

freccia

ENGINE PARTS



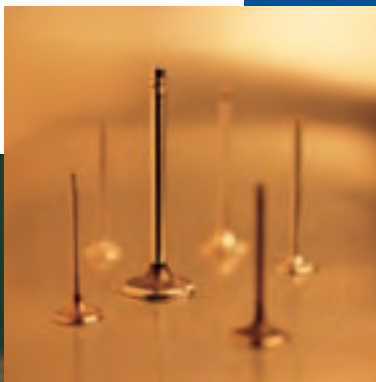
2007

FRECCIA is a very well known brand appreciated all over the world, thanks to our 80-year old experience in the production of engine components, both for the Original Equipment Market and the Aftermarket.

We are pleased to present our Catalogue for 2007. It includes our 4 lines of products, with a range covering the main European, Japanese and American engine brands.

The quality of our products is guaranteed by the Certification of our quality systems according to the Standard ISO 9001:2000 (Vision 2000), obtained with last-generation machinery and a know-how developed thanks to a continual cooperation of our technical staff with the main engine manufacturers.

Our excellent logistic and sales team will quickly meet your requirements worldwide.



FRECCIA è un marchio conosciuto ed apprezzato nel mondo grazie all'esperienza di 80 anni nella produzione di componenti motore destinati al mercato di primo impianto e aftermarket.

In questa occasione abbiamo il piacere di presentare il catalogo 2007 che comprende tutte le quattro linee di prodotto con una gamma che copre le principali motorizzazioni europee, giapponesi e americane.

La qualità dei prodotti è garantita dalla certificazione dei sistemi di qualità secondo la norma ISO 9001:2000 (Vision 2000) perseguita grazie all'impiego di macchinari di ultima generazione e know-how sviluppato tramite una continua collaborazione dello staff tecnico con i maggiori costruttori di motori.

Un eccellente team logistico e commerciale sarà in grado di soddisfare le vostre richieste nel più breve tempo possibile in ogni parte del mondo.



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PARTI MOTORE

ENGINE PARTS

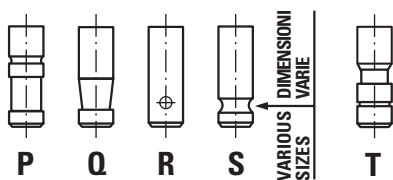
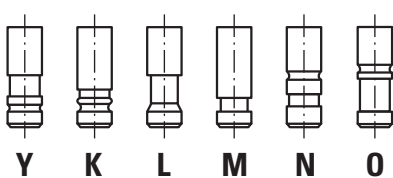
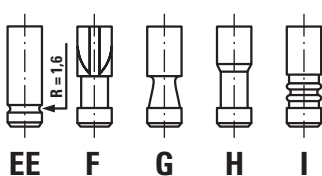
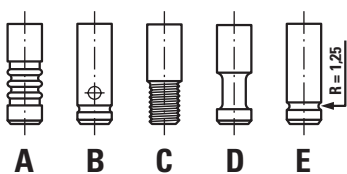
PIECES DE MOTEURS

MOTORENTEILE

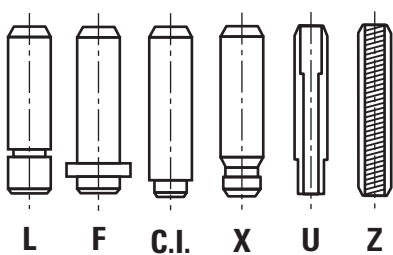
COMPONENTES DEL MOTOR

ЧАСТИ ДВИГАТЕЛЯ

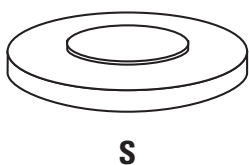
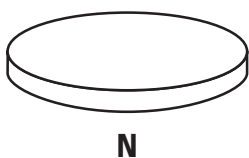
Shapes of valves



Shapes of guides



Shapes of valve shims



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QUALITÀ ACCIAI E SPECIFICHE

MATERIALS SPECIFICATIONS

QUALITE DES ACIERS ET SPECIFIQUES

MATERIAL SPEZIFIKATIONEN

**CALIDAD DE LOS ACEROS
Y ESPECIFICACIONES**

**ЧАСТИ ДВИГАТЕЛЯ СПЕЦИФИКАЦИЯ
МАТЕРИАЛОВ**

**N**

- I Valvole di aspirazione di normale impiego in acciaio al cromo nichel.
- GB Inlet valves for normal use in chrome nickel steel.
- F Soupapes d'admission d'emploi normal en acier au chrome nickel.
- D Einlaßventile für Normaleinsatz aus Chrom-Nickelstahl.
- E Válvulas de admisión de uso normal, de acero al cromoníquel.
- RUS Клапана всасывающие для нормального применения из стали с никелированным хромом.

S

- I Valvole di aspirazione con particolari esigenze e valvole di scarico per motori normali in acciaio martensitico al cromo silicio.
- GB Inlet valves with particular needs and exhaust valves for normal engines in silicon chrome-plated martensitic steel.
- F Soupapes d'admission avec des exigences particulières et soupapes d'échappement pour moteurs normaux en acier martensitique au chrom e silicium.
- D Einlaßventile mit besonderen Anforderungen und Auslaßventile für Normaleinsatz aus martensitischem Chrom-Siliziumstahl.
- E Válvulas de admisión con exigencias especiales y válvulas de escape para motores normales, en acero martensítico revestido de cromosilicio.
- RUS Клапана всасывающие со специальными требованиями и клапана выбрасывания для нормальных двигателей из стали типа мартензий с хромом типа силико.

XB

- I Valvole di scarico in acciaio al 20% di cromo con elevata resistenza alle alte temperature ed alla corrosione.
- GB Exhaust valves manufactured with steel containing 20% of chrome. These valves are particularly resistant to high temperatures and corrosion.
- F Soupapes d'échappement en acier à 20% de chrome avec une résistance élevée aux hautes températures et à la corrosion.
- D Auslaßventile aus Chromstahl 20% mit hoher Temperatur- und Korrosionfestigkeit.
- E Válvulas de escape de elevada resistencia a las altas temperaturas y a la corrosión, fabricadas de acero con 20% de cromo.
- RUS Клапана выбрасывающие из стали с 20% хрома с повышенной устойчивостью к высоким температурам и коррозиям.

R

- I Valvole di scarico in acciaio al cromo-nichel-manganese per motori a scoppio e Diesel in difficili condizioni termiche e meccaniche.
- GB Exhaust valves manufactured with chrome-nickel-manganese steel for petrol and Diesel engines which undergo difficult thermic and mechanical conditions.
- F Soupapes d'échappement en acier au chrome-nichel-manganèse pour moteurs à explosion et Diesel en conditions thermiques et mécaniques difficiles.
- D Auslaßventile aus Chrom-Nickel-Manganstahl für Benzin- und Dieselmotoren unter schwierigen thermischen und mechanischen Bedingungen.
- E Válvulas de escape para motores y Diesel de difíciles condiciones térmicas y mecánicas, fabricadas de acero al cromoníquel-manganeso.
- RUS Клапана выбрасывающие из стали с хромом-никелем-магнезием для двигателей от искры и на дизельном топливе используемых в трудных термических и механических условиях.


I

- I** Valvola in Nimonic. Superlega a base di nickel amagnetica, particolarmente adatta per valvole di aspirazione e scarico operanti ad elevatissime temperature ed in atmosfera altamente corrosiva (es. motori da corsa).
- GB** Valve manufactured with Nimonic. This is a super amagnetic alloy composed essentially by nickel, particularly suitable for inlet and exhaust valves which are subject to high temperatures and to a big corrosive action (i.e. racing engines).
- F** Soupape en Nimonic. Superalliage amagnétique à base de nickel, particulièrement approprié pour des soupapes d'admission et d'échappement travaillantes à des températures très élevées dans une atmosphère corrosive (Ex: moteurs de compétition).
- D** Ventile aus Nimonic. Das ist eme nicht-magnetische Superlegierung aus Nickel, die besonders für Einlaß- und Auslaßventile geeignet ist, die sehr hohen Temperaturen und einer großen Korrosion unterliegen (z.B.: Rennmotoren).
- E** Válvula de Nimonico. Superaleación a base de níquel amagnético, especialmente idónea para válvulas de admisión y escape que funcionan a muy altas temperaturas y en una atmósfera altamente corrosiva (es: motores de competición).
- RUS** Клапан из нимоника. Супер сплав в основе из никеля и амагнетика, особенно подходящий для всасывающих и выбрасывающих клапанов работающих при очень высоких температурах и в условиях повышенной коррозии (пр.двигатели для гоночных авто).

NT

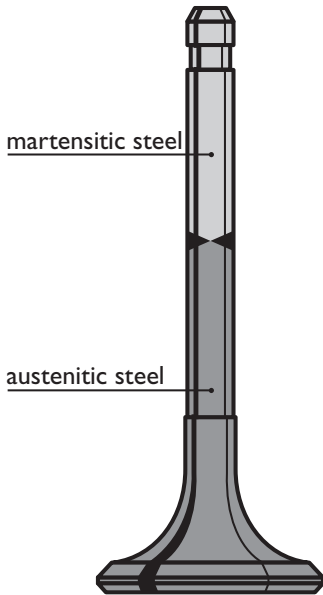
- I** Valvole che hanno subito il processo di nitrurazione morbida. Detto trattamento consente di migliorare la resistenza all'usura dello stelo. Lo strato sottoposto a tale trattamento funge anche da protezione superficiale limitando i pericoli di grippaggio anche in ipotesi di mancanza di lubrificazione.
- GB** Valves which have undergone a liquid nitriding process. This treatment improves the valve stem resistance to corrosion. The layer which undergoes such treatment also acts as a surface protection, limiting the danger of seizure, even in the absence of lubrication.
- F** Soupapes qui ont subi un procédé de nitruration. Ce traitement permet d'améliorer la résistance à l'usure de la tige. La couche soumise à ce traitement fait aussi de protection superficielle en limitant les dangers de grippage même s'il y a l'hypothèse de manque de lubrification.
- D** Ventile, die einem Nitrierungsprozess unterzogen worden sind. Diese thermische Behandlung erhöht die Verschleißfestigkeit des Schaftes. Die so behandelte Schicht funktioniert auch als Oberflächenschutz und verringert die Fressensgefahr auch bei fehlender Schmierung.
- E** Válvulas sometidas a un proceso de nitruración en baño de sales. Este tratamiento mejora la resistencia de las válvulas al desgaste. La capa sometida a dicho tratamiento actúa también como protección de la superficie, limitando el riesgo de agarrotamiento, incluso ausencia de lubricación.
- RUS** Клапаны прошедшие щадящий процесс нитрации. Так называемая обработка позволяет улучшить устойчивость стержней на износ. Слой подверженный такой обработке исполняет так же специфическую защиту, исключая опасность блокировки даже допуская отсутствие смазки.

CR

- I** Valvole con stelo cromato. Questo processo aumenta l'indurimento superficiale dello stelo con conseguenti vantaggi allo scorrimento.
- GB** Valves with chrome plated stem. This process increases the surface hardening of the stem with consequent sliding ease.
- F** Soupapes avec tige chromée. Cette procédé augmente le durcissement superficiel de la tige avec les avantages conséquents de glissement.
- D** Ventile mit verchromtem Schaft. Diese Behandlung verbessert die oberflächliche Verhärtung des Schaftes. Das erleichtert auch die Gleitung der Ventile in der Führung.
- E** Válvulas de acero cromado, proceso que aumenta el endurecimiento de la superficie del vástago, con las consiguientes ventajas de deslizamiento.
- RUS** Клапана с хромированным стержнем. Этот процес повышает поверхностное затверждение стержня с последующими привилегиями при движении.

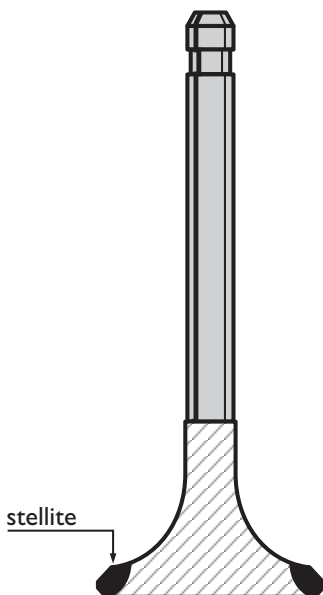


BM



- I** Valvole di scarico bimetalliche per motori a scoppio e Diesel con particolari esigenze. Queste valvole presentano la testa in acciaio R o I, i quali hanno una elevata resistenza al calore, e lo stelo in acciaio S, che ha una notevole resistenza all'usura. L'accoppiamento dei due acciai, austenitici e amagnetici per la testa e martensitico per lo stelo, consente l'indurimento dell'estremità dello stelo.
- GB** Bimetallic valves for Diesel and petrol engines with particular needs; the head of these valves is manufactured in R or I steel and is very resistant to heat, while the stem, made in S steel, is very resistant to wear. The combination of these two steels, austenitic amagnetic for the head and martensitic for the stem, allows the hardening of the stem end.
- F** Soupapes d'échappement bimétalliques pour moteurs à explosion et Diesel avec des exigences particulières; ces soupapes présentent la tête en acier R ou I avec une résistance à la chaleur élevée et la tige en acier S avec une grande résistance à l'usure. L'accouplement des deux aciers, austénitique et amagnétique pour la tête et martensitique pour la tige permet le durcissement du bout tige.
- D** Bimetall-Auslaßventile für Benzin- und Dieselmotoren mit besonderen Anforderungen: diese Ventile haben einen sehr hitzbeständigen Ventilkopf aus R oder I Stahl und einen sehr verschleißfesten Scaft aus S Stahl. Die Verbindung von zweien Stählen, d.h. einem Austenit-Stahl für den Ventilkopf und einem Martensit-Stahl für den Schaft gibt die Verhärtung des Schaftendes zu.
- E** Válvulas de escape bimetalicas para motores de explosión y Diesel de exigencias especiales. Estas válvulas poseen la cabeza en acero R o I, que tienen una alta resistencia al calor, y el vástago en acero S, de alta resistencia al desgaste. La combinacion de los dos aceros, auteníticos y amagnéticos en la cabeza de la valvula y martensítico para el vástago, permiten el endurecimiento del extremo del vástago.
- RUS** Клапана выбрасывающие двухметальные для двигателей от искры и дизельных с особыми требованиями. Эти клапана имеют головную часть из стали R или I, и которые имеют повышенную устойчивость к высоким температурам, и стержень из стали S, которая имеет повышенную устойчивость на износ. Сочетание двух видов стали аустенитичной и обезмагниченной для головной части и типа мартенстико для стержня, позволяет затвердить конечность оси.

AR



- I** Valvola stellite. Al fine di migliorare la resistenza all'usura ed alla corrosione della sede valvola, si ricorre ad un riporto di stellite sulla medesima. Tale riporto è particolarmente consigliato per motori alimentati con benzina senza piombo.
- GB** In order to improve the valve seat resistance to wear and to corrosion, the seat itself undergoes a stellite coating process. This is particularly recommended for engines which function with unleaded fuel.
- F** Pour améliorer la résistance de la siége de la soupape à la chaleur et à la corrosion, la siége est soumise à un traitement de report de stellite, qui est particulièrement conseillé pour moteurs alimentées avec carburants sans plomb.
- D** Um die Verschleiß- und Korrosionfestigkeit des Sitzes zu verbessern, wird der Ventil Sitz einer Bearbeitung mit Stelliteauflage unterbreitet. Diese Bearbeitung ist besonders für bleifrei Benzinmotoren geeignet.
- E** Válvula a base de stellite. A fin de mejorar la resistencia al desgaste y a la corrosión del asiento de la válvula, se recurre a una transferencia de aleación Stellite sobre la válvula. Dicha aplicación es especialmente aconsejable para motores que usan gasolina sin plomo.
- RUS** Клапан стелитированный. Для улучшения выносливости на износ и коррозию седельных клапанов, прибегают к покрытию стелитом этого же клапана. Такое покрытие особенно рекомендованно для моторов на бензине без олова.



G

- I Ghisa grigia a matrice perlitica con % di fosforo; migliora la resistenza all'usura con elevata capacità antifrizione.
- GB Pearlitic grey iron with % of phosphor; it improves the wear resistance with a high antifriction capacity.
- F Fonte grise perlitique à graphite lamellaire avec % de phosphore; elle améliore la résistance à l'usure avec une haute capacité d'antifriction.
- D Grauguss mit perlitischem Gefüge und Phosphoranteil; verringerter Verschleiß und geringer Reibungswiderstand.
- E Fundición gris con matriz perlítica y % de fósforo; mejora la resistencia al desgaste con elevada capacidad de antifricción.
- RUS Серый чугун с матрицей с % фосфора улучшает сопротивление на износ с повышенной способностью к потивосцеплению.

B

- I Bronzo con % di manganese; ottima conduttività termica e molto resistente all'usura. Particolarmente adatto a motori di ultima generazione con testate in alluminio. Lega utilizzata dalle principali case costruttrici europee.
- GB Bronze with % of manganese; excellent thermal conductivity and very wear resistant. Particularly fit for last generation engines with aluminium heads. Alloy used by leading European manufacturers.
- F Bronze avec % de manganese; excellente conductivité thermique et très résistante à l'usure. Particulièrement indiqué pour les moteurs de la dernière génération avec culasses en aluminium. Alliage utilisé par les principaux constructeurs européens.
- D Bronze mit Magnesiumanteil; hervorragende Wärmeleitfähigkeit und hoher Verschleißwiderstand. Diese Metall-Legierung findet Verwendung bei führenden europäischen Herstellern. Insbesondere geeignet für die letzte Zylinderkopfgeneration aus Aluminium.
- E Bronce con % de manganeso; óptima conductividad térmica y muy resistente al desgaste. Particularmente adaptado a los motores de última generación con culatas de aluminio. Material utilizado en las principales marcas constructoras de Europa.
- RUS Вронза с % магния отличный проводник тепла и очень устойчива на износ. Особенно подходит для моторов последнего поколения с головной частью из алюминия. Сплав используемый на ведущих европейских заводах.

SM

- I Lega sinterizzata ad elevata resistenza meccanica.
- GB Sintered alloy with high mechanical resistance.
- F Alliage fritté avec haute résistance mécanique.
- D Sinterlegierung mit hohem mechanischem Widerstand.
- E Aleación sinterizada a una elevada resistencia mecánica.
- RUS Сплав агломерированный с повышенной механической устойчивостью.

**A**

- I** Acciaio cementato e temprato.
- GB** Cemented and hardened steel.
- F** Acier cémenté et trempé.
- D** Zementierter, gehärteter Stahl.
- E** Acero cementado y templado.
- RUS** Таль цементированная и закаленная.

**A**

- I** Acciaio speciale per sedivalvole particolarmente indicato per motori alimentati a benzina verde e diesel. Si distingue per:
 - Buona resistenza all'usura.
 - Buona resistenza ed indeformabilità a caldo
 - Ottima resistenza verso l'ossidazione a caldo fino a temperature superiori a 700° C.
- GB** Special steel for valve seats particularly suitable for Diesel and unleaded petrol engines. Its main features are:
 - Good resistance to wear
 - Good resistance and no deformation in hot condition
 - Very good resistance to heat oxidation at temperatures over 700° C
- F** Acier spécial pour sièges de soupape particulièrement indiqué pour moteurs à essence sans plomb et Diesel. Les caractéristiques principales de cet acier sont:
 - Bonne résistance à l'usure
 - Bonne résistance et indéformabilité à chaud
 - Considérable résistance à l'oxydation à chaud jusqu'aux températures supérieures à 700°C
- D** Spezialstahl für Ventilsitze besonders geeignet für Dieselmotoren und bleifrei Benzinmotoren. Er unterscheidet sich durch:
 - Gute Verschleißfestigkeit.
 - Gute Wärmebeständigkeit und Formfestigkeit bei hohen Temperaturen
 - Sehr gute Wärmeoxydationsbeständigkeit bis zu Temperaturen über 700°C
- E** Acero especial para asientos de válvula particularmente indicado para motores alimentados con gasolina sin plomo y diesel. Se distingue por:
 - Buena resistencia al desgaste
 - Buena resistencia e indeformabilidad al calor
 - Óptima resistencia a la oxidación con el calor hasta temperaturas superiores a 700°C
- RUS** Сталь специальная для седельных клапанов особенно рекомендуется для двигателей на бензине без олова и дизельном топливе. Отличается
 - Хорошей устойчивостью на износ.
 - Хорошей устойчивостью от деформации при воздействии температур.
 - Отличная устойчивость на окисление при высоких температурах превышающих 700 C

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GUIDA ALL'USO DEL CATALOGO

HOW TO USE THE CATALOGUE

EMPLOI DU CATALOGUE

**ANLEITUNG ZUR BENUTZUNG DES
KATALOGES**



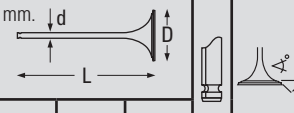

EMPLEO DEL CATALOGO

**РУКОВОДСТВО ПО
ИСПОЛЬЗОВАНИЮ КАТАЛОГА**

GUIDA ALL'USO DEL CATALOGO HOW TO USE THE CATALOGUE

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material			
<p>Anno Year An Jahr Año Год</p>	<p>Cilindri Cylinders Cylindres Zylinder Cilindros Цилиндр</p>	<p>Marca, motore Make, engine Marque, moteur Typ, Motor Marca, motor, características Марка</p>		<p>Numero riferimento originale valvole Original part number for valves Numéro de reference première monte de la soupape Originalnummer der Ventile Número referencia original válvula Номер относящийся к оригинальному клапану</p>	<p>IN valvola aspirazione - EX valvola scarico IN Inlet Valve - EX Exhaust valve IN Soupape admission - EX Soupape échappement IN Einlassventil - EX Auslassventil IN válvula admisión - EX válvula escape IN клапан вытяжной - EX клапан выброса</p>	<p>Riferimento Freccia valvole Freccia reference for valves Référence Freccia soupapes Freccia Ventilnummer Referencia Freccia válvula Указатель Freccia клапана</p>	<p>Acciaio valvole Engine valves materials Matières des soupapes Werkstoff der Ventile Material de la válvula Материалы клапанов</p>	<p>Quote nominali valvole Nominal dimensions of the valves Cotes nominales des soupapes Nennabmessungen der Ventile Dimensión nominal válvula Номинальная отметка клапанов</p>	<p>Tipo fermo valvola Valve stem end type Type de gorge de fixation soupape Ausführung Ventilschaftende Tipo fijación válvula Тип стопора клапана</p>	<p>Angolo sede valvola Valve seat angle Angle du siège de soupape Sitzwinkel am Ventil Ángulo asiento válvula Угол седла клапана</p>

GUIDAVALVOLE VALVE GUIDES							
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		

PUNTERIE LIFTERS			NOTE remarks
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I	

Numero riferimento originale guidavalvole
Original part number for guides
Numéro de référence de première monte
du guide de soupape
Originalnummer der Ventilführungen
Número referencia original guía
Номер отметки оригинальной
направляющей

Riferimento Freccia guidavalvole
Freccia reference for valve guides
Référence Freccia guides de soupape
Freccia Ventilführungsnummer
Referencia Freccia guía
Указатель Freccia направляющих

IN aspirazione - EX scarico
IN Inlet - EX Exhaust
IN admission - EX échappement
IN Einlassventilführung - EX
Auslassventilführung
IN admisión - EX escape
IN вытяжной - EX выброса

Quote nominali guidavalvole
Nominal dimensions of the valve guides
Cotes nominales des guides de soupape
Nennabmessungen der Ventilführungen
Dimensión nominal guía
Номинальная отметка направляющих

Materiali guidavalvole
Valve guides materials
Matières des guides de soupape
Werkstoff der Ventilführungen
Material guía de válvula
Материалы направляющих клапанов

Forma guidavalvola
Valve guides shape
Forme des guides de soupape
Form der Ventilführungen
Forma guía de válvula
Форма направляющих клапанов

Numero originale punterie
Original part number for lifters
Numéro de reference de première monte des
poussoirs
Originalnummer des Stößels
Número original taquet
Оригинальный номер толкателя

Riferimento Freccia punterie
Freccia reference for lifters
Référence Freccia des poussoirs
Freccia Stößelnummer
Referencia Freccia taquet
Указатель Freccia толкателя

I punterie idrauliche - M punterie meccaniche
I Hydraulic lifters - M mechanical lifters
I poussoirs hydrauliques - M poussoirs
mécaniques
I hydraulisch - M mechanisch
I taquet hidráulico - M taquet mecánico
I толкатели гидравлические - M толкатели
механические

CONDIZIONI GENERALI DI VENDITA

Le seguenti condizioni si intendono integralmente accettate dal Cliente all'atto del conferimento dell'ordine

CONVENZIONE APPLICATA

La normativa internazionale che si applica per la vendita internazionale è la CONVENZIONE DELLE NAZIONI UNITE SULLA VENDITA INTERNAZIONALE DELLE MERCI (VIENNA 11 APRILE 1980) - Convenzione di diritto uniforme

CONDIZIONI GENERALI DI GARANZIA

Freccia International srl commercializza valvole per motori prodotte da Scarpa & Colombo, Azienda certificata **ISO 9001:2000 (Vision 2000)**.

Nel caso di riscontro di difetti, il Committente ne deve dare comunicazione per iscritto a Freccia International srl **nel più breve tempo possibile** dettagliando tale reclamo. I particolari difettosi dovranno in ogni caso essere ritornati a spese del Cliente a Freccia International srl.

Nel caso che il componente, fornito difettoso, **non sia stato ancora utilizzato**, Freccia International srl rimpiazzerà lo stesso con uno conforme e senza addebito.

Per componenti **già assemblati difettosi**, Freccia International srl riconoscerà il solo costo dei propri particolari forniti non conformi.

Per ogni altra contestazione la responsabilità di Freccia International srl **resterà esclusa in caso di utilizzo e/o montaggio dei prodotti non conformemente alle specifiche condizioni** previste dal presente contratto (rif. al Par. "Regole per il corretto montaggio").

Quindi:

Freccia International srl non potrà essere ritenuta responsabile per qualsiasi altro esborso o danno conseguente l'utilizzo e/o il montaggio erroneo del prodotto o l'utilizzo e/o il montaggio di un prodotto che si riscontra già difettoso prima del montaggio.

La responsabilità di Freccia International srl resterà esclusa anche per danni derivanti ai prodotti per fatto non imputabile nemmeno indirettamente a Freccia International srl quali imballaggio, trasporto o stoccaggio dei prodotti effettuato a cura del Compratore con mezzi inadeguati.

Inoltre Freccia International srl non potrà essere ritenuta responsabile per perdite o danni subiti dal Compratore conseguentemente (ma non limitatamente a) cancellazioni di ordini da parte dei suoi Clienti, penali per ritardate consegne ai Clienti, nonché per qualsivoglia altro danno o penalità o rimborso inerente i rapporti del Compratore con i propri Clienti.

Per qualsiasi controversia è competente unicamente il Foro di Milano

REGOLE PER IL CORRETTO MONTAGGIO

Freccia International srl **raccomanda il montaggio corretto "a regola d'arte"** di tutti i suoi prodotti secondo quanto prescrivono le Case Costruttrici.

Freccia International srl **prescrive la sostituzione a nuovo di tutti i componenti che interagiscono con la valvola**: guidavalvole, punterie idrauliche (ove presenti), piattelli, semiconi, molle, sedi-testa, paraoli.

La mancata sostituzione di tali componenti (con altri nuovi) può causare una usura precoce della valvola o la rottura immediata della stessa.

Il rimpiazzo del paraolio montato sulla guida-valvola è necessario per evitare trafileggi eccessivi di olio.

Inoltre onde evitare difetti nell'allineamento degli assi dei componenti, è necessario il ripristino delle corrette tolleranze dimensionali, di posizione e di forma prescritte dalle case costruttrici.

Raccomandazioni:

- 1 In fase di montaggio lubrificare il foro della guida e la sede-valvola.
- 2 Evitare di colpire con il martello (anche quello di gomma) la zona terminale dello stelo già in tensione dalle molle nell'errata convinzione di assestare valvole e componenti accoppiati.
- 3 **PER MOTORI DOTATI DI PUNTERIE IDRAULICHE**, a motore completamente montato, è necessario fare compiere al motore stesso (manualmente) alcuni giri e quindi attendere almeno 30 minuti prima di avviare (questo accorgimento è necessario per permettere alle punterie idrauliche di svolgere il loro compito in maniera progressiva e senza "urti").
- 4 Sostituire olio motore vecchio e relativo filtro.
- 5 **PER MOTORI DOTATI DI PUNTERIE MECCANICHE**, dopo il montaggio ripristinare il giuoco punterie/pastiglie- registro valvole al valore prescritto dalle case costruttrici e ripetere l'operazione dopo 1000 km di funzionamento.
- 6 Le valvole operano in condizioni di intenso stress meccanico e sono sottoposte ad alta temperatura e ad attacchi chimici. Pertanto quando sono chiuse devono avere una perfetta tenuta altrimenti si verifica un'immediata caduta di potenza e si innesca una prematura usura della valvola.

GENERAL SALES CONDITIONS

The following terms and conditions are intended as accepted in full by the Customer to the order

AGREEMENT APPLIED

The International convention applied on international sales is the UNITED NATIONS AGREEMENT FOR THE INTERNATIONAL SALES OF GOODS -VIENNA APRIL 11TH. 1980 - that represents a uniform law agreement

GENERAL WARRANTY CONDITIONS

Freccia International srl sells engine valves manufactured by Scarpa & Colombo, a Company Certified **ISO 9001:2000 - Vision 2000**.

In case of any defect, the Purchaser must notify Freccia International srl of it **as soon as possible** in a detailed written claim.

The Purchaser must return the defective items, freight paid, to the Freccia International srl factory address.

In case of defective component we supplied and **which has not been assembled into the engine** yet, Freccia International srl will replace it with a new suitable one, free of charge.

In case of defective components we supplied and which have been assembled into the engine, Freccia International srl will refund only the cost of its own defective components.

As regards any other claim, the liability of Freccia International srl **will be excluded in case of the goods have already been used, and/or assembled without following the instructions** stated in the present agreement. - See paragraph: Instructions for a correct assembly.

Therefore:

Freccia International srl cannot be held liable for any expenditure or any other damage resulting from the wrong usage or assembly of the item or from the usage and/or assembly of an item that results already defective before the assembly.

The liability of Freccia International srl must also be excluded in case of damages to its products, indirectly attributed to Freccia International srl, such as packaging, transport, stocking of the products if caused by the Purchaser with unfit means of transport.

In addition, Freccia International srl will not be held liable for any expenditure or any other damages resulting either from cancellations of orders from its Customers, or from penalties for delayed delivery to its Customers, or from any other damage or penalty or refund concerning the relationship between the Purchaser and his own Customers.

Only the Court of Milan is competent to deal with any controversy.

INSTRUCTIONS FOR A CORRECT ASSEMBLY

Freccia International srl **recommends a correct assembly** of all its components in conformity with the instructions of the manufacturing Companies.

Freccia International srl **prescribes to replace all the components interacting with the valves with newly-made ones**, that is new guides, new hydraulic lifters - when provided -, new shims, new valve cotters, new springs, new valve seats and new valve seals.

If the replacement of the above-mentioned components with new ones is not carried out, an earlier wear-out or a sudden breaking of the valve itself may occur.

The replacement of the oil seal fitted on the valve-guide is required in order to avoid too much flowing of the oil.

In addition, in order to avoid defects in the alignment of the axes of the components, it is necessary to replace the correct size, position and shape tolerances, as suggested by the Original Manufacturing Companies.

Warning:

- 1 While assembling the components, lubricate the guide bore and the valve seat.
- 2 Avoid to striking with a hammer -even a rubber one- the terminal part of the stem, already under tension of the springs, with the wrong idea of putting both valves and the matched components in the right position.
- 3 **WITH REFERENCE TO ENGINES EQUIPPED WITH HYDRAULIC LIFTERS**, once the engine has been completely assembled, it is necessary to make the engine run shortly - even by hand - and then wait at least 30 minutes before starting it again. This caution is necessary in order to let to the hydraulic lifters work properly in a progressive way, and without shocks.
- 4 Replace the previous engine oil and its filter
- 5 **WITH REFERENCE TO ENGINES EQUIPPED WITH MECHANICAL LIFTERS**, after assembling the components, restore the clearance lifters/shims to the value suggested by the Original Manufacturer Companies and repeat this operation after running 1.000 Km.
- 6 The valves work subjected to an intensive mechanical strain, a high temperature and chemical attacks. Therefore, when closed they must completely seal the combustion space, otherwise an immediate loss of power and a possible early valve failure may occur.

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JAGUAR	182	SUZUKI	402
JEEP DIESEL	184	SUZUKI DIESEL	404
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VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
ACME												
		Motore AL 215/290		960/027	IN	5098	S	31	7	94	H	45°
				960/026	EX	5099	XB	27	7	94	H	45°
		Motore AL 480		960/103	IN	5100	S	40	8	114	E	45°
				960/102	EX	5101	R	36	8	114	E	45°
		Motore ADN 37		960/022	IN/D	5106	N/CR	30.5	9	105	E	45°
		Motore ADN45		960/023	EX	5107	R	30.5	9	105	E	45°
		Motore ADN 54 - 60		960/045	IN/D	5124	N/CR	38	9	105	E	45°
		Motore ADN 1100		960/046	EX	5125	R	37	9	105	E	45°
		Motore ADN 1200										
		Motore A180 - A220		960/125	IN	5145	S	29.5	7	82	D	45°
		Motore AT 220		960/126	EX	5146	R	25.5	7	82	D	45°
		Motore AT 330 - ALN		960/027	IN	5147	S	31	7	94	H	45°
				960/127	EX	5148	R	27	7	94	H	45°
		Motore ADX 300		960/118	IN	5149	S	32	7	87.5	E	45°
				960/119	EX	5150	R	27	7	87.5	E	45°
ALFA ROMEO												
1962/83	4	Alfetta 1.6 - Giulia 1.6	78	101100330003	IN	1442	S	41	9	107	EE	30°
		Giulietta 1.6 - GTV 1.6		105000330103	EX	1443	R-XB/AR	37	9	106.5	EE	30°
		1570 cc.										
		Giulietta 1.3	80									
		1351 cc.										
		1750 Berlina										
		1750 cc.										
		1750 GT - 2000 Spider										
		90 1.8 Super										
		Alfetta 1.8 - GTV 1.8										
		Giulietta 1.8										
		1779 cc.										
1971	4	Alfetta 1.6	78	60523243								
		Eng. AR016.00		60521573								
		1570 cc.		117170330000	IN	4180	R	42	9	106.5	EE	30°
1985/89		Alfa 75 1.6 carb - ie		105000330103	EX	1443	R-XB/AR	37	9	106.5	EE	30°
		Eng. AR061.00		60521576								
		Eng. AR611.01										
		1567 cc.										

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1971 AR116.10/42	4	Alfetta 1.8 60521573 1779 cc.	80	60523243 117170330000	IN	4180	R	42	9	106.5	EE	30°
1975		Alfetta 1.8 Eng. AR016.78 1767 cc.		105000330103 60521576	EX	1443	R-XB/AR	37	9	106.5	EE	30°
1984		Alfa 75 1.8 carb - ie Eng. AR061.00 Eng. AR611.01 1779 cc.										
1984/87		Alfa 90 1.8 carb Eng. AR062.02 1779 cc.										
1974/77	4	Alfasud L - N Arna 1.2 1186 cc. Alfa 33 1.3 Alfasud 1350 Alfasud Sprint 1.3 1350 cc. Alfasud 1.5 - Sprint 1.5 1490 cc.	80	102894 102896	IN EX	3361 3362	S/CR R/CR	39 33	8 8	92 93	I I	45° 45°
1983/84	4	Alfa 33 1.3 - 1.3 S Alfasud Sprint 1.3 Eng. AR301.68 1350 cc.	80	129661 125195 125196	IN IN EX	4242 3972 3973	S/CR S/CR R/CR	39 38 33	8 8 8	97 98 97.5	I I I	45° 45° 45°
1988	4	Alfa 33 1.3 Alfasud Sprint 1.3 Eng. AR305.68 1350 cc.	80	134309 60503993	IN EX	4446 4447	S/CR R/CR	38 33	8 8	93 93.5	I I	45° 45°
1988	4	Alfa 33 Nuova 1.2 Eng. AR307.43 1186 cc. Alfa 33 Nuova 1.3 Eng. AR307.32/53/55 1351 cc. Alfa 33 Nuova 1.5 Eng. AR307.34/38 1490 cc. Alfa 33 Nuova 1.7 ie Eng. AR307.36/37/40 1717 cc.	80 84	60540326 60540325	IN EX	4450 4451	S/CR R/CR	39.8 33.1	8 8	92 92.1	I I	45° 45°
1995	4	Alfa 145/146 1.3 ie Eng. AR335.01 1351 cc.	80	60540326 60540325	IN EX	4450 4451	S/CR R/CR	39.8 33.1	8 8	92 92.1	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
60743761	G2014	IN	51	9	14.05	B	C.I.
60709284	G2015 G2018 G2019	EX	54	9	14.05 14.10	B	L
605343650	G3106 G3107	IN/EX	49	9	14.05 14.10	B	C.I.
700001	G2022	IN	40.5	8.02	13.07	G	C.I.
700002	G2023 G2026 G2027	EX	44	8.02	13.12 13.07 13.12	G	L
700001	G2022	IN	40.5	8.02	13.07	G	C.I.
700002	G2023 G2026 G2027	EX	44	8.02	13.12 13.07 13.12	G	L
60750222	G3317 G3318	IN/EX	40.5	8.02	13.07 13.12	G	C.I.
60750222	G3317 G3318	IN/EX	40.5	8.02	13.07 13.12	G	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60513941 60623146	PI 06-0001	I
60513941 60623146 90509386	PI 06-0001	I
60513941 60623146	PI 06-0001	I
60513941 60623146 1669765	PI 06-0001	I


 NOTE
remarks

ALFA ROMEO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1990/97	V6	Alfa 164 2.0 ie V6 Turbo Eng. AR641.01/02	80	60513702									
1998	V6	Alfa 166 2.0 ie V6 Turbo Eng. AR341.02 12V 1997 cc.		60625603 60513703	IN EX	4612 4613	BM BM/AR/CR	36.5 32.6	9 9	107.3 95	I I	45° 45°	
1996	4	Alfa 145 1.4 ie 16V TS Alfa 146 1.4 ie 16V TS Eng. AR335.03 1370 cc.	82	7735898 60812982 60812981 7735899	IN EX	4738 4739	S/CR BM/CR	30 26	7 7	113 108.5	I I	45° 45°	
2001	4	Alfa 1471.6 ie TS Eng. AR372.03 1598 cc.	82										
1996	4	Alfa 145 1.6 ie 16V TS Alfa 146 1.6 ie 16V TS Eng. AR321.01/02 Eng. AR676.01	82	7766564 60811153 60811154 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°	
2001		Alfa 147 1.6 ie 16V TS Eng. AR321.04											
1996		Alfa 155 1.6 ie 16V TS Eng. AR676.01											
1997		Alfa 156 1.6 ie 16V TS Eng. AR321.02 Eng. AR676.01 1598 cc.											
1996	4	Alfa 145 1.8 ie 16V TS Alfa 146 ie 1.8 16V TS Eng. AR322.01 Eng. AR671.06/99	82	7766564 60811153 60811154 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°	
11/96		Alfa 155 1.8 16V TS Eng. AR671.06											
1997		Alfa 156 1.8 16V TS											
1994		GTV 1.8 ie 16V TS											
1998		Spider 1.8 ie 16V TS Eng. AR322.01											
2003		GT 1.8 ie 16V TS Eng. AR322.05 1747 cc.											
2005	4	Alfa 159 1.8 16V Eng. 939A.4000 1796 cc.	82	55557741 71744388	IN EX	6504 6505	S/CR BM/CR	31 27.5	5 5	114 113.2	I I	45° 45°	

GUIDAVALVOLE VALVE GUIDES							
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
60810438	G11009	IN	48.5	9	14.05	B	C.I.
60810435	G11010 G11011 G11012	EX	42	9	14.10 14.06 14.11	G	C.I.
6081186	G3531	IN	42	7.02	13.03	G	C.I.
6081187	G11007				13.08		
6081189	G3532	EX	46	7.02	13.03	G	C.I.
6081190	G11008				13.08		
	GS3531	IN	42	7.02	13.03	SM	C.I.
	GS3532	EX	46	7.02	13.03	SM	C.I.
6081186	G3531	IN	42	7.02	13.03	G	C.I.
6081187	G11007				13.08		
6081189	G3532	EX	46	7.02	13.03	G	C.I.
6081190	G11008				13.08		
	GS3531	IN	42	7.02	13.03	SM	C.I.
	GS3532	EX	46	7.02	13.03	SM	C.I.
6081186	G3531	IN	42	7.02	13.03	G	C.I.
6081187	G11007				13.08		
6081189	G3532	EX	46	7.02	13.03	G	C.I.
6081190	G11008				13.08		
	GS3531	IN	42	7.02	13.03	SM	C.I.
	GS3532	EX	46	7.02	13.03	SM	C.I.
71739771	G13598 G13599	IN/EX	39	5	10.05 10.10	G	C.I.

PUNTERIE LIFTERS		
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60812654 46465330 46413078	PI 06-0004	I
60812654 46465330 46413078	PI 06-0004	I
60812654 46465330 46413078	PI 06-0004	I

NOTE remarks

ALFA ROMEO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1996	4	Alfa 145 2.0 ie 16V TS Alfa 146 2.0 ie 16V TS Eng. 323.01 Eng. AR672.04/.99	83	7766564 60811153 60811154 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°
1995		Alfa 155 2.0 ie 16V TS Eng. AR672.04/.99										
1997		Alfa 155 2.0 ie 16V TS Eng. AR323.01/.03										
1997		GTV 2.0 ie 16V TS Spider 2.0 ie 16V TS Eng. AR323.01 Eng. AR162.01 1969 cc.										
1998		Alfa 166 2.0 ie 16V TS Eng. AR341.03 Eng. AR363.01										
2003	4	GT 2000 JTS 16V Eng. 937A1.000 Eng. AR322.05 1970 cc										
1994	4	Alfa 155 1.8 ie TS Eng. AR671.05 1749 cc.	83.4	60564098 195360330000 60512751	IN EX	4308 4309	R/CR R/AR/CR	44 38	8 8	116 119.5	I I	45° 45°
1992	4	Alfa 155 1.8 ie TS Eng. AR671.02 1773 cc.	84	195100330105								
1987		Alfa 75 2.0 TS 8V Eng. AR061.66 Eng. AR062.24 1962 cc.										
1987/92	4	Alfa 164 2.0 TS 8V Eng. AR064.20 1962 cc.										
1993	4	Alfa 164 2.0 ie TS 8V Eng. AR641.03 1995 cc.										
1992	4	Alfa 155 2.0 ie TS Eng. AR672.02 1995 cc.										
1971/85	4	2000 GT - 2000 Spider Alfetta 2.0 GTV Giulietta 2.0 Spider 2.0 Eng. AR005.12 1962 cc.	84	60516251 105120330001 105120330102 60516253	IN EX EX	3325 3326 3958	S R R	44 40 40	9 9 9	105 105 104.8	EE EE EE	30° 30° 30°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6081186	G3531	IN	42	7.02	13.03	G	C.I.
6081187	G11007				13.08		
6081189	G3532	EX	46	7.02	13.03	G	C.I.
6081190	G11008				13.08		
	GS3531	IN	42	7.02	13.03	SM	C.I.
	GS3532	EX	46	7.02	13.03	SM	C.I.
60579202	G3110	IN	48	8	15.07	B	C.I.
	G3111				15.12		
60579200	G3114	EX	45	8	15.07	G	C.I.
	G3115				15.12		
60743761	G2014	IN	51	9	14.05	B	C.I.
	G2015				14.10		
60709284	G2018	EX	54	9	14.05	B	L
	G2019				14.10		

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60812654	PI 06-0004	I
46465330		
46413078		
46787055		
60812654	PI 06-0004	I
46465330		
46413078		

NOTE remarks

ALFA ROMEO





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1980	4	GTV 2.0 Eng. AR105.12 1962 cc.	84	60516251 105120330001 105120330102 60516253	IN EX	3325 3326	S R	44 40	9 9	105 105	EE EE	30° 30°
1988/90	4	Alfa 33 1.5 Eng. AR305.08 Sprint 1.5 QV Eng. AR301.46 1490 cc.	84	60524033 127601 125196 60504784	IN EX	3974 3973	S/CR R/CR	40 33	8 8	98 97.5	I I	45° 45°
1982/89	4	Alfetta 2.0 ie Alfa 75 2.0 ie Eng. AR062.12 Alfa 90 2.0 ie Eng. AR017.13 1962 cc.	84	6054886 116550330007 105120330102 60516254	IN EX	3957 3326	R R	44 40	9 9	104.5 105	EE EE	30° 30°
1988	4	Alfa 33 1.5 - 1.5 ti Alfa 33 1.5 4x4 1490 cc.	84	133471 60503993	IN EX	4448 4447	S/CR R/CR	40 33	8 8	94 93.5	I I	45° 45°
1988	4	Alfa 164 2.0 ie Turbo Eng. M619DT.200 1995 cc.	84	7031135 5953041	IN EX	4174 4175	R/CR R/CR	43.5 36	8 8	105.5 106	EE EE	45° 45°
1992/93	4	Alfa 155 2.0 i Turbo Eng. AR672.03 1995 cc.	84	7722907 7650916 60805836	IN EX	4730 4731	R/CR R/AR/CR	34.4 28.3	7 7	128 125	EE EE	45° 45°
1994	4	Alfa 145 1.6 ie 8V Alfa 146 1.6 ie 8V Eng. AR332.01 1596 cc	84	60540326 60540325	IN EX	4450 4451	S/CR R/CR	39.8 33.1	8 8	92 92.1	I I	45° 45°
1988/90	4	Alfa 33 1.7 Eng. AR305.50	87	60515042 131929000000	IN	4334	S/CR	39.8	8	92.9	I	45°
	4	Alfa 33 1.7 ie Eng. AR305.58 1717 cc.		131930000000 60515041	EX	4335	R/CR	33.1	8	93	I	45°
1988/93	4	Alfa 33 1.7 ie Eng. AR307.36/.37/.40 1717 cc.	84	60540326 60540325	IN EX	4450 4451	S/CR R/CR	39.8 33.1	8 8	92 92.1	I I	45° 45°
2005	V6	159 3.2 JTS V6 24V	85.6	71741112	IN	6383	S/CR	35	6	101.4	S	45°
2006	V6	Brera 3.2 JTS V6 24V		71741113	EX	6384	R/CR	30.6	6	97.2	S	45°
2006	V6	Spider 3.2 JTS V6 24V Eng. 939A000 3195 cc.										
2005	4	159 1.9 JTS 16V Eng. 939A6000 1858 cc.	86	55192156 71739686	IN EX	6385 6386	S/CR BM/CR	35 30	6 6	102.2 100.1	I I	45° 45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2005 2006 2006	4	159 2.2 JTS 16V Brera 2.2 JTS 16V Spider 2.2 JTS 16V Eng. 939A5000 2198 cc.	86	55192156 71739686	IN EX	6385 6386	S/CR BM/CR	35 30	6 6	102.2 100.1	I I	45° 45°
1989 1995 1995	4	Alfa 33 1.7 ie 16V Eng. AR307.46/.47 1712 cc. Alfa 145 1.7 ie 16V Alfa 146 1.7 ie 16V Eng. AR334.01 1712 cc.	87	60525336 60525337	IN EX	4452 4453	BM BM/AR/CR	32 26	7 7	99.1 101.2	I I	45° 45°
1984 1984	V6 V6 V6	Alfa 75 2.5 ie V6 Alfa 90 2.5 ie V6 Eng. AR019.11 Eng. AR016.46 GTV 2.5 V6 Eng. AR019.28 2492 cc.	88	119280330001 60523548 119280330101 60523550	IN EX	3961 3962	R/CR R/CR	41 36.5	9 9	107.5 94.5	EE EE	45° 45°
1984 1992	V6 V6	Alfa 6 2.5 ie V6 Eng. AR019.28 Alfa 155 ie 2.5 V6 Eng. 673.01/02 2492 cc.	88 88	119280330001 60523548 119280330101 60523550	IN EX	3961 3962	R/CR R/CR	41 36.5	9 9	107.5 94.5	EE EE	45° 45°
1997	V6	Alfa 156 2.5i V6 24V Alfa 166 2.5i V6 24V Eng. AR32401-AR34201 2492 cc.	88	60582738 60582739	IN EX	6081 6082	R/CR R/AR/CR	33.5 29	7 7	102 102.2	I I	45° 45°
1987	6	Alfa 164 3.0 12V QV Alfa 164 3.0 ie V6 12V Eng. M624AA30.A Alfa 75 3.0 V6 Eng. M624AB30.A 2959 cc.	93	605129820 605129840	IN EX	4385 4386	R/AR R/AR/CR	44 38.5	9 9	104.5 92.2	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1993	V6	Alfa 164 3.0 ie V6 24V Eng. AR643.07	93	60560643	IN	4610	BM	35.7	7	102.1	I	45°
1998	V6	Alfa 166 3.0 ie V6 24V Eng. AR343.01 Eng. AR361.01		55186770 60560644								
1993	V6	Spider 3.0 ie V6 24V Eng. AR161.05										
1984	V6	GTV 3.0 ie V6 24V Eng. AR161.02/05 2959 cc.										
2002	V6	Alfa 147 3.2 ie V6 24V										
2002	V6	Alfa 156 3.2 ie V6 24V Eng. 932A.000										
2003	V6	Alfa 166 3.2 ie V6 24V										
2003	V6	GT 3.2 ie V6 24V Eng. 936A.000										
2003	V6	GTV 3.2 ie V6 24V										
2003	V6	Spider 3.2 ie V6 24V Eng. 936A.000 Eng. 936A6.000 3179 cc.										

ALFA ROMEO DIESEL

1997	4	Alfa 156 1.9 JTD 8V Eng. AR323.02 Eng. AR371.09 Eng. 937A2000	82	46750859	IN	4941	BM/CR	35.5	8	115.2	I	45°
				55193126 46478834 46416321								
1998		Alfa 145 - 146 1.9 JTD Eng. AR323.02		46783962								
1999		Alfa 147 1.9 JTD Eng. 937A2000 Eng. 182B9000										
2005		Alfa 147 1.9 JTD Eng. 937A3000										
2005		159 1.9 JTD Eng. 939A1000 1910 cc.										
1997	5	Alfa 156 2.4 JTD 10V Eng. AR325.01 Eng. 839A6000	82	46750859	IN	4941	BM/CR	35.5	8	115.2	I	45°
1997		Alfa 166 2.4 JTD 10V Eng. AR342.02 Eng. 839A6000		55193126 46478834 46416321								
2002		Alfa 1562.4 JTD 10V Eng. 841C000 2387 cc.		46783962								

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
60612839	G11003	IN	38	7.01	12.06	B	C.I.
	G11004				12.11		
60612835	G11005	EX	43	7.01	12.07	G	C.I.
	G11006				12.12		
60813598	G11000	IN/EX	43	8.02	14.03	G	C.I.
60813599	G11018				14.06		
	G11019				14.11		
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
60813598	G11000	IN/EX	43	8.02	14.03	G	C.I.
60813599	G11018				14.06		
	G11019				14.11		
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60507563	PI 06-0014	I
60810675		
60664980		
4152447	PI 03-102	M
4152447	PI 03-102	M






 NOTE
remarks

ALFA ROMEO

ALFA ROMEO DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2002 2003	4	Alfa147 1.9 JTDM 16V Alfa 155 1.9 JTDM 16V Eng. 192A5000 Eng. 937A4000	82	55195535 46802049 46787902	IN EX	6203 6204	S/CR BM/CR	28 26	6 6	114.40 114.40	I I	45° 45°
2004 2005	4	GT 1.9 JTDM 16V Alfa 147 1.9 JTDM 16V Eng. 937A5000 159 1.9 JTDM 16V Eng. 939A2000 1910 cc.	82	55206431 55205183	IN EX	6387 6388	S/CR BM/CR	28 24.5	5 5	114.4 114.4	I I	45° 45°
2003 2006	5	Alfa 159 2.4 JTDM 20V Eng. 939A3000 Alfa 166 2.4 JTM 20V Eng. 936B000 Brera 2.4 JTDM 20V Eng. 939A3000 2387 cc.	82	55195535 55190248 46802049 46787902 55190249	IN EX	6203 6204	S/CR BM/CR	28 26	6 6	114.40 114.40	I I	45° 45°
07/2006	5	Alfa 159 2.4 JTDM Alfa 166 2.4 JTDM Brera 2.4 JTDM 2387 cc.	82	55206431 55205183	IN EX	6387 6388	S/CR BM/CR	28 24.5	5 5	114.4 114.4	I I	45° 45°
1996 1992/97	4	Alfa 145 - 146 1.9 TD Eng. AR336.01 Alfa 155 1.9 TD Eng. AR336.01 Eng. AR675.01 1929 cc.	82.6	60808694 7547158 60808695 7588577	IN EX	4627 4626	R/CR R/CR	37.5 33.5	8 8	116.5 116.5	EE EE	45° 45°
1983/93	4 5	Alfetta - Giulietta 2.0 TD Eng. VM HR488HT/2 Alfa 75 2.0 TD Eng. VM 80A 1995 cc. Alfa 6 2.5 TD Eng. VMHR588HT/2 2482 cc.	88	116760330001 20360026 60507189 116760330101 20370025 195590330100	IN EX	3598 3599	R/CR R/CR	40 34	8 8	121 121	E E	35° 45°

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
	3	Alfa 33 TD Eng. VMRT392 TURBO 1779 cc.	92	116760330001 20360026 60507189	IN	3598	R/CR	40	8	121	E	35°
	4	Alfa 75 - 90 2.4 TD Eng. VM492HT 2392 cc. Alfa 164 TD Eng. VMHR494.4 T Alfa 155 - 164 2.5 TD Eng. VM07B - 08B 2500 cc.		116760330101 20370025 195590330100	EX	3599	R/CR	34	8	121	E	45°

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1974/77	4	50 LS - GLS - GL 1093 cc.	69.5	052 109 601 052 109 611	IN EX	3477 3478	S R	31.5 28	8 8	104 104	EE EE	45° 45°
1978/81	4	50 LS - GLS 80 L - GL - C 1296 cc.	75	036 109 601 052 109 611	IN EX	3654 3478	S R	34 28	8 8	104 104	EE EE	45° 45°
1972/81	4	80 L 1296 cc. 80 GL 1470 cc. 80 GT - 100 GL - L 1588 CC. 80 LS - S 1470 cc. 80 LS - GLS - S 100 GL - L 1588 cc.	75 76.5 79.5	056 109 601C 056 109 601A 056 109 611A 049 109 611G	IN EX	3536 3537	S R	34 31	8 8	98.5 98.5	EE EE	45° 45°
1981/84	4	80 C - CL - GL - CC 1296 cc. 80 CL Formel E 100 C - CL - GL Formel E 1588 cc.	75 79.5	049 109 601F 049 109 611F	IN EX	3728 3729	S R	34 31	8 8	98.5 98.5	I I	45° 45°
2000	4	A2 1.4 i 16V Eng. AUA-BBY 1390 cc.	76.5	036 109 601S 036 109 611K	IN EX	6013 6014	S BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
2002	4	A2 1.6 FSI 16V Eng. BAD 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	6205 6014	S BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
2002	4	A3 1.6 FSI 16V Eng. BAG-BLF-BLP 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	6205 6014	S BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
1975/79	4	80 GTE - GLE 1588 cc.	79.5	049 109 601A 049 109 611A	IN EX	3611 3612	XB R/AR	38 31	8 8	105.5 105.5	EE EE	45° 45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1981/82	5	80 Coupè GT5S - CD5E 100 C5 - CL5 - GL5 100 Avant 1921 cc. 100 GL5S - CD5E 100 Avant - 200 5e 2144 cc.	79.5	035 109 601C 035 109 611F	IN EX	4111 4202	S R/CR - BM/AR/CR	38	8	98.5	I	45°
								33	8	98.5	I	45°
1983	5	100 2144 cc.	79.5	035 109 601G 026 109 611A	IN EX	4115 4116	S R	38 33.1	8 8	91 91	I I	45° 45°
	4	80 CLE 1781 cc.	81									
1990	4	80 Eng. ABB 1595 cc.	81	048 109 601A 053 109 611	IN EX	4643 4642	S/CR BM/AR/CR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1981/86	4	80 Coupè GL 1781 cc.	81	035 109 601C 049 109 611F	IN EX	4111 3729	S R	38 31	8 8	98.5 98.5	I I	45° 45°
1982/83	4	80 CL - GL - Formel E 80 CC - CD Coupè Eng. DR 1781 cc.	81	035 109 601C 035 109 611F	IN EX	4111 4202	S R/CR-BM/AR/CR	38 33	8 8	98.5 98.5	I I	45° 45°
1983/84	4	80 GTE - GTE Quattro 1781 cc.	81	026 109 601 035 109 611F	IN EX	4201 4202	XB/CR R/CR-BM/AR/CR	40 33	8 8	98.5 98.5	I I	45° 45°
1985/86	4	80 GTE Quattro 100 AVANT - Quattro Eng. DX 1781 cc.	81	026 109 601C 026 109 611A	IN EX	4521 4116	R R	40 33.1	8 8	91 91	I I	45° 45°
1986/87	4	80 - 90 80 - 90 Quattro 1781 cc.	81	026 109 601C 053 109 611	IN EX	4521 4642	R BM/AR/CR	40 33.2	8 8	91 91.2	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1983/91	4	80 CC - CD Quattro Eng. DTA 1595 cc. 80 CC - CD - Quattro 100 CC - CD Avant 100 Quattro Avant Eng. DZ 1781 cc.	81	035 109 601G 048 109 611A 026 109 611A	IN EX EX	4115 4642 4116	S BM/AR/CR R	38	8	91	I	45°
								33.2	8	91.2	I	45°
								33.1	8	91	I	45°
1987/88	5	80 - 90 - 100 90 Quattro - 100 Avant 1994 cc.	81	026 109 601C 053 109 611	IN EX	4521 4642	R BM/AR/CR	40	8	91	I	45°
								33.2	8	91.2	I	45°
1988/91 1991/94 1994/97	5	80 - 90 Quattro 20V Eng. NM 1994 cc. S4 2.0 Turbo 20V S6 2.2 i Turbo 20V Eng. AAN 20V 2226 cc.	81	027 109 601C 027 109 611B	IN EX	4294 4295	R BM/AR/CR	32	7	95.5	EE	45°
								28	7	98.2	EE	45°
1983/86	5	90 E - Coupè GT 100 Avant Eng. KP 1994 cc. 200 Eng. WC 2144 cc.	81	035 109 601C 035 109 611F	IN EX	4111 4202	S R/CR-BM/AR/CR	38	8	98.5	I	45°
								33	8	98.5	I	45°
1986/88 1987/88	4 5	80 S 1595 cc. 80 - 90 - 100 Avant 80 - 90 - 100 Quattro 1781 cc. 80 - 90 - 100 Avant 80 - 90 - 100 Quattro 2226 cc.	81	035 109 601J 035 109 601K 053 109 611	IN EX	4641 4642	S/CR BM/AR/CR	38	8	91.9	I	45°
								33.2	8	91.2	I	45°
1994	4	A3 1.6 i Eng. AEK-AKL-APF 1595 cc.	81	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5	7	91.9	I	45°
								32.9	7	91.2	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		
049103419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
056103419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049103419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
027103419	G3504	IN/EX	38	7	12.07	B	C.I.-F
	G3505				12.12		
056103419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049103419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
056103419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049103419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
037103419B	G3593	IN/EX	36.5	7	12.07	B	C.I.-F
	G3595				12.12		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I


 NOTE
remarks

AUDI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
9/2000	4	A3 1.6 i Eng. AVU-BGU 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	6155 6156	S BM	39.4 33	6 6	94 94	I I	45° 45°
1994	4	A4 1.6 i Eng. ADP - AHL - ARM 1595 cc.	81	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
2000	4	A4 1.6 i Eng. ALZ 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	6155 6156	S BM	39.4 33	6 6	94 94	I I	45° 45°
1996	4	A3 1.8 i 20V Eng. AGN-AGP 1780 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
1996	4	A3 1.8 i Turbo 20V Eng. AGU-AQA 1780 cc.	81	058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
1998	4	A3 1.8 i Turbo 20V Eng. AJQ-APP-ARY-AUQ 1780 cc.	81	058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
1999	4	A3 1.8 Turbo 20V Eng. ARX-AUM 1781 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
1994	4	A3 1.8 i 20V Eng. AFY-ADR-APT 1780 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
1994	4	A4 1.8 i Turbo 20V Eng. AEB-AJL-AWT Eng. AVJ-AMB-BFB-BEX 1780 cc.	81	058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
1998	4	S3 1.8 i Turbo 20V Eng. AMK-APX-APY-BAM 1780 cc.	81	058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
1998	4	TT 1.8 i Turbo 20V Eng. BAM-AJQ-APP-APX Eng. ARY-AUQ 1780 cc.	81	058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
2002	4	TT 1.8 i Turbo 20V Eng. AUM 1781 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
1997	V6	A4 2.4 i V6 30V Eng. AGA-AJG-ALF Eng. APS-APZ 2393 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
1997	V6	S4 2.7 i V6 Turbo 30V Eng. AGB 2671 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.1 103.9	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1988/94	V8	V8 3.6 i 32V Eng. PT 3562 cc.	81	027 109 601C	IN	4294	R	32	7	95.5	EE	45°
1991/94	V8	V8 4.2 i 32V		027 109 611B	EX	4295	BM/AR/CR	28	7	98.2	EE	45°
1992/94	V8	S4 4.2 i V8 32V Eng. ABH 4172 cc.										
1986/88	4	80 1.8 80 Quattro 1.8 Eng. SD	82.5	026 109 601C	IN	4521	R	40	8	91	I	45°
		80 1.9E - 1.9E Quattro 1847 cc.		053 109 611	EX	4642	BM/AR/CR	33.2	8	91.2	I	45°
	5	90 2.3E - 2.3E Quattro 100 - 100 Avant Quattro 2309 cc.		026 109 611A	EX	4116	R	33.1	8	91	I	45°
1988/91	4	80 Quattro Eng. 6A 16V 1984 cc.	82.5	027 109 601C	IN	4294	R	32	7	95.5	EE	45°
	5	90 2.3 20V 90 2.3 Quattro 20V Eng. 7A 2308 cc.		027 109 611B	EX	4295	BM/AR/CR	28	7	98.2	EE	45°
1990/94	4	80 2.0E - Quattro Eng. ABK - ABT 100 2.0E - Avant Eng. AAE	82.5	048 109 601A	IN	4643	S/CR	39.5	8	91.9	I	45°
		100 2.3E - Avant Eng. AAD		053 109 611	EX	4642	BM/AR/CR	33.2	8	91.2	I	45°
1994	4	A6 2.0 i Eng. ABK 1984 cc.										
	V6	100 2.8E-Avant Quattro Eng. AAH 2771 cc.										
1990	5	100 2.3E Avant	82.5	069 109 601F	IN	4483	S/CR	36	8	95	I	45°
1994/96	5	A6 2.3 i Eng. AAR 2308 cc.		053 109 611	EX	4642	BM/AR/CR	33.2	8	91.2	I	45°
1993/94	4	80 - 100 Avant	82.5	051 109 601B	IN	4808	S	32	7	95.8	I	45°
1994/97		A6 2.0 i 16V Eng. ACE 16V 1998 cc.		051 109 611B	EX	4809	R	27	7	98	I	45°
1994/97	4	A6 2.0 i Eng. AAE 1984 cc.	82.5	048 109 601A	IN	4643	S/CR	39.5	8	91.9	I	45°
				053 109 611	EX	4642	BM/AR/CR	33.2	8	91.2	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
027103419	G3504 G3505	IN/EX	38	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665	IN	36.5	8	12.06 12.11	B	C.I.-F
049103419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
027103419	G3504 G3505	IN/EX	38	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
051103419	G3561 G3592 G11253* G11254*	IN/EX IN/EX	35 35	7 7	12.07 12.12 12.07 12.12	B B	C.I.-F C.I.
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I






NOTE
remarks

AUDI

* VERSIONE
LISCIA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1994	V6	A4 2.6E-A6 Avant 2.6E Eng. ABC 2598 cc. A4 2.8E -A6 Avant 2.8E Eng. AAH 2770 cc.	82.5	048 109 601A	IN	4643	S/CR	39.5	8	91.9	I	45°
				053 109 611	EX	4642	BM/AR/CR	33.2	8	91.2	I	45°
1994	V6	A6 2.6E - Avant A6 2.6E - Quattro Eng. ABC 2598 cc. A6 2.8 i E A6 2.8 i E - Quattro A8 2.8 Eng. AAH 2771 cc.	82.5	078 109 601B	IN	4806	S	39.5	7	91.9	I	45°
				078 109 611C	EX	4807	R	32.9	7	91.2	I	45°
1996	V6	A4 2.8 i V6 30V Eng. ACK-ALG-AHA Eng. APR-AQD 2771 cc.	82,5	058 109 601C	IN	4852	S/AR/CR	26.9	6	105.1	I	45°
				058 109 611E	EX	6189*	BM/AR/CR	29.8	6	103.9	I	45°
2002	4	A4 2.0 FSI 16V Eng. AWA	82,5	06D 109 601K	IN	6206	S	34	6	104	I	45°
2003		A3 2.0 FSI 16V Eng. AXW-BMB-BLX Eng. BLY-BLR 1984 cc.		06D 109 611L	EX	6207	BM/CR	28	6	102	I	45°
1994	V8	A8 4.2 Eng. ABZ 32V 4112 cc.	84.5	051 109 601B	IN	4808	S	32	7	95.8	I	45°
				051 109 611B	EX	4809	R	27	7	98	I	45°
1976/78	4	100 S/LS/GLS 1984 cc.	86.5	046 109 601B	IN	4495	S	40	9	137.2	EE	45°
				046 109 611A	EX	4496	R	33	9	139.9	EE	45°
1981	4	Eng. 1471 cc- 1588 cc.		049 109 603	IN	4113	S	34	8	98.2	I	45°
				049 109 613	EX	4114	R/CR	31.1	8	98	I	45°

AUDI DIESEL

1980/81	4	80 D - LD - GLD 80 C - CL - GL 1588 cc.	76.5	068 109 601C	IN	3646	S	34	8	104.8	I	45°
				068 109 611C	EX	3647	R	31	8	104.5	I	45°
1987	4	80 CC - CD 1588 cc.	76.5	068 109 601N	IN	4296	BM/AR	34	8	95	I	45°
				068 109 611L	EX	4484	BM/AR/CR	31.2	8	95.5	I	45°
1982	4	80 CL - CD Turbo 1588 cc.	76.5	068 109 601D	IN	4199	BM/CR	34	8	104.8	I	45°
				068 109 611D	EX	4200	BM/CR	31	8	104.7	I	45°
1985/88	4	80 CC - CD Turbo 80 Quattro Turbo 90 Turbo	76.5	068 109 601M	IN	4296	BM/AR	34	8	95	I	45°
				068 109 611M	EX	4297	BM/AR	31.2	8	95.5	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1978/81	5	100 L5D - GL5D - CD5D 100 Avant 1986 cc.	76.5	069 109 601	IN	3641	S	36	8	105	EE	45°
				068 109 611	EX	3565	R	31	8	104.5	EE	45°
1981	5	100 C - CL - GL - CD 100 Avant 1986 cc.	76.5	069 109 601C	IN	3662	S	36	8	105	I	45°
				068 109 611C	EX	3647	R	31	8	104.5	I	45°
1982/85	5	100 Avant CC - CD - CS 100 Avant TD 1986 cc.	76.5	069 109 601C	IN	3662	S	36	8	105	I	45°
				068 109 611D	EX	4200	BM/CR	31	8	104.7	I	45°
1985/88	5	100 CC 100 CC - CD Turbo 100 Avant Turbo	76.5	069 109 601F	IN	4483	S/CR	36	8	95.5	I	45°
				069 109 601G	IN	4899	BM/AR/CR	36	8	95.5	I	45°
				068 109 611L	EX	4484	BM/AR/CR	31.2	8	95.5	I	45°
2001	3	A2 1.2 TDI Eng. ANY 1191 cc.	76.5	045 109 601	IN	6389	S	36	7	89.6	I	45°
				045 109 611	EX	6390	R	31.5	7	89.6	I	45°
1997	V6 V6	A4 2.5 V6 TDI 24V A6 2.5 V6 TDI 24V Eng. AFB-AKN-AKE 2496 cc.	78.3	059 109 601B	IN	6085*	S/CR	27	6	100.5	I	45°
				059 109 601C	EX	6086*	BM/AR/CR	24	6	100.5	I	45°
				059 109 611B	EX	6086*	BM/AR/CR	24	6	100.5	I	45°
1997/02	V6	A8 2.5 V6 TDI 24V Eng. AFB-AKN-AKE 2496 cc.	78.3	059 109 601B	IN	6085*	S/CR	27	6	100.5	I	45°
				059 109 601C	EX	6086*	BM/AR/CR	24	6	100.5	I	45°
				059 109 611B	EX	6086*	BM/AR/CR	24	6	100.5	I	45°
2000	V6	Allroad 2.5 V6 TDI 24V Eng. AKE 2496 cc.	78.3	059 109 601B	IN	6085	S/CR	27	6	100.5	I	45°
				059 109 601C	EX	6086	BM/AR/CR	24	6	100.5	I	45°
				059 109 611B	EX	6086	BM/AR/CR	24	6	100.5	I	45°
2003	V6	A4 2.5 TDI V6 24V A6 2.5 TDI V6 24V Eng. BFC-BCZ-BAU 2496 cc.	78.3	059 109 601F	IN	6453*	S/CR	27.2	6	100.6	I	45°
				059 109 611G	EX	6454*	BM/AR/CR	24.1	6	100.7	I	45°
1999	4	A2 1.4 TDI Eng. AMF 1422 cc.	79.5	038 109 601B	IN	6128	S	35.9	7	89.9	I	45°
				038 109 611B	EX	6129	BM	31.5	7	90	I	45°
1989/91	4	80 Eng. 1Y 80 TD Eng. AAZ 1896 cc.	79.5	069 109 601F	IN	4483	S/CR	36	8	95.5	I	45°
				069 109 601H	IN	4899	BM/AR/CR	36	8	95.5	I	45°
				074 109 611	EX	4640	BM/AR/CR	31.2	8	95	I	45°
1989/91	5	100 Eng. 3D 1896 cc.	79.5	069 109 601F	IN	4483	S/CR	36	8	95.5	I	45°
				069 109 601H	IN	4899	BM/AR/CR	36	8	95.5	I	45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049103419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I-F
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11445 G11446	IN/EX	36	5.98	10.06 10.11	B	C.I.
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
038 109 309A	PI 06-0032	I
059109521C	PI 06-0008	I
059109521C	PI 06-0008	I
038 109 309A	PI 06-0032	I
034109309N	PI 06-0001	I




NOTE

NOTE remarks
6085 - 6086 ONLY ENG. AFB-AKN Retainer stem end 2.5 mm
6085 - 6086 ONLY ENG. AFB-AKN Retainer stem end 2.5 mm
6085 - 6086 Retainer stem end 2.5 mm
6453 -6454 Retainer stem end 8.3 mm

AUDI DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1991	4	80 TD Eng. 1Z 1896 cc.	79.5	028 109 601A	IN	4615	BM/AR/CR	36	8	96.9		45°
				046 109 611C/E	EX	4616	BM/AR/CR	31.5	8	96.9		45°
1994/97	4	A3 - A4 - A6 1.9 TDI A4 1.9 TDI Avant Eng. 1Z 90 CV 1896 cc.	79.5	028 109 601H	IN	4776	BM/CR	36	8	96.9		45°
				046 109 611F	EX	4777	BM/CR	31.4	8	96.9		45°
1993	5	100 Avant Eng. AAS 2370 cc.	79.5	069 109 601F	IN	4483	S/CR	36	8	95		45°
				074 109 611	EX	4640	BM/AR/CR	31.2	8	95		45°
1996/97	4	A3 - A4 - A6 1.9 TDI A4 1.9 TDI Avant Eng. AFN - AHU - AHH Eng. AGR - ALH - AHF 1896 cc. 90 - 110 CV	79.5	028 109 601D	IN	6087	S	35.9	7	96.8		45°
				028 109 601K	IN	4888	BM	35.9	7	96.8		45°
				028 1096 11G	EX	4889	BM	31.5	7	96.85		45°
2000/01	4	A3 1.9 TDI Eng. ASV 1896 cc.	79.5	028 109 601D	IN	6087	S	35.9	7	96.8		45°
				028 1096 11G	EX	4889	BM	31.5	7	96.85		45°
2000	4	A3 1.9 TDI Eng. ATD-AVB 1896 cc.	79.5	038 109 601B	IN	6128	S	35.9	7	89.9		45°
				038 109 611B	EX	6129	BM	31.5	7	90		45°
2003	4	A3 1.9 TDI Eng. BKC 1896 cc.	79.5	038 109 601E	IN	6208	S	35.9	7	89.4		45°
				038 109 611E	EX	6209	BM	31.5	7	89		45°
2000 2001	4	A4 1.9 TDI Eng. ATJ-AJM-AVF-AWZ A6 1.9 TDI Eng. AVF-AWX 1896 cc.	79.5	038 109 601B	IN	6128	S	35.9	7	89.9		45°
				038 109 611B	EX	6129	BM	31.5	7	90		45°
2003/04	4	A3 2.0 TDI 16V Eng. AZV-BKD Until chassis n. 8P-4140-000 1968 cc.	81	03G 109 601A	IN	6353	S	29.2	6	88.45		45°
				03G 109 611B	EX	6354	BM	25.5	6	88.2		45°
2004	4	A3 2.0 TDI 16V Eng. AZV-BKD From chassis n. 8P-4140-000 1968 cc.	81	03G 109 601B	IN	6372	S	29.1	6	87.8		45°
				03G 109 611D	EX	6373	BM	25.4	6	87.5		45°
2004	4	A4 2.0 TDI-PD 16V Eng. BNA-BLB 1968 cc.	81	03G 109 601B	IN	6372	S	29.1	6	87.8		45°
				03G 109 611D	EX	6373	BM	25.4	6	87.5		45°
2004	4	A6 2.0 TDI-PD 16V Eng. BNA-BLB-BRE Eng. BRFB-BVG 1868 cc.	81	03G 109 601B	IN	6372	S	29.1	6	87.8		45°
				03G 109 611D	EX	6373	BM	25.4	6	87.5		45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I-F
	G11257 G11258	IN/EX	31.5	7	12.06 12.11	B	C.I
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I-F
	G11257 G11258	IN/EX	31.5	7	12.06 12.11	B	C.I
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
038 109 309B	PI 06-0032	I
038 109 309B	PI 06-0032	I
038 109 309B	PI 06-0032	I


 NOTE
remarks

AUDI DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1990/91	5	100 Avant Eng. 1T 2460 cc. 100 Avant Eng. AAS 2370 cc. 100 Avant TD Eng. AAT - ABP 2460 cc.	81	028 109 601A	IN	4615	BM/AR/CR	36	8	96.9	I	45°
				046 109 611C/E	EX	4616	BM/AR/CR	31.5	8	96.9	I	45°
				074 109 611	EX	4640	BM/AR/CR	31.2	8	95	I	45°
1994	5	A6 2.5 - Avant 2.5 TDI Eng. AAT-AEL 2460 cc.	81	046 109 601J	IN	4776	BM/CR	36	8	96.9	I	45°
				046 109 611F	EX	4777	BM/CR	31.4	8	96.9	I	45°
2005	V6	A6 2.7 TDI V6 24V Eng. BPP-BSG 2698 cc.	83	059 109 601G	IN	6514	S	28.8	6	99.5	I	45°
				059 109 611H	EX	6515	BM/AR	26.8	6	99.4	I	45°
2003 2005 2005	V6	A8 3.0 TDI V6 24V A6 3.0 TDI V6 24V A4 3.0 TDI V6 24V Eng. BMK-BKN-BNG 2967 cc.	83	059 109 601G	IN	6514	S	28.8	6	99.5	I	45°
				059 109 611K	EX	6515	BM/AR	26.8	6	99.4	I	45°

AUTOBIANCHI

1975	4	A 112 Eng. A112 903 cc.	65	4265695	IN	3561	S/CR	29	7	95.5	EE	45°
				4266321	EX	3359	R/CR	26	7	95.5	I	45°
1969/86	4	A 112E Eng. 100GL6.000 903 cc. A 112 Elegant Eng. A112B1.000 903 cc.	65 67.2	4265695	IN	3561	S/CR	29	7	95.5	EE	45°
				4377979	EX	3551	R/CR	26	7	95.5	EE	45°
1977/85	4	A 112 Elegant - Elite A122 Junior - LX Eng. A112A- A112B1 965 cc.	67.2	5959564	IN	3745	S/CR	29	7	95.5	EE	45°
				5959563 5973130	EX	3746	R/CR	26	7	95.5	EE	45°
1985 1989	4 4	Y10 - Y10 4WD Y10 LX Eng. 156A2.000 Fire 999 cc. Y10 ie - Y10 4WD ie Y10 ie LX Eng. 160A3.000 Fire 1108 cc.	70	7666228	IN EX	4168	S/CR	30.5	7	97	EE	45°
				5942727 5942728 7666227		4169	R/CR	27.5	7	97	EE	45°
1985/89	4	Y10 Touring Eng. 156A.000 1049 cc.	76	4412816	IN	3592	S/CR	36.5	8	110	EE	45°
				4412822 4340119	EX	3529	R/CR	29	8	110.5	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G11445 G11446	IN/EX	36	5.98	10.06 10.10	B	C.I.
	G11445 G11446	IN/EX	36	5.98	10.06 10.10	B	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
59422730	PI 03-105	M

NOTE





NOTE remarks

AUDI DIESEL

AUTOBIANCHI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1985	4	Y10 Turbo Eng. 156A1.000 1049 cc.	76	5997328	IN	4172	R/CR	36.5	8	110	EE	45°
				5985066	EX	4173	R/CR	29	8	110.5	EE	45°
1989	4	Y10 1.3 GT ie Eng. M608AA.130 1300 cc.	76	4412816	IN	3592	S/CR	36.5	8	110	EE	45°
				4412822 4340119	EX	3529	R/CR	29	8	110.5	EE	45°

BEDFORD

	4	Rascal Eng. F10A Suzuki 970 cc.	65.5	12911-82000	IN	4549	S/NT	36	7	115.5	EE	45°
				12915-82050	EX	4550	R/NT	30	7	114.5	EE	45°
1982	4	Astra 1.3L Van Eng. 1.3N - S 1297 cc. O/S stem dia. mm. 0.07	75	90106098	IN	3692	S/CR	33	7	104.5	E	45°
				642763	IN	3693	S/CR	33	7.07	104.5	E	45°
				90106099								
				642764	EX	3695	R/CR	29	7	104.5	E	45°
642890	EX	3696	R/CR	29	7.07	104.5	E	45°				
1983	4	Astra L Van Eng. 16SV 1598 cc.	79	642679	IN	4383	S/CR	38	7	101	E	45°
				642854	EX	4384	R/CR	31	7	101	E	45°
1983/86	4	Astra 1.6L Van Eng. 1.6N - S 1598 cc.	80	90106792	IN	4236	S/CR	35	8	106.1	E	45°
				642635	EX	4239	R/CR	32	8	106.1	E	45°
				90106797								
642789												
1984/87	4	CF2 Van Eng. 2.0N - S 1979 cc. O/S stem dia. mm. 0.075	95	9292660	IN	3899	S	42	9	123	E	45°
				642750	IN	3900	S	42	9075	123	E	45°
				9292661								
				642751	EX	3902	R/CR	37	9	123.7	E	45°
				9292324	EX	3903	R/CR	37	9075	123.7	E	45°
642873 9292325 642874												

BEDFORD DIESEL

1983	4	Astra 1.6 Van Eng. 1.6D/DA 1598 cc.	80	90169309	IN	3698	S/CR	36	8	123	E	45°
				642651	EX	3699	R/CR	32	8	123	E	45°
				90499097								
642818												
1987	4	Midi 2.0D Van Eng. 4FB1 ISUZU 1995 cc.	84	94216589	IN	4602	S/CR	39	8	132.3	S	45°
				94108307	EX	4603	R/CR	34	8	132.3	S	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
11115-82000-001	G3277 G3278	IN/EX	48	7	12.07 12.12	G	L-X
	G2800 G2801	IN/EX	45.5	7	11.04 11.09	G	L
	GS2800	IN/EX	45.5	7	11.04	SM	L
	G2800 G2801	IN/EX	45.5	7	11.04 11.09	G	L
	G3232	IN/EX	43	8	12.04	G	L
	G2947 G2948	IN/EX	50	8	12.05 12.10	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
5233315	PI 06-0009	I
5233315	PI 06-0009	I
5233315	PI 06-0009	I
5233315	PI 06-0009	I







NOTE remarks

AUTOBIANCHI
BEDFORD
BEDFORD DIESEL





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1980/84	4	CF 97 - 220 - 250 Van Eng. 20D 1998 cc. CF 97 - 220 - 250 Van Eng. 23D 2260 cc.	86.5 92	90106281	IN	3686	S/CR	42	9	127	C	45°
				642767	EX	3689	BM/CR	34.5	9	127	C	45°
1976/80	4	CF 97 Van Eng. 21D 2068 cc.	88	90106281	IN	3686	S/CR	42	9	127	C	45°
				642767	EX	3486	BM/CR	35	9	127	C	45°
1966/74	6	KG - KGA - TK Eng. 381 cu.in serie E 6243 cc. KG - KH - KM Eng. 466 cu.in 7634 cc. Eng. 500 cu.in 8198 cc.	104.75	91013530	IN	4128	R/CR	47.6	8.7	137.3	M	30°
				8829304	EX	4129	R/CR	40.6	8.7	136.6	M	45°
BMW												
1977/83	6	320 - 520 - 320i - 520i Eng. M20B20 1990 cc. 323 i Eng. M20B23 2316 cc.	80	1267687	IN	3635	S/CR	40	7	102.5	I	45°
				1265453	EX	3636	BM/AR/CR	34	7	102.5	I	45°
1989/92	6	320i 320i 24V 320i Coupè 24V 520i 24V 520i Touring Eng. M50B20 1991 cc.	80	11341722910	IN	4617	S	29.9	7	107.7	I	45°
				11341722911	EX	4618	BM/AR/CR	26.9	7	106.8	I	45°
1992	6	320 i 24V Eng. M50B20 Mod. E36 1991 cc.	80	11341738220	IN	4799	S/CR	29.9	6	107	I	45°
				11341738214	EX	4800	BM/AR/CR	26.9	6	106.1	I	45°
1994	6	320 2.0i 24V 520i 2.0 24V Eng. M50B20 Mod. E34 1990 cc.	80	11341738221	EX	4800	BM/AR/CR	26.9	6	106.1	I	45°
1992												
1999	6	Z3 2.0i 24V Eng. M52B20C 1991 cc.	80	11341738215	EX	4800	BM/AR/CR	26.9	6	106.1	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1964/74 1965/69 1975/77	4	1600 - 1602 1600 Ti 1502 Eng. 116 - 1600N 1573 cc.	84	11341251879 11341251498	IN EX	3411 3102	S R	42 35	8 8	104 104	I I	45° 45°
1975/80 1981/83		316 Eng. 1600 315 Eng. M10B16V 1573cc.										
1988/90 1990	4	316i Eng. M40B16 1596 cc. 318i - 518i Eng. M40B18 1796 cc.	84	11341727358 11341727352	IN EX	4606 4607	S/CR BM/AR/CR	42 36	7 7	102 101	I I	45° 45°
1991/93 1990 1991 1992	4	316 i Eng. M42B16 1596 cc. 318 i - 318iS 16V Eng. M42B18 1796 cc. 325 i 325 i 24V 325 i Coupè 24V 525 i 24 V 525 ix Touring 24V Eng. M50B25 2494 cc.	84	11341722908 11341722903	IN EX	4692 4693	S BM/AR/CR	32.9 30.4	7 7	106.7 106.3	I I	45° 45°
2003	4	116 i Eng. N45B16A 1596 cc.	84	11341435461 11347503737 11341707519 11347503738 11347592839	IN EX	6459 6392	S BM/AR/CR	34.9 29	6 6	100 100,1	I I	45° 45°
2001 2003 2004		318 ci 16V 1796 cc. 120 i 16V 118 i 16V Eng. N46B20B 1995 cc.	84	11341440304 11341707519	IN EX	6391 6392	S BM/AR/CR	32 29	6 6	100 100,1	I I	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
111212663642	G2070 G2071 G2072 G2781	IN/EX	50	8	14.05 14.10 14.15 14.25	B	C.I.
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11331734402 11331721698	PI 06-0019	I
11321739299	PI 06-0029	I

NOTE remarks

BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1994	4	316i Compact - Coupè Eng. M43B16 1596 cc.	85	11341739658 11341739665	IN EX	6015 6016	S BM/AR/CR	42 36	7 7	104 103	I I	45° 45°	
1993/98	4	318i 1.8											
1993/95	4	518i 1.8											
1995/98		Z3 1.8 Eng. M43B18 1796 cc.											
2000	4	316i 1.9											
2000		318i 1.9											
1998		Z3 1.9i Eng. M43B19 1895 cc.											
1993		318i Eng. M43B18											
1996		Z 3 Eng. M43B18 1796 cc.											
1994	V12	850 Csi 24V Eng. M73B54 5379 cc											
1995	4	318 Ti Compact 16V	84	11341739822	IN	4864	S	32.9	6	106	I	45°	
1993		318 iS Coupè 16V Eng. M42B18 1796 cc.			11341739820 11341738218 11341438451								
1999	4	Z3 1.9i 16V Eng. M44B19 1895 cc.			11341739823 11341739821 11341738219	EX	4865	R/CR	30.5	6	105.6	I	45°
1995	6	323i 2.5 24V			11347505731								
1999		323 Ci Coupè 2.5 24V Eng. M52B25											
1992/97	6	325i 2.5 24V											
1995	6	523i 2.5 24V Eng. M50B25											
2003		X3 2.5 i 24V Eng. 256S5 2494 cc.											
1995	6	328i 2.8 24V 528i 2.8 24V 728i 2.8 24V Z 3 2.8 24V Roadster Eng. M52B28 - M52B52 2793 c.c.											

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
11121735534	G3544 G3548	IN/EX	43.5	6	12.56 12.61	B	C.I.

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
11321748880 11321748881 11321748882 11321748884	PI 06-0021	I
11321739299 11321739298	PI 06-0029	I

NOTE remarks
PI 06-0021 33x24
PI 06-0029 35x26

BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1983	6	325 E - 525 E 528 E Eng. M20B27 2693 cc.	84	1267687	IN	3635	S/CR	40	7	102.5	I	45°
				1265453 11341267721 1267688 1280643 11341267722	EX	3636	BM/AR/CR	34	7	105.5	I	45°
1986/91 1988/90 1986/91	6	325i-325ix 525 i 24V Z1 Eng. M20B25 2494 cc.	84	11341720827 11341720828	IN EX	4454 4455	S BM/AR/CR	42 36	7 7	102.5 102.5	I I	45° 45°
2002 2003	6	Z4 3.0 i 24V X3 3.0 i 24V Eng. 306S3 2979 cc.	84	11341739822 11341739820 11341738218 11341438451	IN	4864	S	32.9	6	106	I	45°
				11341739823 11341739821 11341738219 11347505731	EX	4865	R/CR	30.5	6	105.6	I	45°
1993	V8	530i Tourig 32V 730i - 730iL 32V Eng. M60B30 2997 CC	84	11341731642 11341736567	IN	4797	S	31.9	6	104	I	45°
				11341741230 11341736576	EX	4798	BM/AR/CR	28.5	6	103.6	I	45°
1986/89	V12	750i - 750iL V12 850i Eng. M70 4988 CC	84	11341727358 11341713731	IN EX	4606 4796	S/CR BM/AR/CR	41.9 34.9	7 7	102 101.1	I I	45° 45°
1996	4	318iS Compact 16V 318Ti Compact 16V Z 3 Roadster 16V Eng. M44B19 1895 cc.	85	11341739822 11341739820 11341739823 11341739821	IN EX	4864 4865	S R/CR	32.9 30.5	6 6	106 105.6	I I	45° 45°
09/1994	V12	750i - 750iL 24V 850ci - 24V Eng. M73 B54 5379 cc.	85	11341739658 11341739665	IN EX	6015 6016	S BM/AR/CR	42 36	7 7	104 103	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121280523	G2073 G2074 G2075 G2782	IN/EX	45	7	13.05 13.10 13.15 13.25	B	C.I.
11121280523	G2073 G2074 G2075 G2782	IN/EX	45	7	13.05 13.10 13.15 13.25	B	C.I.
11121735534	G3544 G3548	IN/EX	43.5	6	12.56 12.61	B	C.I.
11121735534	G3544 G3548	IN/EX	43.5	6	12.56 12.61	B	C.I.
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11321748881	PI 06-0021	I
	PI 06-0019	I







NOTE remarks

BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1968/76	6	2500 - 2.5CS 525 2494 cc. 2800 - 2.8CS 2788 CC. 528 Eng. 128 2788 cc.	86	11341273592 11341250129	IN EX	3415 3416	S/CR R/CR	46 38	8 8	106.5 107	I I	45° 45°
1976/81		525 - 525i Eng. M30B25 2494 cc.										
1977		528i - 628 CSi - 728i Eng. M30B25 2788 cc.										
1968/74 1975/80 1975/84 1968/84	4	1800 - 1802 316 - 318 318 518 Eng. 118 1766 cc.	89	11341251879 11341251498	IN EX	3411 3102	S R	42 35	8 8	104 104	I I	45° 45°
1965/75 1987 1980	4	2000 - 2000 CA - 2002 1990 cc. 316i 318i - 518i Eng. M10B18K 1766 cc.	89	11341254625 11341251063	IN EX	4268 3414	S/CR R/CR	46 38	8 8	104 104	I I	45° 45°
1975/82		320i - 520 - 520i Eng. 2000E 1990 cc.										
1975/80		518 Eng. 118/3 1766 cc.										
1987	4	318i Eng. M40 1766 cc.	89	11341727358 11341727352	IN EX	4606 4607	S/CR BM/AR/CR	42 36	7 7	102 101	I I	45° 45°
1971/76 1988 1986	6	3.0 S/CS/L Eng. E3 530i 730i/iL Eng. M30B30ME	89	11341273592 11341250129	IN EX	3415 3416	S/CR R/CR	46 38	8 8	106.5 107	I I	45° 45°
1976/80		630 CS - 730 Eng. 3000/9 2985 cc.										
1976/82		633 CSi - 732i - 733i Eng. M30B32L 3210 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
111212663642	G2070 G2071 G2072 G2781	IN/EX	50	8	14.05 14.10 14.15 14.25	B	C.I.
111212663642	G2070 G2071 G2072 G2781	IN/EX	50	8	14.05 14.10 14.15 14.25	B	C.I.
111212663642	G2070 G2071 G2072 G2781	IN/EX	50	8	14.05 14.10 14.15 14.25	B	C.I.
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
11120721100	G2067 G2068 G2069	IN/EX	52	8	14.04 14.09 14.14	B	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I

**NOTE
remarks**

BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1992/93	V8	540i V8 32V 740i - 740iL V8 32V 840Ci 32V 840Ci 3.9 V8 32V Eng. M60B40 3982 cc.	89	11341731640 11341736549 11341736558 11341736568 11341741231	IN EX	4794 4795	S/CR BM/AR/CR	34.9 30.4	6 6	104.1 103.6	I I	45° 45°
1996	V8	X5 4.4 i V8 32V 540i V8 32V 740i V8 32V 840Ci 4.3 V8 32V Eng. M62B44 4398 cc.	92									
1978/83	6	535i - 635CSi Eng. M30 3430 cc. 535i - 635 CSi Eng. M30 3453 cc.	92 93.4	11341273592 11341250129	IN EX	3415 3416	S/CR R/CR	46 38	8 8	106.5 107	I I	45° 45°
1986/89	4	320i/Is M3 16V Eng. S14-E30 2302 cc.										
BMW DIESEL												
1983	6	524TD Eng. M21D24WA Turbo	80	11342242621 11342242624	IN	4396	BM/CR	34.9	7	114.3	I	45°
1986		324d - 524d Eng. M21D24 Turbo 2443 cc.		11342242622 11342242623	EX	4397	BM/AR/CR	30.9	7	114.1	I	45°
1990/92	6	325TD Eng. M51D25 2498 cc.	80	11342243328 11342244282	IN EX	4621 4622	BM/CR BM/AR/CR	35.9 30.9	7 7	103.7 103.5	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121735534	G3544 G3548	IN/EX	43.5	6	12.56	B	C.I.
					12.61		
11120721100	G2067 G2068 G2069	IN/EX	52	8	14.04	B	C.I.
					14.09		
					14.14		
	G3147 G3148 G3149	IN/EX	45	7	12.05	B	C.I.
					12.10		
					12.15		
11121280523	G2073 G2074 G2075	IN	45	7	13.05	B	C.I.
					13.10		
					13.15		
	G2782 G3141 G3142 G3143 G3144	EX	52	7	13.25	B	C.I.
					13.05		
					13.10		
					13.15		
11121280523	G2073 G2074 G2075	IN	45	7	13.05	B	C.I.
					13.10		
					13.15		
G2782 G3141 G3142 G3143 G3144	EX	52	7	13.25	B	C.I.	
				13.05			
				13.10			
				13.15			

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0029	I
	PI 06-0021	I
11321739229	PI 06-0029	I







NOTE remarks
Eng. M60B40
Eng. M62B44

BMW
BMW DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1994	4	318TDS - Touring Eng. M41D18 1665 cc.	80	11342244814 11342246524 11342244815 11342246525	IN EX	4919 4920	BM/CR BM/AR/CR	36 31	6 6	103.7 103.5	I I	45° 45°
1992	6	325TD - 325TDS 325TDS Touring 525TD - 525TDS 525TDS Touring Eng. M51D25										
1996	6	525 TDS Eng. M51D25 Mod. E39										
	6	725TDS Eng. M51D25 Mod. E38 2498 cc.										
1998	4	320 2.0 TDS 16V Eng. M47D20 1951 cc.	84	11342247077	IN/EX	6088	BM/CR	26	6	100	I	45°
2003		X3 2.0 D 118 D 120 D Eng. 204D4 1995 cc.										
1999	6	330 3.0 TDS 24V										
1998	6	530 3.0 TDS 24V										
1998	6	730 3.0 TDS 24V										
2000	6	X5 3.0 TDS 24V										
	6	X3 3.0 D Eng. M57D30 2498 cc.										
	6	535 D 2993 cc.										

CATERPILLAR

1959/69	4/6	D4 - D330 - 944 - 955 D333 - 977 - D6	144.3	7M7358E 7M7359E 9M4163	IN EX	3178 3179	S R	48 45	9.5 9.5	166.5 166.5	K K	30° 30°
	8	Eng. 3208 10400 cc. Eng. 1140 - 1145 Eng. 1150 - 1160	114.3	9L7682 9L7683	IN EX	4303 4304	R R	53.2 46	9.5 9.5	145 144.5	K K	30° 45°
	4/6	D4 - D4D - D5 - D6C 977 - 11K - 76J 3304 - 3306 920 - 922B - 930 - 944 950 - 951B - 951C 955K - 966C - 12F-14E 112F - 120 - 140	120.65	5S6452 5S6449	IN EX	3934 3935	S R	51.5 48	9.5 9.5	140 139	K K	30° 30°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11122244464	G13599 G11021 G11022	IN/EX	39.5	6	12.55 12.60 12.65	B	C.I.
	G11313 G11314	IN/EX	39	6	11.54 11.59	B	L
4N3668	G2101	IN/EX	82	9.55	16.72	G	C.I.
2P1262	G2698	IN/EX	71	9.53	16.72	G	L-Z
1487425	G11247	IN/EX	70.5	9.53	16.72	G	L-Z
2P1262	G2698	IN/EX	71	9.53	16.72	G	L-Z
1487425	G11247	IN/EX	70.5	9.53	16.72	G	L-Z

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11321739229	PI 06-0029	I
11332249817 11332247722	PI 06-0019	I



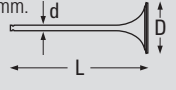




NOTE remarks

BMW DIESEL
CATERPILLAR





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm. 				
								D	d	L		
	4/6	D4 - D4D - D5 - D6C 977 - 11K - 76J 3304 - 3306 920 - 922B - 930 - 944 950 - 951B - 951C 955K - 966C - 12F-14E	120.65	5S6452 5S7232 8N0875	IN EX	3934 3936	S R	51.5 48	9.5 9.5	140 139	K K	30° 30°
	4/6	112F - 120 - 140 D7F - 980B D330C - D333C Scrapers 627 - 637	120.65	7S8809 9N6117 2W2621 5S7232 8N0875 7S6767	IN EX EX	3937 3936 3938	S R BM/AR	51.5 48 48	9.5 9.5 9.5	140 139 139	K K K	30° 30° 30°
	4/6	120G - 130G - 518 950 - 955L D4D - SA 920 - 930 - 941B - 951 D6C - SA - D7G 14G - 235 - 528 - 571 572G - 627B - 637 814 - 5 - 6 996C - 977L D5 - SA - 12G 561C 980B 16G 245 621B - 623B Eng. 3304T-3304NA Eng. 3306T-3306NA Eng. 3306TA Eng. 3406T-3406TA	120.65	2W2620 6N9915 7N0572 1007860 7N0573 6N9916 1487455 1007861	IN EX	4343 4344	R R	51.5 48	9.5 9.5	136.5 135	K K	30° 30°
	4	Eng. 3116	126.9	7W8064 1614280 611589 7W2699 1051779 1360819 6115590	IN EX	4953 4951	BM BM/AR	47 40	8 8	177 177	EE EE	30° 45°
1984	6	Eng. 3406 Serial 92U1 3408 Serial 28V1 3412 Serial 60M1-38S1	137.16	1W3859 2W2622 1152368 4N5654 1W3860 7N4580 4N5633 1152367 1061111	IN EX	4096 4097	R/CR R/CR	45 41.8	9.5 9.5	181.5 181.5	K K	30° 45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
	6	988 - 620 - 631 - 641 650 - 651 - 657 - 666 824 - 824/B - 825/B 830 - 834 - 835	137.16	1P407 2M6402 1N4885 1P2629 2M6403 8N3725 7E7830	IN EX	4345 4346	R/CR R/CR	45 42	9.5 9.5	152 152	K K	45° 45°
1958/69	4/6	D7 Serial N. 17A D8 Serial N. 13A - 13A1 14A - 14A1 - 15A - 15A1 - 35A1 - 36A1 Eng. D364 - D375 Eng. D386 - D397	146.05	8H1993 8H1994	IN EX	3506 3507	S R	59.5 58	12.6 12.6	236 235	G G	45° 45°
	6 8 12	D9 Serial N. 18A1 19A1 - 34A1 - 49A1 50A1 - 66A1 D379 - D398	158.75	7M7817 8H7097 8N3723	IN EX	3941 3942	R R	63.5 60	12.5 12.5	238.5 238.5	G G	30° 30°
	V8 V12	Eng. G379 Eng. D398	158.75	1W8606 1W1822 2W3211	IN EX	4968 4969	BM/AR BM/AR	63.5 60	9.3 9.3	238.5 238.6	K K	30° 30°
	8	Eng. 3204		9L7682 9N5125 1196772	IN EX	4303 4675	R BM/AR	53.2 46	9.45 9.45	145 144.5	K K	30° 45°
	V16	Eng. 3516	170.18	7E4609 1047184	IN/EX	6040	BM/AR	56	9.5	219	K	30°
		D3 Eng. 3204		9N0180 9N0185	IN EX	4868 4869	S R	48 45.8	9.5 9.5	150 149.7	K K	30° 45°
		Eng. 3066 CLZ-HBC		5I7738 5I7739	IN EX	6393 6394	R/NT R/NT	44 37	8 8	134.2 134	M M	30° 30°
		Eng. 3408 Eng. EI GY		122-0322 122-0321	IN EX	6490 6491	BM/AR/CR BM/AR/CR	45 41.9	9.5 9.5	184.4 184.3	K K	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		

CHRYSLER

2001	4	Neon 1.6 i 16V Eng. R50 1598 cc.	77	11341485585	IN	6252	S/CR	30.3	6	109.5	I	45°	
				11347513023									
				11347829943	EX	6253	BM/CR	23.3	6	118.3	I	45°	
2004	4	PT Cruiser 1.6 i 16V Eng. R50 1598 cc.	77	11341485585	IN	6252	S/CR	30.3	6	109.5	I	45°	
				11347513023									
				11347829943	EX	6253	BM/CR	23.3	6	118.3	I	45°	
				11347513024									

CHRYSLER DIESEL

2002	4	PT Cruiser 2.2 CRD 16V Eng. OM664 2151 cc.	88	050 73 735AA	IN	6173	S/NT	30.1	7	104	I	45°
				050 73 738AA	EX	6174	R/NT	28.4	7	104.4	I	45°
1991/92	4	Voyager 2.5 TD Eng. VM 2499 cc.	92	047 20 146	IN	3598	R/CR	40	8	121	E	35°
				047 20 148	EX	3599	R/CR	34	8	121	E	45°
2003	4	Voyager 2.5 CRD 2499 cc.		05066770AA	IN	6460	S/CR	32.4	6	109	I	45°
				05066769AA	EX	6461	BM/CR	30.9	6	108.3	I	45°

CITROËN

1967	2	Dyane 2 CV	68.5	AYA124-7E	IN	3367	S	39	8	91	I	30°
				AYA124 -8C	EX	3368	XB	32	8.5	89	I	45°
1968	2	Dyane 4 CV	68.5	5435070Y	IN	4137	S	39	8	89	I	30°
				5435075	EX	4138	R	34	8.5	89	I	45°
				5435075C								
1981	4	AX 954 cc.	70	0948.31	IN	3384	N	34.5	8	113.5	E	30°
				0949.31	EX	3385	R	27.5	8	113.5	E	45°
1993	4	AX 10E - 10RE Eng. TU9M 954 cc.	70	97531079	IN	4228	S	34.7	7	112.8	E	30°
				97531046	EX	4229	R/CR - BM/AR/CR	27.7	7	112.6	E	45°
1984	4	LNA 4 CV 954 cc.	70	95563504	IN	3627	S	37	8	113.5	E	30°
1982		BX 11 Eng. A-XY-6C	72	0948.38								
1983		LNA11 RE/RS		9556305	EX	3628	R	29	8	113.5	E	45°
1978		Visa Super - E-L Eng. 109/5F 1124 cc.		95551308								
				0949.33								
				0949.42								
2003	4	C2 1.1 C3 1.1 Eng. TU1JP 1124 cc.	70	0948.91	IN	6110	S	36.7	7	112.7	E	45°
				97531044	EX	4231	R/CR - BM/AR/CR	29.2	7	112.6	E	45°
				97533264								
2005	3	C1 1.0 12V Eng. 1KR-FE 998 cc.	71	0948.E2	IN	6439	S/NT	27.5	5	88.5	SS	45°
				0949.C8	EX	6440	R/NT	23.6	5	89.1	SS	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1986	4	AX 11 RE-TRE Eng. TU1	72	97531080	IN	4230	S	36.7	7	112.8	E	30°
1993		ZX Reflex		97533266								
1996		Saxo 1.1i X - SX - VSX		97531044	EX	4231	R/CR - BM/AR/CR	29.2	7	112.6	E	45°
1997		Exper - Berlingo 1.1i 1124 cc. Eng. TU1K - TU1MZ 1124 cc.		97533264								
1988/96	4	C15 1.1 Eng. HDZ-TU1M 1124 cc.	72	0948.58	IN	4230	S	36.7	7	112.8	E	30°
				0949.59	EX	4231	R/CR - BM/AR/CR	29.2	7	112.6	E	45°
1996/99	4	Berlingo 1.4 Eng. TU3-2 1360 cc.	72	97531080	IN	4230	S	36.7	7	112.8	E	30°
				97533266								
				97531044	EX	4231	R/CR - BM/AR/CR	29.2	7	112.6	E	45°
				97533264								
1968/79	2	Ami 6/8 Dyane 6 2 CV - LN 602cc.	74	AM124-7E	IN	3365	S	40	8	88.5	I	30°
				AM124-8D	EX	3366	R	34	8.5	86.5	I	45°
1973	4	Ami Super 1015 cc. Axel 11 R GSA 6 CV - GS 1129 cc.	74	5457480K	IN	3363	S	39	8	97.5	I	30°
				5457481W	EX	3364	R/CR	34	8.5	96	I	45°
1972/80	4	GS 1200 - GS 1220 1222 cc.	77									
19840	4	BX 14E-TRE Visa Super X	75	95563504	IN	3627	S	37	8	113.5	E	30°
1984		Visa 14 TRS		95551307								
1981		Visa GT-Chrono XT Eng. 150 A/B/C 1361 cc.		0948.38	EX	3628	R	29	8	113.5	E	45°
				9556305								
				95551308								
				0949.33								
				0949.42								
1986	4	AX 14 TRS-TZS-TZX	75	97531080	IN	4230	S	36.7	7	112.8	E	30°
1987		AX GT		97533266								
1991		AX XT		0948.58								
1993		AX 14 TGS		97531044	EX	4231	R/CR - BM/AR/CR	29.2	7	112.6	E	45°
1991		ZX Reflex - Advantage		97533264								
1993		ZX Tilt 1.4i		0949.59								
1996		Xara 1.4i XP - SX Saxo 1.4i VTL - SX										
1997		Berlingo 1.4i 1361 cc. Eng. TU3 1361 cc.										
1987/96		C15 1.4 Eng. KDY-TU3FM/M 1361 cc.										

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2003	4	C2 1.4 C3 1.4 Eng. TU3JP 1360 cc.	75	0948.91	IN	6110	S	36.7	7	112.7	E	45°
				0949.59	EX	4231	R/CR - BM/AR/CR	29.2	7	112.6	E	45°
2004	4	C2 1.4 i 16V C3 1.4 i 16V C4 1.4 i 16V Eng. ET3J4-KFU 1360 cc.	75	0948.C8	IN	6441	S	28.2	5.5	100.7	I	45°
				0949.C4	EX	6442	BM/CR	24.35	5.5	101.1	I	45°
1986	4	AX Sport Eng. TU24 1294 cc.	75	95638476	IN	4358	R	39.3	8	111.8	I	45°
				95638477	EX	4359	R/AR/CR	31.2	8	111.5	I	45°
1979	2	LNA Visa Club 652 cc.	77	95551313	IN	3983	S	39.5	8	87.5	I	45°
				95551314	EX	3984	R/CR	35.5	8.5	86.5	I	45°
1974/78 1979	4 4	GS X2 Eng. G12/619 1222 cc. Axel 1300 - GSA X3 Eng. T13/653 1299 cc.	77 79.4	5468599U	IN	3621	S	38	8	95	I	45°
				5459813 5468600E 5459814	EX	3622	R/CR	36	8.5	94	I	45°
1996	4	Saxo 1.6i VTS 16V Eng. TU5J4 1587 cc.	78.5	96254648	IN	4975	S/CR	28.8	6	104.4	S	45°
				96254645	EX	4976	R/CR	24.5	6	104.4	S	45°
1996	4	Saxo 1.6i VTR - SX Xara 1.6i 1587 cc.	78.5	96183535	IN	4881	S	39.4	7	111.7	I	30°
				96101887	EX	4882	R/CR	31.3	7	111.5	I	45°
1998	4	Xsara 1.6i Eng. TU5JP From Eng. 7875 1587 cc.	78.5	0948.93	IN	6089	S	39.4	7	111.7	I	45°
				96101887	EX	4882	R/CR	31.3	7	111.5	I	45°
2000	4	Xsara/Picasso 1.6 i 16V Eng. NFU-TU5JP 1587 cc.	78.5	0948.A9	IN	6147	S	31.2	6	103.8	S	45°
				0949.A8	EX	6148	R/CR	24.5	6	104.4	S	45°
2003	4	C2 1.6 i 16V C3 1.6 i 16V Eng. NFU -TU5JP4 1587 cc.	78.5	0948.A9	IN	6147	S	31.2	6	103.8	S	45°
				0949.A8	EX	6148	R/CR	24.5	6	104.4	S	45°
2000 2004	4	Berlingo 1.6 i 16V C4 1.6 i 16V Eng. NFU-TU5JP4 1587 cc.	78.5	0948.A9	IN	6147	S	31.2	6	103.8	S	45°
				0949.A8	EX	6148	R/CR	24.5	6	104.4	S	45°
1998 2001	4	Xsara Picasso 1.8i 16V C5 1.8i 16V Eng. EW7J4 1749 cc.	82.7	0948.A4	IN	6157	S	29.8	6	106	S	45°
				0949.A4	EX	6158	BM/CR	27.2	6	104	S	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
	G11029 G11030	IN/EX	48.4	8.01	13.07 13.12	B	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
0220.84	G3454 G3455 G3456	IN/EX	48	7.01	13.06 13.11 13.16	B	C.I.
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
02130.12	G11315 G11316	IN	40	6	12.07 12.12	B	C.I.
02130.13	G11317 G11318	EX	40	6	12.07 12.12	G	C.I.

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.42 0942.51 0942.52 0942.53	PI 06-0019	I
	PI 06-0024	I
0942.32 0942.36 0942.48	PI 06-0024	I
96369569 96212525	PI 06-0024	I
96369569 96212525	PI 06-0024	I
96369569 96212525	PI 06-0024	I


NOTE
remarks

CITROËN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1984	4	BX 16RE-RS-S-TRI-TRS Eng. 171C Visa GTI Eng. 180A 1580 cc.	83	91512096	IN	3985	S/CR	40	8	109.5	E	45°
				91508631	EX	4311	R/CR	32	8	108.7	E	45°
				91513446	EX	3986	R/CR - BM/CR	33	8	108.7	E	45°
1984/86	4	BX 19 TRI Eng. 159A 1905 cc.	83	91518971	IN	4364	S	39.5	8	105.2	E	45°
				91518972	EX	4365	R/AR/CR	33	8	105.2	E	45°
1986	4	BX 19 GTI Eng. D2A 1905 cc.	83	91537489	IN	4360	S	41.6	8	105.2	E	45°
				91537491	EX	4361	R/AR/CR	34.5	8	104.8	E	45°
1984	4	Visa GTI	83	91535017	IN	4362	S	41.6	8	108.8	E	45°
1991	ZX Aura Eng. XU5M 1580 cc.	91535019		EX	4363	R/AR/CR	34.5	8	108.4	E	45°	
1987	4	BX 19 TRS-TRI Eng. D2A										
1991	4	ZX Volcano Eng. XU9JA 1905 cc.										
1993	4	ZX Break - Xantia SX										
1997	4	Xantia SX Eng. XU5JP 1580 - 1761 cc.										
1997	4	Xsara 1.8i										
	4	Berlingo 1.8i Eng. XU7JB - JP 1761 cc.										
1988	4	BX 19 16V Eng. D6A 1905 cc.	83	91540748	IN	4456	S/CR	34.5	7	106.5	I	45°
				91540782	EX	4457	R/CR - BM/AR/CR	29.6	7	105.8	I	45°
1995	4	Xantia X 1.8i 16V Eng. HU7JP4										
	4	Xantia SX 2.0i 16V Eng. XU10J4R 1998 cc.	86	96172597	IN	6329*	S/CR	34.5	7	106.4	I	45°
				96172795	EX	6330*	R/CR	29.6	7	105.7	I	45°
1993	4	ZX - Xantia VSX 16V										
1995		XM 16V SX Eng. XU10J4R 1998 cc.										
1997	4	Xsara VTS 16V Eng. XU7JP4 1761 cc.	83	96172597	IN	6329*	S/CR	34.5	7	106.4	I	45°
				96172795	EX	6330*	R/CR	29.6	7	105.7	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
07-97/00	4	Xsara/Picasso 1.8 i 16V Eng. LFY-XU7JP4 1761 cc.	83	0948.92 0949.92	IN EX	6112 6111	S R/CR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1998 2001	4	Xsara Picasso 2.0i 16V Evasion 2.0i 16V C5 2.0 16V Jumpy 2.0 16V Eng. EW10J4 1997 cc.	85	0948.99 0949.99	IN EX	6113 6114	S R/CR	33.3 29	6 6	106.2 103.6	E E	45° 45
2001	4	C5 2.0 HPI Eng. EW10D 1998 cc.	85	0948.A7 0949.A7	IN EX	6159 6160	S BM/CR	32.4 29.2	6 6	105 102.6	S S	45° 45°
1974 1982	4	CX 2000 CX 2000 Super Pallas CX 20 RE-TRE Eng. M20/616 1995 cc.	86	5467121 5422630 95562253 5411684 95562254	IN EX	3419 3420	S R	49 39	8 9	116.2 104.2	I I	30° 45°
1969 1975	4	DS 21 Pallas Break CX 2200 CX 2200 Pallas Super Eng. M22/621 2175 cc.	93.5									
1972/75 1976	4 4	DS 23 CX 2400 CX 2400 Pallas Super Eng. M23/658 2347 cc.										
1989 1993	4 4	XM Ambiance-Harmonie ZX Volcane 2.0i	86	96059361 96147032	IN EX	4458 4459	S R/CR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1994	4 4 4	Xantia SX-VSX 2.0 IE XM VSX Turbo Evasion X-SX 2.0i Evasion SX-VSX Turbo Eng. XU10J2CTE 1998 cc.										
1997	4	Xsara VTS 16V Eng. XU10J4RS 1998 cc.	86	0948.82 0949.87	IN EX	6060 6061	S BM/AR/CR	34 30.7	6 6	106.4 105.3	S S	45° 45°
1996 1995	4 4	ZX 2.0L 16V Xantia SX Eng. XU10J4R 1998 cc.	86	0948.92 0949.92	IN EX	6112 6111	S R/CR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
07-97/00	4	XM 2.0 i 16V Eng. RFV -XU10J4R 1998 cc.	86	0948.92 0949.92	IN EX	6112 6111	S R/CR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0221.25	G11158	IN	41	5.98	12.07	B	C.I.
	G11223				12.12		
0221.26	G11159	EX	41	5.99	12.07	G	C.I.
	G11225				12.12		
02130.12	G11315	IN	40	6	12.07	B	C.I.
	G11316				12.12		
02130.13	G11317	EX	40	6	12.07	G	C.I.
	G11318				12.12		
02130.12	G11315	IN	40	6	12.07	B	C.I.
	G11316				12.12		
02130.13	G11317	EX	40	6	12.07	G	C.I.
	G11318				12.12		
DX12432 N-124-3	G2110	IN	60	8	13.06	G	C.I.
DX124102N-124-10	G2113	EX	44.5	8.98	13.06	B	C.I.
0220-85	G3340	IN	43.5	8.01	13.07	B	C.I.
	G3341				13.12		
0221.21	G3344	EX	51	8.01	13.07	B	C.I.
	G3345				13.12		
	G11352	IN/EX	41	6	12.07	B	C.I.
	G11353				12.12		
0221.25	G11158	IN	41	5.98	12.07	B	C.I.
	G11223				12.12		
0221.26	G11159	EX	41	5.99	12.07	G	C.I.
	G11225				12.12		
0221.25	G11158	IN	41	5.98	12.07	B	C.I.
	G11223				12.12		
0221.26	G11159	EX	41	5.99	12.07	G	C.I.
	G11225				12.12		

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580-A	PI 06-0007	I
	PI 06-0024	I
	PI 06-0024	I
9629316580-A	PI 06-0007	I
9629316580-A	PI 06-0007	I
9629316580-A	PI 06-0007	I


 NOTE
remarks

CITROËN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1998	4	Xsara 2.0 i 16V Eng. XU10J4R 1998 cc.	86	0948.92	IN	6112	S	34.6	6	106.4	E	45°
				0949.92	EX	6111	R/CR	29.6	6	105.8	E	45°
2002	4	C8 2.2 i 16V Eng. 3FZ 2231 cc.	86	0948.A1	IN	6347	S	35	6	106	S	45°
				0949.A2	EX	6348	R/CR	31.1	6	102.8	S	45°
1995	4	Jumpy 1.6 Eng. 220A.2.000 1581 cc.	86.4	7617500	IN	4625	S/CR	39.5	8	108.5	EE	45°
				5973128	EX	3324	R/CR	31	8	109	EE	45°
1983	4	CX 25 Break GTI CX 25 Familiare - Pallas CX 25 Prestige Eng. 25/659 2500 cc.	93	95600183	IN	4460	S	48.2	8	116.2	I	45°
				95562254	EX	3420	R	39	9	104.2	I	45°
1983	4	CX 25 GTI Turbo CX 25 Prestige Turbo Eng. M25/662 2500 cc.	93	95611049	IN	4461	S/CR	44	8	114	I	30°
				95562254	EX	3420	R	39	9	104.2	I	45°

CITROËN DIESEL

2005	4	C1 1.4 HDI	73.7	0948.C2	IN	6149	S/CR	32.8	5.5	97.5	I	45°
2003		C2 1.4 HDI		0949.B1	EX	6150	BM/CR					
2002		C3 1.4 HDI										
2003		Xsara 1.4 HDI Eng. 8HX-8HZ(DV4TD) 1398 cc.										
2002	4	C3 1.4 HDI 16V Eng. 8HY(DV4TED4) 1398 cc.	73.7	0948.C4	IN	6395	S/CR	24.3	5.5	96.4	I	45°
				0949.C1	EX	6396	BM/CR	22.4	5.5	96.5	I	45°
1988	4	AX 14 RD -TRD Eng. TUD3 1361 cc. Stessa applicazione spessore testa maggiorato 1 mm.	75	95638449	IN	4412	S	35.5	7	108.4	E	45°
				96012815								
				95638450	EX	4413	R/CR	30.6	7	108.2	E	45°
				96012816	IN	4774	S	35.5	7	108.4	E	45°
					EX	4775	R/CR	30.6	7	108.2	E	45°
2005	4	C3 1.6 HDI 16V Eng. 9HX-9HZ DV6TED4 1560 cc.	75	0948.C7	IN	6397	S/CR	25.6	5.5	96.4	I	45°
				0949.C3	EX	6398	BM/CR	23.4	5.5	96.6	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0221.25	G11158	IN	41	5.98	12.07	B	C.I.
	G11223				12.12		
0221.26	G11159	EX	41	5.99	12.07	G	C.I.
	G11225				12.12		
02130.12	G11315	IN	40	6	12.07	B	C.I.
	G11316				12.12		
02130.13	G11317	EX	40	6	12.07	G	C.I.
	G11318				12.12		
4250803	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
4372160	G2266				14.11		
DX12432 N-124-3	G2110	IN	60	8	13.06	G	C.I.
DX124102N-124-10	G2113	EX	44.5	8.98	13.06	B	C.I.
	G11413	IN/EX	34	5.5	9.54	G	L
	G11414				9.59		
	G11413	IN/EX	34	5.5	9.54	G	L
	G11414				9.59		
	G3332	IN	40.2	7	13.07	B	C.I.
	G3333				13.12		
	G3334				13.17		
	G3336	EX	43	7	13.07	B	C.I.
	G3337				13.12		
	G3338				13.17		
	G11413	IN/EX	34	5.5	9.54	G	L
	G11414				9.59		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580-A	PI 06-0007	I
	PI 06-0024	I
4152447	PI 03-102	M
	PI 06-0019	I
	PI 06-0019	I
96027105	PI 03-105	M
	PI 06-0019	I


NOTE
remarks

CITROËN
CITROËN DIESEL

 PI 06-0019
Ball 8.3 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2004	4	C4 1.6 HDI 16V Eng. 9HX-9HY-9HZ DV6TED4	75	0948.C7 0949.C3	IN EX	6397 6398	S/CR BM/CR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2005		Berlingo 1.6 HDI 16V Eng. 9HX-9HY-9HZ DV6TED4 1560 cc.										
2004	4	C5 1.6 HDI 16V Eng.9HZ-9HY(DV6TED4) 1560 cc.	75	0948.C7 0949.C3	IN EX	6397 6398	S/CR BM/CR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2004	4	Xsara Picasso 1.6 HDI 16V Eng.9HZ-9HY(DV6TED4) 1560 cc.	75	0948.C7 0949.C3	IN EX	6397 6398	S/CR BM/CR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
1994	4	AX 15 DX - SX - VSX	77	96150145	IN	4821	S	37	7	108.4	E	45°
1997		Saxo 1.5 D SX Xsara 1.5 D SX Eng. TUD5 1527 cc.		96150144	EX	4822	R/CR	31.5	7	108.2	E	45°
1984	4	BX 17 RD - C1 15 D	80	93501279	IN	3987	S	38	8	112.4	E	30°
1986		Visa 17D - RD		96137360	EX	4810	R/CR	33	8	112	E	45°
1991		ZX Reflex Eng. 161A XUD7 1769 cc.		93510773 93510774 93501280	EX EX	3988	R/CR	33	8	112	E	45°
1984/86	4	C15 1.7 D Eng. 161A-XUD7 1769 cc.	80	93510415 96137360 93510773 93510774 93501280	IN EX EX	4243 4810 3988	S/CR R/CR R/CR	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1986/97	4	C15 1.7 D Eng. 161A-A9A-XUDT 1769 cc.	80	93510415 96137360 93510773 93510774 93501280	IN EX EX	4243 4810 3988	S/CR R/CR R/CR	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1988	4	BX DTR Eng. XUD7-TE Turbo D 1769 cc.	80	96005391 6005392	IN EX	4883 3988	R/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
1993	4	ZX Break 1.7 Berlingo Eng. XUD7 1769 cc.	80	93510415 93510773 93510774 93501280	IN EX	4243 3988	S/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
1993	4	ZX Break 1.9	83	93501280								
1994		Xantia 1.9		0949.73	EX	4810	R/CR	33	8	112	E	45°
1996		Berlingo 1.9										
1993		Xantia S/SX										
1994		Jumpy 1.9D Eng. XUD9A - B - L 1905 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G3555 G3557 G3556 G3558	IN EX	40.2 43	7	13.07 13.12 13.07 13.12	B B	C.I. C.I.
0220-55 9456001351	G3167 G3168 G3169	IN/EX	50	8.02	14.06 14.11 14.16	B	L
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
	PI 06-0019	I
	PI 06-0019	I
96027105	PI 03-105	M

 NOTE
remarks

CITROËN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1992/94	4	C25 1.9 TD Eng. 280A1.000 1929 cc.	82.6	7547158	IN	4627	R/CR	37.5	8	116.5	EE	45°	
				7588577	EX	4626	R/CR	33.5	8	116.5	EE	45°	
1997	4	Berlingo - Jumpy - Xsara Eng. DW8 1868 cc.	82.8	0948.94	IN	4243	S/CR	38.5	8	112.4	E	45°	
				0949.73	EX	4810	R/CR	33	8	112	E	45°	
1983	4	BX 19 D - RD - TRD Eng. XUD9 1905 cc.	83	93501279	IN	3987	S	38	8	112.4	E	30°	
				96137360	EX	4810	R/CR	33	8	112	E	45°	
				93510773	EX	3988	R/CR	33	8	112	E	45°	
				93510774									
93501280													
1986	4	BX 19 D - RD - TRD Eng. XUD9 2088 cc.	83	93510415	IN	4243	S/CR	38.5	8	112.4	E	45°	
				96137360	EX	4810	R/CR	33	8	112	E	45°	
				93510773	EX	3988	R/CR	33	8	112	E	45°	
				93510774									
93501280													
1993	4	ZX Advantage-Aura TD Xantia X-SX-VSX TD Evasion SV-X-SX TD	83	96005391	IN	4883	R/CR	38.5	8	112.4	E	45°	
				96272853	EX	3988	R/CR	33	8	112	E	45°	
1997	4	Jumpy - Xsara SX Eng. XUD9TE 1905 cc.											
1997	4	Xsara 1.9D Eng. XUD9BSD 1905 cc.	83	0948.94	IN	4243	S/CR	38.5	8	112.4	E	45°	
				0949.73	EX	4810	R/CR	33	8	112	E	45°	
1989	4	XM 2.1 TD 12V Eng. XUD11A	85	96008334	IN	4623	S/CR	33.9	8	122.3	I	45°	
				96079213	EX	4624	BM/AR/CR	33.9	8	121.9	I	45°	
1995	4	Xantia 2.1 TD 12V Evasion 2.1TD 12V Eng. XUD11BTE 2088 cc.											
1998	4	Xantia - Xsara 2.0 TD Eng. DW 10 1997 cc.	85	0948.95	IN	6092	S/CR	35.6	6	107.1	I	45°	
				0949.96	EX	6093	BM/CR	33.8	6	107.1	I	45°	
1999	4	Evasion 2.0 HDI Eng. RHZ (DW10ATED)	85	0948.95	IN	6092	S/CR	35.6	6	107.1	I	45°	
				0949.96	EX	6093	BM/CR	33.8	6	107.1	I	45°	
1999		Xantia 2.0 HDI											
1999		Xsara Picasso 2.0 HDI Eng. RHY-RHZ Eng. DWTD/ATED											
1999		Jumpy 2.0 HDI Eng. RHY-RHX-RHZ											
2001		Eng. DW10TD/ATED/BTED C5 2.0 HDI Eng. RHZ (DW10ATED) 1997 cc.											

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
0220-55 9456001351	G3167 G3168 G3169	IN/EX	50	8.02	14.06 14.11 14.16	B	L
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
220081	G3513 G11026	IN/EX	54.5	8.01	13.06 13.12	B	C.I.
0220.A2	G11319 G11320	IN/EX	41.5	6	10.06 10.11	G	L
	GS11319	IN/EX	41.5	6	10.06	SM	L
0220.A2	G11319 G11320	IN/EX	41.5	6	10.06 10.11	G	L
	GS11319	IN/EX	41.5	6	10.06	SM	L
0220.A1	G11396 G11397	IN/EX	42.5	6	12.06 12.11	G	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
0942.25	PI 06-0017	I
9638075480	PI 06-0019	I
9638075480	PI 06-0019	I


**NOTE
remarks**
CITROËN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2001	4	C5 2.0 HDI 16V Evasion 2.0 HDI 16V Eng. RHS-RHW Eng. DW10ATED4 FAP	85	0948.C0 0949.A9	IN EX	6161 6162	S/CR BM/CR	29.9 25	6 6	106.2 106.1	I I	45° 45°
2001		Jumpy 2.0 HDI 16V Eng. RHS Eng. DW10ATED4 FAP										
2002		C8 2.0 HDI 16V Eng. RHM-RHS-RHE Eng. DW10ATED4 FAP										
		1997 cc.										
2004	4	C4 2.0 HDI 16V C5 2.0 HDI 16V Eng. RHR(DW10BTED4)	85	0948.A3 0949.A3	IN EX	6163 6164	S/CR BM/CR	29.8 25	6 6	105 105	I I	45° 45°
2001	4	C5 2.2 HDI 16V	85	0948.A3	IN	6163	S/CR	29.8	6	105	I	45°
2002		C8 2.2 HDI 16V Eng. 4HX-4HW Eng. DW12TED4 FAP		0949.A3	EX	6164	BM/CR	25	6	105	I	45°
		2179 cc.										
1975/78	4	CX 2500 D Eng. M22/621	90	5478734G 5457479	IN EX	3517 3518	S/CR BM/CR	42 35	8 9	121.5 121.5	I I	45° 45°
		2175 cc.										
1995	4	XM TD 2.5 12V VSX Eng. DK5-ATE Turbo	92	96095457 96304239 96096146	IN EX	4944 4945	S/CR R/CR	36.9 36.9	7 7	127.9 127.5	I I	45° 45°
		2446 c.c.										
1994	4	Jumper 2.5 D 12V Eng. T9A-DJ5	92	96095457 96304239 96096146	IN EX	4944 4945	S/CR R/CR	36.9 36.9	7 7	127.9 127.5	I I	45° 45°
		Jumper 2.5 TD 12V Eng. T8A-THZ-DJ5T										
		2446 cc.										
1996/02	4	Jumper 2.5 TD Eng. DJ5TED	92	0948.84 0949.90	IN EX	6151 6152	S/CR R/CR	41 37.8	7 7	115.7 115.5	I I	45° 45°
		2446 cc.										
1978	4	CX 2500 D CX 2500 D Familiare CX 2500 Prestige CX 25 RD-TRD Eng. M25/629	93	95569116 95569117	IN EX	4054 4055	S/CR BM/CR	42 35	8 9	121.4 121.4	I I	45° 45°
		Eng. M25/629										
1980	4	CX 2500 TD C 25 TD										
		2482 cc.										
2000	4	Jumper 2.8 HDI Eng. 8140.43S	94.4	0948.A2 0949.A0	IN EX	3989 4887	BM/NT BM/CR	41 36	8 8	120.7 122	EE EE	30° 45°
		2798 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
0220.A1	G11396	IN/EX	42.5	6	12.06	G	C.I.
	G11397				12.11		
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
0220.A1	G11396	IN/EX	42.5	6	12.06	G	C.I.
	G11397				12.11		
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
0220.A1	G11396	IN/EX	42.5	6	12.06	G	C.I.
	G11397				12.11		
0220.93	G3566	IN/EX	54	7.01	13.05	B	C.I.
	G11036				13.10		
0220.93	G3566	IN/EX	54	7.01	13.05	B	C.I.
	G11036				13.10		
	G11415	IN/EX	43.1	7,00	13.07	B	C.I.
	G11416				13.12		
	G2713	IN/EX	56	8.03	13.03	G	C.I.
	G2834				13.08		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0008	I
	PI 06-0008	I
	PI 06-0008	I
0942.25	PI 06-0017	I
0942.25	PI 06-0017	I
0942.33	PI 06-0016	I
	PI 03-101	M


NOTE
remarks

 PI 06-0008
Ball 7.9 mm

 PI 06-0008
Ball 7.9 mm

 PI 06-0008
Ball 7.9 mm

CITROËN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2004	4	Jumper 2.8 HDI Eng. 8140.43N 2798 cc.	94.4	0948.A2 0949.A0	IN EX	3989 4887	BM/NT BM/CR	41	8	120.7	EE	30°
								36	8	122	EE	45°

CUMMINS

	4	4B & 4BT Tutbo D 3.9 L	102	3920867	IN	4958	S/CR	45	8	129.2	EE	30°
				3920868	EX	4959	BM/CR	42	8	129	EE	45°
	6	6B & 6BT Turbo D 5.9 L	102	3802356								
	6	6C Series 8.3 L	114.05	3924492	IN	4956	S/CR	52	9.5	151	EE	30°
				3802275 3802463 3921444 3802085	EX	4957	BM/CR	46	9.5	151	EE	45°
	6	NH 180 - NH 195 L6	123.8	150288	IN	6022	BM	44.5	10.30	179	K	30°
				144911	EX	6022	BM	44.5	10.30	179	K	30°
	6	NH 230 - 230B - 250 NH 250 B-C-P NHC 250 - NHD 230 NHE 220 - 225 - 225B NHF 240 - 265 NHH 250 - NHCT NTCC 250S - 290 - 350 NT 270 - 280 - 300 NT 310 - 335 - 400 NTA 370 - 400 - 420 NTC 230 - 250 - 280 NTC 335 - 350 - 400 NTCC 400 - NTF 365 9640 cc.	139.7	135957	IN	6327	S	47.5	11.5	179.5	K	30°
				3000926 145701 3040830 145701	EX	4671	BM/AR/CR	47.5	11.5	179.5	K	30°
	6	NTA 380 14011 cc.	139.7	3040830	IN	4671	BM/AR/CR	47.5	11.5	179.5	K	30°
	V12	V - VT - VTA 23171 cc.		145701 3040830 145701	EX	4671	BM/AR/CR	47.5	11.5	179.5	K	30°
	37230	K Series KTA model. 5760 cc.	159	207241	IN	6328	S	56.4	12.6	191.8	M	30°
				3035110	EX	4750	BM/CR	56.4	12.6	191.8	M	30°

DACIA DIESEL

2005	4	Logan 1.5 DCI Eng. K9K.792 1461 cc.	76		IN	6185	S	33.5	6	100.95	I	45°
					EX	6186	BM	29	6	100.75	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1986	3	Tico - Matiz Eng. F8B - F8CV 796 cc.	68.5	12911-78B00-000	IN	4894	S/NT	35.7	5.5	110.5	S	45°	
				12915-78B00-222	EX	4895	R/NT	31.7	5.5	110.3	S	45°	
				11915A78B01-000									
2003	4	Matiz 1.0 i Eng. B10S 995 cc.	68.5	12911-78B00-000	IN	4894	S/NT	35.7	5.5	110.5	S	45°	
				12915-78B00-222	EX	4895	R/NT	31.7	5.5	110.3	S	45°	
				11915A78B01-000									
2002	4	Kalos 1.2 Eng. F12S3 1148 cc	68.5	94580146	IN	4894	S/NT	35.7	5.5	110.5	S	45°	
				96352793	EX	4895	R/NT	31.7	5.5	110.3	S	45°	
1996	4	Nexia 1.5 1498 c.	76.5	90215492	IN	6090	S/CR	38	7	101.7	E	45°	
				96098751	EX	6091	R/CR	31	7	101.7	E	45°	
1994	4	Espero 1.5 16V Nexia 1.5 16V Eng. A15MF 1498 cc.	76.5	96103129	IN	4986	S/CR	30.3	6	102.4	E	45°	
1995				96103130	EX	4987	R/CR	26	6	102	E	45°	
1997	4	Lanos 1.4 i 8V Eng. A13DM/13SMS 1349 cc.	76.5	96182934	IN	6094	S/CR	38	7	103.5	E	45°	
				96182933	EX	6095	R/CR	31	7	103.5	E	45°	
1997	4	Lanos 1.5 i 8V Eng. A15DM/15SMS 1498 cc.	76.5										
1997													
1997	4	Lanos 1.6 i 16V Nubira 1.6 i 16V	79	96182806	IN	6096	S/CR	30.3	6	102.5	E	45°	
				96182805	EX	6097	R/CR	26	6	102	E	45°	
2000	4	Tacuma 1.6 i 16V Eng. A16DMS 1598 cc.											
2002	4	Kalos 1.4 i 8V Eng. F14S3 1399 cc.	77.9	96335947	IN	6399	S/NT	38	6	104	I	45°	
				96335948	EX	6400	R/NT	31	6	104	I	45°	
2003 2004	4	Kalos 1.4 i 16V Lancetti 1.4 i 16V Eng. F14D5 1399 cc.	77.9	96376881	IN	6462	S/CR	28.5	6	101.6	S	45°	
				96440081									
				96376980	EX	6463	BM/CR	27.3	6	101.3	S	45°	
96440079													
1995	4	Espero 1.8 Eng. C18LE 1796 cc.	84.8	90220119	IN	4592	S/CR	41.8	7	103.8	E	45°	
				90323756	EX	4593	R/CR	36.5	7	103.6	E	45°	
1995	4	Espero 2.0 Eng. C20LE 1998 c.c.	86	90323757									
2000		Tacuma 1.8 SX Eng. F18N 1761 cc.	84.8	96230591	IN	6165	S/CR	38	6	101.3	I	45°	
				96230595	EX	6166	R/CR	31.4	6	101.1	I	45°	

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1999 1997	4	Nubira 2.0 i 16V Leganza 2.0 i 16V Eng. X20SED-C20SED 1998 cc.	86	90412277 641022 641325 90410813	IN EX	4649 4650	S/CR BM/CR	32 29	6 6	102.1 92.2	I I	45° 45°
2000	4	Tacuma 2.0 i 16V Eng. T20SED 1998 cc.										

DAEWOO - CHEVROLET DIESEL

2000	4	Truck Plus Eng. XUD9 - 162 1905 cc.	80	50054982 50060609	IN EX	4243 3988	S/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
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DAF

1969	6	Series 1600 - 1800 Eng. DF615 Series 1300-1500-1600 Eng. DTD/DT615 Turbo 6170 cc.	104.175	257263 517472 257265	IN EX	4560 4561	S/CR R/CR	42 39.3	8.7 8.6	141 140.8	EE EE	30° 30°
1989/93	6	Serie FA 2700 HS Eng. HS 825 TURBO 8250 cc.	118	394838 394839	IN EX	6401 6402	BM/CR BM/CR	50 45.5	10 10	157.9 157.9	S S	30° 30°
1992/98	6	Series FA 75.240/270/300 Eng. RS180/200/222 L/M 8650 cc. Turbo	118	394838 394839	IN EX	6401 6402	BM/CR BM/CR	50 45.5	10 10	157.9 157.9	S S	30° 30°
1969/76	6	Serie AT 2400 Eng. DKA - DKL 1160 Serie AT 2400 FA Eng. DKB 1160	130	267356 267357	IN EX	4511 4512	BM/CR BM/CR	55 48	11 11	152 150	EE EE	30° 30°
1973	6	Serie FA-FT 2600 Eng. DKT 1160 Series FA - FAT 2800 Eng. DKS 1160 Turbo 11630 cc.										
1973 1984/88	6 6	FA 2805 Eng. DKV 1160 Turbo FA - FAG 3305 Eng. DKX 1160 Ati Turbo 11630 cc.	130	266305 266306	IN EX	4513 4514	BM/CR BM/I/CR	54.9 50	11 11	175 175	EE EE	30° 30°
1988/91	6	Serie FA/FT 95.130 ATI Serie 95.350 ATI Serie 95.380 ATI Eng. WS225-WS259 Eng. WS 282 11630 cc.	130	1259989 1254382	IN EX	6218 6219	BM/CR BM/CR	54.7 49.8	11 11	175 175	S S	30° 30°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2004	6	XF 250 M4V Euro 2	130	1307654	IN	6220	S/CR	45.5	9	163.6	EE	30°
		XF 315 M4V Euro 2		1327029	EX	6221	BM/CR	42.5	9	158.7	EE	30°
1998	6	85 CF 24V	130	1342220	IN	6488	S/CR	45.5	9	163.7	EE	20°
		95 XF24 V Eng. XF Euro 2 / Euro 3 12580 cc.		1362696	EX	6489	BM/CR	42.5	9	158.6	EE	45°

DAIHATSU

1979	2	Cuore - Hijet Atrai	71.6	13711-87701	IN	4676	S/NT	36	7	101.6	EE	45°
		Wide Cab Eng. AB/CB 547 cc.		13715-87701	EX	4677	R/NT	33	7	101.6	EE	45°
1977	3	Charade 1000 Eng. CB 993 cc.	76									
2000	3	Cuore 1.0	72	13711-97205	IN	6226	S/NT	24.5	5	79.2	S	45°
		Eng. EJ-VE 12V 989 cc.		13715-97203	EX	6227	R/NT	20.1	5	79.8	S	45°
2000	4	Sirion 1.3 16V	72	13711-97401	IN	6228	S/NT	26	5	88.2	S	45°
		YRV 1.3 16V Eng. K3-VE 1298 cc.		13711-23030	EX	6229	R/NT	22.6	5	89.2	S	45°
1988	4	Charade 16V	76	13711-87103	IN	6224	S/NT	30	6.6	112.7	EE	45°
		Terios 16V Eng. HCE 1295 cc.		13711-87104	EX	6225	R/NT	26	6.6	114.5	EE	45°
1999	4	Feroza 16V Charade 16V Rocky 16V 1589 cc.		31715-87106								

DAIHATSU DIESEL

1983	3	Charade 1000 D	76	13711-87704	IN	4462	S/NT	35	7	105	EE	45°
		Eng. CL 993 cc.		13715-87703	EX	4463	R/NT	32	7	105	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11322	IN/EX	77	9	15.06	G	L
	G11322	IN/EX	77	9	15.06	G	L
11124-87701	G3173 G3358 G3359	IN/EX	50	6.99	12.06 12.11 12.16	G	L
550-610-301	G3174 G3360 G3361	IN/EX	45	6.99	12.06 12.11 12.16	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE remarks





DAF

DAIHATSU

DAIHATSU DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
FIAT												
1966	4	124 Berlina Eng. 124		4132069	IN	3175	S	34.5	8	99.5	M	45°
				4250799	IN	3310	S/CR	34.5	8	99.5	M	45°
				4147475	EX	3176	R	31	8	100	M	45°
1960/71	4	600 D Multipla 600 E - 750 Eng. 100 D 767 cc.	62	4132958	IN	1260	N	25.5	7	92.5	M	45°
				4064702	EX	1261	XB	23.5	7	92.5	M	45°
1968/73	4	850 Sport Coupè 127 I° Serie Eng. A112 903 cc.	65	4265695	IN	3252	S	29	7	95.5	EE	45°
				4274135 4259583	EX	3253	R	26	7	95.5	EE	45°
1974/82	4	127 L - CL - 127 Special 900 E - Fiorino Panda 45 Eng. A112 - 127 A 903 cc.	65	4265695	IN	3561	S/CR	29	7	95.5	EE	45°
				4266321	EX	3359	R/CR	26	7	95.5	I	45°
				4377979	EX	3551	R/CR	26	7	95.5	EE	45°
1986/90	4	Panda 45 - Panda 900 Uno 45 - Uno 45 S - ES 900 E - Fiorino Eng. 146.4 - M20.AA 903 cc. Panda 4X4 Eng. A112A 965 cc.	65	5959564 5959563 5973130	IN EX	3745 3746	S/CR R/CR	29 26	7 7	95.5 95.5	EE EE	45° 45°
			67.2									
1991/98 1992/00 1998/00	4	Cinquecento 900 Cinquecento 900 ie Panda 900 ie Seicento 900 ie Eng. 1170A1.046 Eng. 1170A1.000 899 cc.	65	46407749 5959564 5959563 5973130 7783841	IN EX	3745 3746	S/CR R/CR	29 26	7 7	95.5 95.5	EE EE	45° 45°
1985/92	4	Panda 750 Panda 750 L-CL -Super Panda 750 Young Eng. 156A Fire 769 cc.	65	7537668	IN	4176	S/CR	26.5	7	97	EE	45°
				7537667	EX	4177	R/CR	23.5	7	97	EE	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1985	4	Uno 45 Fire Eng. 156A2.000 999 cc. Panda 1000	70	5942727	IN	4168	S/CR	30.4	7	97.1	EE	45°
				7666228	EX	4169	R/CR	27.3	7	97.2	EE	45°
1986		Panda 1000 4x4 Eng. 156 A3.000 - Fire 999 cc.		5942728								
1986/89		Tipo 1.1 - Uno 60 1.1 Eng. 156A3.000 - Fire 1108 cc.		7666227								
1986		Panda 1.1ie Panda 1.1 ie 4x4 Eng. 160A3.000 - Fire 1108 cc.										
1993		Punto 55 1.1 - 6 Speed Punto 55 1.1S-SX-ED Eng. 176A6.000 1108 cc.										
1995	4	Panda 1.1 ie Eng. 176B2.000	70	7770334	IN	4686	S/CR	31.5	7	97.1	EE	45°
1995/04		Panda 1.1 ie Eng. 187A1.000		46436048								
1998	4	Up to eng. N. 2533527 Seicento 1.1 ie Eng. 176B2.000 Eng. 187A1.000 Up to eng. N. 2543170 1108 cc.		5942728	EX	4169	R/CR	27.3	7	97.2	EE	45°
				7666227								
				46514754								
				46553047								
2004	4	Panda 1.1 ie Eng. 187A1.000	70	55194993	IN	6411	S/CR	31.9	5	98.4	I	45°
2004	4	From eng. N. 2533528 Seicento 1.1 ie Eng. 187A1.000 From eng. N.2543171 1108 cc.		55194994	EX	6412	BM/CR	27.3	5	98.7	I	45°
1993	4	Punto 60 1.2 S - SX Eng. 176A6.000 1242 cc.	70.8	5942727	IN	4168	S/CR	30.4	7	97.1	EE	45°
				7666228								
				5942728	EX	4169	R/CR	27.3	7	97.2	EE	45°
				7666227								

GUIDAVALVOLE VALVE GUIDES							
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I
	GS2196	IN/EX	42.5	7.03	13.04	SM	C.I
7765039 7780108	G3554 G3586	IN/EX	40.4	7.03	13.04 13.07	G	C.I.
	GS3554	IN/EX	40.4	7.03	13.04	SM	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I
55190559	G11425 G11426	IN/EX	44	5.00	10.03 10.08	G	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I





PUNTERIE LIFTERS		
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
5942273 60503405 60816361	PI 03-105	M
5942273 60503405 60816361	PI 03-105	M
55200250	PI 03-110	M
5942273 60503405 60816361	PI 03-105	M

NOTE remarks

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1993	4	Punto 75S - SX - Punto 75EL - ELX Eng. 176A8.000 1242 cc.	70.8	7770334 46436048 5942728 7666227	IN EX	4686 4169	S/CR R/CR	31.5 27.3	7 7	97.1 97.2	EE EE	45° 45°
2003	4	Nuova Panda 1.2 8V Eng. 188A4.000 Up to Eng. N. 2533527 1242 cc.		46514754								
2001/03	4	Doblò 1.2 ie Eng. 22A5.000 Up to Eng. N. 2533527 1242 cc.										
2004	4	Panda 1.2 ie	70.8	55194993	IN	6411	S/CR	31.9	5	98.4	I	45°
2004	4	Punto 1.2 ie Eng. 188A4.000 From eng. N. 2533528 1242 cc.		55194994	EX	6412	BM/CR	27.3	5	98.7	I	45°
2004	4	Doblò 1.2 ie Eng. 22A5.000 From eng. N. 2533528 1242 cc.										
1998	4	Brava 1.2 ie 16V	70.8	46403681	IN	4876	S/CR	26.8	6	95	I	45°
1998	4	Bravo 1.2 ie 16V		46553048								
1999	4	Marea 1.2 ie 16V		46471639	EX	4877	R/CR	22.4	6	96.2	I	45°
2002/04	4	Palio 1.2 ie 16V		46553049								
1997/99	4	Punto 1.2 ie 16V										
2001	4	Stilo 1.2 ie 16V Eng. 182B2.000 Eng. 188A5.000 Eng. 176B9.000 1242 cc.										
2004	4	Idea 1.2 ie 16V	70.8	46403681	IN	4876	S/CR	26.8	6	95	I	45°
1999/04	4	Punto 1.2 ie 16V Eng. 188A5.000 Up to eng. N. 985540 1242 cc.		46553048 46471639 46553049	EX	4877	R/CR	22.4	6	96.2	I	45°
2004	4	Idea 1.2 ie 16V Eng. 188A5.000 From eng. N. 985541 1242 cc.	70.8	55185028 55185080	IN EX	6506 6507	S/CR R/CR	26.8 22.5	6 6	95.2 94.7	I I	45° 45°
2006	4	Grande Punto 1.2 ie Eng. 199A4.000 1242 cc.	70.8	55194219 55200422	IN EX	6502 6503	S/CR BM/CR	33.3 28.1	5 5	99.9 100.5	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape				
			L	d	D						
4265699 4372331	G2196	IN/EX	42.5	7.03	13.04	G	C.I.				
	G2197				13.09						
7765039 7780108	GS2196	IN/EX	42.5	7.03	13.04	SM	C.I.				
	G3554	IN/EX			40.4			7.03	13.04	G	C.I.
	G3586								13.07		
	GS3554	IN/EX	40.4	7.03	13.04	SM	C.I.				
55190559	G11425 G11426	IN/EX	44	5.00	10.03 10.08	G	C.I.				
46518800	G11069	IN/EX	39.7	6.02	10.03	G	C.I.				
	G11070 G11071				10.07 10.24						
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.				
46518800	G11069	IN/EX	39.7	6.02	10.03	G	C.I.				
	G11070 G11071				10.07 10.24						
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.				
73500256	G11069	IN/EX	39.7	6.02	10.03	G	C.I.				
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.				
55190559	G11425 G11426	IN/EX	44	5.00	10.03 10.08	G	C.I.				





**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
5942273 60503405 60816361	PI 03-105	M
55200250	PI 03-110	M
46448011 46765629	PI 06-0002	I
46448011 46765629	PI 06-0002	I
55193839	PI 06-0033	I
55202354	PI 03-110	M


**NOTE
remarks**
FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2004 2003/04 2004	4	Idea 1.4 ie 16V Punto 1.4 ie 16V Stilo 1.4 ie 16V Eng. 843A1.000 Eng. 192B2.000 Up to eng. N. 984712 1368 cc.	72	46403681 46471639	IN EX	4876 4877	S/CR R/CR	26.8 22.4	6 6	95 96.2	I I	45° 45°
2005	4	Idea 1.4 ie 8V Doblò 1.4 ie 8V Eng. 350A1.000 1368 cc.	72	55194219 55200422	IN EX	6502 6503	S/CR BM/CR	33.3 28.1	5 5	99.9 100.5	I I	45° 45°
2005	4	Idea 1.4 ie 16V Stilo 1.4 ie 16V Eng. 843A1.000 Eng. 192B2.000 From eng. N. 984713 1368 cc.	72	55185028 55185080	IN EX	6506 6507	S/CR R/CR	26.8 22.5	6 6	95.2 94.7	I I	45° 45°
2006	4	Grande Punto 1.4 ie Eng. 199A7.000 1368 cc.	72	55194219 55200422	IN EX	6502 6503	S/CR BM/CR	33.3 28.1	5 5	99.9 100.5	I I	45° 45°
2006	4	Grande Punto 1.4 ie 16V Eng. 199A6.000 1368 cc.	72	55185028 55185080	IN EX	6506 6507	S/CR R/CR	26.8 22.5	6 6	95.2 94.7	I I	45° 45°
1966/74	4	124 - 238 Furgone Eng. 124FA 1197 cc.	73	4376861 4376862	IN EX	3552 3553	S/CR R/CR	34.5 31	8 8	100.5 101	EE EE	45° 45°
1972/75	2	500 R - 126 Eng. 126A 594 cc.	73.5	4062108 4294099	IN EX EX	1430 3435 3436	N R R/CR	32 28 28	8 8 8	115.5 115.5 115.5	D I I	45° 45° 45°
1967	2	500 D Giardiniera 500 D - F- L Eng. 110 D/F 499 - 594 cc.	97.4 73.5	4062108 4094941 4146638 4374855	IN EX	1430 3243	N R	32 28	8 8	115.5 115.5	D D	45° 45°
	2	500 D 2mm. oversized head	70		IN EX	3275 3276	N R	34 30	8 8	115.5 116.5	D D	45° 45°
1977	4	127 C - CL 127 L - Fiorino 127 Panorama 147 Eng. 127A.000 1049 cc.	76	4340118 4340119	IN EX	3528 3530 3529 3531	S/CR S R/CR R	34 34 29 29	8 8 8 8	110.5 110.5 110.5 110.5	EE EE EE EE	45° 45° 45° 45°
1976 1978/81	4 4	131 Mirafiori OHV 1297 cc. 131 L - CL - 1301 cc.	76 76.1	4376861 4376862	IN EX	3552 3553	S/CR R/CR	34.5 31	8 8	100.5 101	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
46518800	G11069 G11070 G11071	IN/EX	39.7	6.02	10.03	G	C.I.
		10.07					
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.
55190559	G11425 G11426	IN/EX	44	5.00	10.03	G	C.I.
		10.08					
	G11440*	IN/EX	44	5.00	10.03	B	C.I.
73500256	G11069 G11070 G11071	IN/EX	39.7	6.02	10.03	G	C.I.
		10.07					
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.
55190559	G11425 G11426	IN/EX	44	5.00	10.03	G	C.I.
		10.08					
73500256	G11069 GS11069	IN/EX IN/EX	39.7 39.7	6.02 6.02	10.03 10.03	G SM	C.I. C.I.
4311899	G2188	IN/EX	59	8.03	14.07	G	L
4371545	G2189				14.12		
987064	G2169 G2170 G2171	IN/EX	58	8.03	13.07	B	L
		13.10					
					13.17		
4373602	G2251	IN/EX	46.5	8.03	15.06	G	C.I.
	4373603				15.11		
4250801	G2231	IN	42	8.03	14.06	G	C.I.
	4371508				14.11		
	4250803	EX			14.06		
	4372160				14.11		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46448011	PI 06-0002	I
46765629		
55202354	PI 03-110	M
55193839	PI 06-0033	I
55202354	PI 03-110	M
55193839	PI 06-0033	I

 NOTE
remarks

 *G11440
VERSIONE BRONZO

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1978	4	131 Supermirafiori 1301 cc.	76	82316779 82336458	IN EX	3480 3481	R/CR R/CR	37.5 34	8 8	107 107	EE EE	45° 45°
1978	4	127 Sport 70HP Ritmo 60L 1049 cc.	76	4412816 4412822 4340119	IN EX	3592 3529	S/CR R/CR	36.5 29	8 8	110 110.5	EE EE	45° 45°
1987 1988		Duna 60 Nuovo Fiorino Eng. 146A9.000 1116 cc.										
1988		Duna 70 Eng. 146A5.000 1301 cc.										
1978	2	126 - 650 Personal Eng. 126A 652 cc.	77	4379986	IN IN EX	3547 3548 3549	N N/CR R/CR	33 33 28	8 8 8	115.5 115.5 115.5	D D D	45° 45° 45°
		126 - Bis Eng. 126A2 704 cc.	80	4374855 5977214								
1980/86	2	Panda 30 L - CL -Super 126 FSM Eng. 141A000 652 cc.	77	5976236 4400640 4374855 5977214	IN EX	3600 3549	S/CR R/CR	34 28	8 8	115.5 115.5	D D	45° 45°
1967/68	4	125 Berlina Eng. 124 1592 cc.	78	4255694 4173747 4359309 5975341	IN EX EX	3241 3242 3563	R/CR R/CR R/CR	42 36 36.5	8 8 8	106.5 106 106	EE EE EE	45° 45° 45°
		125 Special 124 Spider Coupè OHC 1608 cc.	80									
1981/85	4	131 Mirafiori L - CL Eng. 131B7.000 1367 cc.	78	4415238 4415239	IN EX	3757 3758	S/CR R/CR	33.5 30.5	8 8	112 112.5	EE EE	45° 45°
2005	4	Stilo 1.6 ie PDA 16V Eng. 192B30 1598 cc.	79	55557862 71739797	IN EX	6366 6367	S/CR BM/CR	31,2 27.5	5 5	117,2 116.2	I I	45° 45°
1991	2	Cinquecento 700 ED Eng. 170A.000-A.046 Eng. 171A.000 704 cc.	80	7683521 7683522 7681975	IN EX	4595 4596	S/CR R/CR	35.3 27	8 8	115.8 116	D D	45° 45°
1974	4	132 GL -GLS 1592 cc.	80	4300760 4359309 5975341	IN EX	3453 3563	R/CR R/CR	42.5 36.5	8 8	106 106	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1968/71 1978/80 1980/86 1983/85 1978/85 1985/86	4	128 - 128 Special 128 Sport Eng. 128 Regata 60 - Ritmo 60 Eng. 138 Ritmo 50 CL Ritmo 60 L - CL Eng. 146 Nuova Ritmo E.S. Uno 55 Eng. 138 Uno 60 - UNO 60 S - SL Eng. 146 1116 cc.	80	4212771	IN	3281	N	36	8	108.5	EE	45°
				4239917	IN	3323	S/CR	36	8	108.5	EE	45°
				4190307	EX	3470	R	31	8	109	EE	45°
				4286929	EX	3441	BM/CR	31	8	109	EE	45°
				4315062	EX	3324	R/CR	31	8	109	EE	45°
1988 1989 1990	4	Tipo 1400 Eng. 160A1.000 Uno 70 ie Eng. 146C1.000 Tempra SX - SW Eng. 159A2.000 1372 cc.	80.5	7609772	IN	4252	S/CR	37.5	8	108.5	EE	45°
				4315062	EX	3324	R/CR	31	8	109	EE	45°
				4239918								
1985/89 1993	4	Uno ie Turbo Eng. 146A8.000/A8.046 Punto GT Turbo Eng. 176A4.000 Eng. 176B6.000 1372 cc.	80.5	7565812	IN	4170	R/CR	36	8	108	I	45°
				7574881	EX	4171	R/CR - R/AR/CR	33	8	109	I	45°
1999 1999/04 2001	4	Marea 1.6 ie 16V Palio 1.6 ie 16V Stilo 1.6 16V Eng. 182B6.000 103CV 1596 cc.	80.5	46761369								
				46517325								
				55192067	IN	6153	S/CR	30.4	7	102.5	EE	45°
				46761370	EX	6154	R/CR	29.8	7	102.5	EE	45°
1999/04 2001/04	4	Multipla 1.6 ie 16V Bipower/Blupower Eng. 182B6.000 103CV 1596 cc. Doblò 1.6 ie 16V Bipower/Natural Power Eng. 182B6.000 1596 cc.	80.5	46761369								
				55192067	IN	6153	S/CR	30.4	7	102.5	EE	45°
				46761370	EX	6154	R/CR	29.8	7	102.5	EE	45°
1995/96	4	Brava 1.4 ie S - SX - 12V Bravo 1.4 ie S - SX - 12V Eng. 182A3.000 Eng. 182A5.000 1370 cc.	82	7712114	IN	4778	S/CR	30.3	7	110.5	EE	45°
				46413334	EX	4779	R/CR	35.5	7	110.5	EE	45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2235 G2236 GS2235	IN/EX IN/EX	46.5	8.03	14.06 14.11 14.06	G SM	C.I. C.I.
5997546	G2243 G2244	IN/EX	46.5	8.03	14.06 14.11	B	C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007 GS2196 GS3531	IN EX IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08 13.04 13.03	G G SM SM	C.I. C.I. C.I. C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
7756897 7757052	G3531 G11007 GS3531	IN/EX IN/EX	42	7.02	13.03 13.08 13.03	G SM	C.I. C.I.

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
7778140 46411495	PI 06-0006	I

NOTE remarks

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1995	4	Barchetta 1.8 ie 16V Eng. 183A1.000 Eng. 188A6.000	82	7766564 7766565 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°
1995		Brava 1.8 ie 16V Bravo 1.8 ie 16V Eng. 182A2.000										
1993		Coupè 1.8 ie 16V Eng. 183A1.000										
1996		Marea 1.8 ie 16V Eng. 182A2.000										
1999		Punto 1.8 ie 16V Eng. 183A1.000 Eng. 188A6.000										
2001		Stilo 1.8 ie 16V Eng. 192A4.000 1747 cc.										
1995/97	5	Bravo 2.0 ie 20V	82	7735898	IN	4738	S/CR	30	7	113.1	I	45°
1996/98		Coupè 2.0 ie 20V		7735899	EX	4739	BM/CR	26	7	108,7	I	45°
1996/98		Marea 2.0 ie 20V Eng. 182A1.000										
1996		Coupè 2.0 ie Turbo 20V Eng. 175A3.000 1998 c.										
1998/00	5	Bravo 2.0 ie 20V Eng. 182B7.000	82	7766564 7766565 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°
1998		Coupè 2.0 ie 20V Eng. 182B3.000										
1999		Marea 2.0 ie 16V Eng. 182B7.000 Eng. 185A8.000 1998 cc.										
2006	4	Croma 1.8 ie 16V Eng. 939A4.000 1796 cc.	82	55557741 71744388	IN EX	6504 6505	S/CR BM/CR	31 27.5	5 5	114 113.2	I I	45° 45°
2001	5	Stilo 2.4 ie 20V Abarth Eng. 192A2.000 2446 cc.	83	7766564 7766565 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°
1996	4	Coupè 2.0 16V Eng. 836A3.000 1998 cc.	82	7722907 7650916	IN EX	4730 4731	R/CR R/AR/CR	34.4 28.3	7 7	128 125	EE EE	45° 45°
1974/76	4	131 Mirafiori 1595 cc.	84	4351237 4365783	IN EX	3467 3469	S/CR R/CR	34.5 33.7	8 8	100.5 101	M M	45° 45°
1976	4	131 Mirafiori OHV 1595 cc.	84	4376861 4376864	IN EX	3552 3554	S/CR R/CR	34.5 33.5	8 8	100.5 101	EE EE	45° 45°
1973/79		242 E Campagnola 2000 1995 cc.		5976805								

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	GS3531 GS3532	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	GS3531 GS3532	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	GS3531 GS3532	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
71739771	G13598 G13599	IN/EX	39	5	10.05 10.10	G	C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
4250801 4371508 4250803 4372160	G2231 G2232 G2265 G2266	IN EX	42 46.5	8.03 8.03	14.06 14.11 14.06 14.11	G G	C.I. C.I.





**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
4152447 60800018	PI 03-102	M

**NOTE
remarks**
FIAT





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1975 1978/83 1981/85	4	131 Super 131 Supermirafiori Eng. 31B1.000 132 Argenta Eng. 132D.000 1595 cc. 1975 1978/85 1981/85 131 Super 131 Supermirafiori Eng. 131C4.000 Argenta Eng. 132C3.000 1995 cc.	84	4255694 4359309 5975341	IN EX	3241 3563	R/CR R/CR	42 36.5	8 8	106.5 106	EE EE	45° 45°
1985	4	131 CL - Cromia CHT 1585 cc.	84	4426397 4394134 5975849	IN EX	3759 3760	S/CR R/CR	39.5 36.5	8 8	112 112.5	EE EE	45° 45°
1974	4	132 GLS 1756 cc.	84	4300760 4359309 5975341	IN EX	3453 3563	R/CR R/CR	42.5 36.5	8 8	106 106	EE EE	45° 45°
1986 1985 1985/86 1988	4	Ritmo 105 CV Eng. 149 A2.000 Ritno 105 TC Nuova Ritmo 105 TC Ritmo 100 S Tipo ie Eng. 138AR.000 1585 cc.	84	4440061 5975341 4469661	IN EX	3761 3762	S/CR R/CR	43.6 36.5	8 8	105 106	EE EE	45° 45°
1989/92	4	Tipo 1.8 ie 16V Eng. 160A5.000 1756 cc.	84	7474739 7958073 7574742	IN EX	4347 4348	R/CR R/AR/CR	34.5 28.5	7 7	128 126	EE EE	45° 45°
1990	4	Tipo 1.8 ie GT Tempra 1.8 ie SX Eng. 159A4.000 1756 cc. Tipo - Tempra 2.0 ie Eng. 159A6.046 1995 cc.	84	4440061 7597080	IN EX	4174 3563	R/CR R/CR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1986 1980 1981 1981 1986	4	Ritmo 100 S Eng. 149A4.000 1585 cc. Ritmo 130 TC Nuova Ritmo 130 TC Eng. 138AR2.000 Nuova Ritmo 125 TC Eng. 138AR1.000 Cromia CHT Eng. 154A1.000 1995 cc.	84	4440061 5975341	IN EX	4174 3563	R/CR R/CR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1985	4	Croma 2000 ie Turbo Eng. 154A2.000 Eng. 154C4.000/.046 1995 cc.	84	46406169 4440061 5953041	IN EX	4174 4175	R/CR R/CR - R/AR/CR	43.5 36	8 8	105.5 106	EE EE	45° 45°
1991/96	4	Croma 2.0 ie 16V 154E1.000	84	7474739 7722907	IN IN	4347 4730	R/CR R/CR	34.5 34.4	7 7	128 128	EE EE	45° 45°
1991/93		Tipo 2.0 ie 16V Eng. 160A8.046 Eng. 136A3.000 1995 cc.		7958073 7574742	EX	4348	R/AR/CR	28.5	7	126	EE	45°
1994	4	Coupè 2.0 ie 16V Eng. 836A3.000 1995 cc.	84	7722907 7650916	IN EX	4730 4731	R/CR R/AR/CR	34.4 28.3	7 7	128 125	EE EE	45° 45°
1994	4	Coupè 2.0 ie Turbo 16V Eng. 175A1.000 1995 cc.	84	7722907 7650916	IN EX	4730 4731	R/CR R/AR/CR	34.4 28.3	7 7	128 125	EE EE	45° 45°
1982	4	Ducato 10 Eng. XM7T Peugeot 1795 cc.	84	7910029730 7910028074	IN EX	3390 3391	N R	42.5 35.5	8 8	118.6 112.2	E E	30° 45°
1997	4	Ulysse 1.8 Eng. LFW-Peugeot 1762 cc.	85	9635317980 9153501980	IN EX	4292 4293	XB R/CR	41.5 34.5	8 8	108.5 108.5	E E	45° 45°
2000	4	Ulysse 2.0 16V Scudo 2.0 16V Eng. RFN-Peugeot 1997 cc.	85	9623950380 9636001780	IN EX	6113 6114	S R/CR	33.3 29	6 6	106.2 103.6	E E	45° 45°
1973	4	X 1/9	86	4212771	IN	3281	N	36	8	108.5	EE	45°
1974		128 Special Eng. 128AS.000 1290 cc.		4239917 4190307 4286929	IN EX EX	3323 3470 3441	S/CR R BM/CR	36 31 31	8 8 8	108.5 109 109	EE EE EE	45° 45° 45°
1978		Regata 70		4315062	EX	3324	R/CR	31	8	109	EE	45°
1981		Regata 75 Eng. 128A3.000		4239918 5973128								
1978		Ritmo 65 L - CL Eng. 138A1.000										
1978		Nuova Ritmo 70 Eng. 138B2.000										
1983		Ritmo 70 CL Eng. 149A7										
1981		Ritmo Super 75 Eng. 128A3.000										
1983		Uno 70 Eng. 138B2.000 1301 cc.										
1994	4	Ulysse 2.0 Eng. XU10J2CTE 1998 cc.	86	9605936180 9614703280	IN EX	4608 4609	S R/CR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250801 4371508 82399099	G2231 G2232 G2239 G2240	IN EX	42 42	8.03 8.03	14.06 14.11 14.06 14.11	G B	C.I. C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
	G2560 G2561	IN/EX	55	8.02	14.05 14.10	G	C.I.
	G3239 G3241	IN EX	38.7 45	8.01 8.01	13.06 13.07	B B	C.I. C.I.
	G11352 G11353	IN/EX	41	6	12.07 12.12	B	C.I.
4250803 4372160	G2265 G2266 GS2265	IN/EX IN/EX	46.5 46.5	8.03 8.03	14.06 14.11 14.06	G SM	C.I. C.I.
	G3340 G3341 G3344 G3345	IN EX	43.5 51	8.01 8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
	PI 06-0002	I


NOTE
remarks

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1994	4	Ulysse 2.0 Turbo Eng. RGX-Peugeot 1997 cc.	86	9605936180 9614703280	IN EX	4608 4609	S R/CR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1998/00	4	Ulysse 2.0 16V Eng. RFV -Peugeot 1997 cc.	86	9628943380 9629861180	IN EX	6112 6111	S R/CR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1978 1981/85 1989	4	Ritmo 75 L - CL Eng. 138A2.000 Ritmo Super 85 Eng. 138A4.000 Uno 75 Eng. M6505AA 1498 cc.	86.4	4460697 4239917 4319339 4403047 5973129	IN EX	3323 3594	S/CR R/CR	36 33.5	8 8	108.5 109	EE EE	45° 45°
1988 1989	4	Tipo DGT 1.6 Eng. 160A2.000 Tempra Eng. 159A3.000 1580cc.	86.4	7609772 4319339 4403047 5973129	IN EX	4252 3594	S/CR R/CR	37.5 33.5	8 8	108.5 109	EE EE	45° 45°
1989 1990 1993 1995	4	Fiorino 1.6 Tipo - Tempra 1.6 SX Punto 90 SX - ELX Punto Cabrio Eng. 176A9.000 1581 cc.	86.4	7617500 4315062 4239918 5973128	IN EX	4625 3324	S/CR R/CR	39.5 31	8 8	108.5 109	EE EE	45° 45°
1996	4	Scudo 1.6 ie Eng. 220A2.000 1581 cc.	86.4	46531591 5973128	IN EX	4252 3324	S/CR R/CR	37.5 31	8 8	108.5 109	EE EE	45° 45°
1995 1995 1996 1996	4	Brava 1.6 ie 16V Bravo 1.6 ie 16V Marea 1.6 ie 16V Marea 1.6 ie 16V BP Palio 1.6 ie 16V Eng. 182A4.000 Eng. 182A6.000 1581 cc. Until eng. N. 9911364	86.4	46413806 46462158 46413807 46462159	IN EX	4780 4781	S/CR R/CR	30.4 29.7	7 7	102.5 102.8	EE EE	45° 45°
1995 1995 1996 1996	4	Brava 1.6 ie 16V Bravo 1.6 ie 16V Marea 1.6 ie 16V Marea 1.6 ie 16V BP Palio 1.6 ie 16V Eng. 182A4.000 Eng. 182A6.000 1581 cc. From eng. N. 9911365	86.4	46761369 46517325 55192067 46761370 46451209 55196738	IN EX	6153 6154	S/CR R/CR	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3340 G3341 G3344	IN EX	43.5 51	8.01 8.01	13.07 13.12 13.07	B B	C.I. C.I.
	G11158 G11223 G11159	IN EX	41 41	5.98 5.99	12.07 12.12 12.07	B G	C.I. C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007 GS2196 GS3531	IN EX IN EX	42.5 42 42.5 42	7.03 7.02 7.03 7.02	13.04 13.09 13.03 13.08 13.04 13.03	G G SM SM	C.I. C.I. C.I. C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007 GS2196 GS3531	IN EX IN EX	42.5 42 42.5 42	7.03 7.02 7.03 7.02	13.04 13.09 13.03 13.08 13.04 13.03	G G SM SM	C.I. C.I. C.I. C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0007	I
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I







NOTE remarks

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1999	4	Multipla 1.6 ie 16V Bipower/Blupower Eng. 182A4.000 Eng. 186A3.000 Eng. 186A4.000 1581 cc.	86.4	46517325	IN	6153	S/CR	30.4	7	102.5	EE	45°
				46451209	EX	6154	R/CR	29.8	7	102.5	EE	45°
1986	4	Nuova Ritmo 85/85S Regata 85 Eng. 138B3.000 Ritmo 85 Eng. 149A5.000 1498 cc.	86.6	4460697	IN	3323	S/CR	36	8	108.5	EE	45°
				4239917	EX	3594	R/CR	33.5	8	109	EE	45°
				4319339								
				4403047								
5973129												
1982	4	Ducato 13 Furgone Eng. XN1T Peugeot 1971 cc.	88	7910029730	IN	3390	N	42.5	8	118.6	E	30°
				7910028074	EX	3391	R	35.5	8	112.2	E	45°
1993	6	Croma 2.5 V6 Eng. M612FA.25.C 2492 cc.	88	119280330001	IN	3961	R/CR	41	9	107.5	EE	45°
				119280330101	EX	3962	R/CR	36.5	9	94.5	EE	45°

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2003	4	Punto 1.3 MJT 16V Panda 1.3 MJT 16V Idea 1.3 MJT 16V Eng. 188A9.000 1248 cc.	69.6	55195680	IN	6304	S/CR	21.9	6	109.2	I	45°
				46518930		6305	BM/CR	21.9	6	109.2	I	45°
				46518931	EX							
2006	4	Grande Punto 1.3 MJT 16V Eng. 199A2.000 Eng. 199A3.000 1248 cc.	69.6	55195680	IN	6304	S/CR	21.9	6	109.2	I	45°
				46518930	EX	6305	BM/CR	21.9	6	109.2	I	45°
				46518931								
				55208213								
1981/87 1981/93	4	127 1.3 D Fiorino 1.3 D Eng. 127A5.000	76	4424173	IN	3637	R/CR	34	8	112	EE	45°
				4424174	EX	3638	R/CR	29	8	112	EE	45°
1986/89	4	Panda 1.3 D Eng. 156A5.000	76									
1983/92		Uno 45 1.3 D Eng. 146B1.000 1301 cc.										
1986	4	Uno 1.4 TD Eng. 146B6.000 Eng. 146B3.000 1367 cc.	78	7553000	IN	4195	R/CR	33	8	117	EE	45°
				7553004	EX	4196	R/CR	30	8	117	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
	GS2196 GS3531	IN EX	42.5 42	7.03 7.02	13.04 13.03	SM SM	C.I. C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
	G2560 G2561	IN/EX	55	8.02	14.05 14.10	G	C.I.
119130150302 60737369	G2042 G2043 G3122 G3123	IN EX	49 42.5	9 9	14.05 14.10 14.07 14.12	B G	C.I. C.I.
46816601 46816602	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L-X
	GS11310	IN/EX	43	6.02	10.03	SM	L-X
46816601 46816602	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L-X
	GS11310	IN/EX	43	6.02	10.03	SM	L-X
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.

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LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46465330 46787055	PI 06-0004	I
4152447 60800018	PI 03-102	M
46475925	PI 06-0019	I
46475925	PI 06-0019	I
4152447	PI 03-102	M
4152447	PI 03-102	M






 NOTE
remarks

FIAT

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.							
								D	d	L					
1996	4	Brava 1.9 TD Bravo 1.9 TD Marea 1.9 TD	82	7798620 46527855 7783225	IN EX	4740 4741	BM/CR BM/CR	37.5	8	114.5	I	45°			
1997		Marengo 1.9 TD Eng. 182A7.000 Eng. 182A8.000 1910 cc.		46527856							31	8	114.2	I	45°
2001		Doblò 1.9 D Doblò Cargo 1.9 D Eng. 223A6.000 1910 cc.													
2001	4	Palio 1.9 D Starda 1.9 D Eng. 223A6.000 Euro 3 1910 cc.													
1999		Punto 1.9 D Punto Van 1.9D Eng. 188A3.000 Euro 2 - 3 1910 cc.													
1996/98	5	Marea 2.4 TD Eng. 185A2.000 2387 cc.													
1998	4	Brava 1.9 JTD Eng. 182A7.000 Eng. 182A8.000	82	46478834 55193126 46416321	IN EX	4941 4943	BM/CR BM/CR	35.5	8	115.2	I	45°			
1998		Bravo 1.9 JTD Eng. 182B9.000 Eng. 182B4.000 Eng. 186A6.000		55202630 46783962							34.47	8	115.1	I	45°
1999		Marea 1.9 JTD Marengo 1.9 JTD Eng. 182B9.000 Eng. 182B4.000 Eng. 186A6.000													
2001		Doblò 1.9 JTD Doblò Cargo 1.9 JTD Eng. 182B9.000 Eng. 186A9.000													
2004		Idea 1.9 JTD Idea Van 1.9 JTD Eng. 188B2.000													
1999/03		Multipla 1.9 JTD Eng. 182B4.000 Eng. 186A6.000 Eng. 186A8.000 1910 cc.													

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7565472 46433782 46433783	G11000	IN/EX	43	8.02	14.03	G	C.I.
	G11018				14.06		
	G11019				14.11		
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
7565472 46433782 46433783	G11000	IN/EX	43	8.02	14.03	G	C.I.
	G11018				14.06		
	G11019				14.11		
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
41524470	PI 03-102	M
4152447	PI 03-102	M

NOTE remarks

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
2004		Multipla 1.9 JTD Eng. 186A9.000	82	46478834									
2002/04		Palio 1.9 JTD		55193126	IN	4941	BM/CR	35.5	8	115.2	I	45°	
1999		Punto 1.9 JTD		46416321	EX	4943	BM/CR	34.47	8	115.1	I	45°	
		Punto Van 1.9 JTD		55202630									
		Eng. 188A2.000		46783962									
		Eng. 188A7.000											
2003		Punto 1.9 JTD											
		Eng. 188B2.000											
2001		Stilo 1.9 MJT 8V											
		Eng. 192A8.000											
		Eng. 192B5.000											
		Eng. 192A1.000/A3.000											
2006		Grande Punto 1.9 MJT 8V											
2006		Croma 1.9 MJT 8V											
		Eng. 199A5.000											
		Eng. 939A1.000											
2006		Sedici 1.9 MJT 8V											
		Eng. D19AA											
		1910 cc.											
2004	4	Stilo 1.9 MJT 16V	82	55195535	IN	6203	S/CR	28	6	114.40	I	45°	
		Eng. 937A5.000		46802049	EX	6204	BM/CR	26	6	114.40	I	45°	
2006		Croma 1.9 MJT 16V		46787902									
		Eng. 939A1.000		55190249									
		1910 cc.											
07/2006	4	Stilo 1.9 MJT 16V	82	55206431	IN	6387	S/CR	28	5	114.4	I	45°	
		Eng. 937A5.000		55205183	EX	6388	BM/CR	24.5	5	114.4	I	45°	
		Croma 1.9 MJT 16V											
		Eng. 939A1.000											
		1910 cc.											
1999	5	Marea 2.4 TD	82	55193126	IN	4941	BM/CR	35.5	8	115.2	I	45°	
		Eng. 185A6.000		46783962	EX	4943	BM/CR	34.47	8	115.1	I	45°	
		2387 cc.											
2006	5	Croma MJT 20V	82	55195535	IN	6203	S/CR	28	6	114.40	I	45°	
		Eng. 939A3.000		46802049	EX	6204	BM/CR	26	6	114.40	I	45°	
		2387 cc.		46787902									
				55190249									
07/2006	5	Croma MJT 20V	82	55206431	IN	6387	S/CR	28	5	114.4	I	45°	
		Eng. 939A3.000		55205183	EX	6388	BM/CR	24.5	5	114.4	I	45°	
		2387 cc.											
1998	4	Scudo 1.9 D	82.2	9630597380	EX	4243	S/CR	38.5	8	112.4	E	45°	
		Eng. WJY-WJZ-DW8		96272853	EX	3988	R/CR	33	8	112	E	45°	
		1868 cc.		9613736280									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7565472 46433782 46433783	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
55186786	G11302 G11303	IN/EX	47	6.02	11.03 11.06	G	C.I.
7565472 46433782 46433783	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
55186786	G11302 G11303	IN/EX	47	6.02	11.03 11.06	G	C.I.
	G3163	IN/EX	52	8.02	14.05	B	L
	G3528	IN/EX	48	8.02	14.05	B	C.I.

**PUNTERIE
LIFTERS**



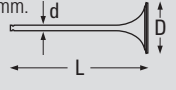



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
46475925	PI 06-0019	I
46475925	PI 06-0019	I
4152447	PI 03-102	M
46475925	PI 06-0019	I
46475925	PI 06-0019	I

 NOTE
remarks

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm. 						
								D	d	L				
1987/91	4	Duna 1.7 D Eng. 160A7.000	82.6	5990532	IN	3953	S/CR	37.5	8	117	EE	45°		
1986/89		Regata 1.7 D		5990533	EX	3954	R/CR	33.5	8	117	EE	45°		
1986/88		Ritmo 1.7 D												
1989/92		Uno 60 D												
1988/91		Uno Van 1.7 D Eng. 149B3.000												
1988/96		Tipo 1.7 D Eng. 149B4.00												
1992/94		Uno 1.7 D												
1988		Fiorino 1.7 D												
1992/94		Uno Van 1.7 D Eng. 146B2.000 Eng. 149B3.000 Eng. 149B4.046												
		1697 cc.												
1994/98		Palio 60 1.7 D												
1993/96		Punto 1.7 D												
1993/96		Punto Van 1.7 d Eng. 176B3.000												
		1698 cc.												
1995/97		Brava 1.9 D Bravo 1.9 D		82.6	5990532	IN	3953	S/CR	37.5	8	117	EE	45°	
1990/96		Tempra 1.9 D			5990533	EX	3954	R/CR	33.5	8	117	EE	45°	
1990/96		Tipo 1.9 D												
1990/97		Marengo 1.9 D Eng. 160A7.000												
1984/90		Regata 1.9 D Eng. 149A1.000												
1989/94		Uno 1.9 D Eng. 149B5.046												
1987/94		Ducato 1.9 D Eng. 149B1.000												
1989/94		Talento 1.9 D												
1994/01		Ducato 1.9 D Eng. 230A2.000												
		1929 cc.												
1996/01	4	Palio 70 1.7 TD	82.6		7547158	IN	4627	R/CR	37.5	8	116.5	EE	45°	
1993/99		Punto 1.7 TD			7588577	EX	4626	R/CR	33.5	8	116.5	EE	45°	
1993/99		Punto Van 1.7 TD												
1999		Srada 1.7 TD Eng. 176A3.000 Eng. 176A5.000 Eng. 176B7.000												
		1698 cc.												
1997		Fiorino 1.7 TD Eng. 146D7.000												
		1697 cc.												

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4354245 4471271	G2828 G2279	IN/EX	59.5	8.03	15.03 15.08	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
4354245 4471271	G2828 G2279	IN/EX	59.5	8.03	15.03 15.08	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M

NOTE remarks

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1986/90		Regata 1.9 TD	82.6	7547158	IN	4627	R/CR	37.5	8	116.5	EE	45°
1986/88		Rtmo 1.9 TD		7588577	EX	4626	R/CR	33.5	8	116.5	EE	45°
		Eng. 1831D1.000										
1990/97		Tempra 1.9 TD										
1990/96		Tipo 1.9 TD										
1990/97		Marengo 1.9 TD										
		Eng. 160A6.000/A6.046										
		Eng. 160B6.000										
		Eng. 160D1.000										
1989/94		Ducato 1.9 TD										
		Eng. 280A1.000										
1994		Ducato 1.9 TD										
		Eng. 230A4.000										
		Eng. 230A3.000										
		1929 cc.										
1989/96	4	Croma 1.9 TD ie	82.6	7597566	IN	4392	S/CR	36.5	8	114	EE	45°
		Eng. 154B.000		7597565	EX	4393	R/CR	33.5	8	114	EE	45°
		Eng. 154C6.000										
		Eng. 154D1.000										
		1929 cc.										
1980/85	4	Ritmo D L - CL	83	4368843	IN	3609	S/CR	38.5	8	126	EE	45°
		Nuova Ritmo D		4368845	EX	3610	R/CR	33.5	8	126	EE	45°
		Regata D		5996615								
		Eng. 138B6.000										
		1714 cc.										
1995	4	Ulysse 1.9 TD	83	9601136380	IN	4883	R/CR	38.5	8	112.4	E	45°
1995		Ducato 1.9TD		96272853	EX	3988	R/CR	33	8	112	E	45°
1996		Scudo 1.9 TD		9613736280								
		Eng. DHX-D8B										
		1905 cc.										
1996/98	4	Scudo 1.9 D	83	9630597380	EX	4243	S/CR	38.5	8	112.4	E	45°
		Eng. D9B		96272853	EX	3988	R/CR	33	8	112	E	45°
		1905 cc.		9613736280								
1999	4	Ulysse 2.0 JTD	85	9624774280	IN	6092	S/CR	35.6	6	107.1	I	45°
1999		Ducato 2.0 JTD		9624774580	EX	6093	BM/CR	33.8	6	107.1	I	45°
1999		Scudo 2.0 JTD										
		Eng. RHZ-RHX										
		1998 cc.										
1996	4	Ulysse 2.1 TD 12V	85	0948.68	IN	4623	S/CR	33.9	8	122.3	I	45°
		Eng. XUD11BTE-Turbo		0949.68	EX	4624	BM/AR/CR	33.9	8	121.9	I	45°
		2088 cc.										
2000	4	Ulysse 2.0 JTD 16V	85	9635317980	IN	6161	S/CR	29.9	6	106.2	I	45°
2001		Scudo 2.0JTD 16V		9635318480	EX	6162	BM/CR	25	6	106.1	I	45°
		Eng. RHM-RHW										
		1997 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
	G2266				14.11		
	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
4250803 4372160	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
	G2266				14.11		
	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
4250803 4372160	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
	G2266				14.11		
	G3528	IN/EX	48	8.02	14.05	B	C.I.
	G11025				14.10		
	G3163	IN/EX	48	8.02	14.05	B	L
	G3528	IN/EX			14.05		C.I.
9640340380	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
	G11396	IN/EX	42.5	6	12.06	G	C.I.
G11397		12.11					
	G3513	IN/EX	54.5	8.01	13.06	B	C.I.
	G11026				13.12		
9640340380	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
	G11396	IN/EX	42.5	6	12.06	G	C.I.
G11397		12.11					

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M
9638075480	PI 06-0019	I
9301337280	PI 06-0017	I
	PI 06-0008	I

 NOTE
remarks

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2001	4	Ulysse 2.2 JTD Eng. 4HW 2179 cc.	85	9627184380	IN	6163	S/CR	29.8	6	105	I	45°
				9634437580	EX	6164	BM/CR	25	6	105	I	45°
2006	4	Ducato 2.2 JTD Eng. 4HV 2198 cc.	86	9660035980	IN	6508	S/CR	29.8	7	122.3	I	30°
				9660640080	EX	6509	R/CR	25.8	7	122.1	I	45°
1974/81	4	242 D Eng. B22.615 2175 cc. 242 E Eng. B25.637 2499 cc.	90 93	5471746	IN	3517	S/CR	42	8	121.5	I	45°
				5414239	EX	3518	BM/CR	35	9	121.5	I	45°
2006	4	Ducato 2.3 JTD 16V Eng. F1AE481B 2287 cc.	88	504069199	IN	6339	S/CR	30	6	120.4	I	45°
				500362856	EX	6340	BM/CR	30	6	120.35	I	45°
1978/83	4	131 D - 132 D Eng. 8144.65 1995 cc. 131 D - Campagnola Eng. 8142.61 132 D - Argenta D Eng. 8144.61 Ducato Eng. 8144.65 2445 cc.	88	4733348	IN	4504	BM/NT	40.9	8	121.9	EE	30°
				4741915	IN	3596	BM/NT	41	8	122	EE	45°
				4757358	IN	3642	BM/NT	41	8	120.9	EE	30°
			93	4754990	IN	3645	BM/NT	41	8	121	EE	45°
				4733349	EX	3597	BM/NT	32.9	8	122	EE	45°
1983/84	4	131 Supermirafiori D Nuova Argenta D Ducato D Eng. 8144.61 2445 cc.	93	7301820	IN	3989	R/NT - BM/NT	41	8	120.7	EE	30°
				7301821	EX	3990	R/CR - BM/CR	34.5	8	122	EE	45°
				4826033								
1983/86	4	2445 cc. Argenta TD Eng. 8144.81 Turbo Croma TD Eng. 8144.91 Turbo 2445 cc.	93	7302157	EX	3991	R/CR - BM/CR	34.5	8	122	EE	45°
1986	4	Ducato TD Eng. 8144.21id - Turbo 2445 cc.										
1986/86	4	Argenta D - Croma D Ducato D Eng. 8144.67 2499 cc.	93									
1991	4	Croma TD Eng. 8144.97 Turbo 2499 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11319 G11320 GS11319	IN/EX	41.5	6	10.06 10.11 10.06	G SM	L L
5414143 5414141	G2273 G2274 G2276 G2277	IN EX	54 57	8 8.98	13.07 13.12 13.07 13.12	G G	C.I. C.I.
500388426 504053804	G11388 G11389 G11390 G11391	IN/EX	49	6	10.05 10.10 10.15 10.20	G	L
4749395 4749397 4726483 4733258	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
4749395 4749397 4726483 4733258	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9638075480	PI 06-0008	I
	PI 06-0008	I
4733350	PI 03-101	M
4733350	PI 03-101	M



NOTE remarks

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1994	4	Ducato 2.5 JTD Eng. 8140.47R-8140.47 2445 cc.	93	7301820 4826033	IN	3989	R/NT - BM/NT	41	8	120.7	EE	30°
					EX	3990	R/CR - BM/CR	34.5	8	122	EE	45°
1996	4	Ducato 2.8 D Eng. 8140.63 2798 cc.	94.4	98468338 99432837	IN	4762	BM/CR	43.5	8	122	EE	45°
					EX	4887	BM/CR	36	8	122	EE	45°
1996	4	Ducato 2.8 TD id Eng. 8140.43 2798 cc.	94.4	7301820 99432837	IN	3989	R/NT - BM/NT	41	8	120.7	EE	30°
					EX	4887	BM/CR	36	8	122	EE	45°
2000	4	Ducato 2.8 JTD Eng. 8140.43S 2798 cc.	94,4	7301820 99432837	IN	3989	R/NT - BM/NT	41	8	120.7	EE	30°
					EX	4887	BM/CR	36	8	122	EE	45°
2006	4	Ducato 3.0 JTD 16V Eng. F1CE0481A 2998 cc.	95.8	504072531 504081062	IN	6368	S/CR	32.4	6	120	I	30°
					EX	6369	BM/CR	32.4	6	119.95	I	30°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4749395 4749397	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
500388426 504053804	G11388 G11389 G11390 G11391	IN/EX	49	6	10.05 10.10 10.15 10.20	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M



NOTE remarks

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		

FIAT AGRI - NEW HOLLAND

	4	311 C - 312 R Eng. 305		813614 866321	IN EX	418 907	N XB	36 31	9 9	120 120	P P	45° 45°
	4	25 C - 25 R Eng. 305 D 1901 cc.	82	4550815 4550816	IN EX	1439 1460	XB/NT R/NT	38.5 32.5	9 9	119.5 119.5	E E	45° 45°
	2	La Piccola - 211 - 215 221 - 231 - 241 - 251 Eng. 614.010 1134 cc.	85	561286 564757 4579416 4579417	IN EX IN EX	1618 1620 3451 3452	N XB S/NT R/NT	40 34.5 39.5 34.5	9 9 9 9	131 131 131 131	O O O O	45° 45° 45° 45°
	4	410 - 411 - 415 - 421 - 431 - 451 Eng. 615.000 2270 cc.										
	2	250 - 255 - 30 - 300 Eng. 8025.01 1599 cc.	95	4802200 4621511 4673608	IN/D EX	3479 3440	N/NT R/NT - BM/NT	44 37	8 8	126 125.5	E E	45° 45°
	3	350 - 355 - 400 - 420 450 - 455C - 460 - 470 480										
	4	Eng. 8035.01 2338 cc.		Spessore testa maggiorato 1 mm	IN/D EX	4100 4101	N/NT R/NT	44 37	8 8	126 125.5	E E	45° 45°
	4	550 - 555 Eng. 8045.01 3119 cc.										
	2	300 - 350 - 355C Eng. 8025.02 1728 cc.	100									
	3	440 - 446 - 450 - 455 465 - 466 - 474 - 480 500 - 505 - 540 Eng. 8035.02 2592 cc.										
	4	600 - 605 - 640 - 665 666 - 670 - 680 80.66/.70 Eng. 8045.02 3455 cc.										
	6	980 - 1000 Eng. 8065.02 5184 cc.										

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4601299 4601300	G2295 G2296 G2297 G2852	IN/EX	49	8.03	14.03 14.08 14.13 14.23	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	PI 03-106	M



NOTE remarks

FIAT AGRI - NEW HOLLAND

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.										
								D	d	L								
	3	505 C - 565 C - 570 580 Eng. 8035.04 2748 cc.	103	4802200	IN/D	3479	N/NT	44	8	126	E	45°						
				4621511														
				4673608	EX	3440	R/NT - BM/NT	37	8	125.5	E	45°						
	4	765 C - 766 - 780 - 855 Eng. 8045.04 3666 cc.		Spessore testa maggiorato 1 mm	IN/D	4100	N/NT	44	8	126	E	45°						
					EX	4101	R/NT	37	8	125.5	E	45°						
	5	880/5 - 90 - 90.90/.55 955 C Eng. 8055.04 4583 cc.																
6	1000 S - 1180 Eng. 8065.04 5499 cc.																	
	3	45.66/.76 - 50.66/.86 55.46/.56/.65/.66/.75 55.76/.86/.90 60.86 Eng. 8035.06 2710 cc.	100	99432652	IN	4232	S/NT	45.5	8	125.5	E	30°						
				1904656														
				4824416														
				4784888														
				4803805														
				4824417														
	4	65.46/.56/.66/.88/.90 65.93/.94 70.56/.65/.66/.75/.76 70.86/.88/.90 72.93/.94 Eng. 8045.06 3613 cc.		EX	99432717	4233	R/NT - BM/NT	37.5	8	125.5	E	45°						
					99432718													
					4784889													
					4784890													
					1904655													
					1904654													
		4806717																
6	100 S - 100.90 Eng. 8065.06 5420 cc.																	

**GUIDAVALVOLE
VALVE GUIDES**

**PUNTERIE
LIFTERS**



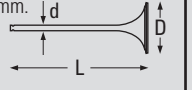



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4601299 4601300	G2295 G2296 G2297 G2852	IN/EX	49	8.03	14.03 14.08 14.13 14.23	G	L
4601299 4601300	G2295 G2296 G2297 G2852	IN/EX	49	8.03	14.03 14.08 14.13 14.23	G	L

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	PI 03-106	M
98471524	PI 03-106	M

NOTE remarks

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm. 				
								D	d	L		
	3	60 - 60.46/.56/.65/.66 60.75/.76/.85/.86/.88 60.90/.93/.94 62 - 62.85/.86 Eng. 8035.05 2930 cc.	104	99432652 1904656 4824416 4784888 4803805 4824417	IN	4232	S/NT	45.5	8	125.5	E	30°
	4	80 - 80.55/.65/.66/.75 80.76/.88/.90 82 - 82.85/.86/.93/.94 Eng. 8045.05 3908 cc. 85.90 - 88 C - 88.85/.93 88.94 - A90 Eng. 8045.25 Turbo 3908 cc.		99432717 99432718 4784889 4784890 1904655 4806717	EX	4233	R/NT - BM/NT	37.5	8	125.5	E	45°
	5	90 - 90.90 - 95.55 Eng. 8055.05 4885 cc.										
	6	110 - 110.90 - 115.90 F100 - F110 - F115 - F120 Eng. 8065.05 5862 cc. 130.90 - 140 - 140.90 F130 - F140 Eng. 8065.25 Turbo 5868 cc.										
	6	1280 - 1380 Eng. 8065.24 Turbo 5500 cc.	103	4802204 4658055	IN/D EX	4540 4541	N/NT BM/NT	44.5 37	8 8	125.6 125.7	E E	30° 45°
1972	4	513 - 516 - 615 - 715 Eng. CO2D 4397 cc.	108	8806875 8806876	IN/D EX	1490 1491	S S	41 36	8 8	171 171	M M	45° 45°
	3	650 S - 655 - 655 C Eng. CN3 3706 cc.	110	8823545 8823544 8823549	IN/D EX EX	3329 3330 3331	N/NT S/NT BM/NT	43 36.5 36.5	8 8 8	138 138 138	E E E	45° 45° 45°
	4	750 - 805 C - 880 Eng. CO3 4562 cc. 850 - 850 Super - 880 Eng. CO3/70 4941 cc.										
	6	100 C - 120 C - 1300 Eng. CP3 7412 cc.										

**GUIDAVALVOLE
VALVE GUIDES**

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4601299	G2295 G2296 G2297 G2852	IN/EX	49	8.03	14.03	G	L
					14.08		
					14.13		
4601300					14.23		
4601299	G2295 G2296 G2297 G2852	IN/EX	49	8.03	14.03	G	L
					14.08		
					14.13		
4601300					14.23		
8504773	G2519 G2520 G2521	IN/EX	82	8	14.05	G	L
					14.10		
					15.15		
4758794	G2365 G2366	IN	55	8	14.05	G	C.I.
4758795					14.10		
4758796	G2367 G2368 G2369 G2370	EX	62	8	14.15	G	L
4758798					14.05		
					14.10		
					14.15		

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	PI 03-106	M
4753580	PI 03-107	M

NOTE remarks

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
	4	80 C - 90 C Eng. CO3 - 130T 5401 cc.	115	8824754	IN/D	3438	S/NT	48.5	8	137.5	E	45°
	6	1580 Turbo - 160.55 160.55 Turbo - 160.90 180.55 - 180.90 - 1880 Eng. 8365.25 Turbo 8100 cc. 1355 C - 1580 Eng. 8365.05 8102 cc.		4821709 8825776 8830045	EX	3439	S/NT-BM/NT	41	8	137.5	E	45°
1962/74	6	AD 12 - BD 12 - F12 FL12 - 130 C Eng. 8205.01.220 9161 cc.	120	4535494	IN	1488	S/NT	50	10	161	E	45°
				4535495	EX	1489	R/CR	44	10	161	E	45°
1973	6	150 C - 150 CB - AD 14 BD14 - FL14 - FR12C Eng. 8205.02 - 8200.02 9819 cc.	122	4684088	IN	3471	XB/NT	51	10	161	E	45°
				4684089	EX	3472	BM/CR	45	10	161	E	45°
1973	4	70 C - 80 CA - 80R - AD7 - FL8 - FR8 Eng. 604.030/03 6872 cc.	125	580605	IN	3312	S/NT	51	11	160	E	45°
				580606	EX	3313	S/NT	45	11	160	E	45°
1965	6	AD 18 - BD 18 - BD 20 Eng. 8215.01.221 12883 cc.	135	4580688	IN	3251	S/NT	58	11	166.5	E	45°
				4632840	EX	1478	BM/NT	49	11	166.5	E	45°
1971/81	6	180C - 200C - AD 18 BD 18 - FD 20 - FE 40 Eng. 8215.02 13798 cc.	137	4683025	IN	3473	XB/NT	59	11	170	E	45°
				4683026	EX	3474	BM/CR	49	11	170	E	45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4758794	G2365	IN	55	8	14.05	G	C.I.
4758795	G2366				14.10		
4758796	G2367				14.15		
4758798	G2368	EX	62	8	14.05	G	L
	G2369				14.10		
	G2370				14.15		
4647838	G2353	IN	80	10.03	17.03	G	L
	G2354				17.08		
4647842	G2356	EX	70	10.03	17.03	G	L
	G2357				17.08		
4647838	G2353	IN	80	10.03	17.03	G	L
	G2354				17.08		
4647842	G2356	EX	70	10.03	17.03	G	L
	G2357				17.08		
4630627	G2337	IN	86	11.03	18.03	G	L
	G2338				18.08		
4647763	G2340	EX	76	11.03	18.03	G	L
	G2341				18.08		
4630627	G2337	IN	86	11.03	18.03	G	L
	G2338				18.08		
4647763	G2340	EX	76	11.03	18.03	G	L
	G2341				18.08		
4630627	G2337	IN	86	11.03	18.03	G	L
	G2338				18.08		
4647763	G2340	EX	76	11.03	18.03	G	L
	G2341				18.08		

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4753580	PI 03-107	M
99432644	PI 03-109	M
99432644	PI 03-109	M

NOTE remarks

FIAT AGRI - NEW HOLLAND

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
FORD												
1985/95	4	Fiesta 1.0 i Eng. TLB 999 cc.	68.7	89BM6507AA 6165227	IN	4702	S/CR	33	7	104	I	45°
1986/94		Escort 1.1 Eng. GUC-GUF 1117 cc.		89BM6505CA 1038606	EX	4703	R/CR	29	7	104.4	I	45°
1986/90		Courier 1.1 Eng. GSG-GUC										
1989		Fiesta 1.1 Eng. GUD-GUE 1119 cc.										
1989	4	Escort 1.3 Eng. JBA-JBD 1299 cc.	68.7	89BM6507BA 6165228	IN	4704	S/CR	34.5	7	104	I	45°
1986		Orion 1.3 Eng. JBB 1300 cc.		89BM6505CA 1038606	EX	4703	R/CR	29	7	104.4	I	45°
1986/90	4	Courier 1.3 Eng. JLA 1300 cc.	68.7	89BM6507BA 6165228	IN	4704	S/CR	34.5	7	104	I	45°
1991/94		Courier 1.3 Eng. J6B-JBC-JBD 1299 cc.		89BM6505CA 1038606	EX	4703	R/CR	29	7	104.4	I	45°
1995		Courier 1.3 Eng. J4C-J4J-J4L 1297 cc. Endura E	73.96									
1995/7-97	4	Fiesta 1.2i 16V Eng. DHA-DHB-DHC-DHD Eng. DHE-DHF-DHG 1242 cc. Zetec	71.8	1004446 1004444	IN EX	4790 4791	S/CR R/CR	26 22	6 6	98 100	E E	45° 45°
08/1997	4	Fiesta 1.2i 16V Eng. DHA-DHB-DHC-DHD Eng. DHE-DHF-DHG 1242 cc. Zetec	71.8	97MM6507A2B 1051772	IN	4992	S/CR	26	6	97.7	I	45°
				98MM6505A2A 1069529	EX	4993	R/CR	22	6	99.7	I	45°
2004	4	Focus 1.4 i 16V Eng. ASDA 1388 cc	71.9	1320926 1113189	IN EX	6413 6196	S/CR R/CR	28 24.1	6 6	99.4 101.4	I I	45° 45°
2003	4	Fiesta 1.2 i 16V Eng. M7JA-M7JB Eng. FUJA-FUJB 1242 cc.	72	1320928 1113187	IN EX	6464 6465	S/NT R/NT	26 22	6 6	99.7 101.8	I I	45° 45°
1976	4	Fiesta 1.0 L - GL 957 cc. O/S Stem dia. .003	73.96	80BM6507AC 77BM6505AC	IN EX	3523 3524	N/CR R/CR	33 29	7.88 7.85	106 105.6	I I	45° 45°
				80BM6507BC 77BM6505BC	IN EX	3574 3575	N/CR R/CR	33 29	7.95 7.93	106 105.6	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11221 G11222	IN/EX	39	6	11.05 11.10	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G11221 G11222	IN/EX	39	6	11.05 11.10	G	L
	G3520	IN/EX	36	6.08	12.03	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1004442 1004443 96MM6500A1C	PI 03-111	M
1004442 1004443 96MM6500A1C	PI 03-111	M



NOTE remarks

FORD

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1976/83	4	Escort 1.1 - Fiesta 1.1 1117 cc. O/S Stem dia. .003	73.96	80BM6507DC	IN	3525	N/CR	38	7.88	106	I	45°	
				77BM6505AC	EX	3524	R/CR	29	7.85	105.6	I	45°	
				80BM6507EC	IN	3576	N/CR	38	7.95	106	I	45°	
				77BM6505BC	EX	3575	R/CR	29	7.93	105.6	I	45°	
1980	4	Escort 1.1 L - E - LE Eng. CVH 1117 cc.	73.96	81SM6507KE	IN	4271	S/CR	38	8	136	I	45°	
				81SM6505AE	EX	4272	R/CR	32	8	133	I	45°	
1980	4	Escort - Orion 1.3 L-GL Eng. CVH 1295 cc. O/S Stem dia.mm. 0.2 O/S Stem dia.mm. 0.4	73.96	81SM6507KF	IN	3615	S/CR	42	8	135	I	45°	
				81SM6505AF	EX	3923	R/CR - BM/CR	34	8	131.5	I	45°	
				81SM6507NF	IN	3924	S/CR	42	8.2	135	I	45°	
				81SM6505BF	EX	3926	R/CR	34	8.2	131.5	I	45°	
				81SM6507RF	IN	3925	S/CR	42	8.4	135	I	45°	
				81SM6505CF	EX	3927	R/CR	34	8.4	131.5	I	45°	
1995 2002 2004	4	KA 1.3 i Eng. J4D-J4K-J4M-J4P Eng. JJB-JJ-BAA 1297 cc. KA 1.3 i Eng. A9A-A9B Fiesta Van 1.3 i Eng. A9JA-A9JB 1299 cc.	74	89BM6507BA	IN	4704	S/CR	34.5	7	104	I	45°	
				6165228									
				89BM6505CA	EX	4703	R/CR	29	7	104.4	I	45°	
1996/07-97	4	Fiesta 1.4i 16V Courier 1.4 i 16V Eng. FHA-FHE 1388 cc. Zetec	75.9	1012749	IN	4792	S/CR	28	6	97.5	E	45°	
				1012747	EX	4793	R/CR	24	6	99.5	E	45°	
7/97	4	Puma 1.4 i 16V Eng. FHD-FHF 1388 cc. Zetec	76	928M6507C1A	IN	4788	S/CR	26	6	97.1	S	45°	
				928M6507C2A									
				6742922									
948M6505A2A	EX	4789	R/CR	24.5	6	96.6	S	45°					
1023591													
1990/07-97 1989/96 1996/07-97 1993/93 1996/7-97	4	Ecort 1.6 i 16V Eng. L1E-L1H-L1H Fiesta 1.6 16V Eng. L1G Fiesta 1.6 16V Eng. L1V-L1T Mondeo 1.6 i 16V Eng. L1F-L1J Mondeo 1.6 i 16V Eng. L1J-L1L 1597 cc. Zetec	76	928M6507C1A	IN	4788	S/CR	26	6	97.1	S	45°	
				928M6507C2A									
				6742922									
				948M6505A2A	EX	4789	R/CR	24.5	6	96.6	S	45°	
				1023591									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
81SM6510LC	G2882 G2883	IN/EX	65	8.07	13.56 13.61	G	C.I.
81SM6510LC	G2882 G2883	IN/EX	65	8.07	13.56 13.61	G	C.I.
	G11221 G11222	IN/EX	39	6	11.05 11.10	G	L
	G3520	IN/EX	36	6.08	12.03	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1004442 1004443 96MM6500A1C	PI 03-111	M
6902034 6945586	PI 06-0003	I



NOTE remarks

FORD

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
08/97	4	Fiesta 1.4i 16V Eng. FHA-FHE	76	97MM6507B2B 1051773	IN	4994	S/CR	28	6	97.4	I	45°
1998		Focus 1.4 i 16V Eng. FXDA-FXDB-FXDC		98MM6505B2A 1051771	EX	4995	R/CR	24	6	99.5	I	45°
08/97		Puma 1.4 i 16V Eng. FHD-FHF 1388 cc. Zetec										
08/1997	4	Fiesta 1.6i 16V Eng. L1V-L1T	76	928M6507E2A 1041830	IN	4996	S/CR	26	6	97	I	45°
08-1997/00		Mondeo 1.6i 16V Eng. L1J-L1L 1597 cc. Zetec		948M6505C2A 1033898	EX	4997	R/CR	24.5	6	96.7	I	45°
1986	4	Escort 1.4 Eng. FUA-FUC	77.24	86SM6507AA 6137194	IN	4273	S/CR	40	8	136.5	I	45°
1987/89		Fiesta 1.4 Eng. FUB-FUD		86SM6505AD 6162460	EX	4274	R/CR	34	8	133	I	45°
1986/90		Orion 1.4 Eng. F6B-F6D-FUA-FUC 1392 cc. Zetec										
1998	4	Focus 1.6i 16V Eng. Zetec S Up to 10/2000 1596 cc.	79	1053844 1053842	IN EX	6000 6001	S/CR R/CR	27 24.5	6 6	98 97.8	I I	45° 45°
1998/12-00	4	Focus 1.6i 16V Eng. FYDA-FYDB-FYDC	79	98MM6507C28 1072048	IN	6140	S/CR	30	6	97	I	45°
		Eng. FYDD 1596 cc. Zetec		98MM6505B2A 1051771	EX	4995	R/CR	24	6	99.5	I	45°
1979	4	Focus 1.6i 16V Eng. FYDA-FYDB-FYDC	79	1122364 1S4G6507CA	IN	6195	S/CR	30	6	99	I	45°
2004		Focus 1.6 i 16V Eng. HWDA-HWDB		1113189 1S6C6505BA	EX	6196	R/CR	24.1	6	101.4	I	45°
2004		Focus C-Max 1.6 i 16V Eng. HWDA-HWDB										
2004		Focus 1.6 i 16V Ti-VCT Eng. HXDA										
2004		Focus c-MAX 1.6 i 16V Ti-VCT Eng. HXDA										
2002		Fusion 1.6 i 16V Eng. FYJA 1596 cc. Zetec										
1980/89	4	Escort 1.6 L -GL - XR3 Orion 1.6 L -GL Eng. CVH 1596 - 1598 cc. O/S Stem dia.mm. 0.2	79.96	81SM6507KF 81SM6505AG	IN EX	3615 3616	S/CR R/CR	42 37	8 8	135 132	I I	45° 45°
		O/S Stem dia.mm. 0.2		81SM6507NF 81SM6505BG	IN EX	3924 3929	S/CR R/CR	42 37	8.2 8.2	135 132	I I	45° 45°
		O/S Stem dia.mm. 0.4		81SM6507RF 81SM6505CG	IN EX	3925 3930	S/CR R/CR	42 37	8.4 8.4	135 132	I I	45° 45°

GUIDAVALVOLE VALVE GUIDES							
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11221 G11222	IN/EX	39	6	11.05 11.10	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G11087* G11088	IN/EX	36	6.08	12.03 12.08	B	L
81SM6510LC	G2882 G2883	IN/EX	65	8.07	13.56 13.61	G	C.I.
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G11087* G11088	IN/EX	36	6.08	12.03 12.08	B	L
	G3499 G11190	IN/EX	40.5	6	11.04 11.09	G	L-X
	G3499 G11190	IN/EX	40.5	6	11.04 11.09	G	L-X
81SM6510LC	G2882 G2883	IN/EX	65	8.07	13.56 13.61	G	C.I.



PUNTERIE LIFTERS		
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1004442 1004443 96MM6500A1C	PI 03-111	M
6902034 6945586	PI 06-0003	I



NOTE remarks
*G11087 VERSIONE BRONZO
*G11087 VERSIONE BRONZO

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VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1998	4	Puma 1.7 i 16V Eng.MHA/B 1679 cc. Zetec	80	1031008-8 1031007-5	IN EX	6004 6005	S/NT R/NT	30 26	6 6	96.2 98.2	E E	45° 45°	
1990/07-97	4	Escort 1.8i 16V Eng. RDA-RQB Zetec	80.6	928M6507D1A 6640543	IN	4633	S/CR	32	6	97.1	E	45°	
1989/96 1991/93		Fiesta 1.8 i 16V Orion 1.8 i 16V Eng. RDA-RQB-RDB Eng. RQC Zetec		928M6505D2A 6911483	EX	4634	BM/CR	28	6	96.7	E	45°	
1993/96		Mondeo 1.8 i 16V Eng. RKA-RKB Zetec											
1996/07-97		Mondeo 1.8 i 16V Eng. RKB-RKF-RKJ Zetec 1796 cc.											
08/97	4	Escort 1.8i 16V Eng. RDA-RQB Zetec	80.6	928M6507F2A 1041838	IN	4998	S/CR	32	6	97.1	I	45°	
08/97		Mondeo 1.8 i 16V Eng. RKB-RKF-RKJ Zetec 1796 cc.		948M6505D2A 1033899	EX	4999	BM/CR	28	6	96.7	I	45°	
1998	4	Focus 1.8i 16V Eng.EYDB-EYDC-EYDF Zetec 1796 cc.	80.6	1053845 1053843	IN EX	6002 6003	S/CR BM/CR	33 28	6 6	98 97.7	I I	45° 45°	
08/00 2002 2002	4	Focus 1.8 i 16V Eng. EYDB-EYDC-EYDF Tourneo 1.8 i 16V Transit 1.8 i 16V Eng. EYPA 1796 cc. Zetec		1131988 1124514	IN EX	6002 6003	S/CR BM/CR	33 28	6 6	98 97.7	I I	45° 45°	
1967/81	4	Escort 940 940 cc.	80.985	711M6507GA 711M6505GA	IN EX	3332 3333	N/CR R/CR	36 31.5	7.87 7.85	111 111	I I	45° 45°	
1967/70		Escort 1.1 1098 cc.											
		Escort 1.3 Capri MKI 1.3 Cortina 1.3 1298 cc. O/S Stem dia. .003		711M6507HA 711M6505HA	IN EX	3572 3573	N/CR R/CR	36 31.5	7.94 7.92	111 111	I I	45° 45°	
1970/81	4	Escort 1.3 - Fiesta 1.3 Capri MK.I/II/III 1.3 1298 cc.		80.985	711M6507KA 711M6505GA	IN EX	3494 3333	N/CR R/CR	38 31.5	7.87 7.85	111 111	I I	45° 45°
1970/73		Capri MK.I 1.6 1599 cc. O/S Stem dia. .003	711M6507LA 711M6505HA		IN EX	3613 3573	N/CR R/CR	38 31.5	7.94 7.92	111 111	I I	45° 45°	
		O/S Stem dia. .015	711M6507MA 711M6505JA		IN EX	3994 3993	N/CR R/CR	38 31.5	8.24 8.22	111 111	I I	45° 45°	

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11089 G11090	IN/EX	39	6	11.06 11.11	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6902034 6945586	PI 06-0003	I
	PI 06-0003	I

NOTE remarks

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VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1984	4	Sierra 1.6 E - LE - GLE Sierra 1.6 Ghia - Laser Eng. 1.6E Max OHC 1599 cc. O/S Stem dia.mm. 0.2	81.3	79HM6507EA	IN	4466	S/CR	42	8.04	113.2	I	45°
				84HM6505FA	EX	4468	BM/CR	32	8.02	113.3	I	45°
				79HM6507FA	IN	4467	S/CR	42	8.24	113.2	I	45°
				84HM6505GA	EX	4469	BM/CR	32	8.22	113.3	I	45°
1988	4	Sierra 2.0i RS Turbo 16V Eng. Cosworth 1993 cc.			IN	6230	R/CR	35	7	105.6		45°
					EX	6231	R/CR	31	8	105.8		45°
2003	4	SportKA 1.6 i 16V Eng. CDB-CDC StreetKA 1.6 i 16V Eng. CDRA-CDRB 1599 cc.Zetec Rocam	82	1127416	IN	6417	S/CR	40	6	109.7	I	45°
				1089830	EX	6418	BM/CR	34	6	109.8	I	45°
2003 2004	4	Focus C-Max 1.8 i 16V Focus 1.8 i 16V Eng. CSDA - CSDB Eng. QQDB 1798 cc.	83	1324691	IN	6341	S/NT	32.5	5.5	103.4	S	45°
				1324690	EX	6342	R/NT	28	5.5	104.6	S	45°
1993/96	4	Mondeo 2.0 i 16V Eng. NAA Zetec	84.8	928M6507D1A	IN	4633	S/CR	32	6	97.1	E	45°
1996/07-97		Mondeo 2.0 i 16V Eng. NGA-NGB-NGC Eng. NGD Zetec 1988 cc.		6640543								
				928M6505D2A	EX	4634	BM/CR	28	6	96.7	E	45°
				6911483								
1999	4	Cougar 2.0 16V Eng. EDDB-EDBB-EDBC	84.8	928M6507F2A	IN	4998	S/CR	32	6	97.1	I	45°
08/97	4	Mondeo 2.0 i 16V Eng. NGA-NGB-NGC Eng. NGD Zetec 1988 cc.		1041838								
				948M6505D2A	EX	4999	BM/CR	28	6	96.7	I	45°
				1033899								
1998	4	Focus 2.0i 16V Eng.EDDB-EDDC-EDDF Zetec 1998 cc.	84.8	1053845	IN	6002	S/CR	33	6	98	I	45°
				1053843	EX	6003	BM/CR	28	6	97.7	I	45°
				1124514								
1989/94	4	Sierra - Scorpio 2.0 Eng. DOHC/DLI 1998 cc.	86	88WM6507BA	IN	4442	S/CR	42.5	7	108.5	I	45°
				88WM6505EA	EX	4443	BM/CR	38	7	109	I	45°
				88WM6505DA								
1984/85	4	Scorpio 1.8 CL - GL Sierra 1.8 GL - L 1796 cc.	86.2	85HM6507FA	IN	4275	S/CR	42	8	112	I	45°
				85HM6505AA	EX	4276	R/CR	34.5	8	111.5	I	45°
1998/00	4	Mondeo 2.0i 16V Eng. CJBA-CJBB Duratec HE 1999 cc.	87.5	1053845	IN	6002	S/CR	33	6	98	I	45°
				1053843	EX	6003	BM/CR	28	6	97.7	I	45°
				1124514								

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2000	4	Mondeo 2.0i 16V Eng. CJBA-CJBB Duratec HE 1999 cc.	87.5	1124378	IN	6370	S/NT	35	5.5	103.4	S	45°
				1124377	EX	6371	R/NT	30	5.5	104.6	S	45°
2004	4	Focus 2.0 i 16V Focus C-Max 1.8 i 16V Eng. AODA Duratec HE 1999 cc.	87.5	1124378	IN	6370	S/NT	35	5.5	103.4	S	45°
				1124377	EX	6371	R/NT	30	5.5	104.6	S	45°
1970/79	4	Taunus 1.6 - Escort 1.6 Capri 1.6 - Cortina 1.6 Pinto 1.6 Transit FT 100-120-130 Transit FT 90 1593 cc. O/S Stem dia.mm. 0.2	87.65	70HM6507AE	IN	3490	N	42	8	113	I	45°
				1595025	EX	3491	R/CR	34.5	8	112.5	I	45°
				70HM6505AF								
				6048948								
70HM6507BE	IN	3998	N	42	8.2	113	I	45°				
70HM6505BF	EX	4000	R/CR	34.5	8.2	112.5	I	45°				
1970/79 1985	4	Capri 2000 Cortina 2000 GL - GT Escort RS 2000 Granada GL - L - Ghia Taunus 2000 GL - GLS Transit FT 100/120/130 Transit FT 160/190 Scorpio 2.0 - Sierra 2.0 1993 cc. O/S Stem dia.mm. 0.2	90.8	70HM6507DD	IN	4048	S/CR	42	8	111.15	I	45°
				6063961	EX	4051	R/CR	36	8	110.5	I	45°
				70HM6505DE								
				6048949								
				70HM6507ED	IN	4049	S/CR	42	8.2	111.15	I	45°
				70HM6505EE	EX	4052	R/CR	36	8.2	110.5	I	45°

FORD DIESEL

2001	4	Fiesta 1.4TDCi	73.7	1145933	IN	6322	S/CR	32.9	5.5	97.5	I	45°
2002		Fusion 1.4 TDCi		1152191	EX	6323	R/CR	30.2	5.5	97.5	I	45°
2004		Fiesta Van 1. TDCi Eng. F6JA/F6JB 1399 cc.		1145932 1202362								
2004	4	Fiesta 1.6 TDCi 16V	75	1229882	IN	6397	S/CR	25.6	5.5	96.4	I	45°
2004		Fusion 1.6 TDCi 16V Eng. HHJA-HHJB		1229883	EX	6398	BM/CR	23.4	5.5	96.6	I	45°
2004		Focus 1.6 TDCi 16V Focus C-Max 1.6 TDCi 16V Eng. G8DA-G8DB 1560 cc.										
1995/04-96	4	Galaxy 1.9 Tdi	79.5	028 109 601H	IN	4776	BM/CR	36	8	96.9	I	45°
95/04-96		Eng. 1Z TDi Up to eng. N. 770000 Galaxy 1.9 Tdi Eng. AFN Up to eng. N. 002000 1896 cc.		1669766 046 109 611F 1669772	EX	4777	BM/CR	31.4	8	96.9	I	45°

**GUIDAVALVOLE
VALVE GUIDES**



**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11427	IN/EX	39	5.5	11.05	G	
	G11427	IN/EX	39	5.5	11.05	G	
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
1005252	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1212979 1118064	PI 06-0019	I
1212979 1118064	PI 06-0019	I
	PI 06-0001	I





NOTE remarks

FORD

FORD DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
05/96	4	Galaxy 1.9 Tdi Eng. 1Z TDi From eng. N. 770001 Eng AHU	79.5	1079769 1049788	IN EX	6087 4889	S BM	35.9 31.5	7 7	96.8 96.85	I I	45° 45°
1996/00		Galaxy 1.9 Tdi Eng. AFN From eng. N. 002001										
1997/00		Galaxy 1.9 Tdi Eng. Avg 1896 cc.										
1995	4	Galaxy 1.9 Tdi Eng. ANU-AUY-ASZ 1896 cc.	79.5	1100679 1100678	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°
1984/85	4	Orion 1.6 D Fiesta 1.6 D Escort 1.6 D Eng. LTA-LTC 1608 cc. O/S Stem dia.mm. 0.2	80	84FM6507AC 1631007 84FM6505AC 161002 1631002 84FM6505BC	IN EX IN EX	4224 4225 4410 4411	S/CR R/CR S/CR R/CR	35 31 35 31	8 8 8.2 8.2	107.3 108.5 107.3 108.5	I I I I	45° 45° 45° 45°
1986/90	4	Escort 1.8 D Escort Van 1.8 Eng. RTA-RTB	82.5	89FF6507AA 6172851	IN EX	4375 4376	BM/CR BM/CR	36.5 32	8 8	107.1 109.2	I I	45° 45°
1990/92 1988		Escort 1.8 D Courier 1.8 D Eng. RTE-RTF-RTH		89FF6505AA 6172854								
1989/96		Fiesta 1.8 D Eng. RTC-RTD-RTG										
1989/93		Orion 1.8 D Eng. RTA-RTB-RTE-RTF Eng. RTH 1753 cc. O/S Stem dia.mm. 0.1 O/S Stem dia.mm. 0.2		89FF6507BA 89FF6505BA	IN EX IN EX	4682 4683 4854 4855	BM/CR BM/CR BM/CR BM/CR	36.5 32 36.5 32	8.07 8.07 8.15 8.15	107.1 109.2 107.1 109.2	I I I I	45° 45° 45° 45°
1993/98 1990/93	4	Escort 1.8 TD Orion 1.8 TD Eng. RFD-RFK	82.5	89FF6507FA/FB 93FF6507AA/AF 6172851	IN EX	4375 4376	BM/AR/CR BM/AR/CR	36.5 32	8 8	107.1 109.2	I I	45° 45°
08/90		Sierra 1.8 TD Eng. RFA.RFB-RFL 1753 cc. O/S Stem dia.mm. 0.1		89FF6505FA 93FF6505AA 6172848	EX IN EX	4376 4682 4683	BM/AR/CR BM/AR/CR BM/AR/CR	32 36.5 32	8 8.07 8.07	109.2 107.1 109.2	I I I	45° 45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1077143	G3593 G3595	IN/EX	36.5	7	12.07	B	C.I-F
1077143	G3593 G3595	IN/EX	36.5	7	12.07	B	C.I-F
7402396	G11325 G11326	IN/EX	38	8.01	12.76 12.81	G	C.I.
7402396	G11325 G11326	IN/EX	38	8.01	12.76 12.81	G	C.I.
7402396	G11325 G11326	IN/EX	38	8.01	12.76 12.81	G	C.I.

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	PI 03-112	M
6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	PI 03-112	M
6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	PI 03-112	M

NOTE remarks

FORD DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1999	4	Focus 1.8 Tddi Eng. BHDA-BHDB-C9DA	82.5	1113197	IN	6143	S/CR	36.5	8	107	I	45°	
		Eng. C9DC		1198044	EX	6144	BM/CR	32	8	108.7	I	45°	
2000		Fiesta 1.8 Tddi Eng. C9DC-RTN-RTP											
		Eng. RTQ											
2001		Focus 1.8 Tddi Eng. F9DA-F9DB											
2002		Focua 1.8 TDCi Eng. FFDA											
2001		Tourneo 1.8 TDCi Eng. HCPA											
2001		Transit 1.8 TDCi Eng. HCPA-HCPB											
2000		Courier 1.8 Tddi Eng. RTN-RTP-RTQ 1753 cc. Endura di											
2003	4	Focus 2.0 TDCi 16V Focus C- Max 2.0 TDCi 16V Eng. G6DA-G6DB 1997 cc.	85	1231931	IN	6161	S/CR	29.6	6	106.2	I	45°	
				1231930	EX	6162	BM/CR	25	6	106.1	I	45°	
2000	4	Mondeo 2.0 TDCi 16V Eng. D5BA	86	1121333	IN	6145	S/CR	29.8	7	122.2	I	45°	
2000		Mondeo 2.0 TDCi 16V Eng. D6BA-FMBA-HJBA		1121331	EX	6146	BM/CR	25.8	7	122.2	I	45°	
		Eng. HJBB-HJBC		1121332									
2001		Transit 2.0 Di 16V Eng. D3FA											
2001		Transit 2.0 Tddi 16V Eng. F3FA-ABFA-ABFB 1998 cc Duratorq DI											
2004	4	Mondeo 2.2 TDCi 16V Eng. QJBA 2198 cc.	86	1121333	IN	6145	S/CR	29.8	7	122.2	I	45°	
				1121331	EX	6146	BM/CR	25.8	7	122.2	I	45°	
				1121332									
1977	4	Granada 1.9D Eng. XD4.88 1948 cc.	88	78EM6507AA	IN	3442	N	40.5	8.5	116.5	E	45°	
		Granada 2.1D Eng. XD4.90 2112cc.	90	78EM6505AA	EX	3443	R/CR	33.5	8.5	116.5	E	45°	
		Spessore testa maggiorato 1 mm.			IN	3749	N	40.5	8.5	116.5	E	45°	
					EX	3750	R/CR	33.5	8.5	116.5	E	45°	
2004		Transit 2.4 Tddi 16V Eng. F4FA-D2FA-D2FE	89.9	1096250	IN	6167	S/CR	31.3	7	122.2	I	30°	
2001	4	Transit 2.4 Tddi 16V Eng. DT24H-N-P 2402 cc. Duratorq		1096248	EX	6168	R/CR	27.8	7	122.1	I	45°	

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11396 G11397	IN/EX	42.5	6	12.06 12.11	G	C.I.
22016	G2558 G2559 G2970	IN/EX	55.4	8.50	14.06 14.11 14.16	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	PI 03-112	M







NOTE remarks

FORD DIESEL





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1996/99	4	Granada - Scorpio Eng. VM TD 2498 cc.	92	V94DD-6507AA	IN	3598	R/CR	40	8	121	E	35°	
				V94DD-6505AA	EX	3599	R/CR	34	8	121	E	45°	
1971/77	37045	FT 100/125/130/150/ Eng. 2401E - 2402E 2358 - 3537 cc.	93.46	735F6507AAA	IN	3545	R/CR	44.5	9	126.5	EE	45°	
			93.64	715F6505AAC	EX	3546	R/CR	36.5	9	126.5	EE	30°	
1978	37045	FT 100/125/130/150/ Eng. 2401E - 2402E 2358 - 3537 cc.	93.46	785F6507AAA	IN	3656	R/CR	44.5	9	124	EE	45°	
			93.64	785F6505AAA	EX	3657	R/CR	36.5	9	124	EE	30°	
1983/00	4	Transit 2.5D-Di Eng. 4AB-4BA-4BC-4CA Eng. 4CC-4FA-4FB-4FC Eng. 4FD 2496 cc.	93.65	894F6507A1B	IN	4631	R/CR	42	9	124.5	I	30°	
				1050570									
				894F6505A1B	EX	4632	R/CR	36.3	9	124	I	45°	
1982	4	Granada 2.3 D - LD Scorpio 2.3 D - LD Sierra 2.3 D - LD Eng. LXD 2 2304 cc.	94	83EM6507AA	IN	3658	S	40.5	8.5	116.5	E	30°	
				78EM6505AA	EX	3443	R/CR	33.5	8.5	116.5	E	45°	
1982/84	4	Granada 2.5 LD - GLD Eng. XD 3 2498 cc.	94	83EM6507BB	IN	4018	S	42.5	8.5	116	E	45°	
				83EM6505AB	EX	4019	BM/CR	35.5	8.5	116.2	E	45°	

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
FORD TRACTOR												
1952/56	4	Fordson Major Eng. 4D 3260 - 3610cc.	100	EIADDN6507 EIADDN6505B EIADDN6505C	IN EX EX	444 953 3040	N XB R	44 39 39	9.5 9.5 9.5	158.5 156.5 156.5	K H D	30° 30° 30°
1957/95	6	Fordson Super Major Eng. 6D 5416 cc.										
1968/81	6	D/N Series - R Series Eng. 360 DT Turbo 5945 cc. Eng. 2713E-365 5948 cc.	104.77	723F6507GAA 723F6505GAA	IN EX	3943 3944	S R	45 39	9.5 9.5	155.5 156.5	M M	30° 30°
1965	3	Dexta 2000 Eng. LD 2502E-158 Eng. 2588 cc. Super Dexta 3000 Eng. ND 2504E-175 2870 cc.	106.68									
	4	Super Major 5000 Eng. RD256 4196 cc.										
1964	3	Major 4000 - 4100 Eng. 183 3010 cc. Major 4000 - 4600 Eng. PD2506E- 201 Eng. PD2512E-201 3294 cc.	111.76									
1975	4	Major 6600 - 6700 Eng. 6Y/7A 4395 cc.										
	6	Major 8600 - 8700 Eng. 401 6572 cc. O/S Stem dia. 0.003		C5NE6507A C5NE6505A C5NE6507B C5NE6505B C5NE6507C C5NE6505C	IN EX IN EX IN EX	3511 3512 3670 3672 3671 3673	S R S R S R	46 38.5 46 38.5 46 38.5	9.4 9.4 9.5 9.5 9.8 9.8	146 146 146 146 146 146	M K M K M K	45° 45° 45° 45° 45° 45°
1972	4	7600 O/S Stem dia. 0.015		D0NN6507J D6NN6505A	IN EX	3526 3527	S R	46.5 38.5	9.4 9.4	146 146	M K	30° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
EIADDN6510A	G2374	IN/EX	76	9.53	15.92	G	L
EIADDN6510A	G2374	IN/EX	76	9.53	15.92	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

FORD TRACTOR




VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
GARDNER												
1933	3	Eng. 4LW	107.95	J3625	IN/D	568	N	51.5	9.5	150	C	45°
	5	Eng. 5LW		J2874	EX	571	S	45	9.5	150.5	C	45°
	6	Eng. 6LW										
	8	Eng. 8LW										
1950	4	Eng. 4HLW										
	5	Eng. 5HLW										
	6	Eng. 6HLW										
1958/71	6	Eng. 6LX/LXH	120.65	K1269	IN/D	3463	N	53	9.5	152	C	45°
		10450 CC.		F7077	EX	3464	S	46.8	9.5	151.7	C	45°
1966/71	6	Eng. 6LXB - LXC	120.65	F29015	IN/D	4336	N	53	9.5	152	C	30°
		Eng. 6HLXB 10450 cc.		F7013	EX	4337	BM/CR	46.8	9.5	151.7	C	30°
	8	Eng. 8LXB - LXC Eng. 8HLXB 13960 cc.										
HONDA												
1984	4	City - Jazz	66	14711-PC0000	IN	4424	S/NT	30	6.6	117	H	45°
		Eng. ER 1232 cc.		14721-PC0000	EX	4425	R/NT	24	6.6	117	H	45°
1972/77	4	Civic 1200	70	14711-611000	IN	3801	R/CR	34	6.6	112.8	H	45°
		Eng. EB1 1169 cc.		14721-611000	EX	3802	R/CR	30	6.6	112.7	H	45°
1979	4	Ballade - Civic 1300	72	14711-634920	IN	3799	R/CR	36	6.6	109.5	H	45°
		Eng. EJ/EN 1335 cc.		14721-634920	EX	3800	R/CR	32	6.6	109.5	H	45°
		Civic 1500 Eng. CVC 1488 cc.	74									
1973	4	Ballade - Civic 1300	74	14711-PE0000	IN	4522	S/NT	27	6.6	112.8	E	45°
		Eng. EV (3 Valve) 1342 cc.		14721-PE0000	EX	4523	R/NT	32	6.6	113.8	E	45°
1983	4	Ballade 1500										
		Civic 1500 Shuttle 1500 Eng. EW (3 Valve) 1488 cc.										
1999/02	4	Logo 1.3 i 16V	75	14711-P08000	IN	6232	S/NT	30	5.5	118.6	S	45°
		Eng. D13B7 1343 cc.		14711-P2A000	EX	6233	BM/NT	26	5.5	116	S	45°
				14721-P08000								
				14721-P2A000								





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1988 1992 1994 1988 1992	4	Civic Hatchback 16V Civic Sedan 16V Civic Coupè 16V Civic Shuttle 4WD 16V Civic CRX Eng. 1493 - 1595 cc.	75 81	14711-PM3000 14721-PM3000	IN EX	4900 4901	S/NT R/NT	29 24.9	5.5 5.5	115 118.7	E E	45° 45°
1988 1989 1988	4	Civic 1.6 16V Concerto 1.6 16v CR-X 1.6 16V Eng. D16A 1590 cc.	75	14711-PG6000 14721-PG6000	IN EX	4912 4913	S/NT R/NT	30 27	6.6 6.6	105.5 104.6	E E	45° 45°
1998 1995 1995/01 1997	4 4 4	Accord 1.6 i 16V Eng. D16B6 Civic 1.4 i 16V Eng. D14Z1/Z2/Z4/Z5 1396 cc. Civic 1.6 i 16V Eng. D16Y5/Y6 Civic 1.6 i 16V Eng. D16B2 1590 cc.	75	14711-P08000 14711-P2A000 14721-P08000 14721-P2A000	IN EX	6232 6233	S/NT BM/NT	30 26	5.5 5.5	118.6 116	S S	45° 45°
1999	4	HR-V 1.6 Vtec 16V Eng. D16W1/W5 1590 cc.		14711-P08000 14711-P2A000 14721-P08000 14721-P2A000	IN EX	6232 6233	S/NT BM/NT	30 26	5.5 5.5	118.6 116	S S	45° 45°
2001 2005	4	Stream 1.7 i Vtec 16V FR-V 1.7 i Vtec 16V Eng. D17A2 1668 cc.	75	14711-P08000 14711-P2A000 14721-P08000 14721-P2A000	IN EX	6232 6233	S/NT BM/NT	30 26	5.5 5.5	118.6 116	S S	45° 45°
1978	4	Accord - Prelude 1800 Eng. EK 1750 cc.	77	14711-PC1000 14721-PC1000	IN EX	4524 4525	S/NT R/NT	36 30	7 7	113.2 113.2	E E	45° 45°
1979	4	Accord 1600 Prelude 1600 Eng. EP 1602 cc.	77	14711-PB2000 14711-689000 14721-689660	IN IN EX	4902 4904 4903	S/NT S/NT R/NT	35 34 28	7 7 7	113.3 113.8 113.8	E E E	45° 45° 45°
1983	4	Accord 1600 Eng. EY (3 Valve) 1598 cc. Accord - Prelude 1800 Eng. ES (3 Valve) 1829 cc.	80	14711-PC6000 1472-1PC6000	IN EX	4422 4423	S/NT R/NT	30 35	6.6 7	120.5 120.7	E E	45° 45°
1989	4	Prelude 16V Eng. B20A 1958 cc.	81	14711-PH3000 14721-PH3000	IN EX	4905 4906	S/NT R/NT	33 28	6.6 6.6	104.5 106	E E	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1991/01 1992/98	4	Civic 1.6 VTI 16V CR-X 1.6 VTI 16V Eng. B16A2 1590 cc.	81	14711-PR3000 14721-PR3000	IN EX	6405 6406	S/NT R/NT	33 27.9	5.5 5.5	102.3 102.3	S S	45° 45°
1985	6	Legend V6 24V Eng. C25A 2494 cc.	84	14711-PH3000 14721-PH7000	IN EX	4905 6234	S/NT R/NT	33 27.5	6.6 6.6	104.5 106.5	E E	45° 45°
1995	4	CR-V 2.0 i 16V Eng. B20B 1973 cc.	84	14711-P75A00 1472-1P75A00	IN EX	6098 6099	S/NT BM/NT	31 28	6.55 6.55	105.5 106	E E	45° 45°
1993 1993	4	Accord 1.8i 16V Eng. F18A3 1850 cc. Accord 2.0 16V Eng. F20A3 1997 cc.	85	14711-PT3A00 14721-PT3A00 14721-PT6A00	IN EX	4907 4908	S/NT R/NT	34 29	5.5 5.5	112.1 123.5	E E	45° 45°
1998 1998/01	4 4	Accord 1.8 i 16V Eng. F18B2 1850 cc. Accord 2.0 i 16V Eng. F20B6 1997 cc.	85	14711-PDAE00 17721-PDAE00	IN EX	6403 6404	S/NT R/NT	34 29	5.5 5.5	116 114.2	S S	45° 45°
1992	4	Accord 16V Eng. F22 2155 cc.	85	14711-PT3A00 14721-PT3A00 14721-PT6A00	IN EX	4907 4908	S/NT R/NT	34 29	5.5 5.5	112.1 123.5	E E	45° 45°
1996/98 1998 1998	4 4 4	Accord 2.2 i Vtec 16V Eng. F22Z2 2156 cc. Accord 2.3 i 16V Shuttle 2.3 i 16V Eng. F23A7 2254 cc.	86	14711-PDAE00 17721-PDAE00	IN EX	6403 6404	S/NT R/NT	34 29	5.5 5.5	116 114.2	S S	45° 45°
1987	6	Legend V6 24V Eng. C27A 2675 cc.	87	14711-PH3000 14721-PH7000	IN EX	4905 6234	S/NT R/NT	33 27.5	6.6 6.6	104.5 106.5	E E	45° 45°
1992/93	4	Prelude 2.3 SI 16V Eng. H23A1 2300 cc.	87	14711-PT2000 14721-PT2000	IN EX	4914 4915	S/NT R/NT	34 29	6.6 6.6	103.5 102.75	E E	45° 45°
HONDA DIESEL												
2002	4	Civic 1.7 CDTI 16V Eng. 4EE2 1686 cc.	79	14711-PLZ-D00 14721-PLZ-D00	IN EX	6136 6137	R/NT R/NT	27.5 26.5	6 6	98.5 98.1	S S	45° 45°
1996	4	Accord 2.0 TDI 16V Civic 2.0 TDI 16V Eng. 20T2N 1994 cc.	84.5	14711-P5TG01 14721-P5TG01	IN EX	6119 6120	S/NT R/NT	37.2 32.5	7 7	86.7 86.7	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1998	4	Atos 1.0 i 12V Prime 1.0 i 12V Eng. G4HC 999 cc.	66	22211-02500 22212-02500	IN EX	6169 6170	S/NT R/NT	23 27	5.5 5.5	100.3 100	S S	45° 45°
1985	4	Excel 1.3 - Pony 1.3 Eng. G13B 1299 cc.	71	MD016460 MD016461	IN EX	3833 3834	S R/CR	34 30	6.6 6.6	102.1 101	EE EE	45° 45°
1985	4	Pony 1.5 GLS Eng. G15 1468 cc.	75.5									
1994	4	Accent 1.3 i 12V Eng. G4N 1341 cc.	71.5	22211-22003 22212-22011	IN EX	6250 6251	S/NT R	27.4 32	6 6	99 98.4	S S	45° 45°
1999		Accent 1.3 i 12V Eng. G4EK 1341 cc.										
1974	4	Pony Eng. G36 1238 cc.	73	MD000480 MD000481	IN EX	3829 3830	S R/CR	38 31	8 8	106 102.5	H H	45° 45°
	4	Pony - Stellar Eng. 4G33 1439 cc. Stellar Eng. G32B 1594 cc.	76.9									
1994	4	Accent 1.2 i 12V Eng. G4K 1495 cc.	75.5	22211-22003 22212-22011	IN EX	6250 6251	S/NT R	27.4 32	6 6	99 98.4	S S	45° 45°
1999	4	Accent 1.2 i 12V Eng. G4EB 1495 cc.										
2001/04	4	Coupè 1.6 i 16V	76.5	22211-26600	IN	6241	S/NT	29.1	6	91.9	S	45°
2000/04		Elantra 1.6 i 16V		22212-26000	EX	6242	R/NT	25	6	92.4	S	45°
2003/04		Getz 1.6 i 16V										
2001/04		Matrix 1.6 i 16V Eng. G4ED 1599 cc.										
2001	4	Lantra 1.6 16V Eng. G4DR 1599 cc.	77.4	22211-33000 22212-33000	IN EX	6248 6249	S/NT R/NT	34 30.5	6.5 6.5	109.5 109.7	S S	45° 45°
2002/04	4	Coupè 2.0 i 16V	82	22211-23000	IN	6407	S/NT	32	6	102.3	S	45°
2000/04		Elantra 2.0 i 16v Eng. G4GC 1975 cc.		22212-23000	EX	6408	R/NT	27.5	6	104.7	S	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-02500	G11324	IN/EX	48	5.5	10.06	G	L-X
MDO - 16441	G2945 G3584	IN	44	6.60	12.06	G	L-X
MDO - 16445	G2946 G3585	EX	50	6.60	12.06	G	L-X
22114-22905	G11418	IN	42.7	6	11.10	G	
22115-22905	G11419	EX	39	6	11.10	G	
MDO - 00461	G2737	IN	43.3	8	13.11	G	L-X
MDO - 00471	G2738	EX	48	8	13.11	G	L-X
22114-22905	G11418	IN	42.7	6	11.10	G	
22115-22905	G11419	EX	39	6	11.10	G	
	G11098 G11099	IN/EX	40	6	11.07 11.12	G	L-X
MDO - 16441	G2945 G3584	IN	44	6.60	12.06	G	L-X
MDO - 16445	G2946 G3585	EX	50	6.60	12.06	G	L-X
22114-23501	G11420	IN	46	6	11.05	G	
22115-23501	G11421	EX	54.5	6	11.05	G	

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0020	I
	PI 06-0020	I


**NOTE
remarks**
HYUNDAI

VALVOLE ENGINE VALVES






ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2001/04	4	Matrix 1.8 i 16V Eng. G4GB 1795 cc.	82	22211-23000 22212-23000	IN EX	6407 6408	S/NT R/NT	32 27.5	6 6	102.3 104.7	S S	45° 45°
2002 2001 2002 2001 2004	V6	Coupè 2.7 i V6 24V Sonata 2.7 i V6 24V Trajet 2.7 i V6 24V Santa Fe 2.7 i V6 24V Tucson 2.7 i V6 24V Eng. G6B4 2656 cc.	82	22211-37201 22212-37200	IN EX	6409 6410	S/NT R/NT	32 27,5	6 6	96.2 97,3	S S	45° 45°
1998/01 2000	4	Sonata 2.0 i 16V Trajet 2.0 i 16V Eng. G4JP 1997 cc.	85	22211-33000 22212-33000	IN EX	6248 6249	S/NT R/NT	34 30.5	6.5 6.5	109.5 109.7	S S	45° 45°
1998/01 1998/01		Sonata 2.4 i 16V H1 2.4 i 16V 2351 cc. Eng. G4CS 2351 cc.	86.5									

HYUNDAI DIESEL

1997	4	Lantra 1.9 D Eng. XUD9AY Peugeot 1905 CC.	83	22211-29000 22212-29000	IN EX	4243 4810	S/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
2002 2002 2002	3	Accent 1.5 CRDi 12V Getz 1.5 CRDi 12V Matrix 1.5 CRDi 12V Eng. D3EA VM R315 1496 cc.	83	22211-27000/01 22212-27000/01	IN EX	6239 6240	S/NT R/NT	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
2001 2001 2001 2004	4	Trajet 2.0 CRDi 16V Santa Fe 2.0 CRDi 16V Elantra 2.0 CRDi 16V Tucson 2.0 CRDi 16V Eng. D4EA VM Eng. 1991 cc.	83	22211-27000/01 22212-27000/01	IN EX	6239 6240	S/NT R/NT	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
1991	4	Galloper 2.5 TD Eng. D4BH 2351 cc.	91.1	22211-42850 22212-42850	IN EX	4537 4538	S/NT R/NT	40 34	8 8	136.5 136.5	EE EE	45° 45°
1993	4	Porter 2.5 D Eng. D4BA-D4BX 2476 cc.	91.1	22211-42850 22212-42850	IN EX	4537 4538	S/NT R/NT	40 34	8 8	136.5 136.5	EE EE	45° 45°
1991/98	4	Galloper 2.5 Tdi Eng. D4BH 2476 cc.	91.1	22211-42520 22212-42520	IN EX	6102 6103	BM/NT BM/NT	40 34	8 8	130.2 130	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1991	4	H1 2.5 D - TD Eng. D4BB - D4BF	91.1	22211-42520	IN	6102	BM/NT	40	8	130.2	EE	45°
1998	4	H1 2. Tdi Eng. D4BH 2476 cc.		22212-42520	EX	6103	BM/NT	34	8	130	EE	45°
1993/01	4	H100 2.5 D - TD Eng. D4BA-D4BF-D4BX 2476 cc.	91.1	22211-42520	IN	6102	BM/NT	40	8	130.2	EE	45°
				22212-42520	EX	6103	BM/NT	34	8	130	EE	45°

INNOCENTI





1990	4	Koral 45 Eng. 146A.000 903 cc.	65	4265695	IN	3561	S/CR	29	7	95.5	EE	45°
				4266321	EX	3359	R/CR	26	7	95.5	I	45°
1991/96	4	Elba 1.3 Eng. A46A5.000 1301 cc.	76	4412816	IN	3592	S/CR	36.5	8	110	EE	45°
				4412822	EX	3529	R/CR	29	8	110.5	EE	45°
				4340119								
1994	4	Mille 1.0 ie Eng. 146C7.000 994 cc.	76	4340118	IN	3528	S/CR	34	8	110.5	EE	45°
				4340119	EX	3529	R/CR	29	8	110.5	EE	45°
1990	4	Koral 55 1.1 Eng. 146A4.000 1116 cc.	80	4239917	IN	3323	S/CR	36	8	108.5	EE	45°
				4315062	EX	3324	R/CR	31	8	109	EE	45°
1993/01	4	Elba 1.4 ie Eng. 146C5.000 1372 cc.	80.5	46531590	IN	4252	S/CR	37.5	8	108.5	EE	45°
				4315062	EX	3324	R/CR	31	8	109	EE	45°
				4239918								
				5973128								
1993/01	4	Mille 1.4 ie Eng. 160A1.046 1372 cc.	80.5	7609772	IN	4252	S/CR	37.5	8	108.5	EE	45°
				4315062	EX	3324	R/CR	31	8	109	EE	45°
				4239918								
				5973128								
1991/96	4	Elba 1.6 ie Eng. 146C6.000 1581 cc.	86.4	46531590	IN	4252	S/CR	37.5	8	108.5	EE	45°
				4315062	EX	3324	R/CR	31	8	109	EE	45°
				4239918								
				5973128								

INNOCENTI DIESEL

	4	Mille 1.7 D Eng. 146B2.000 1697 cc.	82.5	5990532	IN	3953	S/CR	37.5	8	117	EE	45°
				5990533	EX	3954	R/CR	33.5	8	117	EE	45°
1991/96	4	Elba 1.6 ie Eng. 146C6.000 1581 cc.	86.4	46531590	IN	4252	S/CR	37.5	8	108.5	EE	45°
				4315062	EX	3324	R/CR	31	8	109	EE	45°
				4239918								
				5973128								

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
INTERNATIONAL HARVESTER												
1953/63	2	Tractor D214 - S - D215 Eng. DD66 1088 cc.	82.55	713384R2 713385R2	IN EX	3711 3712	S S	36 32	8.7 8.7	147.7 147.5	D D	45° 45°
	4	Tractor D430 - 432 Eng. DD132 2175 CC.										
				2	Tractor D217 - D219 Eng. DD74 1217 cc.	87.31						
	3	Tractor D323 - D324 D326 Eng. DD111 1825 cc.										
1963	4	Tractor B 414-424-434 Eng. BD154 2520 cc.	88.9	3040361R1 3043826R1	IN EX	3663 3664	S S	37 30	8.7 8.7	147.7 147.7	EE EE	45° 45°
4	Tractor SU 644 HD Eng. D239											
		4	Tractor 856 XL Eng. TD 239 Turbo 3910 cc.									
				6	Tractor 520A - 946A Eng. D358 5860 cc.							
6	Tractor 125E - 520B Eng. TD 358 Turbo 5860 cc.											
ISUZU												
1966/79	4	Bellet 1600 Elf 150 Faster 1600 Florian 1600 Gemini 1600 Light Elf - Uni Cab Eng. G161 1548 cc.	82	8-94205-977-0 8-94200-743-0	IN EX	3807 3808	S R/CR	42.5 34	8 8	109.5 110.5	M M	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
3044492R1	G2721	IN	82.5	8.74	14.31	G	C.I.
3044493R1	G2722	EX	76	8.72	14.31	G	C.I.-U
3055022R1	G3199	IN/EX	79	10	16.07	G	C.I.
	G3545	IN/EX	77.2	9.91	16.06	G	C.I.
8-94206762-0	G2804	IN	46	7.98	12.06	G	L
8-94206763-0	G2805	EX	55	7.98	12.06	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

INTERNATIONAL HARVESTER

ISUZU

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1980	4	Bellet 1600 Elf 150 Faster 1600 Florian 1600 Gemini 1600 Light Elf - Uni Cab Eng. G161 1548 cc.	82	8-94217-178-0	IN	3809	S	40.5	8	110.6	M	45°
				8-94217-179-0	EX	3810	R/CR	34	8	109.3	M	45°
1989	4	Impulse Eng. 4ZD1 2254 cc. Trooper II Eng. 4ZE1 2559 cc.	89.3	8-94174-222-1	IN	6245	S/NT	44.1	8	108.6	M	45°
			92.6	8-94447-025-0 8-94174-223-1 8-94447-026-0	EX	6246	R/NT	37	8	108.1	M	45°
ISUZU DIESEL												
1984	4	Chevrolet Spectrum Gemini D Eng. 4EC1 1488 cc. Gemini TD Eng. 4EC1 Turbo 1488 cc.	76	8-94326-843-0	IN	4546	S/CR	34.6	7	104.1	E	45°
				8-94110-017-3	EX	4547	R/CR	30.6	7	104	E	45°
				8-94115-059-2	EX	4548	R/AR/CR	30.6	7	104	E	45°
1982/83	4	Fargo - Gemini 1800 D Eng. 4FB1 1817 cc. Gemini 1800 TD Eng. 4FB 1T-Turbo 1817 cc. Aska 2000 D Fargo 2000 D Florian 2000 D Eng. 4FC1 1995 cc. Aska 2000 TD Florian 2000 TD Eng. 4FC 1T-Turbo 1995 cc.	84	8-94216-589-0	IN	4602	S/CR	39	8	132.3	S	45°
				8-94108-307-0	EX	4603	R/CR	34	8	132.3	S	45°
	4	Fargo Eng. 4FD1 2238 cc.	88	8-94216-589-0 8-94108-307-0	IN EX	4602 4603	S/CR R/CR	39 34	8 8	132.3 132.3	S S	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
8-94206762-0	G2804	IN	46	7.98	12.06	G	L
8-94206763-0	G2805	EX	55	7.98	12.06	G	L
8-94206762-0	G2804	IN	46	7.98	12.06	G	L
8-94206763-0	G2805	EX	55	7.98	12.06	G	L
642005	G3230 G3231	IN/EX	42	7	11.56 11.61	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

ISUZU

ISUZU DIESEL

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1980	4	Florian SII - Journey S Fester Rodeo Eng. C190 1951 cc.	86	5-12551-028-0 5-12552-034-0	IN EX	4534 4535	S R/CR	40 34	8 8	115.8 115.8	EE EE	45° 45°
1969		Elf 150 - 250 TLD Eng. C240 2369 cc.										
1979	4	Luv - Truck Rodeo Bighorn Trooper 4x4 Eng. C223 1951 cc.	88									
1988/92	4	Trooper TD Eng. 4JBIT 2771 cc.	93	8-94547-875-1 8-94133-275-1	IN EX	6235 6236	S/NT R/NT	41 35.5	8 8	118 118	M M	45° 45°
1973	4	Elf 250 Eng. 4BA1 2775 cc.	98									
	6	Eng. D500 4978 cc.										
	4	Elf 250 Eng. 4BC1 3268 CC.										
	6	Eng. 6BD1 5785 cc.										
1973	4	Elf 350 Eng. 4BB1 3595 cc.	102									
1979	6	Eng. 6BF1 6130 cc.	105									
2001	4	Trooper 30.TD Eng. KJX1 3000 cc.		8-97137-154-0 8-97137-155-1	IN EX	6201 6202	S/NT R/NT	33 33	7 7	98.2 98.1	S S	45° 45°

IVECO

1962	4	615N1 - N2 Eng. 305D 1901 cc.	82	571842 4536427	IN EX	1359 1360	XB R	38.5 32.5	9 9	119.5 119.5	P P	45° 45°
1962/65	4	615N1 - N2 Eng. 305 1901 cc.	82	4550815 4550816	IN EX	1439 1460	XB/NT R/NT	38.5 32.5	9 9	119.5 119.5	E E	45° 45°
2005	4	Daily 2.3 Unijet 16V Eng. F1AE481B 2287 cc.	88	504069199 500362856	IN EX	6339 6340	S/CR BM/CR	30 30	6 6	120.4 120.35	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1979	4	Combi-Daily-Grinta 2.5 D Eng. 8140.61 Up to eng. N. 20125 2445 cc.	93	4733348	IN	4504	BM/NT	40.9	8	121.9	EE	30°	
				4733349	EX	3597	BM/NT	32.9	8	122	EE	45°	
1979	4	Combi-Daily-Grinta 2.5 D Eng. 8140.61 From eng. N. 161918 Up to eng. N. 452000 2445 cc.	93	4757358	IN	3642	BM/NT	41	8	120.9	EE	30°	
				4733349	EX	3597	BM/NT	32.9	8	122	EE	45°	
1978	4	Daily - Ducato - Grinta Eng. 8144.61 2445 cc.	93	4733348	IN	4504	BM/NT	40.9	8	121.9	EE	30°	
				4757358	IN	3642	BM/NT	41	8	120.9	EE	30°	
				4733349	EX	3597	BM/NT	32.9	8	122	EE	45°	
1986	4	Daily 2.5 TD id 35/40/45/49.10 A40/45.10 Eng. 8140.21 Turbo 2445 cc. New Daily 2.5 TD 35/45/49.10 A40/45/49.10 Eng. 8140.27R Turbo Eng. 8140.27A Turbo 40.10 2.5 TD 4X4 Eng. 8140.27 Turbo Turbodaily 2.5 TD 35/49/59.12 A45.12 Eng. 8140.47 Turbo New Daily 2.5 TD 35/49.10 Eng. 8140.47B/R Turbo Eng. 8140.47S Turbo 2499 cc.	93	7301820	IN	3989	R/NT - BM/NT	41	8	120.7	EE	30°	
7301821				EX	3990	R/CR - BM/CR	34.5	8	122	EE	45°		
1989													
1990/94													
1990													
1990													
1979	4	Combi-Daily-Grinta 2.5 D Eng. 8140.61 From eng. N. 452001 2445 cc.	93	7301820	IN	3989	R/NT - BM/NT	41	8	120.7	EE	30°	
	4	New Daily 2.5 TD Eng. 8140.97 Turbo 2499 cc.	93	7302157	EX	3991	R/CR - BM/CR	34.5	8	122	EE	45°	
1989	4	New Daily 2.5 D A40.8 Bus 2.5 D Eng. 8140.07 2499 cc. Aspirato	93	4813760	IN	4684	BM/NT	41	8	121.9	EE	30°	
				7303309	EX	4685	BM/NT	34.5	8	121.9	EE	45°	
1996	4	New Daily 2.5 D Eng. 8140.67F 2499 cc.	93	98468338	IN	4762	BM/CR	43.5	8	122	EE	30°	
				98418161	EX	4715	BM/CR	36.7	8	122	EE	45°	

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4749395	G2713	IN	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4726483	G2269	EX	60	8.03	13.03	G	L
4733258	G2270				13.08		
4749395	G2713	IN	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4726483	G2269	EX	60	8.03	13.03	G	L
4733258	G2270				13.08		
4749395	G2713	IN	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4726483	G2269	EX	60	8.03	13.03	G	L
4733258	G2270				13.08		
4749395	G2713	IN/EX	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4749395	G2713	IN	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4726483	G2269	EX	60	8.03	13.03	G	L
4733258	G2270				13.08		
4749395	G2713	IN/EX	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M


 NOTE
remarks

IVECO





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1996	4	Daily 2.8 TD Intercooler Up to eng. N. 3456314 2499 cc.	93	98468338 99432837	IN EX	4762 4887	BM/CR BM/CR	43.5 36	8 8	122 122	EE EE	30° 45°
1996	4	New Daily 2.8 D Up to eng. N. 2613437 Eng. 8140.63 2798 cc.	94.4	98468338 98418161	IN EX	4762 4715	BM/CR BM/CR	43.5 36.7	8 8	122 122	EE EE	30° 45°
1996	4	New Daily 2.8 D From eng. N. 2613438 Eng. 8140.63 2798 cc.	94.4	98468338 99432837	IN EX	4762 4887	BM/CR BM/CR	43.5 36	8 8	122 122	EE EE	30° 45°
1996	4	Turbo Daily 2.8 TD id 30/35/40/49.10 A40/45/49.10 Eng. 8140.23 Turbo	94.4	7301820 99432837	IN EX	3989 4887	BM/NT BM/CR	41 36	8 8	120.7 122	EE EE	30° 45°
1996	Daily 2.8 TD Intercooler 35/49/59.12 A35/40/45.12 Eng. 8140.43 Turbo											
1999	Daily 2.8 TD Intercooler Eng. 8140.43B/C Eng. 8140.43K Turbo Eng. 8140.43R Turbo Eng. 8140.43S Turbo 2798 cc.											
1965	4	616N - N1 - NM 625 N - N1 - N1P Orsetto Eng. 213H 2693 cc.	95	4578946 4578947	IN/D EX	3134 3135	N/NT R/NT	43 35	8 8	122.5 122.5	E E	45° 45°
1958/69	4	314 - 414 - 416 645N - 650E - 650N-662 C145N - C40/50 4678 cc.	95	4550817 4550818	IN/D EX	1484 1485	N/NT R/NT	40.5 36.5	9 9	131 131	E E	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1968/85	3/4 6	100 - 100EC/NC	95	4659379	IN/D	3298	N/NT	44	8	125.5	E	45°	
		109.14 - 110NC	100	1902205									
		120.13 - 314/3 Bus	103	4673608	EX	3440	R/NT - BM/NT	37	8	125.5	E	45°	
		314 - 414 - 416 Bus											
		315/316.13											
		50/55/60.8 - 50/55NC		Spessore testa	IN/D	4630	N/NT	44	8	125.5	E	45°	
		612NE - 616N2		maggiorato	EX	4101	R/NT	37	8	125.5	E	45°	
		616N2/N4 - 616N3		1 mm									
		625N1/N2 - 625N3											
		645N1/N2/N3											
65NC/PC													
650N1/N2/N3													
655N/N1													
662N1/N2/N3													
672N/N2													
80NC - 90NC													
A90.13 Bus													
OM100/110N													
OM40 NC													
Eng. 8030.01 - 8040.01													
Eng. 8060.01 - 8030.02													
Eng. 8040.02 - 8060.02													
Eng. 8060.12 - 8040.04													
Eng. 8060.04													
2005	4	Daily 3.0 Unijet 16V	95.8	504072531	IN	6368	S/CR	32.4	6	120	I	30°	
		Eng. F1CE0481A		504081062	EX	6369	BM/CR	32.4	6	119.95	I	30°	
1983	6	115/135.17 Turbo	103	4802204	IN/D	4540	N/NT	44.5	8	125.6	E	30°	
		315.17 Bus		4658055	EX	4541	BM/NT	37	8	125.7	E	45°	
		Eng. 8060.24		4673608									
5496 cc.													

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4802126	G3396 G3397 G3398	IN/EX	56	8.03	14.02 14.05 14.15	G	L
4601299	G2295 G2296 G2297	IN/EX	49	8.03	14.03 14.08 14.13	G	L
4601300	G2852				14.23		
4648421	G2298 G2299 G2300	IN	56	8.03	14.04 14.09 14.14	G	L
4684422	G2854 G2855 G2856	EX	56	8.03	14.04 14.09 14.14	G	L
500388426	G11388 G11389	IN/EX	49	6	10.05 10.10	G	L
504053804	G11390 G11391				10.15 10.20		
4802126	G3396 G3397 G3398	IN/EX	56	8.03	14.02 14.05 14.15	G	L

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	PI 03-106	M

NOTE remarks

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1987	6	79.14 - 115.14 Eng. 8060.05 79.17 - 115.17 Eng. 8060.25 Turbo 5862 cc.	104	99432652 1904656 4824416 4784888 4803805	IN	4232	S/NT	45.5	8	125.5	E	30°
1990	4	65E14 Eurocargo 75E14 Eurocargo Eng. 8040.45 Turbo 3908 cc.		99432717 99432718 4784889 4784890	EX	4233	R/NT - BM/NT	37.5	8	125.5	E	45°
1990	6	80E15/18 Eurocargo 100E15/18 Eurocargo Eng. 8060.25 Turbo 5861 cc.		1904655 1904654 4806717								
1991	4/6	75E14 Eurocargo Eng. 8040.45 Turbo 3908 cc.										
1991	4/6	80E21 - 100E21 Eng. 8060.45 Turbo 5861 cc.										
1987	4	40NC - 50NC - 55NC Eng. 8040.05 3908 cc. 60.11 - 79.12 Turbozeta Eng. 8040.25.200	104	99432652 1904656 4824416 4784888 4803805	IN	4232	S/NT	45.5	8	125.5	E	30°
	6	60E10 - 65E10 - 65E12 75E12 Eng. 8040.25 B4200 3908 cc. 75PC - 75PM - 80.14 95.14 - 109.14 Eng. 8060.05.200/201 5861 cc.		99432717 99432718 4784889 4784890 1904655 1904654 4806717	EX	4233	R/NT - BM/NT	37.5	8	125.5	E	45°
1990	6	Eurocargo 120/130E23 Eng. 8060.45S- Turbo 5861 cc.	104	98497235 99433902	IN EX	6264 6265	S/CR BM/CR	46 38.3	9 9	141.2 141.2	E E	30° 45°
1962	4	Cerbiatto - Lupetto Daino Tigrotto 4.8 Ton Eng. CO2D 4397 cc.	108	8806875 8806876 8821781 8821782	IN/D EX IN/D EX	1490 1491 3290 3291	S S S S	41 36 41 36	8 8 8 8	171 171 171 171	M M E E	45° 45° 45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4802126	G3396 G3397 G3398	IN/EX	56	8.03	14.02 14.05 14.15	G	L
4802126	G3396 G3397 G3398	IN/EX	56	8.03	14.02 14.05 14.15	G	L
98435241EZ	G11100 G11072	IN	81	9.02	15.02 15.07	G	C.I.
98474643EZ	G11074* G11075 G11083*	EX	70	9.02	15.02 15.07	G	C.I.
8504773	G2519 G2520 G2521	IN/EX	82	8	14.05 14.10 15.15	G	L

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	PI 03-106	M
98471524	PI 03-106	M

NOTE remarks
C.I. * G11074 Ø 12 C.I. * G11083 Ø 13

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1966	4	Leoncino A15 Cerbiatto Tigrotto 50/55/65/75 OM80/90/100/110 Eng. CO3 4940 cc.	110	8823545 8823544 8823549	IN/D EX EX	3329 3330 3331	N/NT S/NT BM/NT	43 36.5 36.5	8 8 8	138 138 138	E E E	45° 45° 45°
1968	6	673N/NR/T - 130 R/T OM 100/120/130 Eng. CP3 7410 cc.										
1991	6	150/180E27R Eurocargo Eng. 8360.46 Turbo 490E2 - 523/590E2 Bus 370SE Cityclass 22/27 180/190E24 Eurotech Eng. 8360.46B/R/V Turbo Europolis 200E.10.20 Eng. 8360SCR22A00 Turbo 7685 cc.	112	98497241 99438924	IN EX	4892 4893	BM/CR BM/CR	47 42.5	9 9	142 142.3	E E	25° 45°
1977	4	50/55/60/65/70/79 Eng. 8340.04 4570 cc. A70.12 Eng. 8340.05 5400 cc.	115	8824754 4821709 8825776 8830045	IN/D EX	3438 3439	S/NT S/NT - BM/NT	48.5 41	8 8	137.5 137.5	E E	45° 45°
1979	6	150NC17 - 150NR/NT 159NC17 Eng. 8360.03 8100 cc. 120/140/150 Eng. 8360.04 8102 cc. 120/150/159 Eng. 8360.05 8102 cc.										
	6	Tector Eng. F4AE681A/E 24V 5880 cc.	115	4895052 4895051	IN EX	6500 6501	S/CR BM/CR	33 33	7 7	124.6 124.2	EE EE	30° 45°
1998	6	Euromover 190/260 E24 Eurotech 190/260/440 E 31 Eurotech 190/260/400 E 35 Cursor 8 24V Eng. F2BE0681/0682 7790 cc.	115	99456803 500354685 604042365 99457210 500354687 504042363	IN EX	6266 6267	BM/CR BM/CR	40 39	8 8	174.5 173.3	E E	30° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4758794 4758795 4758796 4758798	G2365 G2366 G2367 G2368 G2369 G2370	IN EX	55 62	8 8	14.05 14.10 14.15 14.05 14.10 14.15	G G	C.I. L
4861816 4861818 4861811 4861813	G11077 G11078 G11079 G11080 G11081 G11082	IN EX	62 57	9.02 9.02	16.05 16.10 16.25 16.05 16.10 16.25	G G	L C.I.
4758794 4758795 4758796 4758798	G2365 G2366 G2367 G2368 G2369 G2370	IN EX	55 62	8 8	14.05 14.10 14.15 14.05 14.10 14.15	G G	C.I. L
500391440 500391436	G11407 G11408 G11409 G11410	IN EX	75.5 75.5	8.02 8.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.-U

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4753580	PI 03-107	M
4753580	PI 03-107	M

NOTE remarks

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1963	6	308 - 308L - 309 331A - 340 - 350 Eng. 220H/8200.11 409 - 420 Bus 643N/N1 Eng. 8200.01.220 9161 cc.	120	4535494	IN	1488	S/NT	50	10	161	E	45°
				4535495	EX	1489	R/CR	44	10	161	E	45°
1986 1987	6	175.24.00 190.32 GV-TRU 220-260.32 TRU Eng. 8460.21.202	120	61320722 61316814 61318428	IN	4772	BM/CR	49.5	9	147.3	EE	30°
1991				61321255 61315973	EX	4773	BM/CR	42.5	9	146	EE	45°
1986 1987	6	175.24RSU - 370S24 190/240.24 Turbotech 480/580/680 Turbocity Eng. 8460.21 Eng. 8460.21B	120	61320722 61316814 61318428	IN	4772	BM/CR	49.5	9	147.3	EE	30°
1990				61321255 61315973	EX	4773	BM/CR	42.5	9	146	EE	45°
1987	6	190/220/260.32 Turbotech 190/240.32GV Turbotech 370 SE Eoroclass 29/35 Eng. 8460.41	120	61320722 61316814 61318428	IN	4772	BM/CR	49.5	9	147.3	EE	30°
1990												
1990	6	Eurotech/Eurotrakker 180/190/240/260/400E30 Eng. 8460.41C Turbocity 480 Eng. 8460.41D/E 9500 cc.	120	61320722 61316814 61318428	IN	4772	BM/CR	49.5	9	147.3	EE	30°
1990												

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4525822	G2325 G2326 G2327	IN/EX	80	10.03	17.03 17.08 17.13	G	L
4534031	G2328* G2329 G2330	IN/EX	80	10.03	17.03 17.08 17.13	G	L
61585072	G3228 G3229	IN/EX	67	9	16.05 16.10	G	L
61585072	G3228 G3229	IN/EX	67	9	16.05 16.10	G	L

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	PI 03-109	M

NOTE remarks
* FORO LATERALE

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1990	6	Eurotech/Eurotrakker 180/190/240/400/440E34 190/260/330/340/380/400 440/E34 Eng. 8460.41K Euroclass HD 180/190 Euroclass HD 240/260 Eurotech 400/1440E38 Eurostar/Eurotech 180/190 Eurostar/Eurotech 240 400/440E38 Eng. 8460.41L/M/N Euroclass/Eurorider 29 Eng. 8460.41R Euroclass/Eurorider 35370 SE Eng. 8460.41S Eurotech 240E25 Eng. 8460.41T Eng. 8460 SI 00A028 Eng. 8460 SRI 20A005 Eng. 8469 SG.10 Eng. 8469 SRG 211/212 Eng. 9718241K.4046 9500 cc.	120	61320722	IN	4772	BM/CR	49.5	9	147.3	EE	30°
				61316814 61318428 61321255 61315973	EX	4773	BM/CR	42.5	9	146	EE	45°
1970	6	684N/NP/T - 690NA 331A - 343A/E Bus 418 Bus 308 - 308I - 309A - Eng. 8200.02 - 8200.12 9819 cc.	122	4684088	IN	3471	XB/NT	51	10	161	E	45°
				4684089	EX	3472	BM/CR	45	10	161	E	45°
1974	6	343L Bus Eng. 8200.13 10308 cc.	125									
1974	6	106NC/NT/R 684T Eng. 8200.03 10308 cc.										

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
61585072	G3228 G3229	IN/EX	67	9	16.05 16.10	G	L
4647838	G2353 G2354	IN	80	10.03	17.03 17.08	G	L
4647842	G2356 G2357	EX	70	10.03	17.03 17.08	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	PI 03-109*	M



NOTE remarks
* only eng. Ø 122

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1975	6	130/150.20NC/NR/NT 140.20 - 150N/R20 159/170.20/NC 190 - 190.20 Eng. 8220.02 X200 370/470.20 Bus 470/570.20 670.20 Bus S-U Effeuno Eng. 8220.12	125	61584588 61583970E 61579364 61584589 61583972E 61579824	IN	3665	S/CR	53.5	9	141.5	E	30°
1982		165.24/R - 180.24 370/470/671.24 Bus Inbus AS 250 - I 120 U Effeuno Turbo Eng. 8220.02 Turbo Eng. 8220.22/32Turbo 9570 cc.			EX	3666	BM/CR	46	9	141.5	E	45°
1961	6	682 N1/N2/N3/N4 682T/T2/RN2 690 N1/N2/T1/T2 303 - 306 Bus 405 - 410 - 411 Bus Eng. 203 - 203H - 310H 10676 - 11548 cc.	125 130	4535358 4535359 4632840	IN EX EX	1378 1379 1478	S/NT S/NT BM/NT	56 49 49	11 11 11	166.5 166.5 166.5	E E E	45° 45° 45°
2000	6	Eurostar/Eurotech 190/260 Eurostar/Eurotech 440E40/43 Stralis 260/440 4 40/43 Cursor 10 24V Eng. F3AE0681DA/AE 10300 cc.	125	500355776 500355779	IN EX	6268 6269	BM/CR BM/CR	43 42	9 9	202.9 201.6	E E	30° 45°
1963	6	619/683 N/T 690N3/T3 693 N/N1/T/T1/NB/NP Eng. 221.000 12883 cc.	135	4580688 4632840	IN EX	3251 1478	S/NT BM/NT	58 49	11 11	166.5 166.5	E E	45° 45°
2000	6	Eurotrakker Cursor 13 12900 cc.	135	500355778 500355780	IN EX	6270 6271	S/CR BM/I/CR	47 46	10 10	199.3 198.1	E E	30° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
61585072	G3228 G3229	IN/EX	67	9	16.05 16.10	G	L
978966	G2319 G2320	IN/EX	86	11.03	19.03 19.08	G	F
500391479 500391476	G11338 G11339	IN EX	97 97	9.02 9.02	15.04 15.04	G G	C.I. C.I.-U
4630627 4647763	G2337 G2338 G2340 G2341	IN EX	86 76	11.03 11.03	18.03 18.08 18.03 18.08	G G	L L
500390993 500394994	G11340 G11341	IN EX	97 97	10.02 10.02	16.03 16.03	G G	C.I. C.I.-U

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	PI 03-109	M

NOTE remarks

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1972/81	6	160/170/180/240 170NC - 180N/NC/NT 190NC - 190/260.26 300 - 320 - 330.26.30 370.26 Bus 421A/AL Bus 619N1/T1/N1P/T1P 690N4/T4 691 N/T/S 697 N/T/NP Eng. 8241.02 - 8210.12 13797 cc.	137	4683025 4683026	IN EX	3473 3474	XB/NT BM/CR	59	11	170	E	45°
								49	11	170	E	45°
1981	6	Turbostar 190.33 Turbotech 190.30 Up to eng. N. 259269 Eng. 8210.22 13797 cc.	137	4849522 4673862 4673861	IN EX	4262* 4263*	BM/NT BM/CR	57.5	11	170	E	30°
								48	11	170	E	45°
1981	6	Turbostar 190.33 Turbotech 190.30 From eng. N. 258269 Up to eng. N. 298108 Eng. 8210.22 Eng. 8210.22X 13797 cc.	137	98478407 98474603 4673861	IN EX	6325 4263	BM/CR BM/CR	57.5	11	170	E	30°
								48	11	170	E	45°
1981	6	Turbostar 190.33 Turbotech 190.30 From eng. N. 298109 Eng. 8210.22 13797 cc. 370S30 From eng. N. 298109 Eng. 8210.22X 13797 cc. Eurotrakker 190/380 Eurotrakker 400/720E31 Eng. 8210.22V 13798 cc.	137	98478407 98497025 98474604 98497026	IN EX	6325* 6326*	BM/CR BM/CR	57.5	11	170	E	30°
								48	11	170	E	45°
1992	6	Turbostar/Turbotech 190/220/240/260.36 330.36H Eng. 8210.42 Eng. 8210.42R Up to eng. N. 258269 13798 cc.	137	4849522 4673862 4673861	IN EX	4262* 4263*	BM/NT BM/CR	57.5	11	170	E	30°
								48	11	170	E	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4630627	G2337	IN	86	11.03	18.03	G	L
4647763	G2338 G2340 G2341	EX	76	11.03	18.03 18.08	G	L
4630923	G2343	IN	86	11.03	18.03	G	L
4648237	G2344 G2346 G2347	EX	76	11.03	18.03 18.08	G	L
4630923	G2343	IN	86	11.03	18.03	G	L
4648237	G2344 G2346 G2347	EX	76	11.03	18.03 18.08	G	L
4630923	G2343	IN	86	11.03	18.03	G	L
4648237	G2344 G2346 G2347	EX	76	11.03	18.03 18.08	G	L
4630923	G2343	IN	86	11.03	18.03	G	L
4648237	G2344 G2346 G2347	EX	76	11.03	18.03 18.08	G	L
4630923	G2343	IN	86	11.03	18.03	G	L
4648237	G2344 G2346 G2347	EX	76	11.03	18.03 18.08	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M



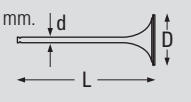




NOTE remarks
*4262 - 4263 Retainer stem end 7.5 mm
* 6325 - 6326 Retainer stem end 10.5 mm
*4262 - 4263 Retainer stem end 7.5 mm

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm. 				
								D	d	L		
1992	6	Turbostar/Turbotech 190/220/240/260.36 From eng. N. 258269 Up to eng. N. 298108 330.36H From eng. N. 258270 Eng. 8210.42 13798 cc.	137	98478407	IN	6325	BM/CR	57.5	11	170	E	30°
				98474603 4673861	EX	4263	BM/CR	48	11	170	E	45°
	6	Eurotech 180/190/240/260 Eurotech 400/440E2 Eurostar 190/240/260 Eurostar 400/440E2 Eurotrakker 190/260/340/380 330.36H Up to eng. N. 298108 Eng. 8210.42L/TCA Eng. 8210.42K 13798 cc.	137	98478407	IN	6325	BM/CR	57.5	11	170	E	30°
				98474603 4673861	EX	4263	BM/CR	48	11	170	E	45°
1992	6	Turbotech/Turbostar 190/220/240/260.36 From eng. N. 298109 Eng. 8210.42 Eurotech 180/190/240/260 Eurotech 400/440E2 Eurostar 190/240/260 Eurostar 400/440E2 Eurotrakker 190/260/340/380 From eng. N. 298109 Eng. 8210.42L/TCA 330.36 H From eng. N. 298109 Eng. 8210.42K 13798 cc.	137	98478407	IN	6325*	BM/CR	57.5	11	170	E	30°
				98474603 98474604 98497026	EX	6326*	BM/CR	48	11	170	E	45°
	6	Eurostar 190/240/260 Eurostar 400/440E7 Eng. 8210.42M 13798 cc.	137	98478407	IN	6325*	BM/CR	57.5	11	170	E	30°
				98474603 98474604 98497026	EX	6326*	BM/CR	48	11	170	E	45°
1992	6	190/440E42 Eurostar Eng. 8210.42 13798 cc.	137	4695850	IN	4838	S/CR	59	11	170	E	45°
				98480846 98479276 99452179	EX	4839	BM/CR	49	11	170	E	45°
1976	6	370 FL - BUS 370.25 Eng. 8260.02 24V 12876 cc.	145	4776446	IN	3519	S/NT	51	10	156.5	E	30°
				4697720 4704215	EX	3520	BM/CR	45	10	156.5	E	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4630923	G2343	IN	86	11.03	18.03	G	L
	G2344				18.08		
4648237	G2346	EX	76	11.03	18.03	G	L
	G2347				18.08		
4630923	G2343	IN	86	11.03	18.03	G	L
	G2344				18.08		
4648237	G2346	EX	76	11.03	18.03	G	L
	G2347				18.08		
4630923	G2343	IN	86	11.03	18.03	G	L
	G2344				18.08		
4648237	G2346	EX	76	11.03	18.03	G	L
	G2347				18.08		
4630923	G2343	IN	86	11.03	18.03	G	L
	G2344				18.08		
4648237	G2346	EX	76	11.03	18.03	G	L
	G2347				18.08		
4672515	G2371	IN/EX	67	10.03	17.03	G	L
4694449	G2372				17.08		
	G2877				17.13		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99449378	PI 03-108	M





**NOTE
remarks**

	* 6325 - 6326 Retainer stem end 10.5 mm
	* 6325 - 6326 Retainer stem end 10.5 mm

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1975/77	8	170 NC/NT33 190 NC33 Eng. 8280.01 32V	145	4776446 4697720 4704215	IN EX	3519 3520	S/NT BM/CR	51 45	10 10	156.5 156.5	E E	30° 45°
1976	8	170/190 NC/NT35 170/190/220/240/260/330 370.35 Eng. 8280.02 32V 17174 cc.										
1985	8	190.38 Turbostar 190.42 Turbostar 220/240.38TRU -320.45 Eng. 8280.22 32V Turbo 17174 cc.	145	4797715 4797186 1904657 4813201 4808415 1904658	IN EX	4260 4259	BM/NT BM/NT	51.5 45	10 10	156.5 156.5	E E	30° 45°
1992	V8	Turbostar 190/240/260.48 Eurostar 190/240/260/400 Eurostar 440E52 Eng. 8080.42/S 32V Turbo 17173 cc.	145	4846130 99457452 99444133 4828299 99444132	IN IN EX	4721 6274 4722	BM/CR BM/CR BM/CR	51.6 51.5 45	10 10 10	157.3 157.3 156	E E E	30° 25° 45°

JAGUAR

1961/69	6	2.4 Mk.II 2482 cc.	83	ECH1547 EAC1548	IN EX	956 955	S R/NT	44.5 41	7.9 7.9	106 103.5	EE EE	45° 45°
1957/69	6	XK 150 - 150S Mk VIII 3.4 Mk.II/S 3442 cc.										
1968/73	6	XJ6 Series 1 Sovereign Series 1 2792 cc.	83									
1975	6	XJ 6 XJ 3.4 Series 2 Sovereign Series 2 3442 cc.										
1959/69	6	XK 150 - 150S MK .IX 3782 cc.	86.99									
1965/79	6	MK.X - 420 G XJ 6 - XJ 4.2 4235 cc.	92.075									

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4672515 4694449	G2371 G2372 G2877	IN/EX	67	10.03	17.03 17.08 17.13	G	L
4672515 4694449 4694450	G2371 G2372 G2877 G2373	IN/EX	67	10.03	17.03 17.08 17.13 17.23	G	L
4672515 4694449 4694450	G2371 G2372 G2877 G2373	IN/EX	67	10.03	17.03 17.08 17.13 17.23	G	L
C26198 C26195	G2392 G2393	IN EX	46 49	7.91 7.91	12.78 12.78	G G	L L

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99449378	PI 03-108	M
99449378	PI 03-108	M
99449378	PI 03-108	M





NOTE remarks

IVECO

JAGUAR

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
JEEP DIESEL												
1986	4	Cherokee 2.1 TD Eng. J8S.708/712/714 2068 cc.	86	7701462232 7701461339	IN EX	3639 3640	S BM	40 33.5	8 8	111.5 111.6	E E	45° 45°
2001	5	Grand Cherokee 2.7 CRD Eng. OM 665.921 - 16V 2686 cc.	88	05073735AA 05073738AA	IN EX	6173 6174	S/NT R/NT	30.1 28.4	7 7	104 104.4	I I	45° 45°
1995/99	4	Cherokee 2.5 TD Grand Cherokee 2.5 TD Eng. M51-M52 Eng. HR425-HS492 2499 cc.	92	04720146 04720148	IN EX	3598 3599	R/CR R/CR	40 34	8 8	121 121	E E	35° 45°
2003	4	Cherokee 2.8 CRD 2776 cc.		05066770AA 05066769AA	IN EX	6460 6461	S/CR BM/CR	32.4 30.9	6 6	109 108.3	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7701462486	G3251 G3252	IN/EX	49	8.01	13.06	B	C.I.
	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
	G3126 G3127	IN/EX	55	8	14.07 14.12	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0021	I







NOTE remarks

JEEP DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
JOHN DEERE												
1968/75	3	Tractor 820 - 920 - 1020 Eng. 310/510 2490 cc.	98	T20174T CDX0881 R52251	IN	3515	S/CR	45	9.45	131	M	45°
	4	Tractor 2020 Eng. 710 3320 cc.		R79623 T20157T CDX0634A	EX	3516	R/CR	40	9.45	131	M	45°
1968	3	Tractor 830 - 890 - 930 1030 - 1035 - 1120 1830 - 2120 - 2040 Eng. 3164 DL 2690 cc.	102	R52252 R79624								
1968	4	Tractor 2030 - 2035 3030 Eng. 4219 DL 3590 cc.										
1973	6	Tractor 3030 - 3130 3135 Eng. 3239 DL 5380 cc.										
1974	3	Tractor 940 - 1040 - 1140 - 1630 Eng. 3239 DL 2938 cc.	106.5									
1974	4	Tractor 1640 - 1840 - 2040 - 2130 - 2140 Eng. 4239 DL 3918 cc.										
1974	6	Tractor 3040 - 3140 Eng. 6359 DL 5876 cc. O/S Stem dia 0.003			IN	3897	S/CR	45	9.52	131	M	45°
					EX	3898	R/CR	40	9.52	131	M	45°
		Stessa applicazione spessore testa maggiorato 1 mm			IN	3920	S/CR	45	9.45	131	M	45°
					EX	3921	R/CR	40	9.45	131	M	45°
	3	Tractor 1020 - 1120 T Eng. 3164 D 2690 cc.	102	R89219 R51735 T20157T	IN	4372	R/CR	46	9.45	131	M	30°
	4	Tractor 2120 T Eng. 4219 D 3590 cc.		CDX0634A R52252 R79624	EX	3516	R/CR	40	9.45	131	M	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

JOHN DEERE





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
KIA												
2000	4	Rio 1.5 i 16V Eng. A5D 1493 cc.	75.5	OK30E-12111 OK30E-12121	IN EX	6419 6420	S/NT R/NT	27.8 24.9	5.5 5.5	96.4 95.5	S S	45° 45°
2002/04	4	Carens 1.6 i 16V Eng. G4ED 1599 cc.	76.5	22211-26600 22212-26000	IN EX	6241 6242	S/NT R/NT	29.1 25	6 6	91.9 92.4	S S	45° 45°
2001	4	Magentis 2.0 i 16V Eng. G4JP 1997 cc.	85	22211-33000 22212-33000	IN EX	6248 6249	S/NT R/NT	34 30.5	6.5 6.5	109.5 109.7	S S	45° 45°
1999/04	4	Clarus 2.0 i 16V Sportage 2.0 i 16V Eng. FE16V	86	K930-12111 K930-12121	IN EX	6421 6422	S/NT R/NT	38 32	7 7	103.3 102.8	E E	45° 45°
2004	V6	Sportage 2.7 i V6 24V Eng. G6BA 2656 cc.	86	22211-37201 22212-37200	IN EX	6409 6410	S/NT R/NT	32 27,5	6 6	96.2 97,3	S S	45° 45°
KIA DIESEL												
2002 2004 2004	4	Carens 2.0 CRDi 16V Cerato 2.0 CRDi 16V Sportage 2.0 CRDi 16V Eng. D4EA 1991 cc.	83	22211-27000/01 22212-27000/01	IN EX	6239 6240	S/NT R/NT	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
1994	4	Sportage 2.0 TD Eng. RF 1998 cc.	86	RF01-12111 RF01-12121B	IN EX	4390 4391	S/NT R/NT	41 36	8 8	107 106.8	EE EE	45° 45°
1996	4	Besta 2.2 D Eng. R2 2184 cc.	86	RF01-12111 RF01-12121B	IN EX	4390 4391	S/NT R/NT	41 36	8 8	107 106.8	EE EE	45° 45°
1998	4	Sportage 2.0 TD 1998 cc.	86	12911-78E00 12915-78E00	IN EX	6333 6334	S/NT R/NT	39.4 35.1	8 8	106.8 106.7	EE EE	30° 45°
2003	4	Sorento 2.5 CRDI 16V Eng. D4CB 2497 cc.	91	22211-4A061 22212-4A061	IN EX	6466 6467	S/NT R/NT	31.7 28	7 7	110.5 110.5	I I	45° 45°
2002 2004 2005	4	Pregio 2.5 TD Pregio 2.5 TDI/TCI K2500 2.5 Tci Eng. D4BH 2476 cc.	91.1	22211-42520 22212-42520	IN EX	6102 6103	BM/NT BM/NT	40 34	8 8	130.2 130	EE EE	45° 45°
1998	4	Carnival 2.9 TDI 16V J3 2902 cc.	97.1	OK5511-2111A OK5511-2121A	IN EX	6171 6172	S/NT R/NT	34 31.6	7 7	126.2 126	E E	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2001	4	Carnival 2.9 CRDI 16V Eng. J3TCI 2902 cc.	97.1	OK5511-2111A	IN	6171	S/NT	34	7	126.2	E	45°
				OK5511-2121A	EX	6172	R/NT	31.6	7	126	E	45°

KLOECKNER - HUMBOLDT - DEUTZ

1989	2	Eng. F2L 1011 1366 CC.	91	427 2209	IN	6187	S/CR	40	8	124.7	I	45°								
	3	Eng. F3L1011 2049 CC.		417 0898									IN	6521	BM/CR	41.6	8	124.8	I	30°
	4	Eng. F4L1011 2732 cc.		428 0404									EX	6188	R/CR	34.9	8	124.7	I	45°
				417 0899																
1993	4	Eng. BF 4M 1012 3200 cc.	94	420 8095	IN	6141	S/CR	41.7	8	124.7	I	30°								
1994	6	Eng. BF 6M 1012 4800 cc.		420 8096	EX	6142	R/CR	35.9	8	124.7	I	45°								
				428 0350	IN	6377	BM/CR	41.2	8	124.7	I	45°								
				428 0049	EX	6376	BM/CR	35.5	8	124.7	I	45°								
1963/97	1	Tactor D15 Eng. F1L812 850 cc.	95	415 3773	IN	3351	R/CR	43	8	133	E	45°								
				415 3696	EX	3352	R/CR	37	8	133	E	45°								
	2	Tractor D30 - D2005 Eng. F2L812 1700 cc.		213 3730	IN	4556	R/CR	40	8	133	E	45°								
				337 1746	EX	4557	R/CR	35	8	133	E	45°								
	3	Tractor D40 Eng. F3L812 2550 cc.																		
	4	Tractor D50 Eng. F4L812 3400 cc.																		
6	Tractor D8005 Eng. F6L812 Stessa applicazione spessore testa maggiorato 1 mm				IN	4166	R/CR	43	8	133	E	45°								
					EX	4167	R/CR	37	8	133	E	45°								

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0423 1976	G11386	IN/EX	55.5	8	15.05	G	C.I.
0427 2011	G11449	IN/EX	50.5	8	12.50	G	C.I.
0422 0708	G11381	IN/EX	57.5	8	15.03	G	C.I.
0423 1976	G11386	IN/EX	55.5	8	15.05	G	C.I.
0422 0708	G11381	IN/EX	57.5	8	15.03	G	C.I.
223 2528	G2818	IN/EX	57.5	8	15.05	G	L
	G2819				15.10		
	G2820				15.15		
223 3020	G2821				15.25		
155085004	G2154 G2811	IN/EX	60	8	15.05 15.10	G	L
155084506	G2156 G2815	IN/EX	60	8	17.05 17.10	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

KIA DIESEL

KLOECKNER - HUMBOLDT - DEUTZ

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.												
								D	d	L										
1967/72	2	Tractor D2506 - 3006 Eng. F2L912D 1885 cc.	100	415 3773 415 3696	IN	3351	R/CR	43	8	133	E	45°								
					EX		3352						R/CR	37	8	133	E	45°		
	3	Tractor D4006A - 5006A Eng. F3L912D 2826 cc.																		
	4	Tractor D5506A Tractor D60086A Tractor D2003A Eng. F4L912D 3768 cc.																		
	5	Tractor DX 85/90 Eng. F5L912D 4712 cc.																		
	6	Tractor D2005A Tractor D9006A Eng. F6L912D 5652 cc. Stessa applicazione spessore testa maggiorato 1 mm											IN	4166	R/CR	43	8	133	E	45°
					EX	4167	R/CR	37	8	133	E	45°								
1972/92	2	Eng. F2L912W 1884 cc.	100	415 3629 415 3696	IN	3351	R/CR	43	8	133	E	45°								
					EX		3352						R/CR	37	8	133	E	45°		
	3	Eng. F3L912W 2826 cc.																		
	4	Eng. F4L912W 3768 cc.																		
	5	Eng. F5L912W 4710 cc.																		
	6	Eng. F6L912W 5652 cc. Stessa applicazione spessore testa maggiorato 1 mm											IN	4166	R/CR	43	8	133	E	45°
					EX	4167	R/CR	37	8	133	E	45°								
1979	1	Eng. F1L511W 825 cc.	100	415 3631 415 3697	IN	3351	R/CR	43	8	133	E	45°								
					EX		3352						R/CR	37	8	133	E	45°		
1971	6	Eng. BF6L912 Turbo 5640 cc.																		
1974		Eng. F6L913 Turbo 6128 cc. Stessa applicazione spessore testa maggiorato 1 mm			IN	4166	R/CR	43	8	133	E	45°								
					EX	4167	R/CR	37	8	133	E	45°								

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
223 2528	G2818	IN/EX	57.5	8	15.05	G	L
223 3020	G2819				15.10		
	G2820				15.15		
	G2821				15.25		
223 2528	G2818	IN/EX	57.5	8	15.05	G	L
223 3020	G2819				15.10		
	G2820				15.15		
	G2821				15.25		
223 2528	G2818	IN/EX	57.5	8	15.05	G	L
223 3020	G2819				15.10		
	G2820				15.15		
	G2821				15.25		

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

KLOECKNER - HUMBOLDT - DEUTZ





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.						
								D	d	L				
1993	3	Eng. F3L912 2830 cc.	100	423 0567				43	8	133	I	45°		
		Eng. F3L912W 2826 cc.		415 9138									415 9136	IN
	4	Eng. F4L912 3770 cc.		102	415 9137				44.9	8	133	I	45°	
		Eng. F5L912 4710 cc.			415 9139									423 5952
	5	Eng. F5L912W 5600 cc.			423 1804					46	8	133	I	30°
		Eng. F6L912 6130 cc.												
	6	Eng. F6L912W 5600 cc.			422 0142					42	8	133	I	45°
		Eng. F6L913 3060 cc.												
	3	Eng. F3L913 3060 cc.			422 0143					46	8	133	I	30°
		Eng. F4L913 4090 cc.												
4	Eng. F4L913 4090 cc.	422 0142						42	8	133	I	45°		
	Eng. F6L913 6130 cc.												422 6412	EX
1968/80	V6	Eng. F6L413 8480 cc.	120	240 2585				53.6	10	165	E	45°		
		Eng. F8L914 12667 cc.		414 6226									414 6225	IN
	V8	Eng. F8L413 11310 cc.		125	241 2165				53.6	10	165	E	45°	
		Eng. F10L413 14702 cc.			214 8907									241 2165
	V10	Eng. F12L413 16965 cc.			125					53.6	10	165	E	45°
		Eng. F6L 413F Eng. BF6L413F - Turbo												
	V8	Eng. F8L413F Eng. BF8L413F - Turbo 12763 cc.			125					53.6	10	165	E	45°
		Eng. F10L413F Eng. BF10L413F-Turbo 15945 cc.												
	V10	Eng. F12L413F Eng. BF12L413F-Turbo 19140 cc.			125					53.6	10	165	E	45°
		Eng. F6L 413F Eng. BF6L413F - Turbo 12763 cc.												
V12	Eng. F12L413F Eng. BF12L413F-Turbo 19140 cc.	125						53.6	10	165	E	45°		
	Eng. F12L413F Eng. BF12L413F-Turbo 19140 cc.												241 2165	214 8907

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.												
								D	d	L										
1989/92	V6	Eng. BF6L513RC 9572 cc.	125	240 2585				53.6	10	165	E	45°								
	V8	Eng. BF8L513 12763 cc.		414 6226									IN	4491	S/CR	46.6	10	165.3	E	45°
	V10	Eng. BF10L513 15953 cc.		414 6225									EX	4492	R/CR					
	V12	Eng. BF12L513 19144 cc.		241 2165																
				214 8907																
1993	V6	Eng. F6L413F 9572 cc.	125	418 5770	IN	6033	S/CR	53.6	10	165	I	45°								
	V8	Eng. F8L413F 12763 cc.		418 5461	EX	6032	BM/CR	46.6	10	165.3	I	45°								
	V12	Eng. F10L413F 15945 cc.		424 0712																
1993	V6	Eng. BF6L413FW Eng. BF6L513	125	418 5463	IN	6247	S/CR	53.6	10	165.8	I	30°								
	V8	Eng. BF8L413FW Eng. BF8L513		424 0714	IN	6382	S/CR	56.5	10	165.4	I	30°								
	V10	Eng. BF10L413FW Eng. BF10L513		424 0713	EX	6032	BM/CR	46.6	10	165.3	I	45°								
	V12	Eng. BF12L413FW Eng. BF12L513		418 5461																
				424 0712																

LADA

1972	4	1200	76	21011007010	IN	3447	S	37	8	112.5	E	45°
		Vaz 1011 - 2101 - 2102 1198 cc.		4183269	EX	3448	R	31.5	8	113	E	45°
		1500	79	21011007012								
		Vaz 2103 1451 cc.		4183270								
		1600 - Niva 4X4										
		Vaz 2106 - 2107 - 2121 1568 cc.										
		1300										
		Vaz 21011- 21033 1294 cc.										
1990	4	Samara 1.1 1099 cc.	76	210811007010	IN	4388	S/NT	35	8	103.7	I	45°
		Samara 1.3 1288 cc.		21081007012	EX	4389	R/NT	31.5	8	104	I	45°
1989	4	Samara 1.5 1499 cc.	82	21081007010	IN	4387	S/NT	37	8	103.7	I	45°
				21081007012	EX	4389	R/NT	31.5	8	104	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
	4	110 1.5 16V 111 1.5 16V 112 1.5 16V 1499 cc.	82	2112-1007010 2112-1007012	IN EX	6468 6469	S/NT R/NT	29.2 25.5	7 7	96 97.2	I I	45° 45°
	4	Niva 1.7 MPI 1690 cc.										
LADA DIESEL												
1993	4	Niva 4X4 1.9D Eng. D9A-XUD9 1905 cc.	83		IN EX	4243 4810	S/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
LANCIA												
1985	4	Y 10 Fire Eng. 156A2.000	70	5942727 7666228	IN	4168	S/CR	30.4	7	97.1	EE	45°
1989		Y10 Selectronic Eng. 156C 1108 cc.		5942728 7666227	EX	4169	R/CR	27.3	7	97.2	EE	45°
1996/97	4	Y 1.1 Elefantino Blu Eng. M609MA.11.C 1108 cc.	70									
1996	4	Y 1.1 ie 8V Eng. 176B2.000 1108 cc.	70	46436048 7666227	IN EX	4686 4169	S/CR R/CR	31.5 27.3	7 7	97.1 97.2	EE EE	45° 45°
1996		Y 1.2 ie 8V Eng. 840A3.000 - 188A4.000 1242 cc.	70.8									
2003/04	4	Ypsilon 1.2 ie Eng. 188A4.000 Up to eng. N. 2533527 1242 cc.	70	7770334 7666227	IN EX	4686 4169	S/CR R/CR	31.5 27.3	7 7	97.1 97.2	EE EE	45° 45°
1997	4	Y 1.2 ie 16V Eng. 176B9.000 1242 cc.	70.8	46403681 46471639	IN EX	4876 4877	S/CR R/CR	26.8 22.4	6 6	95 96.2	I I	45° 45°
2000/03	4	Y 1.2 ie 16V Eng. 188A5.000 Up to eng. N. 985540 1242 cc.	70.8	46403681 46471639	IN EX	4876 4877	S/CR R/CR	26.8 22.4	6 6	95 96.2	I I	45° 45°
2004	4	Ypsilon 1.2 ie Eng. 188A4.000 From eng. N. 2533528 1242 cc.	70.8	55194993 55194994	IN EX	6411 6412	S/CR BM/CR	31.9 27.3	5 5	98.4 98.7	I I	45° 45°
2003/04	4	Ypsilon 1.2 ie 16V Eng. 188A5.000 From eng. N. 985541 1242 cc.	70.8	55185028 55185080	IN EX	6506 6507	S/CR R/CR	26.8 22.5	6 6	95.2 94.7	I I	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.75	G3163 G3164 G3165 G3528 G11025	IN/EX	52	8.02	14.05 14.10 14.15	B	L
		IN/EX	48	8.02	14.05 14.10	B	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
7765039 7780108	G3554 G3586	IN/EX	40.4	7.03	13.04 13.07	G	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
7765039 7780108	G3554 G3586	IN/EX	40.4	7.03	13.04 13.07	G	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
	GS2196	IN/EX	42.5	7.03	13.04	SM	C.I.
46518800	G11069 G11070 G11071	IN/EX	39.7	6.02	10.03 10.07 10.24	G	C.I.
46518800	G11069 G11070 G11071 GS11069	IN/EX	39.7	6.02	10.03 10.07 10.24	G	C.I.
		IN/EX	39.7	6.02	10.03	SM	C.I.
55190559	G11425 G11426	IN/EX	44	5.00	10.03 10.08	G	C.I.
73500256	G11069	IN/EX	39.7	6.02	10.03	G	C.I.
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
59422730	PI 03-105	M
5942273	PI 03-105	M
5942273	PI 03-105	M
46448011 46765629	PI 06-0002	I
46448011 46765629	PI 06-0002	I
55200250	PI 03-110	M
55193839	PI 06-0033	I



NOTE
remarks

LADA

LADA DIESEL

LANCIA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2003 2004	4	Ypsilon 1.4 16V Musa 1.4 16V Eng. 843A1.000 Up to eng. N. 984712 1368 cc.	72	46403681 46471639	IN EX	4876 4877	S/CR R/CR	26.8 22.4	6 6	95 96.2	I I	45° 45°
2006	4	Ypsilon 1.4 16V Musa 1.4 16V Eng. 843A1.000 From eng. N. 984713 1368 cc.	72	55185028 55185080	IN EX	6506 6507	S/CR R/CR	26.8 22.5	6 6	95,2 94.7	I I	45° 45°
1985	4	Y 10 Touring Eng. 156A.000 1049 cc.	76	4412816 4412822 4340119	IN EX	3592 3529	S/CR R/CR	36.5 29	8 8	110 110.5	EE EE	45° 45°
1985	4	Y 10 Turbo Eng. 156A1.000 1049 cc.	76	5997328 5985066	IN EX	4172 4173	S/CR R/CR	36.5 29	8 8	110 110	EE EE	45° 45°
1979	4	Delta 1300 Prisma 1300 Eng. 831AB 1301 cc.	76.1	4239917 4315062 4239918 5973128	IN EX	3323 3324	S/CR R/CR	36 31	8 8	108.5 109	EE EE	45° 45°
1972 1972	4 4	Beta 1400 Eng. 828.A.B2 1438 cc. Beta 2000 Coupè Eng. 828.A.B4 Beta 2000 Montecarlo Eng. 828.B1. 1995 cc.	80 84	4255694 4359309 5975341	IN EX	3241 3563	R/CR R/CR	42 36.5	8 8	106.5 106	EE EE	45° 45°
1972	4 4	Beta 1600 1592 cc. Beta 1800 1756 cc.	80 84	4300760 4359309 5975341	IN EX	3453 3563	R/CR R/CR	42.5 36.5	8 8	106 106	EE EE	45° 45°
1994/99	4	Delta 1.4 ie Eng. 160A1.046 Eng. 836A4.000 1372 cc.	80.5	7609772 5973128	IN EX	4252 3324	S/CR R/CR	37.5 31	8 8	108.5 109	EE EE	45° 45°
1996/99	4	Dedra 1.6 ie 16V Eng. 182A4.000 1596 cc.	80,5	46517325 46461209	IN EX	4780 4781	S/CR R/CR	30.4 29.7	7 7	102.5 102.8	EE EE	45° 45°
1996/00	4	Y 1.4 ie 12V Eng. 840A4.000-840A2.000 1371 cc.	82	7712114 46413334	IN EX	4778 4779	S/CR R/CR	30.3 35.5	7 7	110.5 110.5	EE EE	45° 45°
1996/99	4	Dedra 1.8 ie 16V Delta 1.8 ie 16V Eng. 182A2.000 Eng. 181A1.000 1747 cc.	82	7766564 7766565 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
46518800	G11069 G11070 G11071	IN/EX	39.7	6.02	10.03	G	C.I.
	GS11069	IN/EX			10.07		
73500256	G11069 GS11069	IN/EX	39.7	6.02	10.03	G	C.I.
		IN/EX			10.03		
4372602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06	G	C.I.
					15.11		
4372602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06	G	C.I.
					15.11		
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06	G	C.I.
					14.11		
4250801 4371508 4250803 4372160	G2231 G2232 G2235 G2236	IN EX	42 46.5	8.03 8.03	14.06 14.11 14.06 14.11	G G	C.I. C.I.
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06	G	C.I.
					14.11		
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06	G	C.I.
					14.11		
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
7756897 7757052	G3531 G11007 GS3531	IN/EX IN/EX	42 42	7.02 7.02	13.03 13.08 13.03	G SM	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46448011 46765629	PI 06-0002	I
55193839	PI 06-0033	I
4152447	PI 03-102	M
4152447 60800018	PI 03-102	M
46465330	PI 06-0004	I
7778140	PI 06-0006	I
46465330	PI 06-0004	I

 NOTE
remarks

LANCIA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1999	4	Lybra 1.8 ie 16V Eng. 839A4.000 Eng. 839A7.000 1747 cc.	82	7766564 7766565 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°
1994 1998	5	Kappa 2.0 ie 20V Eng. 838A1.000 Kappa 2.0 ie 20V Eng. 175A3.000 1998 cc.	82	7735898 7735899	IN EX	4738 4739	S/CR BM/CR	30 26	7 7	113 108.5	I I	45° 45°
1996 1999	5	Kappa 2.0 ie 16V Eng. 838A6.000 Lybra 2.0 ie 16V Eng. 1282B7.000 - 185A8.000 1998 cc.	82	7766564 7766565	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°
2001	5	Thesis 2.0 20V Turbo Eng. 841E.000 1998 cc.	82	7766564 7766565	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°
1994	5	Kappa LS - LX20V Eng. 838A2.000 - 838B2.000 2446 cc.	83	7766564 7766565 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°
2001	5	Thesis 2.4 ie 20V Eng. 841D.000 2446 cc	83	7766564 7766565 60674496	IN EX	4728 4729	S/CR R/CR - BM/CR	33.5 28	7 7	113.1 108.6	I I	45° 45°
1975	4	Beta 1600 - Trevi 1600 Eng. 828B.000 1585 cc. Beta 2000 - Trevi 2000 Eng. 828B1.000 1995 cc.	84	4255694 4359309 5975341	IN EX	3241 3563	R/CR R/CR	42 36.5	8 8	106.5 106	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1983/89	4	Delta 1600 GT Eng. 168.AR2.000 Delta 1600 HF Turbo Eng. 831A7 Delta 1600 ie GT Prisma 1600 Prisma 1600 ie 1585 cc. Prisma 2000 ie 4WD Thema 2000 ie Eng. 834B.000 1995 cc.	84	4440061 5975341 4469661	IN EX	3761 3762	S/CR R/CR	43.6 36.5	8 8	105 106	EE EE	45° 45°
1986/89	4	Delta 1.6 HF Turbo Eng. 831B7.046 Eng. 831B3.000 1585 cc.	84	7547400 5953041	IN EX	4174 4175	R/CR R/CR - R/AR/CR	43.5 36	8 8	105.5 106	EE EE	45° 45°
1986/88 1984 1984/87	4	Delta 2.0 ie HF Turbo 4WD Eng. 831B5.000 Thema 2.0 ie Eng. 834B1.000 Eng. 834B.000 Thema 2.0 ie Turbo Eng. 834C.000 1995 cc.	84	7547400 5953041	IN EX	4174 4175	R/CR R/CR - R/AR/CR	43.5 36	8 8	105.5 106	EE EE	45° 45°
1987/91	4	Delta 2.0 ie HF Turbo 16V 4WD Eng. 831D5.000 1995 cc.	84	7722907 7650916	IN EX	4730 4731	R/CR R/AR/CR	34.4 28.3	7 7	128 125.5	EE EE	45° 45°
1989/94 1994/99	4	Dedra 1.8 ie Eng. 835A2.046 Eng. 835A2.000 Dedra 1.8 ie Eng. 836A5.000 1756 cc.	84	46406169 7597080	IN EX	4174 3563	R/CR R/CR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1994/99	4	Delta 1.8 ie Eng. 835C2.000 - 835C4.000 Eng. 836C4.000 - 836A5.000 Eng. 836A6.000 1756 cc.	84	46406169 7597080	IN EX	4174 3563	R/CR R/CR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1989/99	4	Dedra 2.0 ie Eng. 835A5.000 Eng. 835A5.046 1995 cc.	84	46406169 7597080	IN EX	4174 3563	R/CR R/CR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508	G2231 G2232	IN	42	8.03	14.06 14.11	G	C.I.
82399099	G2239 G2240	EX	42	8.03	14.06 14.11	B	C.I.
4250801 4371508	G2231 G2232	IN	42	8.03	14.06 14.11	G	C.I.
82399099	G2239 G2240	EX	42	8.03	14.06 14.11	B	C.I.
7616998 7616992	G3205 G3206	IN	51.3	7.02	14.05 14.10	G	C.I.
7611679 7611680	G3208 G3209	EX	51.3	7.02	14.05 14.10	B	C.I.
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M


NOTE
remarks

LANCIA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1989/92	4	Thema 2.0 ie 16V Eng. 834B2.246 - 834B2.000 Eng. 834F1.000 1995 cc.	84	7474739 7958073	IN EX	4347 4348	R/CR R/AR/CR	34.5 28.5	7 7	128 126	EE EE	45° 45°
1988/92		Thema 2.0 ie Turbo 16V Eng. 834C1.246 - 834C1.000 1995 cc.										
1992	4	Thema 2.0 LS Turbo 16V Eng. 834F2.000 1995 cc.	84	7687459 7687469	IN EX	6034 6035	R/CR R/AR/CR	27.5 29.5	7 7	128 125.5	EE EE	45° 45°
1993/94	4	Delta ie HF Turbo 16V 4WD Eng. 834E5.000 Eng. 831E5.046 1995 cc.	84	7722907 7650916	IN EX	4730 4731	R/CR R/AR/CR	34.4 28.3	7 7	128 125.5	EE EE	45° 45°
1994/99	4	Dedra 2.0 ie 16V Delta 2.0 ie 16V Eng. 836A3.000 1995 cc.	84	7722907 7574742	IN EX	4730 4348	R/CR R/AR/CR	34.4 28.5	7 7	128 126	EE EE	45° 45°
1994/99	4	Delta 2.0 ie HF Turbo 16V Eng. 83642.000 Eng. 175A4.000 Kappa 2.0 ie Turbo 16V Eng. 834A4.000 Eng. 838A4.000 1995 cc.	84	7722907 7650916	IN EX	4730 4731	R/CR R/AR/CR	34.4 28.3	7 7	128 125.5	EE EE	45° 45°
2000 2002	4	Zeta 2.0 ie 16V Phedra 2.0 ie 16V Eng. RFN 1997 cc.	85	9623950380 9636001780	IN EX	6113 6114	S R/CR	33.3 29	6 6	106.2 103.6	E E	45° 45
1994	4	Zeta 2.0 ie Turbo Eng. RGX 1998 CC	86	9605936180 9611782880	IN EX	4608 4609	S R/CR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1998/00	4	Zeta 2.0 ie 16V Eng. RFV 1997 cc.	86	9628943380 9629861180	IN EX	6112 6111	S R/CR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1979/82	4	Delta 1300 Prisma 1300 Eng. 831A2.000 1301 cc.	86.4	4460697 4315062	IN EX	3323 3324	S/CR R/CR	36 31	8 8	108.5 109	EE EE	45° 45°
1980/83	4	Delta 1500 Prisma 1500 Eng. 831A1.000 1498 cc.	86.4	4460697 5973129	IN EX	3323 3594	S/CR R/CR	36 33.4	8 8	108.5 109	EE EE	45° 45°
1989/93	4	Dedra 1.6 ie Eng. 835A1.000 1581 cc.	86.4	46531591 5973128	IN EX	4252 3324	S/CR R/CR	37.5 31	8 8	108.5 109	EE EE	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	G3205 G3206	IN	51.3	7.02	14.05 14.10	G	C.I.
7611679 7611680	G3208 G3209	EX	51.3	7.02	14.05 14.10	B	C.I.
7616998 7616992	G3205 G3206	IN	51.3	7.02	14.05 14.10	G	C.I.
7611679 7611680	G3208 G3209	EX	51.3	7.02	14.05 14.10	B	C.I.
7616998 7616992	G3205 G3206	IN	51.3	7.02	14.05 14.10	G	C.I.
7611679 7611680	G3208 G3209	EX	51.3	7.02	14.05 14.10	B	C.I.
	G11315 G11316 G11317	IN EX	40 40	6 6	12.07 12.12 12.07	B G	C.I. C.I.
	G3340 G3341 G3344 G3345	IN EX	43.5 51	8.01 8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
	G11158 G11223 G11159	IN EX	41 41	5.98 5.99	12.07 12.12 12.07	B G	C.I. C.I.
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M
	PI 06-0002	I
	PI 06-0007	I
4152447	PI 03-102	M
4152447 60800018	PI 03-102	M







NOTE
remarks

LANCIA





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1993/99	4	Dedra 1.6 ie Eng. 159B9.000 1581 cc.	86.4	7617500 4315062 4239918 5973128	IN EX	4625 3324	S/CR R/CR	39.5 31	8 8	108.5 109	EE EE	45° 45°
1995	4	Delta 1.6 ie 16V Eng. 182A6.000 Eng. 182A4.000 Up to eng. N. 10784 1581 cc.	86.4	46517325 46462159	IN EX	4780 4781	S/CR R/CR	30.4 29.7	7 7	102.5 102.8	EE EE	45° 45°
1995	4	Delta 1.6 ie 16V Eng. 182A6.000 Eng. 182A4.000 From eng. N. 10785 1581 cc.	86.4	46761369 46761370	IN EX	6153 6154	S/CR R/CR	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°
1999	4	Lybra 1.6i 16V Eng. 182A6.000 Eng. 182A4.000 1581 cc.	86.4	46761369 46761370	IN EX	6153 6154	S/CR R/CR	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°
1994	V6	Thema 3.0 V6 12V Eng. 834F.000 2959 cc.	93	605129820 605129840	IN EX	4385 4386	R/AR R/AR/CR	44 38.5	9 9	104.5 92.2	EE EE	45° 45°
1994	V6	Kappa 3.0 V6 24V Eng. 838.000 Eng. 838.B000 2959 cc.	93	55186770 60560644	IN EX	4610 4611	BM BM/AR/CR	35.7 31.2	7 7	102.1 102.7	I I	45° 45°
2002	V6	Thesis 3.0 ie V6 24V Eng. 841A.000 2959 cc.	93	55186770 60560644	IN EX	4610 4611	BM BM/AR/CR	35.7 31.2	7 7	102.1 102.7	I I	45° 45°
2003	V6	Thesis 3.2 V6 24V Eng. 841A.000 3179 cc.	93	55186770 60560644	IN EX	4610 4611	BM BM/AR/CR	35.7 31.2	7 7	102.1 102.7	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
LANCIA DIESEL												
2003	4	Ypsilon 1.3 16V MJ Eng. 188A4.000	69.6	55195680								
2004	4	Musa 1.3 16V MJ Eng. 188A9.000 1242 cc.		46518930 46518931 55208213	IN EX	6304 6305	S/CR BM/CR	21.9 21.9	6 6	109.2 109.2	I I	45° 45°
2000	4	Lybra 1.9 JTD Eng. AR32302	82	46478834	IN	4941	BM/CR	35.5	8	115.2	I	45°
2004	4	Musa 1.9 MJ Eng. 188B2.000 1910 cc.		55193126 46416321 55202630 46783962	EX	4943	BM/CR	34.47	8	115.1	I	45°
1994	5	Kappa 2.4 TD Eng. 838A3.000 Eng. 838A7.000 2387 cc.	82	7798620 7783225	IN EX	4740 4741	BM/CR BM/CR	37.5 31	8 8	114.5 114.2	I I	45° 45°
1998	5	Kappa 2.4 JTD Eng. 838A8.000	82	46478834	IN	4941	BM/CR	35.5	8	115.2	I	45°
1999		Lybra 2.4 JTD Eng. 839A5.000 Eng. 839A6.000		46750859 46416321 46783962	EX	4943	BM/CR	34.47	8	115.1	I	45°
2002		Eng. AR325.01 Lybra 2.4 JTD Thesis 2.4 JTD Eng. 841C.000 2387 cc.										
2003	5	Thesis 2.4 JTD 20V Eng. 841M.000 Eng. 841N.000 Eng. 841G.000 Eng. 841H.000 2387 cc.	82	46802049 46787902	IN EX	6203 6204	S/CR BM/CR	28 26	6 6	114.40 114.40	I I	45° 45°
1982/92	4	Prisma 1.9 D Eng. 831D.000 1929 cc.	82.6	5990532 5990533	IN EX	3953 3954	S/CR R/CR	37.4 33.5	8 8	117 117	EE EE	45° 45°
1986/89	4	Delta 1.9 TD Prisma 1.9 TD Eng. 831D1.000 Up to eng. N. 674284 1929 cc.	82.6	7547158 5990533	IN EX	4627 3954	R/CR R/CR	37.5 33.5	8 8	116.5 117	EE EE	45° 45°
1986/89	4	Delta 1.9 TD Prisma 1.9 TD Eng. 831D1.000 From eng. N. 674285 1929 cc.	82,6	7547158 7588577	IN EX	4627 4626	R/CR R/CR	37.5 33.5	8 8	116.5 116.5	EE EE	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
46816601 46816602	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L
7565472 46433782 46433783	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
7565472 46433782 46433783	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
7565472 46433782 46433783	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
55186786	G11302 G11303	IN/EX	47	6.02	11.03 11.06	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925	PI 06-0019	I
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M
	PI 06-0019	I
4152447	PI 03-102	M
4152447	PI 03-102	M

NOTE remarks

LANCIA DIESEL

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1996	4	Zeta 2.1 TD 12V Eng. P8C 2088 cc.	85	9600781780	IN	4623	S/CR	33.9	8	122.3	I	45°
				9604295780	EX	4624	BM/AR/CR	33.9	8	121.9	I	45°
1999	4	Zeta 2.0 JTD Eng. RHZ 1998 cc.	85	9624774280	IN	6092	S/CR	35.6	6	107.1	I	45°
				9624774580	EX	6093	BM/CR	33.8	6	107.1	I	45°
2001 2002	4	Zeta 2.0 JTD 16V Eng. RHW Phedra 2.0 JTD 16V Eng. RHW-RHM-RHT 1997 cc.	85	9635317980	IN	6161	S/CR	29.9	6	106.2	I	45°
				9635318480	EX	6162	BM/CR	25	6	106.1	I	45°
2002	4	Phedra 2.2 JTD Eng. 4HV 2179 cc.	85	9627184380	IN	6163	S/CR	29.8	6	105	I	45°
				9634437580	EX	6164	BM/CR	25	6	105	I	45°
1984/94	4	Thema Td Eng. 8144.91 Eng. 8144.97 2445 - 2499 cc.	93	7301820	IN	3989	R/NT - BM/NT	41	8	120.7	EE	30°
				7302157	EX	3991	R/CR - BM/CR	34.5	8	122	EE	45°

LAND ROVER

1987	4	Land Rover Santana Suzuky engine SJ 413 1325 cc.	74	12911A82000	IN	4549	S/NT	36	7	115.5	EE	45°
				12915A82050	EX	4550	R/NT	30	7	114.5	EE	45°
2000	4	Freelander 1.8 i 16V Eng. 18K4F 1796 cc.	80	LGH10029	IN	4816	S/NT	27.7	6	89.6	S	45°
				LGH10065	EX	6118	R/NT	27.4	6	90	S	45°
				LGH101360								
2000	V6	Freelander 2.5 i V6 24V Eng. 25K4F 2497 cc.	80	LGH10064	IN	6117	S/NT	31.6	6	89.6	S	45°
				LGH10065	EX	6118	R/NT	27.4	6	90	S	45°
				LGH101360								
1984	4	Land Rover 88 - 90 Land Rover 109 - 110 2286 cc. Land Rover 90 - 110 2494 cc.	90.475	ETC4067	IN	4487	S/CR	44.5	7.9	111.4	I	30°
				ETC5866	EX	4488	R/CR	34.3	8.7	111.4	I	45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
LAND ROVER DIESEL												
1994	6	Range Rover 2.5 DSE TD Eng. D256TM 2498 cc. BMW ENG.	80	STC2156 STC2149	IN EX	4919 4920	BM/CR BM/AR/CR	36 31	6 6	103.7 103.5	I I	45° 45°
2002	6	Range Rover 3.0 TD6 24V Eng. 306D1 BMW Eng. M57D30 2926 cc.	84	LGH101450	IN/EX	6088	BM/CR	26	6	100	I	45°
2000	4	Freelander 2.0 Td4 16V Eng. 204D3 1951 cc.	84	LGH101450	IN/EX	6088	BM/CR	26	6	100	I	45°
1998	4	Freelander 2.0 TD Eng. 20T2N 1998 cc.	84.5	LGH100990 LGH100980	IN EX	6119 6120	S/NT R/NT	37.2 32.5	7 7	86.7 86.7	EE EE	45° 45°
1998	5	Defender 90 2.5 TDI td5 Defender 110 2.5 TDI td5 Defender 130 2.5 TDI td5 Eng. 10P - 15P	84.5	ERR6611 ERR6612	IN EX	6343 6344	S/CR BM/AR/CR	34.7 31.7	7 7	105.3 105.3	I I	30° 45°
1999		Discovery 2.5 TDI td5 Eng. 10P - 15P Eng. 10P - 15P 2495 cc.										
1959/71	4	Land Rover 88-109-110 Eng. 2.3l 2286 - 2494 cc.	90.475	527240 550198	IN EX	3053 3054	S XB	39.5 33.5	7.9 8.7	116.5 117	EE EE	45° 45°
1983	4	Land Rover TD		112999 113000	IN EX	4160 4161	R/CR R/CR	39 33	8 8.7	116.5 117.4	EE EE	30° 45°
1983/86	4	Land Rover 90/110 Eng. 2.5 l 2494 cc.	90.475	ERC9739 ERC9738	IN EX	4281 4282	S/CR R/CR	39.3 33.5	8 8.7	116.7 117	I I	45° 45°
1990/94 1989/94 1990/94	4	Defender 90/110/130 2. Tdi Discovery 2.5 Tdi Range Rover 2.5 Tdi Eng. 12L Maxion 200 TDI 2495 cc.	90.5	ERR1157 ERR1156	IN EX	4939 4940	R/CR R/AR/CR	39.5 36.5	8 8	116.5 116.5	I I	30° 45°
1995 1995 1995	4	Defender 90/110/130 2. Tdi Discovery 2.5 Tdi Range Rover 2.5 Tdi Eng. 12L Maxion 300 TDI 2495 cc.	90.5	ERR3777 ERR1156	IN EX	6423 4940	R/CR R/AR/CR	38.9 36.5	8 8	116.3 116.5	I I	30° 45°
1996	4	Rang Rover 2.4 TD Eng. VM81A-Turbo 2393 cc.	92	AEU2296L RTC4116	IN EX	3598 3599	R/CR R/CR	40 33.9	8 8	121 121	E E	35° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		

LEYLAND DIESEL

1986/73	37045	3.4 - 3.8 - 5.1 - 5.7	95	AMK1567	IN/D	950	N	40	8.7	146	EE	45°
		BMC Diesel Eng.		AMK48	EX	889	S	36	8.7	146	EE	45°
1972	4	Tractor 262 - 272 - 470	98	86K943	IN/D	3498	N	43	8.7	148	EE	45°
1972		Eng. 4/98 NV 3770 cc. Tractor 285 - 485 Eng. 6/98 DV/NV 5655 cc.		86K944	EX	3499	R/CR	38	8.7	148	EE	45°

LISTER

1967/76	1	Eng. SR1 - SW1	88.9	201/50871	IN	3617	S	39.5	8.7	120	EE	45°
	2	Eng. SR2 - SW2		201/50891	EX	3618	XB	33.5	8.7	120	EE	45°
	3	Eng. SR3										
	4	Eng. SR4										
1975	1	Eng. ST1	95.25	201/80250	IN	4319	S	42.6	8.7	120.2	EE	45°
	2	Eng. ST2		201/80240	EX	4320	XB	35.6	8.7	120.2	EE	45°
	3	Eng. ST3										
1967/76	37043	Eng. HR2 - 3 - 4 - 6	107.95	351K50420	IN	3465	S/CR	48	9.5	137.5	EE	45°
		Eng. HRW2 - 3 - 4 - 6 Eng. HRWS 6		35150432	EX	3466	R/CR	40	9.5	137.5	EE	45°
1936/69	36950	JP - JP3 - JP4	114.3	8-1C8A	IN	644	N	43	11	166.5	M	45°
				8-1C121	EX	645	S	37.5	11	166	M	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
LOMBARDINI												
	1	LA 400		70.9652.010 70.9685.010	IN EX	5053 5054	S R	38 32	8 10	89 89	E E	45° 45°
	1	LA 490		74.9652.011 74.9685.011	IN EX	5055 5056	S R	42 34	8 10	89 89	E E	45° 45°
	1	LA 205 - LA 250		90.9652.016 90.9685.022	IN EX	5051 5052	S R	32 28	7 7	94 93.8	Q Q	45° 45°
	1	IH 218 - IW 218		180.9652.044 180.9685.045	IN EX	5140 5141	S R	28 28	7 7	89.3 89.3	Q Q	45° 45°
		LA80 -LA82		45.2151.13 45.2152.14	IN EX	5041 5042	N S	40 35	8 8	121.2 121.2	E E	45° 45°
		LA85		51.2151.5 51.2152.10	IN EX	5043 5044	N S	44 37	8 10	123.7 124.7	E E	45° 45°
		LA65/58		55.2151.7 55.2152.8	IN EX	5045 5046	N R	28.5 24	7 7	93.5 93.4	R R	45° 45°
	1 2 4	LDA 90 - 91 - 100		262.9652.05 262.9685.25	IN EX	5047 5048	S R	39.6 32.6	8 8	111 111	E E	45° 45°
	1	LDA 75 - 80		271.9652.005 271.9685.006	IN EX	5049 5050	S R	31 26.6	7 7	99.2 99	E E	45° 45°
		LDA 672		276.9652.015 276.9685.019	IN EX	5064 5065	S R	40 35.6	9 9	111.9 111.7	E E	45° 45°
		LDA 450		283.9652.017 283.9685.027	IN EX	5066 5067	S R	34.4 29.6	7 7	99.35 99	E E	45° 45°
		LDA 820		291.9652.019 291.9685.031	IN EX	5062 5063	S R	42 35.6	8 8	111.2 111	E E	45° 45°
	2	LDA 360		360.9652.036 360.9685.046	IN EX	5086 5087	S R	33.5 29.6	8 8	97.5 97.5	E E	45° 45°
	1	500 - 6LD260		500.9652.018 500.9685.028	IN EX	5025 5026	S R	29.8 25	7 7	84.2 83.8	E E	45° 45°
	1	520 I SERIE		520.9652.025 520.9685.039	IN EX	5080 5081	S R	31.8 27	7 7	84.2 83.8	E E	45° 45°
	1	520 II SERIE		520.9652.040 520.9685.051	IN EX	5090 5091	S R	34.4 29.6	7 7	83.85 83.5	E E	45° 45°
	1	6LD 401 - 435		550.9652.099 550.9685.104	IN EX	5180 5181	S/CR BM/CR	36.5 31.6	7 7	83.85 83.5	E E	45° 45°
	1	LDA 315		196.9652.130 196.9685.133	IN EX	5183 5184	S/CR BM/CR	36 32	7 7	91 91	E E	45° 45°
	2 2 2	9LD 560 - 561 9LD 625 11LD 535 - 625 - 626		435.9652.061 435.9685.067	IN EX	5092 5093	S R	39 32.5	8 8	102 102	E E	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
	1	710 - 720 - 904 - 914		710.9652.030	IN	5082	S	39	8	102	E	45°
	2	7LD 665 - 740 8LD 665 - 740		710.9685.040	EX	5083	R	32.5	8	102	E	45°
	2	5LD 825		822.9652.041	IN	5134	S	43	9	111.9	E	45°
	3	LDA 832 - 833 - 834		822.9685.053	EX	5135	R	37.6	9	111.7	E	45°
	4	5LD 930 - 824 - 825										
	3	LDW 1503		104.9652.104	IN	5152	S/CR	40.5	7	104	I	30°
	4	LDW 2004		104.9685.108	EX	5153	BM/CR	35.5	7	104	I	45°
	2	LDW 502 - 602 - 903		115.9652.101	IN	5154	S/CR	33	7	91.2	E	30°
	3	LDW 1204		115.9685.105	EX	5155	BM/CR	29	7	91.2	E	45°
	4											
	2	9LD - 11 LD		560.9652.153	IN	5191	S/CR	39	8	102	I	45°
	3			560.9685.146	EX	5192	BMCR	32.5	8	102	I	45°
	2	LDW 702 - 1003		175.9652.157	IN	5193	S/CR	34.5	7	91	E	30°
	3	LDW 1004		175.9685.150	EX	5194	BM/CR	30.2	7	91	E	45°
	4											
	1	15LD 225		194.9652.148	IN	5195	S/CR	31.5	6	82	S	30°
				194.9685.151	EX	5196	BM/CR	27.5	6	82	S	45°
	3	LDW 1503		104.9652.147	IN	5197	S/CR	40.5	7	102	I	30°
	4	LDW 2004		104.9685.142	EX	5198	BM/CR	35.5	7	102	I	45°
	3	LDW 1503		104.9652.152	IN	5199	S/CR	40.5	7	104	I	30°
	4	LDW 2004		104.9685.145	EX	5200	BM/CR	35.5	7	104	I	45°
	4	LDW 2004 T		111.9652.160	IN	5201	BM/CR	40.5	7	102	I	30°
				104.9685.142	EX	5198	BM/CR	35.5	7	102	I	45°

LOTUS

2000	4	Elise 1.8 i 16V Eng. 18K4F 1796 cc.	80	LGH10029	IN	4816	S/NT	27.7	6	89.6	S	45°
				LGH10065	EX	6118	R/NT	27.4	6	90	S	45°
				LGH101360								
2000	4	Elise 111S 1.8 i 16V VVC Eng. 18K4K 1796 cc.	80	LGH10029	IN	4816	S/NT	27.7	6	89.6	S	45°
				LGH10065	EX	6118	R/NT	27.4	6	90	S	45°
				LGH101360								

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VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
MAN												
1983	6	Eng. D0226 MC/MK/ML Eng. D0226 MT Turbo 5687 cc.	102	51041010425 51041010410	IN EX	6256 6257	S/CR BM/CR	49 42	10 10	136.6 136.3	E E	30° 45°
1986	4	Eng. D0824 GF/LFL 4580 cc.	108									
	6	Eng. D0826 GF/GFA 6871 cc.										
	6	Eng. D0826 TOH 6596 cc.										
1991	6	Eng. D0826 LOH/LF Turbo 6871 cc.										
1969/73	6	Eng. D 0836 M - HM - HMU Eng. D 0846 HM -HMY 7252 cc.	108	51041010328 51041010423	IN EX	3705 3706	XB/CR BM/CR	52 43	11 11	155 155.5	E E	45° 45°
1960/71	6	Eng. D 2146 MT - Turbo 9659 cc. Eng. D 2156 MT - Turbo 10344 cc.	121	51041010305 51041010379 51041010373	IN IN EX	4818 4599 4563	S/CR BM/CR BM/CR	55.9 55.9 48.9	12 12 12	148.9 148.9 148.5	E E E	45° 30° 45°
1968/74	6	Eng. D 2356 HM 10690 cc.	123	51041010349 51041010364	IN EX	4582 4583	BM/CR BM/CR	56.9 51.9	12 12	148.9 148.5	E E	45° 45°
1973/80	5	Eng. D 2555 M-MF-MX 9199 cc.	125	51041010332 51041010447	IN	4315	XB/CR	58	12	142.5	E	45°
1976/80	5	Eng. D 2565 HM-M-ME			EX	4316	BM/CR	51	12	142.5	E	45°
1976/80	5	Eng. D 2565 MF-MH-MR 9510 cc.										
1976/80	6	Eng. D 2556 M-MF-MX 11045 cc.										
1976/80	6	Eng. D 2566 HM-M-ME Eng. D 2566 MH-MR-MX 11407 cc. Eng. 2566 MU 11413 cc. Eng. 2566 MUH 11407 cc.										
1972/80	V8	Eng. D 2538 M-ME-MF Eng. D 2538 MFR-MR 12756 cc.										
1972/80	V10	Eng. D2530 ME-MF-MX 15950 cc.										

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
51032011057	G11334	IN	60	10.00	16.04	G	C.I.
51032011053	G11333	EX	55	10.00	16.04	G	C.I.
51032010088	G3213 G11331	IN/EX	64	12.00	18.04 18.09	G	C.I.

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

MAN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.														
								D	d	L												
1980/81	5	Eng. D 2565 HM-M-ME	125	51041010405	IN	4916	S/CR	57	12	142.5	E	45°										
		Eng.D 2565 MF-MH-MR		51041010447									EX	4316	BM/CR	51	12	142.5	E	45°		
		9510 cc.		51041010479																		
	6	Eng. D 2555 M-MF-MX																				
		9199 cc.																				
	6	Eng. D 2566 HM-M-ME																				
		Eng.D 2566 MH-MR-MX																				
6	Eng. 2566 MU																					
	11413 cc.																					
6	Eng. 2566 MUH																					
	11407 cc.																					
6	Eng. D 2556 M-MF-MX																					
	11045 cc.																					
V8	Eng. D 2538 M-ME-MF																					
	Eng. D 2538 MFR-MR																					
V10	Eng. D 2530 ME-MF-MX																					
	15950 cc.																					
6	Eng. D 2866		128																			
	Industrial Marine Engine																					
V10	Eng.D 2840 ME-MF-MH																					
	Industrial Marine Engine																					
1976	5	Eng. D 2565 MT-MK T	125	51041010375	IN	4635	BM/CR	58	12	142.5	E	30°										
		9510 cc.		51041010478									EX	4316	BM/CR	51	12	142.5	E	45°		
1976	6	Eng. D 2566 MK-ML-MT		51041010447																		
		Eng. D 2566 Turbo		51041010479																		
1976/81	V8	Eng. D 2538 MT-Turbo																				
		12760 cc.																				
1976/81	V10	Eng. D 2530 MT-Turbo																				
1976/81	V12	Eng. 2542 MTE Turbo																				
		Industrial Marine Engine																				
		20190 cc.																				

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
51032010088	G3213 G11331	IN/EX	64	12.00	18.04 18.09	G	C.I.
51032010088	G3213 G11331	IN/EX	64	12.00	18.04 18.09	G	C.I.

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

MAN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1989	5	Eng. D 2865 LOH - LUH 9973 cc.	128	51041010375									
1983	6	Eng. D 2866 LF2 Turbo Eng. D 2866 KFZ Turbo		51041010478 51041010447 51041010479	IN EX	4635 4316	BM/CR BM/CR	58 51	12 12	142.5 142.5	E E	30° 45°	
1989		Eng. D 2866 OH - UH F - Turbo Industrial Engine											
		Eng. D 2866 LOH - LUH LF - Turbo 11967 cc.											
1994		Eng. D 2876 LF - LOH Turbo Euro 2 12810 cc.											
1987	V10	Eng. D 2840 F Turbo											
1990		Eng. D 2840 LF Turbo 18720 cc.											
1990	V12	Eng. D 2842 LFX Turbo 21930 cc.											
2001		F2000 Eng. 19.364/414/464 Eng. 26.414/460	128	51041010547 51041010548 51041010482 51041010483	IN EX IN EX	6331 6332 6492 6493	BM/CR BM/CR BM/CR BM/CR	46 46 46 46	9 9 9 9	153.6 153.6 153.7 153.7	I I E E	30° 45° 30° 45°	

MAZDA

1968/71	4	Familia 1200 Eng. BTA 55/65 1169 cc.	70	26812111 26812121	IN EX	3813 3814	S R/CR	34.5 29	7 7	108.5 98.5	E E	45° 45°
1996/07-97	4	121 1.2 16V Eng. DHA 1242 cc.	71.9	1E05-12111 1E05-12121	IN EX	4790 4791	S/CR R/CR	26 22	6 6	98 100	E E	45° 45°
08/97	4	121 1.2 16V Eng. DHA 1242 cc.	71.9		IN EX	4992 4993	S/CR R/CR	26 22	6 6	97.7 99.7	I I	45° 45°
	4	121 1.3 16V Eng. B3 1323 cc. 323 1.3 16V Eng. TC 1272 cc.	71 73	B3C7-12-111A B3D2-12.121A B3C7-12-121A	IN EX	6254 6255	S/NT R/AR/NT	25.5 21.3	6 6	108.3 109.2	EE EE	45° 45°
2003	4	2 1.2 16V Eng. C2 1242 cc.	72	C201-12111 C201-12121	IN EX	6464 6465		26 22	6 6	99.7 101.8	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
51032010088	G3213 G11331	IN/EX	64	12.00	18.04 18.09	G	C.I.
	G11221 G11222	IN/EX	39	6	11.05 11.10	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G11221 G11222	IN/EX	39	6	11.05 11.10	G	L
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
B6ZO-10-280	G11211 G11212	IN	48.6	6.01	11.05 11.10	G	L-X
B6ZO-10-290	G11213 G11214	EX	48.6	6.01	11.05 11.10	G	L-X-U

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1004442 1004443	PI 03-111	M
1004442 1004443	PI 03-111	M
	PI 06-0020	I



NOTE remarks

MAN

MAZDA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1971	4	Craft 1500 Eng. UA		57112111	IN	3815	S	38	8	115	EE	30°
				57112121	EX	3816	R/CR	30	8	115	EE	45°
1976/79	4	808 - 818 - 823 1300 E 1300 - Bongo 1300 Familia 1300 Gran Familia 1300 Familia Presto 1300 Proceed 1300 Eng. TC 1272 cc.	73	032412111A	IN	3821	S	36	8.1	105.5	EE	45°
				048812121A	EX	3822	R/CR	31	8.1	103.5	EE	45°
2004	4	3 1.4 i 16V 1349 cc.	74	ZJ01-12111A	IN	6475	S/NT	27.7	5.5	98.3	S	45°
				ZJ01-12121	EX	6476	R/NT	24	5.5	98.8	S	45°
2003	4	2 1.4 i 16V Eng. FXJA-FYJA 1388 cc.	76	C6011-21111	IN	6413	S/CR	28	6	99.4	I	45°
				C4011-2121	EX	6196	R/CR	24.1	6	101.4	I	45°
1980/85	4	323 1300 Familia 1300 Eng. E2 1296 cc. 323 1500 Familia 1500 Laser 1500 Eng. E5 1490 cc.	77	032412111A	IN	3821	S	36	8.1	105.5	EE	45°
				048812121A	EX	3822	R/CR	31	8.1	103.5	EE	45°
1969/78	4	618 1800 Courier 1800 Luce 1800 - Titan 1800 Eng. VB 1796 cc.	78	029012111C	IN	3817	S	42	8	108.5	EE	45°
				D27Z6505A	EX	3818	R/CR	33	8	107	EE	45°
1970/77		616 1600 - 626 1600 808 1600 - Bongo 1600 Capella 1600 Proceed 1600 B/E 1600 Eng. NA 1586 cc.										

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1973/82		626 1800 - 929 1800 Bongo 1800 Capella 1800 Cosmo 1800 Proceed 1800 Eng. VC 1769 cc.	80	029012111C D27Z6505A	IN EX	3817 3818	S R/CR	42	8	108.5	EE	45°
								33	8	107	EE	45°
1977/80		121 2000 - 626 2000 929 2000 - B/T 2000 Capella 2000 Cosmo 2000 Courier 2000-Luce 2000 Eng. MA 1970 cc.										
2004	4	3 1.6 i 16V 1598 cc.	78	ZY01-12111A ZY01-12121	IN EX	6477 6478	S/NT R/NT	29.2	5.5	97.2	S	45°
								25.9	5.5	96.6	S	45°
2003	4	2 1.6 i 16V Eng. HWDA-HWDB 1596 cc.	79	C6011-21111 C4011-2121	IN EX	6413 6196	S/CR R/CR	28	6	99.4	I	45°
								24.1	6	101.4	I	45°
2003	4	3 1.6 i 16V Eng. L3 1596 cc.	79	C4011-2121	IN EX	6195 6196	S/CR R/CR	30	6	99	I	45°
								24.1	6	101.4	I	45°
1982	4	Capella - Telstar 1600 Eng. F6 1587 cc.	80	F60112111A F60612121	IN EX	4647 4648	S/NT R/NT	41	8.1	111.8	EE	45°
								34	8.1	111.8	EE	45°
1993	4	Famila 323 1.8i 16V MX5 1.8i 16V Eng. BP/B5 1840 cc.	83	BP05-12111 BP05-12121A	IN EX	6027 6028	S/NT R/NT	32.9	6	101.7	EE	45°
								28	6	102	EE	45°
2002 2005	4	6 1.8 i 16V 5 1.8 i 16V Eng. L8 1798 cc.	83		IN EX	6341 6342	S/NT R/NT	32.5	5.5	103.4	S	45°
								28	5.5	104.6	S	45°
2002 2003 2005	4	6 2.0 16V 3 2.0 i 16V 5 2.0 i 16V Eng. LF 1999 cc.	87.5	LF01-12111 LF01-12121	IN EX	6370 6371	S/NT R/NT	35	5.5	103.4	S	45°
								30	5.5	104.6	S	45°
1959	4	Titan E2 - 2000 Titan T3 - 3000		SE0112111 SE0112121	IN EX	4672 4673	S/NT R/NT	45	9	114.8	EE	45°
								37.5	9	114.8	EE	30°
	4	Titan 2500 - 2700 Bongo 3000 Pick Up		0636-12111 0527-12121	IN EX	6055 6056	S/NT R/NT	40.5	8	114.5	EE	45°
								36	8	114.6	EE	30°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
8173-23-090	G3216	IN/EX	50.5	8.06	14.06	G	L-U
	G3520 G3577	IN/EX	36	6.08	12.03 12.08	G	L
	G3499 G11190	IN/EX	40.5	6	11.04 11.09	G	L-X
8173-23-090	G3216	IN/EX	50.5	8.06	14.06	G	L-U
B6ZO-10-280	G11211 G11212	IN	48.6	6.01	11.05 11.10	G	L
B6ZO-10-290	G11213 G11214	EX	48.6	6.01	11.05 11.10	G	L
	G11427	IN/EX	39	5.5	11.05	G	
	G11427	IN/EX	39	5.5	11.05	G	

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0020	I

NOTE remarks

MAZDA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
MAZDA DIESEL												
2003	4	2 1.4 CDTi Eng. F6JA-F6JB 1398 CC.	73.7	Y4011-2111	IN	6149	S/CR	32.8	5.5	97.5	I	45°
				Y4011-2121	EX	6150	BM/CR	30.2	5.5	97.5	I	45°
2003	4	3 1.6 CDTi 16V Eng. Y6 1560 cc.	75	Y6011-2111	IN	6397	S/CR	25.6	5.5	96.4	I	45°
				Y6011-2121	EX	6398	BM/CR	23.4	5.5	96.6	I	45°
1983	4	Bongo 2000 D Capella 2000 D Spectrum 2000 D Eng. RF 1998 cc. Bongo 2200 D Eng. R 2 2184 cc.	86	RF01-12111	IN	4390	S/NT	41	8	107	EE	45°
				RF01-12121B	EX	4391	R/NT	36	8	106.8	EE	45°
1994	4	323 2.0 TD 626 2.0 TD Primacy 2.0 TD Eng. RF	86	RF01-12111	IN	4390	S/NT	41	8	107	EE	45°
				RF01-12121B	EX	4391	R/NT	36	8	106.8	EE	45°
1997		E2000/2200 2.2 D Eng. R2 1998 cc.										
1998	4	323 2.0 DIDT 16V 626 2.0 DIDT 16V Primacy 2.0 DIDT 16V Eng. RF2 1998 cc.	86	RF2A-12111	IN	6374	S/NT	29,7	6	115,3	S	45°
				RF2A-12121	EX	6416	R/NT	25.5	6	114.6	S	45°
2002 2005	4	6 2.0 CDTi 16V 5 2.0 CDTi 16V MPV 2.0 CDTi 16V Eng. RF5 1998 cc.	86	RF5C-12111	IN	6415	S/NT	27.2	6	115.2	S	45°
				RF5C-12121	EX	6416	R/NT	25.5	6	114.6	S	45°
1999	4	MPV 2500 TDI Eng. WLT B2500 Eng. W6 2499 cc.	93	WL51-12111	IN	6424	S/NT	32.7	7	111.9	EE	45°
				WL51-12121A	EX	6425	R/NT	35.6	7	111.8	EE	45°
1967	4	Titan 2500 - 2700 Eng. XA - XB - ZB - YB		63612111	IN	3823	S/CR	40.5	8	114.5	EE	45°
				63612121	EX	3824	R/CR	35.5	8	114.5	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
011-10-280 011-10-290	G3596 G3597	IN EX	40.5 37.7	8.03 8.03	14.03 14.03	G G	L L
011-10-280 011-10-290	G3596 G3597	IN EX	40.5 37.7	8.03 8.03	14.03 14.03	G G	L L
RFY1-10291	G11430	IN/EX	45	6.05	11.04	G	L-X
RFY1-10291	G11430	IN/EX	45	6.05	11.04	G	L-X
0636-10-104B	G2943 G2944	IN/EX	54	7.99	12.76 12.81	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
	PI 06-0019	I



NOTE remarks

MAZDA DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
MERCEDES - BENZ												
1997	4	A 140 1.4 i Eng. M166.940 1397 cc.	80	1660530101 1660500327	IN EX	6130 6131	S/NT R/NT	40 34	6 7	103 102.7	E E	45° 45°
1997		A 160 1.6 i Eng. M166.960										
2002		Vaneo 1.6 i										
2002		Eng. M166.961 1598 c.c										
2002	4	C180 Kompressor 16V C 200 Kompressor 16V CLK 200 Kompressor 16V E 200 Kompressor 16V C 230 Kompressor 16V Eng. MB271.940/941/946 Eng. MB271.948 1796 cc.	82	2710530001 2710500427	IN EX	6470 6471	S/CR BM/AR/CR	30.5 27	7 7	105.4 109.2	EE EE	45° 45°
2004	4	A 150	83	1160530201	IN	6132	S/NT	43	6	103	E	45°
2005		B 150 Eng. MB266.920 1498 CC.		2660530105 2660500027	EX	6472	R/NT	35	7	102.7	E	45°
2004	4	A 170	83	1160530201	IN	6132	S/NT	43	6	103	E	45°
2005		B 170 Eng. MB266.940 1699 cc.		2660530105 2660500027	EX	6472	R/NT	35	7	102.7	E	45°
2004	4	A 200	83	1160530201	IN	6132	S/NT	43	6	103	E	45°
2005		B 200 Eng. MB266.960/980 2034 cc.		2660530105 2660500027	EX	6472	R/NT	35	7	102.7	E	45°
1998	4	A 190 1.9 i Eng. M166.990 1898 cc.	84	1160530201 1160500427	IN EX	6132 6133	S/NT R/NT	43 36	6 7	103 102.8	E E	45° 45°
2002		Vaneo 1.9 i Eng. M166.991 1898 cc.										
2002		A210 2.1 i Eng. M166.995 2084 cc.										
1995	4	C 180 1.8 i 16V Eng. 111.920 E18 From eng. N. 10-021-891 From eng. N. 12-008-004 1799 cc.	85.3	1110531201 1110501327	IN EX	4759 4761	S/NT R/AR/NT	33 29	7 7	101.5 103.5	EE EE	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6060531229	G11057	IN	37.5	6	12.57	G	C.I.
	G11058				12.62		
	G11059				12.67		
1110531029	G11039	EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
	G11041				12.67		
	G11401	IN/EX	40	7	12.57	G	C.I.
	G11402				12.62		
1110531029	G11039	EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
6060531229	G11057	IN	37.5	6	12.57	G	C.I.
1110531029	G11039	EX	37.5	7	12.57	G	C.I.
6060531229	G11057	IN	37.5	6	12.57	G	C.I.
1110531029	G11039	EX	37.5	7	12.57	G	C.I.
6060531229	G11057	IN	37.5	6	12.57	G	C.I.
1110531029	G11039	EX	37.5	7	12.57	G	C.I.
6060531229	G11057	IN	37.5	6	12.57	G	C.I.
	G11058				12.62		
	G11059				12.67		
1110531029	G11039	EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
	G11041				12.67		
1110531029	G11039	IN/EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
	G11041				12.67		
	G11401	IN/EX	40	7	12.57	G	C.I.
	G11402				12.62		

PUNTERIE LIFTERS





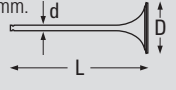


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1130500080	PI 06-0034	I
1660500080		
1130500080	PI 06-0034	I
1660500080		
1130500080	PI 06-0034	I
1660500080		
1130500080	PI 06-0034	I
1660500080		
1130500080	PI 06-0034	I
1660500080		

NOTE
remarks

MERCEDES - BENZ

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm. 				
								D	d	L		
1976	6	250 Eng. M123 2525 cc.	86	1230530101	IN	4189	S/CR	41.2	9	128	EE	45°
				1230530001	EX	4188	R/CR	37	11	113.2	EE	45°
1976/80	6	280 - 280 S - 280 E 280 SE - SEL - SL Eng. M110 2746 cc.	86	1100500726	IN	3605	S/CR	45	9	115	EE	45°
				1100500027	EX	3606	R/CR	37	11	118	EE	45°
1980	6	280 S 280 E - CE - TE - SE 280 GE 4X4	86	1100500726	IN	3605	S/CR	45	9	115	EE	45°
				1170500127	EX	4471	BM/AR/CR	39.1	9	118.2	EE	45°
1983		Eng. M110 2746 cc.		1170500027								
1965/68	4	200 Eng. M121 1988 cc.	87	1210530401	IN	3431	S	44.2	9	128	M	45°
				1150500027	EX	4188	R/CR	37	11	113.2	EE	45°
1968/80	4	200 Eng. M115 1988 cc.	87	1150530201	IN	4187	S	44	9	128	EE	45°
				1150530101	EX	4188	R/CR	37	11	113.2	EE	45°
1967/74		220 Eng. M115 2197 cc.										
1981	V8	380 SE - SEL - SEC Eng. M116 3839 cc.	88	1160500426	IN	4475	R/NT	39.1	9	117	EE	45°
				1160500027	EX	4476	BM/AR/CR	37.1	9	118.2	EE	45°
1985	6	300 E 300 SE - SEL 300 E - CE - TE 300 E - TE 4 Matic	88.5	1030532001	IN	4473	S/NT	43	8	110.3	EE	45°
				1030501727	EX	4474	R/AR/CR	39	9	110.9	EE	45°
1989		300 SL 300 GE 4X4 Eng. M103 2962 cc.										
1989/92	6	300 E 24V 300 SL 24V Eng. M104.980/81 2960 cc.	88.5	1040531001	IN	6258	S/CR	35	8	101.5	EE	45°
				1040501427	EX	6259	BM/CR	31	9	103.5	EE	45°
1982	4	190 Eng. M102 1997 cc.	89	1020530601	IN	4183	S/CR	40	8	114.9	EE	45°
				1020500427	EX	4184	BM/CR	36	9	115.8	EE	45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1990	4	190 E 1.8 1797 cc.	89	1020530901	IN	4185	S/CR	43	8	114.9	EE	45°
1984		190 - 190 E 200 - 200 T 200 E 200 GE 4X4 Eng. M 102 1997 cc.		1030531601 1030531801 1020500327	EX	4186	BM/AR/CR	39	9	115.8	EE	45°
1991	V12	600 SE - SEL	89	1040531201	IN	4751	S/NT	35	7	101.5	EE	45°
1992		600 SEC Eng. M 120 5987 cc.		1040531401 1040501027 1040501727	EX	4752	BM/AR/CR	31	8	103.5	EE	45°
1991	6	300 SE - SEL 3.2 24V Eng. M 104 3199 cc.	89.9									
1992	V12	CL 600 6.0 V12 48V S 600 6.0 i V12 48V Eng. M120.982 5987 cc.	89	1110530201 1110500527	IN EX	6428 6429	S/CR BM/AR/CR	35 31	7 7	101.5 103.5	I I	45° 45°
1992/96	4	200 E-CE 2.0 i 16V Eng. M111.940	89.9	1110530201 1110500527	IN EX	6428 6429	S/CR BM/AR/CR	35 31	7 7	101.5 103.5	I I	45° 45°
1994/96		C 200 2.0 i 16V CLK 200 2.0 i 16V Eng. M111.941 E 200 2.0 i 16V Eng. M111.940 1998 cc.										
1996	4	200 E-CE 2.0 i 16V Eng. M111.940	89.9	1110531101 1110501227 1110501427	IN EX	4758 4760	S/NT R/AR/NT	35 31	7 7	101.5 103.5	EE EE	45° 45°
1997		C 200 2.0 i 16V										
1996		CLK 200 2.0 i 16V Eng. M111.941/945										
1996		C200 2.0 i 16V Komp.										
1995		CLK 200 2.0 i 16V Komp. Eng. M111.944										
1996		E 200 2.0 i 16V Eng. M111.940/942										
1997		SLK 200 2.0 i 16V Eng. M111.946										
1997		SLK 200 2.0 i 16V Komp. Eng. M111.943										
1999		E 200 2.0 i 16V Komp. Eng. M111.947 1998 cc.										

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1992/96	4	220 E-CE 2.2 i 16V E220 2.2 i 16V Eng. M111.960 2199 cc.	89.9	1110530201	IN	6428	S/CR	35	7	101.5	I	45°
				1110500527	EX	6429	BM/AR/CR	31	7	103.5	I	45°
1993/96	4	C220 2.2 i 16V Eng. M111.961 2198 cc.										
1996	4	220 E-CE 2.2 i 16V	89.9	1110531101	IN	4758	S/NT	35	7	101.5	EE	45°
1996		E220 2.2 i 16V		1110501227	EX	4760	R/AR/NT	31	7	103.5	EE	45°
		Eng. M111.960		1110501427								
1996		C220 2.2 i 16V Eng. M111.961 2199 cc.										
1992/96	6	280 E 2.8 i 24V Eng. M104.942	89.9	1110530201	IN	6428	S/CR	35	7	101.5	I	45°
				1110500527	EX	6429	BM/AR/CR	31	7	103.5	I	45°
1993/96		300 E-SE 2.8 i 24V Eng. M104.944										
1993/96	V6	C280 2.8 i V6 24V Eng. M104.941										
1993/96	6	E 280 2.8 i 24V Eng. M104.942										
1993/97		S280 2.8 i 24V Eng. M104.944										
1993/97		SL 280 2.8 i 24V Eng. M104.943 2799 cc.										
1996	6	280 E 2.8 i 24V Eng. M104.942	89.9	1110531101	IN	4758	S/NT	35	7	101.5	EE	45°
				1110501227	EX	4760	R/AR/NT	31	7	103.5	EE	45°
		300 E-SE 2.8 i 24V Eng. M104.944		1110501427								
		E 280 2.8 i 24V Eng. M104.942/945										
		SL 280 2.8 i 24V Eng. M104.943										
		S 280 2.8 i 24V Eng. M104.944										
1998	V6	C 280 2.8 i V6 24V Eng. M104.941 2799 cc.										

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

NOTE

NOTE remarks

MERCEDES - BENZ

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1992/96	6	320 E-CE 3.2 i 24V	89.9	1110530201	IN	6428	S/CR	35	7	101.5	I	45°
		Eng. M104.992		1110500527	EX	6429	BM/AR/CR	31	7	103.5	I	45°
1993/96		E 320 3.2 i 24V										
		Eng. M104.992										
1992/97		S 320 3.2 i 24V										
	Eng. M104.994											
1993/96	SL 320 3.2 i 24V											
	Eng. M104.991											
1993/95	G 320 3.2 i 24V											
	Eng. M104.996											
		3199 cc.										
1996	6	320 E-CE 3.2 i 24V	89.9	1110531101	IN	4758	S/NT	35	7	101.5	EE	45°
		Eng. M104.992		1110501227	EX	4760	R/AR/NT	31	7	103.5	EE	45°
		E 320 3.2 i 24V		1110501427								
		Eng. M104.992/995										
		SL 320 3.2 i 24V										
		Eng. M104.991										
1998		S 320 3.2 i 24V										
		Eng. M104.994										
1994/97		G320 3.2 i 24V										
		Eng. M104.995										
1996	G 320 3.2 i 24V											
	Eng. M104.996											
		3199 cc.										

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.

**PUNTERIE
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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

MERCEDES - BENZ

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1997	V6	C 240 2.4 i V6 18V Eng. M112.912	89.9	1130530101	IN	6260	S/NT	36	7	119.4	EE	45°	
				1130500227	EX	6261	R/AR/NT	41	7	122.3	EE	45°	
1997	V6	E 240 2.4 i V6 18V Eng. M112.913 2398 cc.											
1995	V6	S 280 2.8 i V6 18V Eng. M112.922											
1995	V6	SL 280 2.8 i V6 18V Eng. M112.923/925 2799 cc.											
1997	V6	E 280 2.8 i V6 18V Eng. M112.921/926											
1997	V6	C 280 2.8 i V6 24V Eng. M112.920/924 2799 cc.											
1997	V8	CLK 430 4.3 i V8 24V Eng. M113.943											
1998	V8	C430 4.3 i V8 24V Eng. M113.944/945											
1997	V8	E 430 4.3 i V8 18V Eng. M113.940/946											
1997	V8	S 430 4.3 i V8 18V Eng. M113.941											
1997	V8	ML 430 4.3 i V8 18V Eng. M113.942 4266 cc.											
2003	V6	Viano 3.2 V6 18V		89.9	1130530101	IN	6260	S/NT	36	7	119.4	EE	45°
2003	V6	Vito 3.2 V6 18V Eng. M112.951 3199 cc.	1130500227		EX	6261	R/AR/NT	41	7	122.3	EE	45°	
1995	4	C230 2.3 i 16V Komp. Eng. M111.975	90.9	1110531101	IN	4758	S/NT	35	7	101.5	EE	45°	
		CLK 230 2.3 i 16V Komp. Eng. M111.973/975		1110501227	EX	4760	R/AR/NT	31	7	103.5	EE	45°	
		1110501427											
1995	4	Sprinter 2.3 i 16V Eng. M111.979											
1996		C230 2.3 i 16V Eng. M111.974											
1996		E 230 2.3 i 16V Eng. M111.970											
1997		SLK 230 2.3 i Komp. Eng. M111.973											
1998		ML 230 2.3 i 16V Eng. M111.977 2295 cc.											

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1130530329	G11060 G11061 G11062	IN/EX	50	7	12.56	G	C.I.
					12.61		
					12.66		
1130530329	G11060 G11061 G11062	IN/EX	50	7	12.56	G	C.I.
					12.61		
					12.66		
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57	G	C.I.
					12.62		
					12.67		

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LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

NOTE

NOTE remarks

MERCEDES - BENZ

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1991	V8	400 SE - SEL Eng. M119 4196 cc.	92									
1973/76	4	230 Eng. M115 2307 CC.	93.75	1150500226	IN	4497	S/CR	47	9	128.6	EE	45°
				1150500126	EX	4188	R/CR	37	11	113.2	EE	45°
1982/83	4	208 - 210 - 308 - 310 410 L 408 - 409 - 410 LK 408 - 409 - 410 O 309 - B410 - 510	95.5	1020530801	IN	4472	S/NT	46	8	114.9	EE	45°
				1020531501	EX	4186	BM/AR/CR	39	9	115.8	EE	45°
1980/83	4	230 E - CE - TE										
1982/84	4	230 GE 4X4 Eng. M102 2299 cc.										
1986	4	190 E 2.3 208 - 210 - 308 - 310										
1984	4	230 E - CE - TE										
1984	4	230 GE 4X4 Eng. M 102 2299 cc.										
1984/88	4	190 E 2.3 16V Eng. M102 2299 cc.	95.5	1020531001	IN	4306	S/CR	38	7	111.7	EE	45°
1989	4	190 E 2.5 16V Eng. M102 2498 cc.	97.3	1020531401	EX	4307	BM/AR/CR	33	8	111.5	EE	45°
				1020500627								
1990	4	190 E 2.5 16V Eng. M102 2498 cc.		1020500827								
				1020501027								
1985	V8	500 SL - SE - SEL Eng. M 117 4973 cc.	96.5	1170500126	IN	4470	R/CR	46.2	9	117	EE	45°
				1170500127	EX	4471	BM/AR/CR	39.1	9	118.2	EE	45°
1985		560 SE - SEC Eng. M 117 5547 cc.										

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1949/63 1961/64	4	Eng. 636 1767 cc. OM 322	75										
1998 1998	4	A160 CDI 16V Eng. OM 668.941 A170 CDI 16V Eng. OM 668.940/942 1689 cc.	80	6680530301 6680500227	IN EX	6134 6135	S/CR R/CR	29.6 24.6	6 7	105.2 105	I I	45° 45°	
1998	4	Vaneo 1.7 CDI 16V Eng. OM 668.914 1689 cc.	80	6680530301 6680500227	IN EX	6134 6135	S/CR R/CR	29.6 24.6	6 7	105.2 105	I I	45° 45°	
2004	4	A 160 CDI 16V A 180 CDI 16V A 200 CDI 16V Eng. MB640.940/941/942 1991 cc.	83	6420530401 6420500527	IN EX	6473 6474	S/CR R/CR	28.5 25.4	6 6	102.3 102.3	I I	45° 45°	
1967/79	4	200 D - 220 D Eng. OM 615 1988 cc.	87	6150530101 6150530001 6150530705 6150530405	IN EX	3433 3434	S/CR BM/CR	38.8 33.2	10 10	131.5 131	C C	30° 30°	
1979	4	200 D Eng. OM 615 1988 cc.	87	6150530501 6150530705 6150530405	IN EX	4190 3434	S/CR BM/CR	38.8 33.2	10 10	131.5 131	C C	30° 30°	
1993	5	C250 2.5 D 20V Eng. 605.910 2497 cc.	87	6060531101 6060530705 6060501127	IN EX EX	4918 4929 4930	S/NT R/CR BM/CR	29 26 26	6 6 7	105.4 105.7 105.7	EE EE EE	45° 45° 45°	
1987	5	E250 2.5 D 20V Eng. 605.911/912 2497 cc.	87	6060531101 6060530705	IN EX	4918 4929	S/NT R/CR	29 26	6 6	105.4 105.7	EE EE	45° 45°	

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6360530330	G2127	IN	68	9	14.04	G	L
6360530329	G2128	EX	63	9	14.04	G	L
	G2129	IN	78	9	15.05	G	L
	G2130	EX	73	9	15.05	G	L
6680530229	G11048	IN	47.5	6	11.57	G	C.I.
6680530230	G11049	EX	47.5	7	11.61	G	C.I.-U
	G11050				11.76		
	G11051				11.57		
	G11052				11.61		
	G11053				11.76		
6680530229	G11048	IN	47.5	6	11.57	G	C.I.
6680530230	G11049	EX	47.5	7	11.61	G	C.I.-U
	G11050				11.76		
	G11051				11.57		
	G11052				11.61		
	G11053				11.76		
6160530329	G2133	IN	61	10	14.03	G	L
6210530330	G2134	EX	49	10	14.08	G	L
	G2135				14.13		
	G2136				14.03		
	G2137				14.08		
	G2138				14.13		
6160530329	G2133	IN	61	10	14.03	G	L
6210530330	G2136	EX	49	10	14.03	G	L
6060531229	G3578	IN	37.5	6	12.57	G	C.I.
6060531329	G3579	EX	37.5	7	12.62	G	C.I.
	G3580				12.77		
	G3581				12.57		
	G3582				12.62		
6060530230	G3583				12.77		
6060530330	G3583				12.77		
6060531229	G3578	IN	37.5	6	12.57	G	C.I.
6060531329	G3579				12.62		
	G3580				12.77		
	G3581				12.57		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6680500080	PI 06-0019	I
6680500180		
6680500080	PI 06-0019	I
6680500180		
6420500080		
6680500080	PI 06-0019	I
6680500180		
6420500080		


 NOTE
remarks

MERCEDES - BENZ DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1997/99	5	E250 2.5 TD 20V Eng. 605.962 2497 cc.	87	6060531101 6060501127	IN EX	4918 4930	S/NT BM/CR	29 26	6 7	105.4 105.7	EE EE	45° 45°	
1993	6	E300 3.0 D 24V Eng. OM 606.910 2996 cc.	87	6060530701 6060530305	IN EX	4931 4932	S/CR R/CR	29 26	6 6	105.4 105.7	I I	45° 45°	
1983/93	4	190 2.0 D Eng. OM601.911	87	6010531701	IN	4193	S/CR	38	8	106.4	EE	45°	
1984		200 2.0 D		6010530401									
1993		E200 2.0 D Eng. OM601.912 1996 cc.		6010531201	EX	4194	BM/CR	35	9	106.4	EE	45°	
1993	4	C 200 2.0 D 16V Eng. OM601.913 1997 cc.		6010501227									
1985/93	5	190 2.5 D Eng. OM602.911		6010502127									
1985/93		250 2.5 Eng. OM602.912		6010502327									
1988/93		190 2.5 TD Eng. OM602.961A											
1988/95		250 2.5 TD											
1993		E250 2.5 TD 10V Eng. OM602.962A											
1987		250 GD 2.5 D Eng. OM602.930-931 Eng. OM 602.938-939 2497 cc.											
1984/93	6	300 3.0 D G 300 GD 3.0 D Eng. OM603.912-913											
1989		G300 GD 3.0 D Eng. OM603.931											
1986/93		300 3.0 TD											
1993/96		E300 3.0 TD 250 GD 3.0 TD Eng. OM603.960-963 2996 cc.											
1996	4	V 230 2.3 TD Eng. OM601.970 Eng. OM601D23LA 2298 cc.	87	6010531701 6010502327	IN EX	4193 4194	S/CR BM/CR	38 35	8 9	106.4 106.4	EE EE	45° 45°	

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6060531229	G3578	IN	37.5	6	12.57	G	C.I.
6060531329	G3579				12.62		
6060530230	G3580	EX	37.5	7	12.77	G	C.I.
	G3581				12.57		
	G3582				12.62		
6060530330	G3583				12.77		
6060531229	G3578	IN/EX	37.5	6	12.57	G	C.I.
	G3579				12.62		
6060531329	G3580				12.77		
6010500624	G3091	IN	39.5	8	14.07	G	C.I.-U
	G3370				14.12		
	G3371				14.17		
6010500924	G3092	EX	37.3	9	14.07	G	C.I.
	G3373				14.12		
	G3374				14.17		
6010500624	G3091	IN	39.5	8	14.07	G	C.I.
	G3370				14.12		
	G3371				14.17		
6010500924	G3092	EX	37.3	9	14.07	G	C.I.
	G3373				14.12		
	G3374				14.17		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6010500525	PI 06-0036	I
6010500825		
6010500525	PI 06-0036	I
6010500825		



NOTE remarks

MERCEDES - BENZ DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1998 1997	4	C 200 2.2 CDI 16V C 220 2.2 CDI 16V Eng. OM611.960-962 2148 cc.	88	6110530101 6110530401 6110530105 6110500127	IN EX	6173 6174	S/NT R/NT	30.1 28.4	7 7	104 104.4	I I	45° 45°
1999 2000	4	V 200 2.2 CDI 16V Vito 2.2 CDI 16V Eng. OM611.980 Eng. OM 611LA Sprinter 2.2 CDI 16V Eng. OM611.980-981-987 Eng. OM 611DE22LA 2151 cc.										
1999 2001 2000 2002	5	E 270 2.7 CDI 20V Eng. OM612.961 ML 270 2.7 CDI 20V Eng. OM612.963 G 270 2.7 CDI 20V Eng. OM612.965-966 C 270 2.7 CDI 20V CLK 270 2.7 CDI 20V Eng. OM 612.962-967 2686 cc.	88	6110530101 6110530401 6110530105 6110500127	IN EX	6173 6174	S/NT R/NT	30.1 28.4	7 7	104 104.4	I I	45° 45°
2001 2002 2003 2005	4	C 200 2.2 CDI 16V Eng. OM 646.962 E 200 2.2 CDI 16V Eng. OM 646.951 E 220 2.2 CDI 16V Eng. OM 646.961 C 220 2.2 CDI 16V CLK 2.2 CDI 16V Eng. OM 646.963 2148 cc.	88	6280530001 6280530005	IN EX	6426 6427	S/NT R/NT	28.7 26.2	7 7	104.1 104.5	E E	45° 45°
2003 2003	4	Viano 2.2 CDI 16V Eng. OM646.982 Vito 2.2 CDI 16V Eng. OM 646.982/983 2148 cc.	88	6280530001 6280530005	IN EX	6426 6427	S/NT R/NT	28.7 26.2	7 7	104.1 104.5	E E	45° 45°
2002	5	E 270 2.7 CDI 20V Eng. OM 647.961 2685 cc.	88	6280530001 6280530005	IN EX	6426 6427	S/NT R/NT	28.7 26.2	7 7	104.1 104.5	E E	45° 45°
2002 2002 2004	6	S 320 3.2 CDI 24V E 320 3.2 CDI 24V E 280 3.2 CDI 24V Eng. OM 648.961 3222 cc.	88	6280530001 6280530005	IN EX	6426 6427	S/NT R/NT	28.7 26.2	7 7	104.1 104.5	E E	45° 45°
2001	V8	ML 400 4.0 CDI V8 24V Eng. OM 628.943 3996 cc.	88	6280530001 6280530005	IN EX	6426 6427	S/NT R/NT	28.7 26.2	7 7	104.1 104.5	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.





**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0021	I
	PI 06-0021	I
	PI 06-0021	I
	PI 06-0021	I
	PI 06-0021	I
	PI 06-0021	I
	PI 06-0021	I
	PI 06-0021	I


**NOTE
remarks**
MERCEDES - BENZ DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1993	4	C220 2.2 D 16V Eng. OM 604.910 2155 cc.	89	6060530701 6060530305	IN EX	4931 4932	S/CR R/CR	29 26	6 6	105.4 105.7	I I	45° 45°
1995	4	E220 2.2 D 16V Eng. OM 604.912 2155 cc.	89	6060531101 6060530705	IN EX	4918 4929	S/NT R/CR	29 26	6 6	105.4 105.7	EE EE	45° 45°
1996/99	4	E290 2.9 TDI 10V Eng. OM602.982 2874 cc.	89	6010531701 6010532327	IN EX	4193 4194	S/CR BM/CR	38 35	8 9	106.4 106.4	EE EE	45° 45°
1991	6	350 GD 3.0 D Eng. OM603.972A 3449 cc.										
1995	4	Sprinter 2.3 D Eng. OM601.943 2298 cc.	89	6010531701 6010530401 6010531201	IN	4193	S/CR	38	8	106.4	EE	45°
1996	4	Vito 2.3 D Eng. OM601.942 Vito 2.3 TD Eng. OM601.970 Eng. OM601D23LA 2298 cc.		6010501227 6010502127 6010502327	EX	4194	BM/CR	35	9	106.4	EE	45°
1995	5	Sprinter 2.9 TDI Eng. OM602.980 Eng. OM602DE29LA										
1996	5	Sprinter 2.9 TDI Eng. OM602.984-985 Eng. OM602LA 2874 cc.										
1988	4	208 - 308 - 408 - 508 2.3D Eng. OM601.900-940-941 2299 cc.	89	6010531701 6010502327	IN EX	4193 4194	S/CR BM/CR	38 35	8 9	106.4 106.4	EE EE	45° 45°
1988	5	210-310-410 2.9D Eng. OM602.900-940-991 2874 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6060531229	G3578	IN/EX	37.5	6	12.57	G	C.I.
6060531329	G3579 G3580				12.62 12.77		
6060531229	G3578	IN/EX	37.5	6	12.57	G	C.I.
6060531329	G3579 G3580				12.62 12.77		
6010500624	G3091	IN	39.5	8	14.07	G	C.I. -L
6010500924	G3370 G3371 G3092	EX	37.3	9	14.12 14.17 14.07		
6010500624	G3091	IN	39.5	8	14.07	G	C.I.-L
6010500924	G3370 G3371 G3092				EX		
6010500624	G3091	IN	39.5	8	14.07	G	C.I.-L
6010500924	G3370 G3371 G3092				EX		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6010500525 6010500825	PI 06-0036	I
6010500525 6010500825	PI 06-0036	I



NOTE remarks

MERCEDES - BENZ DIESEL

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1973	4	L - LK - LKO 406 DG L - LK - LKO 407 D O 309 D 240 D - TD 407 D - 507 D - 510 D 207 D - 307 D Eng. OM 616 2399 cc. 240 GD 4X4 MB 100 D Eng. OM 616.963 2998 cc.	90.9	6160530301 6160530201 6160500127 6160500527 6160500027	IN IN EX	3919 3633 3634	S/CR S/CR BM/CR	39.8 39.8 34.2	10 10 10	131.5 131.5 131	C C C	30° 30° 30°
1974	5	240 D 3.0 300 D - TD 300 GD 4X4 Eng. OM 617 2998 cc.										
1978	5	300 TD Eng. OM 617A Turbo 2998 cc.	90.9	6170530001 6170500027	IN EX	4191 4192	S/CR BM/CR	39.8 34.2	10 10	131.5 131	C C	30° 30°

MERCEDES BENZ INDUSTRIAL

1964/71	4	Eng. OM 314 3782 cc.	97	3520530101 3210530705	IN EX	3724 719	S/CR S/CR	44 36	9 9	140.5 140.5	M M	45° 45°
	6	Eng. OM 352 Eng. OM 352A Turbo Eng. OM 353A Turbo 5673 cc.		3520531505	EX	3725	R/CR	36	10	140.5	M	45°
1982	6	Eng. OM 362 LA Turbo 5675 cc.	97	3660500226 3660500027	IN EX	4917 3725	S/CR R/CR	43 36	9 10	140.5 140.5	M M	30° 45°
1984	4	Eng. OM 364 3972 cc.	97.5									
1984	4	611 D - 711 D - 811 D Eng. OM 364 A Turbo 3972 cc.	97.5	3660500326 3660500227	IN EX	4898 3725	S/CR R/CR	42 36	9 10	140.5 140.5	M M	30° 45°
1984	6	Eng. OM 366 Eng. 366A Turbo Up to Eng. n. 013600 Eng. OM 366 LA Turbo Up to Eng. n. 013600 5958 cc.	97.5	3660500226 3660500027	IN EX	4917 3725	S/CR R/CR	43 36	9 10	140.5 140.5	M M	30° 45°
1985	6	Eng. OM 366A Turbo From Eng. n. 013601 Eng. OM 366 LA Turbo From Eng. n. 013601 5958 cc.	97.5	3660500326 3660500227	IN EX	4898 3725	S/CR R/CR	42 36	9 10	140.5 140.5	M M	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1998	4	Atego Eng. OM 904 LA12V Eng. OM 907 12V 4247 cc.	102	9060500226	IN	6262	BM/CR	34	8	128.7	M	20°
	6	Eng. OM 906 18V 6374 cc.		9060500327	EX	6263	BM/CR	37.9	8	152.5	M	45°
1965	6	Eng. OM 327 7980 cc.	115	3270530701	IN	4088	S/CR	54	10	150	M	45°
1968	6	Eng. OM 360 Eng. OM 360H 8720 cc.		3270530705	EX	4089	R/CR	43	10	150	M	45°
1978	6	Eng. OM 360A Turbo 8720 cc.	115	3600500126	IN	4604	BM/CR	54	10	150	M	30°
				3600500226	EX	4605	BM/CR	43	10	150	M	45°
1972	V6	Eng. OM 401 Up to Eng. n. 265214 9570 cc.	125	4230500026	IN	4580*	S/AR/CR	59	12	142.5	M	30°
	V6	Eng. OM 401 A Turbo 9570 cc.		4230500427	EX	4581*	BM/CR	51	12	142.5	M	45°
1976	V8	Eng. OM 402 Up to Eng. n. 265214 12670 cc.	125	4230500026	IN	4580*	S/AR/CR	59	12	142.5	M	30°
	V10	Eng. OM 403 Up to Eng. n. 265214 15960 cc.										
1976	V12	Eng. OM 404 Up to Eng. n. 265214 20910 cc.	125	4230500026	IN	4580*	S/AR/CR	59	12	142.5	M	30°
	V12	Eng. OM 404A Turbo Up to Eng. 006644 20910 cc.										
1980	6	Eng. OM 407 Up to Eng. n. 029460 11413 cc.	125	4230500026	IN	4580*	S/AR/CR	59	12	142.5	M	30°
	6	Eng. OM 407H Up to Eng. n. 029460 11413 cc.										
1980	6	Eng. OM 407A - LA -HA Eng. OM 407 Turbo Eng. OM 407AH Turbo Up to Eng. n. 029460 11413 cc.	125	4230500026	IN	4580*	S/AR/CR	59	12	142.5	M	30°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
9060530129	G11335 G11336	IN/EX	60	8	13.03 13.08	G	C.I.
3270530830	G2148	IN	85	10	16.04	G	L
3270530430	G2149	EX	85	10	16.04	G	L-U
3270531430	G2151	EX	77	10	16.04	G	L
3270530830	G2148	IN	85	10	16.04	G	L
3270530430	G2149	EX	85	10	16.04	G	L
3270531430	G2151	EX	77	10	16.04	G	L
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE remarks
* 4580 - 4581 Retainer stem end 7.7 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.								
								D	d	L						
1972	V6	Eng. OM 401	125	4420500326	IN	4351*	BM/CR	58.9	12	142.5	M	30°				
		From eng. n. 265215 9570 cc.		4220500027		EX	4352*	BM/CR	51	12	142.5	M	45°			
	V8	Eng. OM 402		125	4420500326 4220500027	IN	4351*	BM/CR	58.9	12	142.5	M	30°			
		From eng. n. 265215 12670 cc.														
	V10	Eng. OM 403				125	4420500326 4220500027	IN	4351*	BM/CR	58.9	12	142.5	M	30°	
		From eng. n. 265215 15960 cc.														
V12	Eng. OM 404	125	4420500326 4220500027					IN	4351*	BM/CR	58.9	12	142.5	M	30°	
	From eng. n. 006645 20910 cc.															
6	Eng. OM 404A Turbo			125	4420500326 4220500027			IN	4351*	BM/CR	58.9	12	142.5	M	30°	
	From eng. n. 006645 20910 cc.															
6	Eng. OM 407					125	4420500326 4220500027	IN	4351*	BM/CR	58.9	12	142.5	M	30°	
	From eng. n. 029461 11413 cc.															
1980	6	Eng. OM 407 H	125					4420500326 4220500027	IN	4351*	BM/CR	58.9	12	142.5	M	30°
		From 029461 11413 cc.														
1980	6	Eng. OM 407A-LA-HA		125	4420500326 4220500027				IN	4351*	BM/CR	58.9	12	142.5	M	30°
		From eng. n. 029461 11413 cc.														
1980	6	Eng. OM 407 Turbo				125	4420500326 4220500027		IN	4351*	BM/CR	58.9	12	142.5	M	30°
		From eng. n. 029461 11413 cc.														
1980	6	Eng. OM 407AH Turbo	125					4420500326 4220500027	IN	4351*	BM/CR	58.9	12	142.5	M	30°
		From eng. 029461 11413 cc.														
1991	V6	Eng. OM 401A - LA		125	4420500526				IN	4351*	BM/CR	58.9	12	142.5	M	30°
		Turbo			4420500326					EX	4568*	BM/CR	51	12	142.5	M
	9567 cc.	4420500427														
1980	V8	Eng. OM 402A LA		125	4420500526 4420500326 4420500427	IN	4351*		BM/CR	58.9	12	142.5	M	30°		
		Turbo														
1980	6	Eng. OM 407 AH Turbo	125			4420500526 4420500326 4420500427	IN	4351*	BM/CR	58.9	12	142.5	M	30°		
		From Eng. n. 029461 11413 cc.														
1967/78	6	Eng. OM 355		128	3460530001		IN	3702	R/CR	42	9	129.8	M	45°		
		Eng. OM 355 H	3460530005		EX	3703		R/CR	37	9	165.2	M	45°			
	1978	6	Eng. OM 355A Turbo				3550500127									
1978	6	Eng. OM 355A Turbo	128	3550530001	IN	4094	R/CR	42	9	130.6	M	30°				
		11581 cc.		3550530005		EX	4095	R/CR	37	9	165.9	M	30°			

**GUIDAVALVOLE
VALVE GUIDES**

**PUNTERIE
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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
3460530929	G2146	IN	67.5	9	15.04	G	L
3550530330	G2147	EX	86.5	9	15.04	G	L
3460530929	G2146	IN	67.5	9	15.04	G	L
3550530330	G2147	EX	86.5	9	15.04	G	L



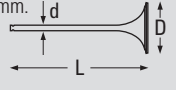


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

NOTE remarks
* 4351 - 4352 Retainer stem end 2.75 mm
* 4351 - 4568 Retainer stem end 2.75 mm

MERCEDES - BENZ DIESEL INDUSTRIAL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm. 				
								D	d	L		
1979	V6	Eng. OM 421	128	4230500026	IN	4580*	S/AR/CR	59	12	142.5	M	30°
		Up to Eng. n. 139487 10965 cc.		4230500427				EX	4581*	BM/CR		51
	V8	Eng. OM 422 Up to Eng. n. 139487 14618 cc.										
1981	V10	Eng. OM 423 Up to Eng. n. 139487 18270 cc.										
1981	V12	Eng. OM 424 Up to Eng. n. 002307 21930 cc.										
1985	6	Eng. OM 427 - 427 H Up to Eng. n. 001399 11961 cc.										
1979	V6	Eng. OM 421	128	4420500326	IN	4351*	BM/CR	58.9	12	142.5	M	30°
		From Eng. n. 139488 10965 cc.		4220500027				EX	4352*	BM/CR		51
	V8	Eng. OM 422 From Eng. n. 139488 14618 cc.										
1981	V10	Eng. OM 423 From Eng. n. 1139488 18270 cc.										
1981	V12	Eng. OM 424 From Eng. n. 002308 21930 cc.										
1985	6	Eng. OM 427 - 427 H From Eng. 001400 11960 cc.										
1987	V6	Eng. OM 441 11309 cc.										
		Eng. OM 442 14600 cc.										
1985	6	Eng. OM 447 - 447H 11970 cc.										

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VALVE GUIDES**

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

NOTE remarks
* 4580 - 4581 Retainer stem end 7.7 mm
* 4351 - 4352 Retainer stem end 2.75 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1979	V6	Eng. OM 421A/LA Turbo Up to Eng. n. 139487 10965 cc.	128	4230500026	IN EX	4580* 4569*	S/AR/CR	59	12	142.5	M	30°	
				4230500327			BM/CR	51	12	142.5	M	45°	
	V8	Eng. OM 422A Turbo Eng. OM 422 LA Turbo Up to Eng. n. 139487 14618 cc.		MODULATING VALVE									
	V10	Eng. OM 423A/LA Turbo Up to Eng. n. 139487 18270 cc.		4420160191			6479	R	17	8	84	S	45°
	V12	Eng. OM 424A/LA Turbo Up to Eng. n. 002307 21930 cc.		4420160391		6480	R	17	8	90.3	S	45°	
1979	V6	Eng. OM 421A/LA Turbo From Eng. n. 139488 10965 cc.	128	4420500326	IN EX	4351* 4568*	BM/CR	58.9	12	142.5	M	30°	
				4220500127			BM/CR	51	12	142.5	M	45°	
	V8	Eng. OM 422A/LA Turbo From Eng. n. 139488 14618 cc.											
	V10	Eng. OM 423A/LA Turbo From Eng. n. 139488 18270 cc.		MODULATING VALVE									
	V12	Eng. OM 424A/LA Turbo From Eng. 002308 21930 cc.		4420160191		6479	R	17	8	84	S	45°	
				4420160391		6480	R	17	8	90.3	S	45°	
1985	6	Eng. OM 427A/LA Turbo 11967 cc.											
1987	V6	Eng. OM 441A/LA Turbo 11309 cc.											
	V6	Eng. OM 441A/LA Turbo 10958 cc. Eng. OM 447A/LA Turbo 11961 cc.											
	V8	Eng. OM 442 A Turbo Eng. OM 442A/LA Turbo 14610 cc.											
	V8	Eng. OM 442 Eng. OM 442A Turbo 14600 cc.											
	V12	Eng. OM A/LA Turbo 21930 cc.											
1985	6	Eng. OM 447A/LA Turbo 11970 cc.											
1987	V6	Eng. OM 441 11303 cc.	130	4420500326	IN	4351*	BM/CR	58.9	12	142.5	M	30°	
				4220500127	EX	4568*	BM/CR	51	12	142.5	M	45°	
1985	V8	Eng. OM 442 15100 cc.		4220500227									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.





**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

NOTE remarks
* 4580 - 4569 Retainer stem end 7.7 mm
* 4351 - 4568 Retainer stem end 2.75 mm
* 4351 - 4568 Retainer stem end 2.75 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1996	V6	ACTROS Eng. OM501LAV6 24V	130	5410500226	IN	6190	BM/CR	45.5	9	145	M	30°
		Eng. OM541.920-927 11946 cc.		5410500227	EX	6191	BM/CR	41	9	145	M	45°
	V8 Eng. OM502LAV8 32V Eng. OM 542LA32V 15928	MODULATING VALVE 5410160791			6481	R	17	8	86.8	S	45°	
MG												
2000	4	MG-F 120 1.8 i 16V Eng. 18K4F	80	LGH10029	IN	4816	S/NT	27.7	6	89.6	S	45°
		MG-F 160 1.8 i 16V VVC Eng. 18K4K		LGH10065	EX	6118	R/NT	27.4	6	90	S	45°
2002		MG-TF 120/135 1.8 i 16V Eng. 18K4F		LGH101360								
2001		MG-ZR 160 1.8 i 16V MG-ZS 160 1.8 i 16V Eng. 18K4F 1796 cc.										
2002	4	MG-TF 160 1.8 VVC	80	LGH10064	IN	6117	S/NT	31.6	6	89.6	S	45°
		MG-ZR 160 1.8 VVC Eng. 18K4K 1796 cc.		LGH10065	EX	6118	R/NT	27.4	6	90	S	45°
2001	V6	MG-ZS 180 2.5 V6 24V MG-ZT 180/190 2.5 V6 24V Eng. 25K4F 2497 cc.	80	LGH10064	IN	6117	S/NT	31.6	6	89.6	S	45°
				LGH10065	EX	6118	R/NT	27.4	6	90	S	45°
				LGH101360								
MG DIESEL												
2002	4	MG-ZT 2.0 CDTI 16V MG-ZT-T 2.0 CDTI 16V Eng. 204D2 1951 cc.	84	LGH101450	IN/EX	6088	BM/CR	26	6	100	I	45°
		MG-ZR 115 2.0 TDI 16V MG-ZS 115 2.0 TDI 16V Eng. 20T2N 1994 cc.		LGH100990	IN	6119	S/NT	37.2	7	86.7	EE	45°
2004			84.5	LGH100980	EX	6120	R/NT	32.5	7	86.7	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**



**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
5410531230	G11300 G11301	IN/EX	61	9	15.03 15.08	G	C.I.
LGJ10034	G11166 G11167	IN/EX	30	6	9.88 9.93	G	L
LGJ10034	G11166 G11167	IN/EX	30	6	9.88 9.93	G	L
LGJ10034	G11166 G11167	IN/EX	30	6	9.88 9.93	G	L
	G11313 G11314	IN/EX	39	6	11.54 11.59	B	L
LGJ100510	G11329	IN/EX	28.5	6.95	12.07	G	L

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0005	I
11332249817	PI 06-0019	I
	PI 06-0025	I

NOTE remarks

MERCEDES - BENZ DIESEL INDUSTRIAL
MG

MG DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					°
								D	d	L			
MINI													
2000	4	Mini One 1.6 16V Mini Cooper 1.6 16V Eng. R50 1598 cc.	77	11341485585 11347513023 11347829943 11347513024	IN EX	6252 6253	S/CR BM/CR	30.3 23.3	6 6	109.5 118.3	I I	45° 45°	
MINI DIESEL													
2003	4	Mini One 1.4D Eng. 1ND-1NDTV 1364 cc.	73	11347791054 11347791055	IN EX	6320 6321	S/NT R/NT	30.8 28	6 6	100 99.8	S S	45° 45°	
MITSUBISHI													
1977	4	Fiore 1200 Lancer 1200 Colt - Mirage 1200 Eng. G11 1244 cc.	69.5	MD016460 MD016461	IN EX	3833 3834	S R/CR	34 30	6.6 6.6	102 101	EE EE	45° 45°	
1983	4	Fiore 1300 Lancer 1300 Colt - Mirage 1300 Eng. G13 1299 cc.	71										
1971	4	Galant 1200 Lancer 1200 Delica 1200 Eng. 4G41 - 4G42 1200 cc.	71	MD010480 MD010481	IN EX	3827 3828	S R/CR	37 29	8 8	100.5 100.5	M M	45° 45°	
1998	4	Spece Star 1.3 16V Eng. 4G13 1299 cc.	71	MD342090 MD342091	IN EX	6486 6487	S/NT R/NT	27 23.4	5.5 5.5	111.6 114.8	S S	45° 45°	
1975/78	4	Lancer 1200 Eng. G36 1238 cc.	73	MD000480 MD000481	IN EX	3829 3830	S R/CR	38 31	8 8	106 102.5	H H	45° 45°	
1977/78	4	Celeste 1400 Delica 1400 Galant 1400 Lancer 1400 Fork 1400 Eng. 4G33 1439 cc.											

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11122-30020	G11368	IN/EX	40.6	6	11.04	G	L
MDO - 16441	G2945	IN	44	6.57	12.06	G	L
MDO - 16445	G2946	EX	50	6.57	12.06	G	L
MDO - 10461	G2735	IN	43.6	8	13.61	G	L
MDO - 10466	G2736	EX	54	8	13.61	G	L
MDO - 00461	G2737	IN	43.3	8	13.11	G	L-X
MDO - 00471	G2738	EX	48	8	13.11	G	L-X

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE remarks





MINI

MINI DIESEL

MITSUBISHI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1978	4	Celeste 1400 Challenger 1400 Fiore 1400 Lancer 1400 Tredia 1400 Colt - Mirage 1400 Eng. G12 1410 cc.	74	MD016460 MD016461	IN EX	3833 3834	S R/CR	34 30	6.6 6.6	102 101	EE EE	45° 45°
1983	4	Fiore 1500 Lancer 1500 Colt - Mirage 1500 Eng. G15 1468 cc.	75.5									
2004	3	Colt 1.1 i 12V 1124 cc.	75	MR984260 MR294261	IN EX	6484 6485	S/NT R/NT	30.4 25.4	5 5	89.5 90.9	S S	45° 45°
2004	4	Colt 1.3 i 16V 1332 cc.		MR984260 MR294261	IN EX	6484 6485	S/NT R/NT	30.4 25.4	5 5	89.5 90.9	S S	45° 45°
2004	4	Space Star 1.6 i 16V 1584 cc.	76	MD339752 MD339754	IN EX	6482 6483	S/NT R/NT	29 25.4	5.5 5.5	111.7 114.7	S S	45° 45°
1985/88	4	Colt - Mirage - Lancer Eng. G32B 1598 cc.	76.9	MD075925 MD075928	IN EX	4786 4787	S R/NT	38 31	8 8	103.5 100	EE EE	45° 45°
1999	4	Space Star 1.8 Pajero Pinin 2.0 16V Eng. 4G94 1999 cc.	81	MD162780 MD162800	IN EX	6272 6273	S/NT R/NT	33 28.2	6 6	104.3 103.8	EE EE	45° 45°
1989	4	Colt - Mirage Eng. 4G61 1595 cc	82.3	MD127840 MD127841	IN EX	4921 4922	S/NT R/NT	34 30.5	6.6 6.6	109.7 109.7	EE EE	45° 45°
1990	4	Galant Eng. 4G63	85									
1993	4	Space Wagon 2.0 16V Space Gear 2.0 16V Galant 2.0 16V Eng. 4G63 16V 1997 cc.	85	MD301193 MD159502 MD197097 MD199193 MD306183	IN EX	6104 6105	S/NT R/AR/NT	33 29	6 6	112.5 114.2	EE EE	45° 45°
	4	Space Gear 2.4 Eng. G64K 16V 2350 cc. L 300 Pajero Space Runner Eng. 4G64 2351 cc.	86.5 86.5									

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
MITSUBISHI DIESEL												
2004	4	Colt 1.5 DI-D 1493 cc.	75	MN 960088	IN	6473	S/CR	28.5	6	102.3	I	45°
				MN 960089	EX	6474	R/CR	25.4	6	102.3	I	45°
1996	4	Carisma 1.9 TD Eng. F8QT 1870 cc.	80	7701466716	IN	4717	BM	36.2	8	111.7	E	30°
				7701466717	EX	4718	BM	31.6	8	111.7	E	45°
2000	4	Carisma 1.9 DI-D Eng. F9Q1-F9Q2 1870 cc.	80	7700110387	IN	4973	S	35.3	7	110.9	E	45°
				7700110389	EX	4974	R	32.6	7	110.7	E	45°
2000	4	Space Star 1.9 TDI Eng. F9Q 1870 cc.	80	MW30620685	IN	4973	S	35.3	7	110.9	E	45°
				MW30620686	EX	4974	R	32.6	7	110.7	E	45°
1984/88	4	Colt - Galant Lancer Space Wagon Eng. 4D65 - 4D65T 1795 cc.	80.60	MD075287	IN	6008	BM/NT	36	8	119.2	EE	45°
				MD080778	EX	6009	BM/NT	32	8	119.2	EE	45°
1992/93	4	Lancer - Galant Spacewagon Eng. 4D68 - 4D68T 1998 cc.	82.7	MD173602	IN	6100	S/NT	36	8	114.1	EE	45°
				MD180356	EX	6101	R/NT	32	8	113.6	EE	45°
1980	4	Delica 2300 Galant 2300 Pajero 4x4 Eng. 4D55 2346 cc.	91.1	MD050552	IN	4405	S/NT	40	8	136.5	M	45°
				MD050543	EX	4406	R/NT	34	8	136.5	M	45°
1983	4	L300 2.3D Eng. 4D55	91.1	MD083661	IN	4537	S/NT	40	8	136.5	EE	45°
				MD083662	EX	4538	R/NT	34	8	136.5	EE	45°
1982	4	L300 2.3 TD Eng. 4D55T 2347 cc.										
1986	4	L300 2.5 Eng. 4D56										
1988/91	4	L200 2.5 TD Eng. 4D56T										
1988/91	4	L300 2.5 TD Eng. 4D56T 2477 cc.										
1983	4	Pajero 2.3 D Eng. 4D55	91.1	MD083661	IN	4537	S/NT	40	8	136.5	EE	45°
				MD083662	EX	4538	R/NT	34	8	136.5	EE	45°
1982	4	Pajero 2.3 TD Eng. 4D55T 2347 cc.										
1988/91	4	Space Gear Eng. 4D56T 2477 cc.										

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1986 1988/91	4	Pajero 2.5 D Eng. 4D56 Pajero 2.5 TD Eng. 4D56T 2477 cc.	91.1	MD083661 MD083662	IN EX	4537 4538	S/NT R/NT	40 34	8 8	136.5 136.5	EE EE	45° 45°
1991 1996	4	L200 2.5 TD L300 2.5 TD Eng. 4D56T L200 2.5 TDI Eng. 4D56TI 2477 cc.	91.1	MD 198404 MD 198406	IN EX	6102 6103	BM/NT BM/NT	40 34	8 8	130.2 130	EE EE	45° 45°
1991 1989	4	Pajero 2.5 TD Eng. 4D56T Pajero 2.5 TDI Eng. 4D56TI 2477 cc.	91.1	MD 198404 MD 198406	IN EX	6102 6103	BM/NT BM/NT	40 34	8 8	130.2 130	EE EE	45° 45°
1994 1994	4	Pajero 2.8 D Eng. 4M40 Pajero 2.8 TD Intercooler Eng. 4M40T 2835 cc.	95	ME200050 ME200051	IN EX	4982 4983	R/NT R/NT	41 35	8 8	108.7 108.5	EE EE	45° 45°
1996 1999	4	Canter 2.8 D Eng. 4M40 Canter 2.8 TD Intercooler Eng. 4M40T 2835 cc.	95	ME200050 ME200051	IN EX	4982 4983	R/NT R/NT	41 35	8 8	108.7 108.5	EE EE	45° 45°
M.W.M.												
1952/63	1	Eng. KD 12E 880 cc. Eng. KD 12Z 1700 cc. Eng. KD 12D 2550 cc. Eng. KD 12V 3400 cc. Spessore testa maggiorato 1 mm Spessore testa maggiorato 2 mm	95	632134600014 632134600024	IN	1036	S/CR	41	10	129	H	45°
	EX				1037	S/CR	37	10	129	H	45°	
	IN				4211	S/CR	41	10	129	H	45°	
	EX				4212	S/CR	37	10	129	H	45°	
	IN				4302	S/CR	41	10	129	H	45°	
					EX	4339	S/CR	37	10	129	H	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
MDO - 50523 MDO - 50527	G3217 G3218	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
MDO - 50523 MDO - 50527	G3217 G3218	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
MDO - 50523 MDO - 50527	G3217 G3218	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
	G11001 G11119	IN/EX	58	8	13.08 13.13	G	L-X-U
	G11001 G11119	IN/EX	58	8	13.08 13.13	G	L-X-U

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE
remarks

MITSUBISHI DIESEL

M.W.M.

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1965	2	Eng. D 208Z - D308Z 1490 cc.	95	630804600014 620704603014	IN	4300	S/CR	38	9	117	I	45°	
1967		Eng. D 225 - D 325 1700 cc.			EX	4341	S/CR	35	9	117	I	45°	
1965	3	Eng. D 208D - D308D 2235 cc.											
1967	3	Eng. D 225 - D 325 2550 cc.											
1965	4	Eng. D 208V - D308V 3080 cc.											
1967	4	Eng. D 225 - D 325 3400 cc.											
1965	6	Eng. D 208S - D308S 4470 cc.											
1967	6	Eng. D 225 - D 325 5100 cc. Spessore testa maggiorato 1 mm			IN	4349	S/CR	38	9	117	I	45°	
			EX	4350	S/CR	35	9	117	I	45°			
1954/65	1	Eng. AKD 12/112E 910 cc.	98	632134600014 632134600024	IN	1036	S/CR	41	10	129	H	45°	
	2	Eng. AKD 12/112Z 1810 cc. Eng. 322 Z 1802 cc.			EX	1037	S/CR	37	10	129	H	45°	
	3	Eng. AKD 12/112D 2720 cc. Eng. 322 D 2703 cc.											
	4	Eng. AKD 12/112V 3620 cc. Spessore testa maggiorato 1 mm			IN	4211	S/CR	41	10	129	H	45°	
		Spessore testa maggiorato 2 mm			EX	4212	S/CR	37	10	129	H	45°	
					IN	4302	S/CR	41	10	129	H	45°	
					EX	4339	S/CR	37	10	129	H	45°	
1970/77	37043	Eng. D 327 1880/5650 cc.			100	622604600054 630804600024	IN	4305	S/CR	41	9	117	I
	37045	Eng. D 227 3770/5654 cc.	105		EX	4310	R/CR	38	9	117	I	45°	
1969/77	2	Eng. D 226 Z 2080 cc.											
	3	Eng. D 226 D 3120 cc.											
	4	Eng. D 226 V 4160 cc.											
	6	Eng. D 226 S 6240 cc.											

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
630503320034	G3527	IN/EX	58	9	15.05	G	F
630503320034	G3527	IN/EX	58	9	15.05	G	F
	G11382	IN/EX	62.8	9	15.03	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

M.W.M.

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1971/77	4	Eng. TD226/4 Turbo 4160 cc.	105	622804603014 622604603024	IN	4725	S/CR	42	9	117	I	30°
	6	Eng. TD226/6 Turbo 6240 cc.			EX	4310	R/CR	38	9	117	I	45°
1982	V6	Eng. TBD 234 Turbo 10800 - 21600 cc.	128	623404600064 623404600054	IN	4768	BM/CR	58	10	163	E	30°
	V8				EX	4769	BM/CR	53	10	163	E	45°
		Eng. D402		698604600014 698604600024	IN	4328	S/CR	31	9	90	I	45°
					EX	4329	S/CR	29	9	90	I	45°
		Eng. LKS		698704600014 698704600024	IN	4330	S/CR	36	9	111	I	45°
					EX	4331	S/CR	31	9	111	I	45°

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1986/91	4	March Micra Eng. M10 997 cc.	68	13201-01B00 13201-10B00	IN	4440	S/CR	35.1	7	109.7	M	45°
					EX	4441	R/CR	30.1	7	109.7	M	45°
		March Micra Eng. M12 1235 cc.	71	13202-01B00 13202-10B00								
2003	4	Kubistar 1.2 i 16V Eng. D4F 1149 cc.	69	13201-00QAG 13202-00QAH	IN	6177	S	26	5.5	110.7	I	45°
					EX	6178	BM	22	5.5	112.5	I	45°
1992/03	4	Micra 1.0 i 16V Eng. CG10DE 998 cc	71	13201-99B10 13202-99B10	IN	4651	R/NT	27.5	5.5	96	E	45°
1992/00		Micra 1.3 16V Eng. CG13DE 1275 c.			EX	4652	R/NT	22.5	5.5	96	E	45°
2003 2003	4	Micra 1.0 i 16V Micra 1.2 i 16V Eng. CR10DE 998 cc.	71	13201-1F700 13202-F700	IN	6430	S/NT	27.4	5.5	97.8	E	45°
					EX	6431	R/NT	22.5	5.5	97.9	E	45°
2000/03	4	Micra 1.4 i 16V Eng. CGA3DE 1348 cc.	72	13201-99B10 13202-99B10	IN	4651	R/NT	27.5	5.5	96	E	45°
					EX	4652	R/NT	22.5	5.5	96	E	45°
2003	4	Micra 1.4 i 16V Eng. CR14DE 1386 cc.	72	13201-1F700 13202-F700	IN	6430	S/NT	27.4	5.5	97.8	E	45°
					EX	6431	R/NT	22.5	5.5	97.9	E	45°
1966	4	Cherry - Sunny 1000 Eng. A10 988 cc.	73	13201-H2300 13201-18000 13201-H1000	IN	3835	S	35	8	103.6	M	45°
1970	4	Cherry 1200 Pulsar 1200 Sunny 1200 Eng. A12 1171 cc.			EX	3836	R/CR	29	8	103.8	M	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1993/94	4	Sunny 1.4HB Sunny 1.6HB Primera 1.6SD Eng. GA14 - GA16 1392 - 1597 cc.	73.6	13201-57Y00 13202-57Y00	IN EX	4653 4654	R/CR R/CR	30	5.5	92.2	E	45°	
								24	5.5	92.6	E	45°	
1990/95 1995	4 4	Sunny 1.4 i 16V Almera 1.4 i 16V Eng. GA14DE 1392 cc.	73.6	13201-4M500 13202-2F000	IN EX	6275 6276	S/NT R/NT	29	5.5	92.2	E	45°	
								24	5.5	92.6	E	45°	
2000	4	Almera 1.5 16V Eng. QG15DE 1497 cc.	73.6	13201-BM500 13202-57Y00	IN EX	6279 4654	S/NT R/CR	29.1	5.5	92.3	E	45°	
								24	5.5	92.6	E	45°	
1981 1981	4 4	Pulsar 1300 Sunny 1300 Eng. E13 1270 cc. Pulsar 1500 Sunny 1500 Prairie 1500 Eng. E15 1487 cc.	76	13201-01M00 13202-01M00	IN EX	4403 4404	S/NT R/NT	37	7	118.7	M	45°	
								30	7	118.1	M	45°	
1982	4	Langley 1500 Pulsar 1500 Sunny 1500 Eng. E15EG1 1487 cc.	76	13201-25M00 13202-63A00	IN EX	4407 4408	S/NT R/NT	37	7	119.6	M	30°	
								31	7	119.9	M	45°	
1980/83	4	Cherry 1500 Datsun 1500 Pulsar 1500 Sunny 1500 Eng. A15 1487 cc.	76	13201-H9500 13202-H9500	IN EX	4428 4429	S/CR R/CR	35	8	99.8	M	45°	
								30	8	99.8	M	45°	
1991	4	Sunny 1.6 i 16V	76	13201-2F000 13202-2F000	IN	4653	R/CR	30	5.5	92.2	E	45°	
1992	4	100 NX 1.6 i 16V			EX	4654	R/CR	24	5.5	92.6	E	45°	
1993		Primera 1.6 I 16V											
1995		Almera 1.6 i 16V											
1996		Serena 1.6 i 16V Eng. GA16DE 1597 cc.											
1995	4	Vanette 1.6 i 16V Eng. GA16DE 1597 cc.	76	13201-2F000 13202-2F000	IN	4653	R/CR	30	5.5	92.2	E	45°	
					EX	4654	R/CR	24	5.5	92.6	E	45°	
1970 1972	4	Gloria 2000 Laurel 2000 Eng. L20E 1998 cc.	78	13201-21000 13202-21002	IN	3841	S/CR	38	8	117.2	M	45°	
					EX	3842	R/CR	33	8	117.2	M	45°	

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1970	4	Cabstar 1500 Caravan 1500 Fork 1500 Homer 1500 Eng. J15 1483 cc.	78	13201-01W01 13202-01W03	IN EX	4890 4891	S R/NT	38 32	8.7 8.7	109.5 109.5	M M	45° 45°
1972		Caravan 1600 Homer 1600 Eng. J16 1567 cc.										
2003	4	Kubistar 1.6 i 16V Eng. K4M 1598 cc.	79.5		IN EX	6029 6030	S R	32.7 28	5.5 5.5	109.3 107.7	E E	45° 45°
2000/04 2001	4	Almera/Tino 1.8 i 16V Primera 1.8 i 16V Eng. QG18DE 1769 cc.	80	13201-2F000 13202-9F600	IN EX	4653 6277	R/CR R/NT	30 25	5.5 5.5	92.2 92.6	E E	45° 45°
2002	4	Primastar 2.0 16V Eng. F4R 720 1998 cc.	82.7		IN EX EX	6138 6192 6139	S BM R	33.4 29 29	5.5 5.5 5.5	110 108.9 109	S S S	45° 45° 45°
1968/81 1970/78 1968/81	4	Bluebird 1400 Sunny 1400 Violet 1400 Eng. L14 1428 cc.	83	13201-21000 13202-21002	IN EX	3841 3842	S/CR R/CR	38 33	8 8	117.2 117.2	M M	45° 45°
1976 1968 1968 1976		910 521 - 620 Violet Satzza 1600 Eng. L16 1595 cc.										
1983	4	Silvia 1800 Bluebird 1800 Eng. CA18T 1809 cc.	83	13201-17F01 13202-22F00	IN EX	4744 4745	S/NT R/NT	41 35	7 7	105.7 106.8	M M	45° 45°
1989/91	4	Bleubird 1800i Sunny GTI Eng. CA18DE 16V 1809 cc.	83	13201-51E10 13202-44F00	IN EX	6006 6007	S/NT R/AR/NT	34.1 28	6 6	89 89.4	S S	45° 45°
1979	4	Cherry 2000 Gazzelle 2000 Homy 2000 Laurel 2000 Sunny 2000 Eng. Z20 1952 cc	85	13201-N8501 13202-N8500	IN EX	4588 4589	S/NT R/NT	42 38	8 8	124.4 125.4	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
13212-30001 13213-30002	G2704 G2705	IN EX	47.5 55.6	8.72 8.72	14.32 14.32	G G	L L
7700109151	G11238 G11239 G11240	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
13212-53Y60 13213-53Y60	G3221 G3222	IN EX	40 40	5.5 5.5	9.53 9.53	G G	L-X L-X-U
	G11238 G11239 G11240	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
13212-21010 13213-21010	G2709 G2710	IN EX	57.5 59	8 8	12.05 12.05	G G	L L





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	PI 06-0013	I

NOTE remarks

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VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1960	6	Cabstar Bus Patrol 4x4 Eng. P40 3956 cc.	85.7	13201-58000	IN	4590	S/CR	43	8.7	131.5	M	45°	
				13202-C8000	EX	4591	R/CR	36.2	8.7	131.5	M	45°	
				13202-58002									
1990	4	Primera 2.0 i 16V Sunny 2.0 i 16V Eng. SR20DI-SR20DE 1998 cc.	86	13201-70J00	IN	4655	S/CR	34	6	101.5	E	45°	
				13202-70J10	EX	4656	R/CR	30	6	102.5	E	45°	
1996 1995/96	4	Almera 2.0 i 16V Primera 2.0 i 16V Eng. SR20DE 1998 cc.	86	13201-89J00	IN	6106	S/NT	34	6	101.5	E	45°	
				13202-89J00	EX	6107	R/NT	30	6	102.4	E	45°	
1996/98	4	Almera 2.0 GTI 16V Eng. SR20DEP11 1998 cc.	86	13201-2J201	IN	6108	S/NT	34	6	98.4	E	45°	
				13202-2J201	EX	6109	R/NT	30	6	99.3	E	45°	
1999	4	Primera 2.0 16V Eng. SR20DE 1998 cc.	86	13201-2F000	IN	4653	R/CR	30	5.5	92.2	E	45°	
				13202-2F210	EX	6278	R/AR/NT	30	6	99.3	E	45°	
2001	4	Primera 2.0 i 16V X-Trail 2.0 i 16V Eng. QR20DE 1998 cc.	86	13201-2F200	IN	6281	S/NT	34.1	6	98.4	E	45°	
				13202-2F210	EX	6278	R/AR/NT	30	6	99.3	E	45°	
1966	4	Cabstar 2000 Cedric 2000 Civilian 2000 Clipper 2000 Echo 2000 Gloria 2000 Eng. H20 1982 cc.	87.2	13201-F1800	IN	3845	S	42	8.7	110.2	M	45°	
				13202-P5100	EX	3848	R/CR	32	8.7	110.8	M	45°	
1966	6	Fork President 3000 Eng. H30 2974 cc.											
1986	4	Terrano 4X4 Urvan 720 Pathfinder Eng. Z24 2400 cc.	89	13201-N8501	IN	4588	S/NT	42	8	124.4	E	45°	
				13202-N8500	EX	4589	R/NT	38	8	125.4	E	45°	
1972	4	Datsun Truck 130		13201-20610	IN	3839	S	35	8.7	109.5	D	45°	
				13202-B5910	EX	3840	R/CR	30	8.7	109.5	D	45°	
	4	Datsun Truck Cabstar 1500 Caravan Homer 1500		13201-73000	IN	3843	S	38	8.7	109	D	45°	
				13201-B5100									
				13202-B3000	EX	3844	R/CR	32	8.7	109	D	45°	
				13202-B16700									

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2003	4	Micra 1.5 Dci Tekna	76	13201-BN700	IN	6185	S	33.5	6	100.95	I	45°
2002		Almera 1.5 Dci Eng. K9K 1461 cc.		13202-BN700	EX	6186	BM	29	6	100.75	I	45°
2003	4	Kubistar 1.5 Dci K9K.A7/B7 1461 cc.	76	13201-BN700 13202-BN700	IN EX	6185 6186	S BM	33.5 29	6 6	100.95 100.75	I I	45° 45°
1997	4	Micra 1.5D Eng. TUD5 1527 cc.	77	13201-6F900 13202-6F900	IN EX	4821 4822	S R/CR	37 31.5	7 7	108.4 108.2	E E	45° 45°
1983	4	Sunny 1700 Pulsar 1700 Langley 1700 Eng. CD17 1680 cc.	80	13201-16A00 13202-16A00	IN EX	4485 4486	S/NT R/NT	36 31	7 7	100.9 100.9	M M	45° 45°
2002	4	Primastar 1.9 Dci	80	13201-AW300	IN	4973	S	35.3	7	110.9	E	45°
2002		Interstar 1.9 Dci		13202-AW300	EX	4974	R	32.6	7	110.7	E	45°
2003		Primera 1.9 Dci Eng. F9Q 1870 cc.										
1963	4	Cedric 2200 Clipper 2200 Homy 2200 Junior 2200 Eng. SD22 3246 cc.	83	13201-Y5200 13202-Y5200	IN EX	3853 3854	S R/CR	38 32	8 8	117 117	E E	45° 45°
1983	4	Atlas Homy 2300 720 Truck E23/F22 Eng. SD23 2289 cc.	83	13201-L2000 13202-L2000	IN EX	4401 4402	S/NT R/NT	40 34	8 8	117 117	E E	45° 45°
1994/99	4	Serena 2.3 D	84.5	13201 - 9C600	IN	6066	R/CR	41.5	8	118	M	45°
1998/01		Cabstar E 75.28 2.3 E		13202 - 9C601	EX	6067	R/CR	33	8	117.6	M	45°
1998/01		Trade 2.3 D										
1995		Vanette 2.3 D Eng. LD 23 2283 cc.										
1996	4	Almera 2.0 TD Primera 2.0 TD Eng. CD20T 1974 cc.	84.5	13201-60J04 13202-60J02	IN EX	6175 6176	S/NT R/NT	39 32	7 7	99.7 99.6	M M	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11308 G11309	IN/EX	40.5	6	11.07 11.22	B	C.I.
	G11308 G11309	IN/EX	40.5	6	11.07 11.22	B	C.I.
13212-6F900	G3555 G3557	IN	40.2	7	13.07 13.12	B	C.I.
13213-6F900	G3556 G3558	EX	43	7	13.07 13.12	B	C.I.
13212-D0110/111	G11136 G11137 G11138	IN	45	7	11.03 11.08 11.23	G	L-X
13213-V5514	G11139 G11140 G11141	EX	48	7	11.03 11.08 11.23	G	L-X
	G13600 G11164	IN/EX	38.3	7	12.06 12.11	B	C.I.
13212-9C641	G11433 G11434	IN/EX	59	8	12.04 12.25	G	L-U
13212-D0110/111	G11136 G11137 G11138 G11139	IN	45	7	11.03 11.08 11.23	G	L-X
		EX	48	7	11.03	G	L-X

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
96027105	PI 03-105	M
13231-40L05	PI 06-0027	I







NOTE remarks
PI 06-0027 Eng. with EGR valve

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VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1988/89	6	Patrol td Eng. RD28 T - Turbo 2826 cc.	85	13201-22J00/01	IN	6510	R/AR/NT	39	7	102.8	M	45°
				13201-22301	EX	6511	R/AR/NT	32	7	102.6	M	45°
1986/97	6	Patrol Td Eng. RD28T	85	13201-22J11	IN	4746	R/AR/NT	39	7	101.8	M	45°
1997/00	6	Patrol 2.8 TD Intercooler Eng. RD28TI 2826 cc.		13202-40L00	EX	4747	R/AR/NT	32	7	101.6	M	45°
2001	4	X-Trail 2.2 Dci 16V Eng. YD22DDT/DDTI/ETI 2184 cc.	86	13201-AD210	IN	6284	S/NT	28	6	106.35	S	45°
				13202-AD200	EX	6285	R/NT	26	6	106.75	S	45°
2000	4	Almera/Tini 2.2 Dci 16V Primera 2.2 Dci Eng. YD22DDT/DDTI/ETI 2184 cc.	86	13201-AD210	IN	6284	S/NT	28	6	106.35	S	45°
				13202-AD200	EX	6285	R/NT	26	6	106.75	S	45°
2002	4	Interstar 2.2 Dci 16V Eng. G9T.700/710/720 2188 cc.	87	13201-00QAD	IN	6237	S	30.7	6	123.1	I	45°
				13202-00QAD	EX	6238	BM	29.5	6	122.9	I	45°
1983	4	Atlas F22 - H40 Eng. SD25 2488 cc.	89	13201-L2000	IN	4401	S/NT	40	8	117	E	45°
				13202-L2000	EX	4402	R/NT	34	8	117	E	45°
2002 2003	4	Interstar 2.5 Dci 16V Primastar 2.5 Dci 16V Eng. G9U.A7 2463 cc.	89	13201-00QAD	IN	6237	S	30.7	6	123.1	I	45°
				13202-00QAD	EX	6238	BM	29.5	6	122.9	I	45°
1988/91	4	Urvan Cabstar Eng. TD25 2493 cc.	92.9	13201-44G00	IN	4811	R/CR	41.5	8	117	M	45°
				13202-44G00	EX	4812	R/CR	37	8	117	M	45°
1987/98 1993	4	Pick-up 2.7 D 4WD Terrano II 2.7 D Eng. TD27	96	13201-G2403	IN	4923	S/NT	43.5	8	117	M	45°
				13202-G2403	EX	4924	R/NT	38	8	117	M	45°
1989/96 1993/02		Terrano I 2.7 TD Terrano II 2.7 TD Eng. TD27T 2663 cc.										
1994/98 1996/98	4	Trade 3.0 D Eng. BD30 Trade 3.0 TDI Eng. BD30TI 2953 cc.	96	13201-G2403	IN	4923	S/NT	43.5	8	117	M	45°
				13202-G2403	EX	4924	R/NT	38	8	117	M	45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1997	6	Patrol 4.2 TD Intercooler Eng. TD42T 4169 cc.	96	13201-G2403 13202-G2403	IN EX	4923 4924	S/NT R/NT	43.5 38	8 8	117 117	M M	45° 45°
2000	4	Alteon 110.35/56 3.0 TDI Alteon 120.35/56 3.0 TDI Eng. BD30TI 2953 cc.	96	13201-G2403 13202-G2403	IN EX	4923 4924	S/NT R/NT	43.5 38	8 8	117 117	M M	45° 45°
1998 1998 1998	4	Cabstar E 90.32 2.7 TD Eng. TD27T Cabstar E 110.35/45 3.0 TDI Cabstar E 120.35/45 3.0 TDI Eng. BD30TI 2953 cc.	96	13201-G2403 13202-G2403	IN EX	4923 4924	S/NT R/NT	43.5 38	8 8	117 117	M M	45° 45°
2002	4	Patrol 3.0DTI 16V Eng. ZD30DDTI Terrano 3.0 DTI 16V Eng. ZD30TI 2953 cc.	96	13201-2W201 13202-2W200	IN EX	6282 6283	S/CR R/CR	32 30	7 7	113.4 113.4	E E	45° 45°
2000	4 6	Alteon 140.75 4.0 TD Eng. B4.40TI 2283 cc. Alteon 166.75 6.0 td Eng. B6.60 ti 5985 cc	100	13201-9X700 13202-9X700	IN EX	4766 4767	S/CR RCR	44.9 38.9	9.5 9.5	123.1 123.4	I I	30° 45°
1993	4	T135 4.0 D 3989 cc.	100	13201-9X700 13202-9X700	IN EX	4766 4767	S/CR RCR	44.9 38.9	9.5 9.5	123.1 123.4	I I	30° 45°
1993 1990 1993 1990 2004	4	L35.095 4.0 D L50/60/70.09 4.0 D L70/75.14 4.0 TD L80.09 4.0 D Alteon 70.14 - 75.14 Eng. B4.40/A/TI 3989 cc.	100	13201-9X700 13202-9X700	IN EX	4766 4767	S/CR RCR	44.9 38.9	9.5 9.5	123.1 123.4	I I	30° 45°
1990/93	6	L80/110.14 6.0 D 5985 cc										
1993 1990/93 1993 1993 2004	6	M90/110.150 6.0 TD M110/125.14 6.0 D M130/140.1560 6.0 TD M160.200 6.0 TD Alteon 166 6.0 td Eng. B6.60/A/TI 5985 cc.	100	13201-9X700 13202-9X700	IN EX	4766 4767	S/CR RCR	44.9 38.9	9.5 9.5	123.1 123.4	I I	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
NISSAN M. IBERICA (EBRO)												
1985	4	Vanette Eng. LD20	85	13201Y9701	IN	4287	S/CR	39	8	117	D	45°
				13202Y9701	EX	4288	R/CR	32	8	117.5	D	45°
1989	4	Vanette Eng. LD20 II		13201D9702	IN	4356	S/CR	39.5	8	118	M	45°
				13202D9702	EX	4357	R/CR	32.2	8	118	M	45°
1985	4	Patrol Trade L 35 Eng. A428 - A428A 2820 cc.	94	71300017	IN	4285	R/CR	43	8	115	EE	30°
				71300018	EX	4286	R/CR	37	8	114.5	EE	45°
	4	Nissan Trade			IN	4542	BM/AR/CR	42.5	8	114.5	I	30°
					EX	4543	BM/CR	37	8	114.5	I	45°
OPEL												
1988/92	4	Corsa 1.0 S Eng. 10S 993 cc.	72	642675	IN	4657	S	32	7	98.9	E	45°
				642837	EX	4658	R/CR	27	7	99.4	E	45°
1974/79 1982/88	4	Kadett 1.0 Corsa 1.0 Eng. 10S Eng. 993 cc.	72	642188	IN	3233	N	32	7	99.5	M	45°
				642814	EX	3234	R	27	7	101.5	M	45°
1965/73		Kadett L O/S Stem dia mm. 0.075	75	642189	IN	3579	N	32	7.075	99.5	M	45°
				642815	EX	3580	R	27	7.075	101.5	M	45°
1993 1994	4	Corsa 1.2 Combo 1.2 i Eng. 12NZ-C12NZ-X12SZ 1195 cc.	72	641002	IN	4464	S/CR	33	7	104.6	E	45°
				641302	EX	4465	R/CR	29	7	104.5	E	45°
1997 2000	3 3	Corsa 1.0 i 12V Agila 1.0 i 12V 973 cc. Eng. X10XE-Z10XE	72.5	641051	IN	4878	S/CR	28	5	93.8	I	45°
				641045 9158477 641364	EX	4879	R/CR	25	5	93.8	I	45°
1997	4	Corsa 1.2 i 16V Astra 1.2 i 16V										
2001	4	Agila 1.2 i 16V Eng. X12XE-Z12XE 1199 cc.										
2003 2004 2004	4	Meriva 1.4 i 16V Astra 1.4 i 16V Tigra 1.4 i 16V Eng. Z14XEP-Z14XEL 1364 cc.	73.4	641051	IN	4878	S/CR	28	5	93.8	I	45°
				641045 9158477 641364	EX	4879	R/CR	25	5	93.8	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1982/88	4	Kadett 1.2 Eng. 12NV/S/ST 1196 cc.	75	642763 642890	IN EX	3692 3695	S/CR R/CR	33 29	7 7	104.5 104.5	E E	45° 45°
1979/88		Ascona 1.3										
1982/93		Corsa 1.3 Eng. 13S/SB-C13N										
1986/89		Combo 1.3 Eng. 13N/S 1297 cc. O/S Stem dia mm. 0.075		642764 642891	IN EX	3693 3696	S/CR R/CR	33 29	7.075 7.075	104.5 104.5	E E	45° 45°
1991/98	4	Astra 1.4	77.6	641002	IN	4464	S/CR	33	7	104.6	E	45°
1989/93		Corsa 1.4		641302	EX	4465	R/CR	29	7	104.5	E	45°
1990/96		Corsa 1.4 i										
1990/91		Kadett 1.4										
1990/91		Kadett 1.4 i										
1988/92		Vectra 1.4										
1989/91		Combo 1.4										
1990		Combo 1.4 i Eng. C14NZ-14NV 1389 cc.										
1992/98	4	Astra 1.4	77.6	641015	IN	4636	S/CR	38	7	104.6	E	45°
		Corsa 1.4 i		641317	EX	4637	R/CR	31	7	104.6	E	45°
1994		Combo 1.4 i Eng. C14SE 1389 cc.										
1993	4	Corsa 1.4 i 16V	77.6	641034	IN	4726	S/CR	31	6	103.1	I	45°
1996	4	Astra 1.4 i 16V		641340	EX	4727	R/CR	27.5	6	102.2	I	45°
1994		Tigra 1.4 I 16V Eng. X14XE-Z14XE 1389 cc.										
2003	4	Meriva 1.4 i 16V										
2003		Nuova Astra 1.4 i 16V Eng. Z14XE 1364 cc.										
1993	4	Corsa 1.6 i 16V	77.6	641034	IN	4726	S/CR	31	6	103.1	I	45°
1994		Tigra 1.6 i 16V Eng. C16XE-X16XE		641340	EX	4727	R/CR	27.5	6	102.2	I	45°
1995		Vectra 1.6 i 16V										
1999		Zafira 1.6 i 16V Eng. X16XEL-Z16XE										
1998	4	Astra 1.6 i 16V										
2003		Meriva 1.6 i 16V Eng. Z16XE										
2003		Astra 1.6 i 16V Eng. X16XE 1598 cc.										

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G3511 G11150 G11151	IN	45	6	10.05 10.10 10.15	G	C.I.
	GS3511 G3530 G11153 G11154	IN EX	45 35	6 6	10.05 10.05 10.10 10.15	SM G	C.I. C.I.
	G3511 G11150 G11151	IN	45	6	10.05 10.10 10.15	G	C.I.
	GS3511 G3530 G11153 G11154	IN EX	45 35	6 6	10.05 10.05 10.10 10.15	SM G	C.I. C.I.

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051	PI 06-0009	I
640051	PI 06-0009	I
640051	PI 06-0009	I
640003	PI 06-0010	I
640003	PI 06-0010	I

NOTE remarks

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1982/91	4	Corsa 1.2 Eng. 12NV	77.8	642763	IN	3692	S/CR	33	7	104.5	E	45°
1982/92	4	Corsa 1.2 Eng. 12S-12ST 1196 cc. O/S Stem dia mm. 0.075		642890	EX	3695	R/CR	29	7	104.5	E	45°
				642764	IN	3693	S/CR	33	7.075	104.5	E	45°
				642891	EX	3696	R/CR	29	7.075	104.5	E	45°
1973	4	Ascona L Kadett C - L O/S Stem dia mm. 0.075	79	642188	IN	3233	N	32	7	99.5	M	45°
				642814	EX	3234	R	27	7	101.5	M	45°
				642189	IN	3579	N	32	7.075	99.5	M	45°
				642899	EX	3580	R	27	7.075	101.5	M	45°
1979	4	Kadett D - L 1196 cc. O/S Stem dia mm. 0.075	79	642188	IN	3233	N	32	7	99.5	M	45°
				642898	EX	4057	R	29	7	101.1	M	45°
				642189	IN	3579	N	32	7.075	99.5	M	45°
				642815	EX	4058	R	29	7.075	101.1	M	45°
1980/84	4	Kadett 1.2D	79	642675	IN	4657	S	32	7	98.9	E	45°
1982	4	Corsa 1.2		642924	EX	4659	R/CR	29	7	99.4	E	45°
1985	4	Kadett 1.2E Eng. 12N - 12S 1196 cc.										
1991/98	4	Astra 1.6	79	642679	IN	4383	S/CR	38	7	101	E	45°
1988	4	Corsa 1.6		642854	EX	4384	R/CR	31	7	101	E	45°
1985/93	4	Kadett 1.6		642911								
1988/95	4	Vectra 1.6 i Eng. 16SV-C16LZ/NZ/SE										
1995	4	Vectra 1.6 i Eng. X16SZR 1598 cc.										
2004	4	Astra 1.6 i 16V	79	642011	IN	6366	S/CR	31,2	5	117,2	I	45°
2005	4	Zafira 1.6 i 16V Z16XEP Ecotec Twinport 1598 cc.		641379	EX	6367	BM/CR	27.5	5	116.2	I	45°
1981	4	Ascona L Kadett L	80	642635	IN	4236	S/CR	35	8	106.1	E	45°
1985	4	Kadett 1.6 S Eng. 16S 1598 cc. O/S Stem dia mm. 0.075		642789	EX	4239	R/CR	32	8	106.1	E	45°
				642636	IN	4237	S/CR	35	8.075	106.1	E	45°
				642790	EX	4240	R/CR	32	8.075	106.1	E	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
71739771	G13598 G13599	IN/EX	39	5	10.05 10.10	G	C.I.
	G3232	IN/EX	43	8	12.04	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051	PI 06-0009	I
640051	PI 06-0009	I
640051	PI 06-0009	I


NOTE
remarks

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2000	4	Astra 1.8 i 16V Corsa 1.8 i 16V Vectra 1.8 i 16V Zafira 1.8 i 16V ENG. Z18XE - XEL 1796 cc.	80.5	641048 641357	IN EX	6051 6052	S/CR BM/AR/CR	31.2 27.5	5 5	101.3 100.7	I I	45° 45°
1996		Astra 1.8 16V Vectra 1.8 i 16V Zafira 1.8 i 16V Eng. X18XE1										
2003	4	Meriva 1.8i 16V Nuova Astra 1.8i 16V Signum 1.8 i 16V										
2004		Tigra 1.8 i 16V Eng. X18XE1-Z18XE 1796 cc.										
1994	4	Astra 1.8 i 16V Eng. C18XE-C18XEL	81.6	641022 641325	IN EX	4649 4650	S/CR BM/CR	32 29	6 6	102.1 92.2	I I	45° 45°
1994/98		Astra 1.8 i 16V Vectra 1.8 i 16V Zafira 1.8 i 16V Eng. X18XE 1799 cc.										
1996												
1999												
1993	V6	Calibra 2.5 i V6 24V Vectra 2.5 i V6 24V Omega 2.5 i V6 24V Eng. C25XE-X25XE 2498 cc.	81.6	641022 641325	IN EX	4649 4650	S/CR BM/CR	32 29	6 6	102.1 92.2	I I	45° 45°
2000	V6	Omega 2.6 i V6 24V Vectra 2.6 i V6 24V Eng. Y26SE 2597 cc.										
2001	4	Vivaro 2.0 i 16V Eng. F4R.L7 1998 cc.	82,7		IN EX EX	6138 6192 6139	S BM R	33.4 29 29	5.5 5.5 5.5	110 108.9 109	S S S	45° 45° 45°
1982	4	Ascona 1.8 E Kadett GS i 1.8i	84.8	642647 642793	IN EX	4377 4380	S/CR R/CR	41 35	7.98 7.96	106 106	E E	45° 45°
1985		Kadett 1.8 E Eng. 18E 1796 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
9158569	G13598 G11156	IN/EX	39	5	10.05 10.10	G	C.I.
	G3511 G11150	IN	45	6	10.05 10.10	G	C.I.
	GS3511 G3530	IN EX	45 35	6	10.05 10.05	SM G	C.I. C.I.
	G11153 G11154				10.10 10.15		
	G3543* G11152	IN/EX	45	6	10.05 10.10	B	C.I.
	G3511 G11150	IN	45	6	10.05 10.10	G	C.I.
	GS3511	IN	45	6	10.05	SM	C.I.
	G11238 G11239 G11240	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
	G3232	IN/EX	43	8	12.04	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003 640020	PI 06-0010	I
640003	PI 06-0010	I
640003	PI 06-0010	I
640051	PI 06-0009	I


NOTE
remarks

* G3543
BRONZE VERSION

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1982	4	Ascona 1.8 N	84.8	642643	IN	4430	S/CR	38	8	106.1	E	45°	
		Rekord 1.8 N		642805	EX	4433	R/CR	34	8	106.1	E	45°	
		Ascona 1.8 S											
		Rekord 1.8 S											
		1795 cc. O/S Stem dia mm. 0.075		642644	IN	4431	S/CR	38	8.075	106.1	E	45°	
				642806	EX	4434	R/CR	34	8.075	106.1	E	45°	
1986/94	4	Omega 1.8	84.8	642667	IN	4592	S/CR	41.8	7	103.8	E	45°	
1988/95		Vectra 1.8 i		642829	EX	4593	R/CR - BM/AR/CR	36.5	7	103.6	E	45°	
		Eng. E18NVR		641306									
		Eng. 18NV/SEH/SV											
1991		Astra 1.8 i											
		Eng. C18NZ											
		1796 cc.											
1982/87	4	Manta S	86	642667	IN	4592	S/CR	41.8	7	103.8	E	45°	
		Eng. 18SEH		642829	EX	4593	R/CR - BM/AR/CR	36.5	7	103.6	E	45°	
		1796 cc.		641306									
1986/93		Kadett 2.0 GSi											
1987/94		Omega 2.0i											
1988/95		Vectra 2.0											
		Eng. 20SE-C20NE/SE											
		Eng. 20NE/SE/SEH											
1992		Astra 2.0 i											
		Eng. X20NE - C20NE											
1992/98		Frontera 2.0i											
		Eng. C20NE-X20SE											
1990/97	Calibra 2.0i												
	Eng. C20NE												
1986	Ascona 2.0 i												
	Eng. 20SEH-C20NE/NEF												
		1998 cc.											
1991	4	Astra 2.0 i 16V	86	642758	IN	4572	S/CR	33	7	104.9	I	45°	
1990/94		Calibra 2.0 i 16V 4X4		642858	EX	4573	BM/AR/CR	29	7	105	I	45°	
		Eng. C20XE											
1990	Calibra 2.0 i Turbo 16V												
	Eng. C20LET												
1988	Kadett 2.0 i 16V												
1989/95	Vectra 2.0 i 16V 4X4												
	Eng. 20XE-C20ET/XE												
		1998 cc.											

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3232	IN/EX	43	8	12.04	G	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G11312*	IN/EX	45.8	7	11.04	B	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G11312*	IN/EX	45.8	7	11.04	B	L
	G3594 G11155	IN/EX	41	7	13.03 13.08	G	C.I.

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051	PI 06-0009	I
640051	PI 06-0009	I
640051	PI 06-0009	I
640003	PI 06-0010	I

NOTE remarks
* G11312 BRONZE VERSION

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1995	4	Astra 2.0 i 16V	86	641022	IN	4649	S/CR	32	6	102.1	I	45°	
1993		Omega 2.0 i 16V		641325	EX	4650	BM/CR	29	6	92.2	I	45°	
1995		Vectra 2.0 i 16V Eng. X20XE											
2002		Astra 2.0 i Turbo 16V											
2001	Zafira 2.0 i Turbo 16V												
2003	Speedster 2.0 i Turbo 16V Eng. Z20LET												
2004	Astra 2.0 i Turbo 16V Eng. Z20LEL - Z20LER												
2005	Zafira 2.0 i Turbo 16V Eng. Z20LEL - Z20LER												
2005	4	Astra 2.0 i Turbo 16V Eng. Z20LEH 1998 cc.											
1993		V6	Omega 3.0 i V6 24V Eng. X30XE 2961 cc.										
1996	4	Sintra 2.2 i 16V Eng. X22XE	86	641022	IN	4649	S/CR	32	6	102.1	I	45°	
1995		Frontera 2.2 i 16V Eng. X22SE-X22XE-Y22SE 2198 cc.		641325	EX	4650	BM/CR	29	6	92.2	I	45°	
2000	4	Zafira 2.2 16V	86	641056	IN	6308	S/CR	35.2	6	102.2	I	45°	
2003		Vectra 2.2 16V Speedster 2.2 16V Eng. Z22SE 2198 cc.		641063	EX	6309	BM/CR	30	6	101	I	45°	
1975/77	4	Kadett E - GT Manta E - GT 1897 cc.	93	642750	IN	3899	S	42	9	123	E	45°	
1975		Ascona B - L Manta B Rekord 2.0 E - LS - S		642873	EX	3902	R/CR	37	9	123.7	E	45°	
1977	4	Kadett E - GT Manta 2.0 E - S	95										
1977		Ascona 2.0 E - S 1979 cc.											
1978	6	Monza 3.0 E - H Senator 3.0 E - H 2969 cc.											
1990		6	Omega 3.0i 24V Senator 3.0 24V Eng. C30SE	95									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3511 G11150	IN	45	6	10.05 10.10	G	C.I.
	GS3511 G3530 G11153 G11154	IN EX	45 35	6	10.05 10.10 10.15	SM G	C.I. C.I.
	G3543* G11152	IN/EX	45	6	10.05 10.10	B	C.I.
	G3511 G11150	IN	45	6	10.05 10.10	G	C.I.
	GS3511	IN	45	6	10.05	SM	C.I.
	G11379 G11380	IN/EX	36	6	10.04 10.09	G	L
	GS11379	IN/EX	36	6	10.04	SM	L
	G11157	IN/EX	41.1	7	11.23	G	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003	PI 06-0010	I
640003	PI 06-0010	I
640003	PI 06-0010	I

**NOTE
remarks**

* G3543
BRONZE VERSION

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
OPEL DIESEL												
2003	4	Agila 1.3 16V CDTI Corsa 1.3 16V CDTI Meriva 1.3 16V CDTI Astra 1.3 16V CDTI Eng. Z13CDTI 1248 cc.	69.6	641072 641071	IN EX	6304 6305	S/CR BM/CR	21.9 21.9	6 6	109.2 109.2	I I	45° 45°
1987/00 1987/00 1988/91	4	Corsa 1.5 D Corsa 1.5 TD Kadett 1.5 D Eng. 15D-X15DT-4EC1 1488 cc.	76	641007 641300 641322	IN EX EX	4546 4547 4548	S/CR R/CR R/AR/CR	34.6 30.6 30.6	7 7 7	104.1 104 104	E E E	45° 45° 45°
1991/98 1988/91 1990/96	4	Astra 1.7 TD Kadett 1.7 TD Vectra 1.7 TD Eng. 17DT-X17DT-TC4EE1 1686 cc.	79	641007 641300 641322	IN EX EX	4546 4547 4548	S/CR R/CR R/AR/CR	34.6 30.6 30.6	7 7 7	104.1 104 104	E E E	45° 45° 45°
1993/00 1993	4	Corsa 1.7 D Combo 1.7 D Eng. X17D-4EE1 1686 cc.										
2000 2003 2001 2000	4	Astra 1.7 DTI 16V Corsa 1.7 DTI 16V Meriva 1.7 DTI 16V Combo 1.7 DTI 16V Combo Van 1.7 DTI 16V Eng. Y17DT/DTL 1686 cc.	79	641025 97185860 641369 97185352 641387 97358650	IN EX	6136 6137	R/NT R/NT	27.5 26.5	6 6	98.5 98.1	S S	45° 45°
1982 1984/99	4	Ascona 1.6 D Kadett 1.6 D Combo 1.6 D Eng. 16D-16DA 1598 cc.	80	642651 642818 641353	IN EX	3698 3699	S/CR R/CR	36 32	8 8	123 123	E E	45° 45°
1993 1996/98	6	Omega 2.5 TD Eng. M51D25 BMW Frontera 2.5 TD Eng. 25TD 2497 cc.	80	641041 641346	IN EX	4919 4920	BM/CR BM/AR/CR	36 31	6 6	103.7 103.5	I I	45° 45°
2000 2001	4	Movano 1.9 DTI Vivaro 1.9 DTI Eng. F9Q.M7/W7/770/774 1870 cc.	80	4415921 4415922	IN EX	4973 4974	S R	35.3 32.6	7 7	110.9 110.7	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L
642005	G3230 G3231	IN/EX	42	7	11.56 11.61	G	L
642005	G3230 G3231	IN/EX	42	7	11.56 11.61	G	L
	G11251 G11265	IN/EX	42.3	6	11.06 11.11	G	C.I.
	G2947 G2948	IN/EX	50	8	12.05 12.10	G	L
	G13599 G11021 G11022	IN/EX	39,5	6	12.55 12.60 12.65	B	C.I.
	G13600 G11164	IN/EX	38.3	7	12.06 12.11	B	C.I.
	G11165	IN/EX	49	7	12.07	B	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
640051	PI 06-0009	I
	PI 06-0029	I







NOTE remarks

OPEL DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2004	4	Astra 1.9 CDTI 16V Signum 1.9 CDTI 16V Vectra 1.9 CDTI 16V Zafira 1.9 CDTI 16V Eng. Z19DTH 1910 cc.	82	641074 641386	IN EX	6203 6204	S/CR BM/CR	28 26	6 6	114.40 114.40	I I	45° 45°
1991 1989/91 1988 1988/92 1998 1990	4	Astra 1.7 D Kadett 1.7 D Vectra 1.7 D Combo 1.7 D Eng. 17D-17DR Astra 1.7 D Vectra 1.7 D Eng. X17DTL 1700 cc	82.5	642651 642818 641353	IN EX	3698 3699	S/CR R/CR	36 32	8 8	123 123	E E	45° 45°
1999 1998/00 1997 1999 1999 1996 1999 2002 2000 2003 2002 2000 1997 1995	4 4 4	Astra 2.0 DTI 16V Omega 2.0 DTI 16V Vectra 2.0 DTI 16V Zafira 2.0 DTI 16V Eng. Y20DTH-X20DTH Astra 2.0 DTI 16V Vectra 2.0 DTI 16V Zafira 2.0 DTI 16V Eng. X20DTL-Y20DTL Astra 2.2 DTI 16V Omega 2.2 DTI 16V Signum 2.2 DTI 16V Zafira 2.2 DTI 16V Vectra 2.2 DTI 16V Eng. Y22DTR/DTH 2171 cc. Sintra 2.2 TDI 16V Frontera 2.2 TDI 16V Eng. X22DTH 2172 cc.	84	642168 642165 90502316 642211 642208	IN EX	4884 4885	BM/CR BM/AR/CR	29 26	6 6	97.1 97	I I	45° 45°
1982	4	Ascona 2.0D Manta 2.0D Rekord 2.0D Eng. 20D 1998 cc.	86.5	642759 642882	IN EX	4144 4147	S/CR R/CR	42 34.5	8 8	127 127	E E	45° 45°
2000	4	Movano 2.2 TD Eng. G9T.700/710/720 2187 c.	87	13201-00QAD 13202-00QAD	IN EX	6237 6238	S R	30.7 29.5	6 6	123.1 122.9	I I	45° 45°
2004	V6	Signum 3.0 24V CDTI Eng. Y30DT 2958 cc.	87.5	641067 641384	IN EX	6318 6319	R/NT R/AR/CR	27.5 26.5	6 6	98.5 98.10	S S	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
55186786	G11302 G11303	IN/EX	47	6.02	11.03 11.06	G	C.I.
	G2947 G2948	IN/EX	50	8	12.05 12.10	G	L
	G3511 G11150 G11151	IN/EX	45	6	10.05 10.10 10.15	G	C.I.
	GS3511	IN	45	6	10.05	SM	C.I.
	G11356	IN/EX	50	6	11.05	B	C.I.

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
640051	PI 06-0009	I
640003	PI 06-0010	I
	PI 06-0038	I

NOTE remarks

OPEL DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1974	4	Ascona 2.0D	88	642767	IN	3686	S/CR	42	9	127	C	45°
		Manta 2.0D		642860	EX	3486	R/CR	35	9	127	C	45°
1978/82	4	Rekord 2.0D	88	642767	IN	3686	S/CR	42	9	127	C	45°
		Eng. 20D		642894	EX	3689	BM/CR	34.5	9	127	C	45°
2001	4	Movano 2.5 DTI 16V	89	13201-00QAD	IN	6237	S	30.7	6	123.1	I	45°
		Eng. G9U.A7		13202-00QAD	EX	6238	R	29.5	6	122.9	I	45°
2003	4	Vivaro 2.5 DTI 16V	89	13201-00QAD	IN	6237	S	30.7	6	123.1	I	45°
		Eng. G9U.B7		13202-00QAD	EX	6238	R	29.5	6	122.9	I	45°
1982	4	Rekord 2.3D	92	642759	IN	4144	S/CR	42	8	127	E	45°
		Omega 2.3D		642882	EX	4147	R/CR	34.5	8	127	E	45°
1986	4	Eng. 23D - 23YD	92	642760	IN	4145	S/CR	42	8.075	127	E	45°
		2260 cc.		642883	EX	4148	R/CR	34.5	8.075	127	E	45°
		O/S Stem dia mm. 0.075		642761	IN	4146	S/CR	42	8.15	127	E	45°
		O/S Stem dia mm. 0.15		642884	EX	4149	R/CR	34.5	8.15	127	E	45°
1995	4	Frontera 2.5 TD	92		IN	3598	R/CR	40	8	121	E	35°
		Eng. VM41B			EX	3599	R/CR	34	8	121	E	45°
2499 cc.	4		92		IN	3598	R/CR	40	8	121	E	35°
					EX	3599	R/CR	34	8	121	E	45°
1998	4	Movano 2.8 TDI	94.4	7301820	IN	3989	R/NT	41	8	120.7	EE	30°
		Eng. S9W.A7/B7/702		99432837	EX	4887	BM/CR	36	8	122	EE	45°
2798 cc.	4		94.4		IN	3989	R/NT	41	8	120.7	EE	30°
					EX	4887	BM/CR	36	8	122	EE	45°
1997	V6	Frontera 3.2 i V6 24V	97	641049	IN	6345	S/NT	34	6	103.8	S	45°
		Eng. 6VD1		97131961	EX	6346	R/NT	29	6	103.5	S	45°
3165 cc.	V6		97	641360	EX	6346	R/NT	29	6	103.5	S	45°
				97131962								

PERKINS

1958/73	4	Eng. 4.99	76.2	910064	IN	1247	N	36	7.9	117	EE	45°
1961	4	1622 cc.	76.2	31431661	IN	1247	N	36	7.9	117	EE	45°
		Eng. 4.108		910061	EX	1248	S	30	7.9	117	EE	45°
1759 cc.	4	Eng. 4.107	79.37	31431861	EX	1248	S	30	7.9	117	EE	45°
		1753 cc.			IN	4044	N	36	7.9	117	EE	45°
Stessa applicazione	4	Spessore testa mag.1 mm	79.37		EX	4045	S	30	7.9	117	EE	45°
1987/92	4	Eng. Prima 65	84.4	BDU1399	IN	4926	S/NT	37.2	7.42	93.8	EE	45°
		Eng. Prima 80T - Turbo		BDU1400	EX	4927	R/NT	33.6	7.40	93.8	EE	45°
1994 cc.	4		84.4		IN	4926	S/NT	37.2	7.42	93.8	EE	45°
					EX	4927	R/NT	33.6	7.40	93.8	EE	45°
1994 cc.	3	Eng. 3.152S	91.48	31431681	IN	4245	N	39	7.9	114.5	EE	35°
		2500 cc.		31431011	EX	4246	R	33.5	7.9	114.5	EE	35°
	3	2500 cc.	91.48	3142A081								
				31431761								

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.						
								D	d	L				
	3	Eng. 3.152 T 2500 cc.	91.48	31431981 31431031	IN EX	4990 4991	S/CR R/CR	39 33.5	7.9 7.9	114.5 114.4	EE EE	35° 35°		
1953/69	3	Eng.P3 - 3.144 2360 cc.	88.9	31431261 910002 31431951	IN	455	N	39	7.9	114.5	EE	45°		
	4	Eng.P4 - 4.192 3147 cc.			EX	456	S	33.5	7.9	114.5	EE	45°		
	6	Eng.P6 - 6.288 4720 cc.												
1953/70	3	Eng. 3.152 2491 cc			91.49									
1959	4	Eng. 4.203 3330 cc.					IN	4139	N	39	7.9	114.5	EE	45°
	6	Eng. 6.305 5000 cc.					EX	4120	S	33.5	7.9	114.5	EE	45°
		Stessa applicazione spessore testa mag.1 mm												
1970	3	Eng. D3.152 2491 cc.	91.49	31431281 31431591 31431271	IN	3049	N	39	7.9	114.5	EE	45°		
1959	4	Eng. D4.203 3330 cc.			EX	3050	S	33.5	7.9	114.5	EE	45°		
		Stessa applicazione			IN	3747	N	39	7.9	114.5	EE	45°		
		spessore testa mag.1 mm			EX	3748	S	33.5	7.9	114.5	EE	45°		
1976	4	Eng. 4.165 2710 cc.	92	31431491 3142H001 3142A031	IN EX	3717 3718	S R/CR	40.5 35.5	7.9 7.9	114.5 114.5	EE EE	45° 45°		
1960	4	Eng. 4.236 Ebro L80 3867 cc.	98476	31431641 31431109	IN	3047	N/CR	44.5	9.48	123	EE	45°		
1969		Eng. 4.212 3475 cc.			EX	3048	R/CR	36.5	9.47	123.5	EE	45°		
1960	6	Eng. 6.354 5800 cc.												
1960	6	Eng.T6.354 - Turbo Eng. T6.354.1 - Turbo Eng. T6.354.2 - Turbo												
1969	4	Eng. 4.248 4065 cc.			101054									
1974	6	Eng. 6.372 6097 cc.					IN	3885	N/CR	44.5	9.55	123	EE	45°
		O/S Stem dia mm. 0.075					EX	3887	R/CR	36.5	9.54	123.5	EE	45°
		O/S Stem dia mm. 0.32					IN	3886	N/CR	44.5	9.80	123	EE	45°
		Stessa applicazione					EX	3888	R/CR	36.5	9.79	123.5	EE	45°
		spessore testa mag.1 mm					IN	4093	N/CR	44.5	9.48	123	EE	45°
			EX	4121	R/CR	36.5	9.47	123.5	EE	45°				

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1960 1969 1970	6	Eng. T6.354.3 - Turbo Eng. 6.354.4	98476	31431641 3142A051	IN EX	3047 4925	N/CR R/CR	44.5 37.4	9.48 9.50	123 123.3	EE EE	45° 45°
1974		Eng. T6.354.4 - Turbo 5800 cc.										
1974		Eng. 6.372.4 6097 cc.	101054									
1984	6	Eng. T4.236 - Turbo 3660 cc.	98476	3142H002 3142A052	IN EX	4247 4248	N/CR R/CR	44 36.5	9.5 9.5	123 123.5	EE EE	30° 45°
1984	6	Eng. 6.354.4 Eng. 6.354 - Turbo 5800 cc.	98476	31431315 3142A052	IN EX	3659 4248	S/CR R/CR	44.5 36.5	9.48 9.5	123 123.5	EE EE	45° 45°
		Eng. T-6.60 Series 1004	100	3142D041 3142D031	IN EX	6306 6307	R/CR R/CR	43 41	9 9	123 123	EE EE	45° 45°
		Series 1004 - 4.421		3142H041 3142D061	IN EX	6455 6456	R/CR R/CR	45 42	9 9	124.1 124.1	EE EE	45° 45°
1986	37045	Eng. Phaser T4.40 - T6.60 Turbo 5985 cc.	100	3142L071 3142A051	IN EX	4928 4925	R/CR R/CR	45 37.4	9.5 9.5	123 123.3	EE EE	45° 45°
	37045	Serie 1000 Eng. 4.40 - 6.60	100	3142L051 3142A051	IN EX	4988 4925	S/CR R/CR	45 37.4	9.5 9.5	122.9 123.3	EE EE	45° 45°
	37045	Serie 1000 Eng. T4.40 - T6.60	100	3142L072 3142A051	IN EX	4989 4925	R/CR R/CR	45 37.4	9.5 9.5	123.2 123.3	EE EE	30° 45°
1974	6	Eng. 6.372 Turbo 6097 cc.	101.05	31431315 31431311 31431961	IN EX	3659 3660	S/CR R/CR	44.5 37.5	9.48 9.45	123 123.5	EE EE	45° 45°
		O/S Stem dia mm. 0.075			IN EX	3889 3891	S/CR R/CR	44.5 37.5	9.55 9.52	123 123.5	EE EE	45° 45°
		O/S Stem dia mm. 0.32			IN EX	3890 3892	S/CR R/CR	44.5 37.5	9.80 9.77	123 123.5	EE EE	45° 45°
1966 1974 1975	V8	Eng. V8.510 Up to eng. 510U18340 Up to eng. 510UD7083 8360 cc Eng. V8.540 Eng. V8.510 From eng. 510U18341 From eng. 510UD7084 8830 cc.	107.95	31431822 31431385	IN EX	3719 3720	R/CR R/CR	45.5 39	9.5 9.5	139.5 139.5	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
	3	Eng. 3.27 S 900		3142H007	IN	6357	R/CR	41.8	7	116	I	35°
				3142A091	EX	6358	R/CR	38	7	115.5	I	45°
	3	S 700		3142H011	IN	6359	S/CR	44	7	106.5	I	45°
				3142A101	EX	6360	R/CR	37.2	7	106.3	I	45°
2004		Series 700 Forklift		1457503	IN	6457	S/CR	42	7	106.4	I	45°
				1457499	EX	6458	R/CR	34	7	106.3	I	45°
				4803849								

PETTER

1953/76	1	PAZ 1 348 cc.	76.2	254958	IN/D	3619	S	37	7.9	109	EE	45°
				253926	EX	3620	XB	30.5	7.9	109	EE	45°
1952/66	1	AV - AVA 553 cc.	80	250506	IN/EX	648	S	34	7.9	113.5	EE	45°
	2	AV - AVA 1106 cc.		269393								

PEUGEOT

1972	4	104 Eng. XV3	70	0948.31	IN	3384	N	34.5	8	113.5	E	30°
				0949.31	EX	3385	R	27.5	8	113.5	E	45°
1980	4	104 GL - ZA Eng. XV5										
1981		Samba 1.0										
1983		205 GL Eng. XV8 954 cc.										
1986	4	205 GL - XE Junior	70	0948.57	IN	4228	S	34.7	7	112.8	E	30°
1991	4	106 XR Eng. C1A TU9 954 cc.		0949.58	EX	4229	R/CR - BM/AR/CR	27.7	7	112.6	E	45°
2006	3	107 1.0 998 cc.	71	0948.E2	IN	6439	S/NT	27.5	5	88.5	SS	45°
				0949.C8	EX	6440	R/NT	23.6	5	89.1	SS	45°
1972	4	104 GL - GR - SL	72	0948.38	IN	3627	S	37	8	113.5	E	30°
1983		104 GLS		0949.33	EX	3628	R	29	8	113.5	E	45°
1983		205 GL - GR		0949.42								
1981		Samba 1.1 Eng. XW7 1124 cc.										

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1986	4	205 GR - GL Eng. H1A TU1	72	0948.58	IN	4230	S	36.7	7	112.8	E	30°	
1990		309 GE Eng. TU1		0949.59	EX	4231	R/CR - BM/AR/CR	29.2	7	112.6	E	45°	
1991		106 XR Eng. TU1K											
1996		106i 1.1 306i 1.1											
1996		Partner 1.1i Ranch 1.1 i Eng. TU1M-HDZ-HFX 1124 cc.											
1998	4	206 1.1i Eng. TU1JP	72	0948.91	IN	6110	S	36.7	7	112.7	E	45°	
2001		1124 cc. 307 1.4 i 1360 cc.		0949.59	EX	4231	R/CR - BM/AR/CR	29.2	7	112.6	E	45°	
1985	4	205 - 309 GL Eng. E1A	74	0948.51	IN	4289	S/CR	34	8	107	E	45°	
		1118 cc.		0949.53 138851	EX	4290	R/CR	29	8	107.5	E	45°	
1969/75	4	204 C - GL - L Eng. XK 4	75	0948.30	IN	3388	N	37	8	126.5	E	30°	
		1130 cc.		0949.23	EX	3389	R	29.5	8	125.5	E	45°	
				0949.28									
1979	4	104 SR Eng. XZ 5	75	0948.38	IN	3627	S	37	8	113.5	E	30°	
1980		104 S - ZS Eng. XY 6B		0949.33	EX	3628	R	29	8	113.5	E	45°	
		104 ZS Eng. XYR		0949.42									
		205 GT Eng. XY 8											
1983		205 GR - SR Eng. XY 7 1361 cc.											

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.59 0220.60	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.28	G2552	IN/EX	58.5	8.02	14.05	G	C.I.
0220.51	G2976 G2977	IN/EX	47.5	7.99	13.07 13.12	G	C.I.

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE remarks

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1986	4	205 CJ - GR - SR - XR Eng. K1A TU3 205 CT - GT - XS - XT Eng. K2A TU3	75	0948.58 0949.59	IN EX	4230 4231	S R/CR - BM/AR/CR	36.7 29.2	7 7	112.8 112.6	E E	30° 45°
1987		405 GL Eng. K1A TU3										
1991		106 XT Eng. TU32K 1360 cc.										
1994		106 1.4i										
1996		Partner 1.4i										
1998		206 1.4i Eng. TU3JP 1360 cc.										
1996		Ranch 1.4 i Eng. TU32-KFX										
1993	4	306 1.4 i Eng. TU1M - TU3MC 1361 cc.										
1991	4	106 XiS Eng. TU3F 1361 cc.	75	0948.73 0948.65 0949.70	IN EX	4881 4882	S R/CR	39 31	7 7	111.7 111.5	I I	30° 45°
1993		106 Rallye Eng. TU3F-J2K 1294 cc.										
1982	4	Samba Rallye Eng. XZ5 1219 cc. Samba GLS Eng. XY8 1361 cc.	75	0948.38 0949.33 0949.42	IN EX	3627 3628	S R	37 29	8 8	113.5 113.5	E E	30° 45°
2006	4	1007 1.4 8V Eng. TU3JP 1360 cc.	75	0948.91 0949.59	IN EX	6110 4231	S R/CR - BM/AR/CR	36.7 29.2	7 7	112.7 112.6	E E	45° 45°
2002	4	307 1.4 i 16V	75	0948.C8	IN	6441	S	28.2	5.5	100.7	I	45°
2005		207 1.4 i 16V		0949.C4	EX	6442	BM/CR	24.35	5.5	101.1	I	45°
2006		1007 1.4 i 16V Eng. ET3J4-KFU 1360 cc.										
1985	4	205 309 GL - GR Eng. G1A - G1B 1294 cc.	76.7	0948.52 0949.53 138851	IN EX	4291 4290	S/CR R/CR	36 29	8 8	107 107.5	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.84	G3454 G3455 G3456	IN/EX	48.5	7.01	13.06 13.11 13.16	B	C.I.
0220.51	G2976 G2977	IN/EX	47.5	7.99	13.07 13.12	G	C.I.
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.42 0942.51 0942.53	PI 06-0019	I



NOTE remarks

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1975	4	Simca 1100 Special Simca 1100 Rallye Simca 1307 - 1308 Simca 1309 1294 cc. Horizon GL	76.7	138849 138851	IN EX	3540 3543	S/CR R/CR	36 29	8 8	107 107.5	E E	45° 45°
1977		Horizon GLS/SX										
1980		Simca 1501 Solara GLS - LS 1442 cc.										
1975	4	204 304 GL - LE Eng. XK 5 1127 cc.	78	0948.39 0949.44 0949.43	IN EX EX	3931 3932 4214	S R/CR R/CR	39.5 32.5 33.5	8 8 8	116 113 114.2	E E E	30° 45° 45°
1977		304 S - SLS - SL 304 GL - GLE 305 GL - GR Eng. XL5 1290 cc. 305 S - SR Eng. XR5 1472 cc.										
1993	4	106 XSI 306 XT Eng. TU5JP Eng. TU5J2 1578 cc.	78.5	0948.73 0948.65 0949.70	IN EX	4881 4882	S R/CR	39 31	7 7	112 112	I I	30° 45°
1996	4	106 i 16V Eng. TU5J4-NFX 1587 cc.	78.5	0948.83 0949.89	IN EX	4975 4976	S/CR R/CR	28.8 24.5	6 6	104.4 104.4	S S	45° 45°
1998	4	106 1.6 i Eng. TU5JP/2-NFZ-NFY From spec. 07875	78.5	0948.93 0949.70	IN EX	6089 4882	S R/CR	39.4 31	7 7	111.7 112	I I	45° 45°
1998		206 1.6										
1998		306 1.6 XT Eng. TU5JP-NFZ-NFT 1587 cc.										
2000	4	206 1.6 16V 307 1.6 16V	78.5	0948.A9 0949.A8	IN EX	6147 6148	S R/CR	31.2 24.5	6 6	103.8 104.4	S S	45° 45°
2005		1007 1.6 16V 207 1.6 16V										
2001		Ranch 1.6 16V Eng. NFU-TU5JP4 1587 cc.										
1964/75	4	404 J7 Eng. KF 2	80	0948.24 0948.34 0948.21	IN EX	3196 3197	N XB/CR	41.5 35.5	8 8	119 112	E E	30° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.40	G2554 G2555	IN/EX	51	8.02	14.05 14.10	G	C.I.
0220.84	G3454 G3455 G3456	IN/EX	48.5	7.01	13.06 13.11 13.16	B	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
0220.25	G2560 G2561 G2972	IN/EX	55	8.02	14.05 14.10 14.15	G	C.I.

**PUNTERIE
LIFTERS**







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0024	I
0942.50	PI 06-0037	I

NOTE
remarks

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2000 2001 2003	4	607 1.8i 16V 406 1.8i 16V 407 1.8 i 16V 1749 cc. Eng. EW7J4-6FZ 1749 cc.	82.7	0948.A4 0949.A4	IN EX	6157 6158	S BM/CR	29.8 27.2	6 6	106 104	S S	45° 45°
1984 1987	4	205 GTI 305 GT 309 GR - GT - SR 405 Eng. XU5 1580 cc.	83	0948.47 0949.52 0949.48	IN EX EX	3985 3986 4311	S/CR R/CR - BM/CR R/CR	40 33 32	8 8 8	109.5 108.7 108.7	E E E	45° 45° 45°
1986 1992 1987 1987 1992 1986 1987 1986 1987	4	205 GTI - CTI 205 309 GTI 405 GE - GL - GR - SR Eng. XU5 1580 cc. 405 GE - GL - GR - SR Eng. XU7JP 1762 cc. 205 GTI 1.9 305 GT 309 GTI 405 GE - GL - GR - SR Eng. XU9 1905 cc.	83	0948.56 0949.57	IN EX	4292 4293	XB R/CR - BM/AR/CR	41.5 34.5	8 8	108.5 108.5	E E	45° 45°
1985 1984 1985 1987		205 305 305 GTX 309 GTI 405 GLI - GR - SR 405 GE - DL - GR - SR Eng. XU9 1905 cc.	83	0948.54 0949.54	IN EX	4226 4227	S R/CR	39.5 33	8 8	105.2 105.2	E E	45° 45°
1987	4	405 GRI - SRI Eng. XU9-J2 1905 cc.	83	0948.62 0948.71 0949.63 0949.78	IN EX	4532 4533	S R/AR/CR	41.6 34.5	8 8	105.2 104.8	E E	45° 45°
1989/90 1987/91	4	309 1.9 GTI 16V 405 1.9 MI 16V Eng. XU9-J4-D6C 1905 cc.	83	0948.61 0949.62	IN EX	4456 4457	S/CR R/CR - BM/AR/CR	34.5 29.6	7 7	106.5 105.8	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
02130.12	G11315	IN	40	6	12.07	B	C.I.
	G11316				12.12		
02130.13	G11317	EX	40	6	12.07	G	C.I.
	G11318				12.12		
0220.64	G3239	IN	38.7	8.01	13.06	B	C.I.
	G3240				13.11		
	G3241	EX	45	8.01	13.07	B	C.I.
	G3242				13.12		
0220.64	G3239	IN	38.7	8.01	13.06	B	C.I.
	G3240				13.11		
	G3241	EX	45	8.01	13.07	B	C.I.
	G3242				13.12		
0220.64	G3239	IN	38.7	8.01	13.06	B	C.I.
	G3240				13.11		
	G3241	EX	45	8.01	13.07	B	C.I.
	G3242				13.12		
0220.64	G3239	IN	38.7	8.01	13.06	B	C.I.
	G3240				13.11		
	G3241	EX	45	8.01	13.07	B	C.I.
	G3242				13.12		
0220.64	G3239	IN	38.7	8.01	13.06	B	C.I.
	G3240				13.11		
	G3241	EX	45	8.01	13.07	B	C.I.
	G3242				13.12		
0220.73	G3536	IN	40	7.01	12.06	B	C.I.
	G3537				12.11		
0221.19	G3538	EX	40	7.01	12.06	B	C.I.
	G3539				12.11		

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0024	I
9629316580	PI 06-0007	I
9633365880		


 NOTE
remarks

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1994 1995 1997 1997	4	306 1.8 i 806 1.8 i 406 1.8 I Ranch 1.8 i Eng. XU7JP/JP-LFX 1762 cc.	83	0948.56 0949.57	IN EX	4292 4293	XB R/CR - BM/AR/CR	41.5 34.5	8 8	108.5 108.5	E E	45° 45°
03/97-06/97 1995-06/97	4	306 1.8 16V 406 1.8 i 16V Eng. LFY-XU7JP4 Unti spec. 07359 1761 cc.	83	0948.75 0949.81	IN EX	6329* 6330*	S/CR R/CR	34.5 29.6	7 7	106.4 105.7	I I	45° 45°
1997	4	406 1.8 Partner 1.8 Eng. XU7JB 1762 cc.	83	0948.71 0949.78	IN EX	4360 4361	S R/AR/CR	41.6 34.5	8 8	105.2 104.8	E E	45° 45°
1995	4	406 1.8 Eng. XU7JP4 CEE 95 1761 cc.	83	0948.82 0949.92	IN EX	6060 6111	S R/CR	34 29.6	6 6	106.4 105.8	E E	45° 45°
1962/69 1971 1980 1979 1968 1971	4	404 A Eng. KF 1 404 GTi Eng. KF 2 J7 Eng. XC J9 Eng. XC 505 Eng. XC5 1618 cc. 504 TI Eng. KF 504 L - GL 505 L Eng. XM7 J5 - J7 Eng. XM7 1796 cc.	84	0948.33 0948.55 0948.29 0949.27 0949.55 0949.69	IN EX EX	3390 3391 4699	N R BM/CR	42.5 35.5 35.5	8 8 8	119 112 112	E E E	30° 45° 45°
1999 2000 1999 2000 1999	4	206 2.0 i 16V 307 2.0 i 16V 406 2.0 i 16V 806 2.0 i 16V Expert 2.0 i 16V 807 2.0 i 16V Eng. EW10J4-RFN-RFR 1998 cc.	85	0948.99 0949.99	IN EX	6113 6114	S R/CR	33.3 29	6 6	106.2 103.6	E E	45° 45

GUIDAVALVOLE VALVE GUIDES							
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.64	G3239	IN	38.7	8.01	13.06	B	C.I.
	G3241	EX	45	8.01	13.07	B	C.I.
0221.19	G3538	IN/EX	40	7.01	12.06	B	C.I.
	G3539				12.11		
0220.64	G3239	IN	38.7	8.01	13.06	B	C.I.
	G3241	EX	45	8.01	13.07	B	C.I.
0221.25	G11158	IN	41	5.98	12.07	B	C.I.
	G11223				12.12		
0221.26	G11159	EX	41	5.99	12.07	G	C.I.
	G11225				12.12		
0220.25	G2560	IN/EX	55	8.02	14.05	G	C.I.
	G2561				14.10		
	G2972				14.15		
	G11352	IN/EX	41	6	12.07	B	C.I.
	G11353				12.12		

PUNTERIE LIFTERS		
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580 9633365880	PI 06-0007	I
9629316580 9633365880	PI 06-0007	I
0942.48 0942.46	PI 06-0024	I

NOTE remarks
*6329-6330 Retainer stem end 2.2 mm

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2001	4	406 2.0 HPI 16V Eng. RLZ-EW10D 1998 cc.	85	0948.A7 0949.A7	IN EX	6159 6160	S BM/CR	32.4 29.2	6 6	105 102.6	S S	45° 45°
1993	4	306 XT 405 GRI - GTX - SRI 605 SL - SR - SRI 806 SR - ST Eng. XU10J2 1998 cc.	86	0948.66 0949.66 0949.72	IN EX	4458 4459	S R/CR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1994 1992/95 1995 1992/95	4	306 2.0 i 16V 405 2.0 MI 16V 406 2.0 i 16V Eng. XU10J4/Z-RFT-RFY 405 2.0 i Turbo 16V Eng. XU10J4TE-RGZ 1998 cc.	86	0948.61 0949.62	IN EX	4456 4457	S/CR R/CR - BM/AR/CR	34.5 29.6	7 7	106.5 105.8	I I	45° 45°
03/97-06/97 1995-06/97 1994-06/97	4	306 2.0 i 16V 406 2.0 i 16V 605 2.0 i 16V Eng. RFV-XU10J4R Until spec. 07359 1998 cc.	86	0948.75 0949.81	IN EX	6329* 6330*	S/CR R/CR	34.5 29.6	7 7	106.4 105.7	I I	45° 45°
07/97	4	306 1.8 i 16V 406 1.8 i 16V Eng. LFY-XU7JP4 From spec.07360 1761 cc.	86	0948.92 0949.92	IN EX	6112 6111	S R/CR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
07/97 1998/00	4	306 2.0 i 16V 406 2.0 i 16V 605 2.0 i 16V 806 2.0 i 16V Eng. XU10J4R-RFV From spec.07360 1998 cc.	86	0948.92 0949.92	IN EX	6112 6111	S R/CR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1994 1989 1994	4	306 2.0 i Eng. XU10J2C-RFX 605 2.0 i Eng. XU10J2C/Z-RFZ 806 2.0 i Eng. XU10J2C-RFU 1997 cc.	86	0948.66 0949.66 0949.72	IN EX	4608 4609	S R/CR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1994 1991 1994	4	406 2.0 i Turbo 605 2.0 i Turbo 806 2.0 i Turbo Eng. XU10J2T/TE-RGX 1998 cc.	86	0948.66 0949.66 0949.72	IN EX	4608 4609	S R/CR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
2004	4	Boxer 2.0 i Eng. XU10J2U-RFW 1998 cc.	86	0948.56 0949.57	IN EX	4292 4293	XB R/CR - BM/AR/CR	41.5 34.5	8 8	108.5 108.5	E E	45° 45°	
1997	4	306 2.0 i 16V Eng. XU10J4RS-RFS 1998 cc.	86	0948.82 0949.87	IN EX	6060 6061	S BM/AR/CR	34 30.7	6 6	106.4 105.3	S S	45° 45°	
2000	4	406 2.2 i 16V	86	0948.A1	IN	6347	S	35	6	106	S	45°	
2004	4	407 2.2 i 16V		0949.A2	EX	6348	R/CR	31.1	6	102.8	S	45°	
2000		607 2.2 i 16V											
2002		807 2.2 i 16V Eng. 3FZ EW12J4 2230 cc.											
1996	4	Expert 1.6 i Eng. 220A2.000 1581 cc.	86.4	7609772 5973129	IN EX	4252 3594	S/CR R/CR	37.5 33.5	8 8	108.5 109	EE EE	45° 45°	
1972	4	504 TI - 504 GL	88	0948.33	IN	3390	N	42.5	8	119	E	30°	
1979		505 GR - SR		0948.55	EX	3391	R	35.5	8	112	E	45°	
		505 - 604		0948.29									
		Eng. XN1 - XN2 - XN6 1971 cc.		0949.27 0949.55 0949.69									
1974	V6	504 V6 - 604SL	88	0948.36	IN	3559	S	44	8	112	E	30°	
1977		504 V6 Ti - 604 Ti		0949.30	EX	3704	R/CR	37	8	111.3	E	45°	
1984		604 GTi Eng. ZM - ZMJ 2664 cc. Eng. ZNJ 2849 cc.	91	0949.32									

PEUGEOT DIESEL

2001	4	307 1.4 HDI	73.7	0948.C2	IN	6149	S/CR	32.8	5.5	97.5	I	45°		
2005		1007 1.4 HDI		0949.B1	EX	6150	BM/CR	30.2	5.5	97.5	I	45°		
2005		107 1.4 HDI												
2001		206 1.4 HDI												
2005		207 1.4 HDI Eng. DV4 TD-8HX-8HZ 1398 cc.												
1992/96	4	106 1.4 D Eng. K9A-K9Y-TUD3/Y 1361 cc.	75	0948.69 0949.71	IN EX	4412 4413	S R/CR	35.5 30.6	7 7	108.4 108.2	E E	45° 45°		
2004	4	206 1.6 HDI 16V	75	0948.C7	IN	6397	S/CR	25.6	5.5	96.4	I	45°		
2004		307 1.6 HDI 16V		0949.C3	EX	6398	BM/CR	23.4	5.5	96.6	I	45°		
2004		407 1.6 HDI 16V												
2005		207 1.6 HDI 16V												
2005		Ranch 1.6 HDI 16V Eng. DV6 TED4 1560 cc.												

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.64	G3239	IN	38.7	8.01	13.06	B	C.I.
	G3241	EX	45	8.01	13.07	B	C.I.
	G11352	IN/EX	41	6	12.07	B	C.I.
	G11353				12.12		
	G11352	IN/EX	41	6	12.07	B	C.I.
	G11353				12.12		
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
0220.38	G2980	IN/EX	51	8	13.05	G	C.I.
0220.38	G2980	IN/EX	51	8	13.05	G	C.I.
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G3332	IN	40.2	7	13.07	B	C.I.
	G3336	EX	43	7	13.07	B	C.I.
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580 9633365880	PI 06-0007	I
	PI 06-0024	I
4152447 60800018	PI 03-102	M
9638075480	PI 06-0019	I
96027105	PI 03-105	M
	PI 06-0019	I






 NOTE
remarks

PEUGEOT

PEUGEOT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1968/73	4	204 D Eng. XLD 1255 cc.	75	0948.28 0949.26 0949.35	IN EX	3386 3387	N R/CR	35 29.5	8 8	121 121	E E	30° 45°
1973/76		204 D - 304LD/GLD Eng. XL4D 1357 cc.	78									
1994 1994	4	106 1.5 XAD 106 1.5 D Eng. TUD5-VJY-VJZ 1527 cc.	77	0948.74 0949.80	IN EX	4821 4822	S R/CR	37 31.5	7 7	108.4 108.1	E E	45° 45°
1979	4	304 LD - 305 D - GRD Eng. XID - XIDL 1548 cc.	80	0948.40 0949.37	IN EX	3667 3668	S R/CR	36.5 31	8 8	110.5 110	E E	30° 45°
1983/86	4	205 GLD - GRD - SRD 305 GLD - SRD 309 GLD - SRD Eng. XUD7 - 161A 1769 cc.	80	0948.46 0949.60 0949.73	IN EX EX	3987 3988 4810	S R/CR R/CR	38.5 33 33	8 8 8	112.4 112 112	E E E	30° 45° 45°
1986	4	205 GLD - GRD - SRD 305 GLD - SRD 309 GLD - SRD Eng. XUD7 - 161A 1769 cc.	80	0948.59 0949.60 0949.73	IN EX EX	4243 3988 4810	S/CR R/CR R/CR	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1988/92	4	405 GRD - GTD - SRD Eng. XUD7 TE-Turbo 1769 cc. 205 GRD - SRD - GTD 309 GRD - SRD Eng. XUD7 T-Turbo 1769 cc.	80	0948.63 0949.74	IN EX	4883 3988	R/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
1998 1998	4	206 1.9D Ranch 1.9 D Eng. DW8-WJY-WJZ 1868 cc.	82.2	0948.94 0949.73	IN EX	4243 4810	S/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
1980	4	Solara D Horizon EXD - LD Eng. XUD9 1905 cc.	83	0948.46 0949.60 0949.73	IN EX EX	3987 3988 4810	S R/CR R/CR	38.5 33 33	8 8 8	112.4 112 112	E E E	30° 45° 45°
1983/86	4	305 GLD - SRD 309 GLD - GRD - SRD 309 XAD - XLD - XRD Eng. XUD9 - 162 1905 cc.	83	0948.46 0949.60	IN EX	3987 3988	S R/CR	38.5 33	8 8	112.4 112	E E	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1986	4	205 D 309 GLD - GRD - SRD 309 XAD - XLD - XRD Eng. XUD9 - 162 1905 cc.	83	0948.59 0949.60 0949.73	IN EX EX	4243 3988 4810	S/CR R/CR R/CR	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1988 1991		405 GLD - GRD 309 SRD - GRD J5 Eng. XUD9A										
1993/95		306 SRD - GRD Eng. XUD7 - XUD9 1905 cc.										
1993 1992 1995 1994	4	306 GTD 405 GTD - SRDT 406 SL - ST 1.9 TD 806 GTD - SRDT - STDT Eng. XUD9TE - Turbo 1905 cc.	83	0948.63 0949.74	IN EX	4883 3988	R/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
1995	4	406 1.9 TD-ST Turbo D Eng. XUD9TF - OHC 1905 cc.	83	0948.63 0949.74	IN EX	4883 3988	R/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
1995 1989	4	406 ST 2.1 TD 12V 605 SRDT - SVDT Eng. XUD11A TE - TD 2088 cc.	85	0948.68 0949.68	IN EX	4623 4624	S/CR BM/AR/CR	33.9 33.9	8 8	122.3 121.9	I I	45° 45°
1989/95		605 2.1 D 12V Eng. XUD11A-P9A 2138 cc.	86									
1996 1996 1996/99	4	406 2.1 TD 12V 605 2.1 TD 12V 806 2.1 TD 12V Eng. XUD11BTE TD-P8C-FHZ 2088 cc.	85	0948.68 0949.68	IN EX	4623 4624	S/CR BM/AR/CR	33.9 33.9	8 8	122.3 121.9	I I	45° 45°
1999 1999 1999 2000 2000 2000 2000	4	206 2.0 HDI 306 2.0 HDI 406 2.0 HDI 307 2.0 HDI 806 2.0 HDI Expert 2.0 HDI Ranch 2.0 HDI Eng. DW10TD-RHY-RHZ Eng. DW10ATED-RHY-RHZ Eng. DW10BTED-RHX 1998 cc.	85	0948.95 0949.96	IN EX	6092 6093	S/CR BM/CR	35.6 33.8	6 6	107.1 107.1	I I	45° 45°

GUIDAVALVOLE VALVE GUIDES

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
	G11272* G11273	IN/EX	48	8.02	14.05 14.10	G	C.I.
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
2200.81	G3513 G11026	IN/EX	54.5	8.01	13.06 13.12	B	C.I.
2200.81	G3513 G11026	IN/EX	54.5	8.01	13.06 13.12	B	C.I.
0220.A2	G11319 G11320	IN/EX	41.5	6	10.06 10.11	G	L
0220.A1	GS11319	IN/EX	41.5	6	10.06	SM	L
	G11396 G11397	IN/EX	42.5	6	12.06 12.11	G	C.I.

PUNTERIE LIFTERS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.25	PI 06-0017	I
9638075480	PI 06-0019	I

NOTE remarks
* G11272 CAST IRON VERSION

PEUGEOT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
2000 2001	4	806 2.0 HDI 16V Ranch 2.0 HDI 16V Eng. RHS-RHW	85	0948.C0 0949.A9	IN EX	6161 6162	S/CR BM/CR	29.9 25	6 6	106.2 106.1	I I	45° 45°	
2001		307 2.0 HDI Eng. RHS											
2002 2001		807 2.0 HDI 16V 406 2.0 HDI 16V Eng. DW10ATED4-RHS Eng. RHM-RHS-RHW 1997 cc.											
2003 2004 2005	4	307 2.0 HDI 16V 407 2.0 HDI 16V 607 2.0 HDI 16V Eng. DW10BTED4-RHR 1997 cc.		85	0948.A3 0949.A3	IN EX	6163 6164	S/CR BM/CR	29.8 25	6 6	105 105	I I	45° 45°
2001 2001 2002	4	406 2.2 HDI 16 607 2.2 HDI 16V 807 2.2 HDI 16V Eng. DW12TED4-4HX 2179 cc.	85	0948.A3 0949.A3	IN EX	6163 6164	S/CR BM/CR	29.8 25	6 6	105 105	I I	45° 45°	
1968	4	J7 - J9 Eng. XDP4.90 Indenor 2112 cc.	88	0948.27 0949.25	IN EX	3442 3443	N R/CR	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°	
1971		404D - 504D Eng. XD4.88 Indenor 1948 cc.			Spessore testa maggiorato	IN EX	3749 3750	N R/CR	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°
1970		504D Eng. XD4.90 Indenor 2112 cc.		90	1 mm								
1994 1994	4	605 2.5 TD 12V Eng. DK5ATE-THY Boxer 2.5 TD12V Eng. T9A-DJ5-THX-DJ5T 2446 cc		92	0948.72 0949.79	IN EX	4944 4945	S/CR R/CR	36.9 36.9	7 7	127.9 127.5	I I	45° 45°
2001	4	Boxer 2.5 TDI 8V Eng. DJ5TED-THX 2446 cc.	92	0948.84 0949.90	IN EX	6151 6152	S/CR R/CR	41 37.8	7 7	115.7 115.5	I I	45° 45°	
1975 1983	4	504 GL 505 GRD - SRD Eng. XD2 J7 - J9 Eng. XD2P94 2304 cc.	94	0948.37 0949.25	IN EX	3658 3443	S R/CR	40.5 33.5	8.5 8.5	116.5 116.5	E E	30° 45°	
					Spessore testa maggiorato	IN EX	4092 3750	S R/CR	40.5 33.5	8.5 8.5	116.5 116.5	E E	30° 45°
					1 mm								

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
0220.A1	GS11319	IN/EX	41.5	6	10.06	SM	L
	G11396				12.06		
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
0220.A2	GS11319	IN/EX	41.5	6	10.06	SM	L
	G11319				10.11		
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
0220.16	GS11319	IN/EX	41.5	6	10.06	SM	L
	G2558				14.06		
0220.16	G2559	IN/EX	55.4	8.50	14.11	G	L
	G2986*				14.06		
0220.16	G2987	IN/EX	55.4	8.50	14.11	B	L
					14.11		
0220.93	G3566	IN/EX	54	7.01	13.05	B	C.I.
	G11036				13.10		
0220.93	G3566	IN/EX	54	7.01	13.05	B	C.I.
	G11036				13.10		
0220.16	G2558	IN/EX	55.4	8.50	14.06	G	L
	G2559				14.11		
0220.16	G2986*	IN/EX	55.4	8.50	14.06	B	L
	G2987				14.11		

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9638075480	PI 06-0019	I
	PI 06-0008	I
	PI 06-0008	I
	PI 06-0017	I
	PI 06-0016	I


**NOTE
remarks**





* G2986
BRONZE
VERSION

* G2986
BRONZE
VERSION

PEUGEOT DIESEL

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1980	4	505 SRD 604 D - GRD - SRD Eng. XD2S Turbo 2304 cc.	94	0948.27	IN	3442	N	40.5	8.5	116.5	E	45°
				0949.25	EX	3443	R/CR	33.5	8.5	116.5	E	45°
1981	4	505 SRD - 604 SRD Eng. Turbo Diesel 2304 cc.	94	0948.43	IN	3914	N/CR	40.5	8.5	116.5	E	30°
				0948.41	IN	3912	N/CR	40.5	8.5	116.5	E	45°
				0949.39	EX	3913	R/CR	33.5	8.5	116.5	E	45°
1984	4	505 SRD - 604 GTD Eng. XD3T - Turbo 2498 cc.	94	0948.49	IN	4018	S	42.5	8.5	116	E	45°
				0949.50	EX	4019	BM/CR	35.5	8.5	116	E	45°
				Spessore testa maggiorato 1 mm	IN	4254	S	42.5	8.5	116	E	45°
					EX	4255	BM/CR	35.5	8.5	116	E	45°
1980	4	Tagora TD Eng. XD2S - Turbo 2304 cc.	94	0948.27	IN	3442	N	40.5	8.5	116.5	E	45°
				0949.25	EX	3443	R/CR	33.5	8.5	116.5	E	45°
2000	4	Boxer 2.8 HDI Eng. 8140.43S 2800 cc.	94.4	0948.A2	IN	3989	BM/NT	41	8	120.7	EE	30°
				0949.A0	EX	4887	BM/CR	36	8	122	EE	45°

RENAULT

1962	4	R4 L Dauphine - Gordini Eng. 670 - 780	54.5	5555752	IN	1499	N	27	7	73	M	45°
			58	7700555263 7701458195	EX	1498	R	25	7	73.5	K	45°
1972	4	R5 - R6 850 cc.		6075981	IN	3392	N	28	7	73	M	45°
				7700555263 7701458195	EX	1498	R	25	7	73.5	K	45°
1972	4	R4 L - TL Eng. BA1 782 cc.	55.8	7700648970	IN	1497	N	28	7	73	M	45°
				7700565824 7701458152	IN	3602	S	28	7	73	E	45°
1972	4	R4 L - TL R5 L - R6 L Eng. B1B 845 cc.	58	7700555263	EX	1498	R	25	7	73.5	K	45°
				7701458195								
1972	4	R4 F - FS - FSA - TL Eng. 813 852 cc. R5 GTL - GTS - TL Eng. C1C 956 cc.	61.4	7700509771	IN	3393	N	33.5	7	89.5	M	45°
				7701458180 7700505115	IN	3589	S	33.5	7	89.5	E	45°
			65	7701458190	EX	3394	R	30	7	89	K	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1984	4	R5 TC Supercinq Eng. C1C A.700 956 cc.	65	7701458180 7700638247 7701460690	IN EX	3589 3649	S R	33.5 29	7 7	89.5 89	E K	45° 45°
1975		R6 GTL - TL R7 GTL	70									
1976		R4 GTL - GTP - TL - F4 R5 GTL - GPL										
1981		R9 C - GTC - TCE										
1983		R11 GTC - TCE Eng. C1E 1108 cc.										
1998	4	Clio 1.1 Eng. C1E.700 1149 cc.	69	7701458180 7701461802	IN EX	3589 3966	S R	33.5 29	7 7	89.5 89	E K	45° 45°
1997	4	Clio 1.2 i	69	7701469266	IN	4933	S	32.8	6	106.8	E	30°
1997		Kangoo 1.2 i		7701469269	EX	4934	R	29.9	6	106.8	E	45°
1997		Twingo 1.1 i										
1998		Kangoo Express 1.2 i Eng. 7F.700/701/702/706 720/726/730 Eng. D7F.A7/D7/G7/j7 1149 cc.										
2004	4	Clio 1.2 i 16V	69	7701472986	IN	6177	S	26	5.5	110.7	I	45°
2001		Kangoo 1.2 i 16V		7701473004	EX	6178	BM	22	5.5	112.5	I	45°
2001		Twingo 1.2 i 16V										
2001		Modus 1.2 i 16V										
2001		Kangoo Express 1.2 i 16V Eng. D4F-D4F.D7 Eng. D4F.712/714/416 1149 cc.										
1984	4	R5 GL - GTL	70	7701458180	IN	3589	S	33.5	7	89.5	E	45°
1985		Express		7701460690	EX	3966	R	29	7	89	K	45°
1989		R5 TL - SL - Five Eng. C1E - G750 1108 cc.		7701461802								
1990	4	Clio 1.1 Eng. C1E 1108 cc.	70	7701458180 7701461802	IN EX	3589 3966	S R	33.5 29	7 7	89.5 89	E K	45° 45°
1987	4	R5 GTL - TL - TR R9 GTC - GTL - C - TC R11 GTC - TC	71.5	7701462137 7701460690 7701461802	IN EX	3965 3966	S R	34 29	7 7	91.5 89	E K	45° 45°
1988		R19 GTR - TR - TRE Eng. C1G - B530 1237 cc.										

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1969 1974	4	R12 TS R10 - R12 - R15 1289 cc.	73	7701458180 7700505115 7701458190 7701460690 7701461802	IN EX EX	3589 3394 3966	S R R	33.5 30 29	7 7 7	89.5 89 89	E K K	45° 45° 45°
1976/79 1979	4	R14 GTL - L - TL - TS Eng. R1210 - R1211 1218 cc. R14 GTL - TL - GTS -TS Eng. X5J - X6J 1361 cc.	75	7701459824 7701459825	IN EX	3627 3628	S R	37 29	8 8	113.5 113.5	E E	30° 45°
1989	4	R5 TL R19 Chamade TR Eng. C3J-E760-C710 1389 cc.	75.8	7701462385 7701461214	IN EX	4223 4566	S/CR BM/CR	34 28.8	7 7	90.5 89.3	K K	45° 45°
1987/96 1990 1989 1990 1990 1996 1997 1998 1998	4	R19 1.2 Eng. E7F Clio 1.2 i Eng. E7F.700/704/706 /708/720/726/730/750 Eng. E7J.601/710/711/716 /718/719 1171 cc. R19 1.4 i Eng. E6J-E7J Clio 1.4 i Eng. E6J.712/713/718 Eng. E5F.710/716 Eng. E7J Express 1.4 Eng. C3J.B700 Megane 1.4 i Eng. E7J.764 Kangoo 1.4 i Clio 1.4 i Kangoo Express 1.4 i Eng. E7J Eng. K7J.A7/B7 Eng. K7J.700/701 1390 cc.	75.8	7700273371 7701465088 7701465090 7700865832	IN EX	4574 4575	S R/CR	37.5 33.6	7 7	107.8 107.8	E E	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1981	4	R5 GTL - TS - TX Eng. C2J R9 GTL Eng. C1J-715 R9 GTC - GTE - GTL - R9 TL - TSE	76	7701462137 7700638247 7701460690	IN EX	3965 3649	S R	34 29	7 7	91.5 89	E K	45° 45°
1983		R11 GTL - TL Eng. C2J-717-718 1397 cc.										
1982	4	R5 Alpine Turbo Eng. C6J-840	76	7701459772 7701462320	IN EX	4218 4219	S R/CR	38.7 34.5	8 8	104.3 108.3	E E	45° 45°
1984	4	R5 GTL 1.4	76	7701462137	IN	3965	S	34	7	91.5	E	45°
1985		R5 GTS - TS - TSE		7701460690	EX	3966	R	29	7	89	K	45°
1989		R5 GTS Eng. C1J - C2J		7701461802								
1987		R9 TL - GTL R11 GTL - TL - TSE										
1984		R18 TL										
1988		R19 GTR - TR R19 Chamade TR - GTR Eng. C1J - C2J 1397 cc.										
1982		Fuego - Trafic										
1984		Express GTL Eng. 847 1397 cc.										
1986	4	R5 GTL - GTS - SL - TL R9 - R9 GTL - TSE	76	7701462385 7701461214	IN EX	4223 4566	S/CR BM/CR	34 28.8	7 7	90.5 89.3	K K	45° 45°
1988		R11 - R11 TL R19 GTR - TR Express GTL Eng. C2J - C3J 1397 cc.										
1985	4	R5 Supercinq - Turbo R9 - R11 Turbo Eng. C1J-782-760 1397 cc.	76	7701462385 7701463181	IN EX	4223 3649	S/CR R	34 29	7 7	90.5 89	K K	45° 45°
1978	4	R18 GTL - TL	76	7701460699	IN	3648	S	34	7	91.5	E	30°
1980/82		Fuego Eng. 847 1397 cc.		7700638247 7701460690	EX	3649	R	29	7	89	K	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1976/79 1980 1976 1980	4	R17 TS R18 GTL - GTS - TS R20 GTL - L - TL Fuego Eng. R1318 - R1328 1647 cc.	79	7701458792 7701458793	IN EX	3556 3557	S R	39 34.5	8 8	111 111	E E	45° 45°
1978 1980 1983	4	R18 GTL - GTS - TS Eng. A6M Master R - Trafic PA/TA Eng. A1M Fuego GTL Eng. A2M 1647 cc.	79	7700629763 7701460624 7700639199 7701460625	IN EX	3590 3591	S R	36 31.5	8 8	105 103.5	E I	45° 45°
1996	4	Megane Scenic 1.6 i Eng. K7M.702/703/720 1598 cc.	79.5	7701465088 7701465090 7701468149	IN EX	4574 4575	S R/CR	37.5 33.6	7 7	107.8 107.8	E E	30° 45°
1999 2005 1996 2004 2004	4	Clio 1.4 i 16V Eng. K4J.A7/B7/C7 Clio 1.4 i 16C Eng. KL4J.GA Megane 1.4 i 16V Eng. K4J.C7/D7 Eng. K4J.714/730/750 Megane 1.4 i 16V Modus 1.4 i 16V Eng. K4J.G7 1390 cc.	79.5	7701471378 7701471379 7701473354	IN EX	6029 6030	S R	32.7 28	5.5 5.5	109.3 107.7	E E	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7701452333	G2997	IN	40	8	13.15	G	L
7109425	G2998	EX	49	8	13.20	G	L
	G3001				13.15		
7701462486	G3002	IN	40	8.01	13.06	B	C.I.
	G3247				13.10		
	G3248				13.07		
	G3251				13.10		
7701452333	G2997	IN	40	8	13.15	G	L
	G2998	EX	49	8	13.20	G	L
G3001	13.15						
7701462486	G3002	IN	40	8.01	13.06	B	C.I.
	G3247				13.10		
	G3248				13.07		
	G3251				13.10		
	G3466	IN	42	7.01	12.05	B	C.I.
	G3467	EX	49	7.01	12.10	B	C.I.
G3470	12.05						
7700109151	G3471	IN/EX	40.5	5.5	11.07	B	L
	G11238				11.12		
	G11239				11.17		
G11240							

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	PI 06-0013	I

NOTE remarks

RENAULT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.						
								D	d	L				
1998	4	Clio 1.6 i 16V	79.5	7701471378	IN	6029	S	32.7	5.5	109.3	E	45°		
2001		Kangoo 1.6 i 16V		7701471379	EX	6030	R	28	5.5	107.7	E	45°		
1996		Megane 1.6 i 16V		7701473354	79.5	7701471378	IN	6029	S	32.7	5.5	109.3	E	45°
2001		Kangoo Express 1.6 i 16V												
		Eng. K4M.A7/B7/G7												
		Eng. K4M.700												
2005		Clio 1.6 i 16V												
		Eng. K4M.8												
1997		Laguna 1.6 i 16V												
		Eng. K4M.D7												
2005	Laguna 1.6 i 16V													
	Eng. K4M.57													
2002	Megane 1.6 i 16V													
	Eng. K4M.T7/W7													
2004	Modus 1.6 i 16V													
	Eng. K4M.7													
	1598 cc.													
1987	4	R5 Supercinq GT	81	7701462137	IN	3965	S	34	7	91.5	E	45°		
		Eng. C2J - 780		7701460690	EX	3966	R	29	7	89	K	45°		
		1721 cc.		7701461802										
1987	4	R5 GTE - Turbo	81	7701462385	IN	4223	S/CR	34	7	90.5	K	45°		
		Eng. C1J-784		7701463181	EX	3649	R	29	7	89	K	45°		
		1721 cc.												
1985	4	R5 1.7	81	7701463081	IN	4221	S	38.1	8	111.5	E	30°		
1984		R9 1.7		7700713788	EX	4222	R/CR - BMAR	32.5	8	111.3	E	45°		
1984		R11 1.7												
1988		R19 1.7 i												
1986		R21 1.7 i												
1987		Trafic 1.7 i												
1990		Clio RT/BAC												
1990		R19 Chamade GTX-TXE												
1989		R21 Nevada TL - TS												
		Eng. F1/N/F2N/F3N/F2R												
	1721 cc.													
1988	4	R19 16V	82	7701465172	IN	4600	S	30.7	7	107.5	E	45°		
		Eng. F7-B		7701465173	EX	4757	BM/AR/CR	28.6	7	108.3	E	45°		
1990		R19 16V		7700747324	EX	4601	BM/AR/CR	28.6	7	109.1	E	45°		
1990		Clio 16V												
		Eng. F7P												
		1764 cc.												
1996	4	Megane 2.0 i 16V	82.7	7700865550	IN	6290	S	33	7	107.2	E	45°		
		Spider 2.0 i 16V		7701468861	EX	6291	BM	28.4	7	108.8	E	45°		
		Eng. F7R 710/712												
	1998 cc.													

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7700109151	G11238 G11239 G11240	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
7109390	G2571 G2572	IN/EX	41.5	7	11.13 11.18	G	L
7109390	G2571 G2572	IN/EX	41.5	7	11.13 11.18	G	L
7701452333	G2997 G2998	IN	40	8	13.15 13.20	G	L
7109425	G3001 G3002	EX	49	8	13.15 13.20	G	L
7700743529	G3590 G3591	IN/EX	39.2	7.01	12.07 12.11	B	C.I.
7700743529	G3590 G3591	IN/EX	39.2	7.01	12.07 12.11	B	C.I.

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	PI 06-0013	I

NOTE remarks

RENAULT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1998	4	Laguna 1.8 i 16V	82.7	7701471279	IN	6138	S	33.4	5.5	110	S	45°	
		Megane 1.8 i 16V		7701474287									
		Eng. F4P/770/774/720/722		7701473101	EX	6139	R	29	5.5	109	S	45°	
		Eng. F4P/760/771/772/775		7701471280	EX	6192	BM	29	5.5	108.9	S	45°	
1998	4	Espace 2.0 i 16V	82.7	7701474287	IN	6138	S	33.4	5.5	110	S	45°	
		Eng. F4R.A7/B7/T7/U7		7701473101	EX	6139	R	29	5.5	109	S	45°	
1995/01		Laguna 2.0 i 16V											
		Eng. F4R.F7											
2001		Laguna 2.0 i 16V											
		Eng. F4R.67/77/J7/K7											
2002		Megane 2.0 i 16V											
		Eng. F4R											
2004		Trafic 2.0 i 16V											
		Eng. F4R.L7											
		1998 cc.											
2000	4	Avantime 2.0 i Turbo 16V	82.7	7701474287	IN	6138	S	33.4	5.5	110	S	45°	
		Eng. F4R.N7		7701473101	EX	6139	R	29	5.5	109	S	45°	
2000		Clio 2.0 i Turbo 16V											
		Eng. F4R.57/D5											
2002		Espace 2.0 i Turbo 16V											
		Eng. F4R.V7/W7											
2003		Laguna 2.0 i Turbo 16V											
2003		Megane 2.0 i Turbo 16V											
		Eng. F4.R											
2002		Vel Satis 20 i turbo 16V											
		Eng. F4R.Q7/R7											
		1998 cc.											
1993	4	R19 1.8 i	82.7	7701466606	IN	4723	S	40.2	8	107	E	45°	
1994/96		Laguna 1.8 i		7701466607	EX	4724	R/CR	32.6	8	107	E	45°	
		Eng. F3P											
		1783/1793 cc.											
1993/96	4	Laguna 2.0 i											
		Eng. F3R.722/723											
1995/96		Espace 2.0 i											
1995/96		Megane 2.0 i											
		Eng. F3R											
		1998 cc.											
1997	4	Laguna 1.8 i	82.7	7701468960	IN	4874	S	40.1	8	115.6	E	45°	
		Eng. F3P		7700112413									
		1783/1793 cc.		7701468961	EX	4875	R/CR	32.5	8	115.4	E	45°	
1997		Laguna 2.0 i		7700112412									
		Eng. F3R.722/723											
		Megane 2.0 i											
		Espace 2.0 i											
		Eng. F3R.											

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7700109151	G11238 G11239 G11240	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
7700109151	G11238 G11239 G11240	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
7700109151	G11238 G11239 G11240	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.





**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	PI 06-0013	I
7700107555	PI 06-0013	I
7700107555	PI 06-0013	I
7700100939 7700100282 7700860677	PI 03-104	M
7700100939 7700100282 7700860677	PI 03-104	M


**NOTE
remarks**
RENAULT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2001	4	Megane 2.0 16V Laguna 2.0 16V Eng. F5R740 1998 cc.	82.7	7701471780 7701471781	IN EX	6063 6064	S BM/AR	31.5 27.3	5.5 5.5	113.5 114	S S	45° 45°
1998	4	Laguna 2.0 RXT 16V Eng. N7QD7 Safrane 2.0 RXE 16V Eng. N7QH7 1948 cc.	83	7438610007 7438610008	IN EX	4937 4938	S/CR R/CR	31 27	7 7	104 103.2	I I	45° 45°
1981 1977 1986 1986 1983/91	4	R18 GTX - TX R20 LS - TS R21 GTS - RX R21 GTX - TXE - TI R25 GTS - TS Eng. R1343 - 1272 - R1277 - 1279 Eng. J6R - J7R 1995 cc. 1983 1980 1983 Espace 2000 GTS - TSE Fuego GTL - GTX - TX Eng. J6R Master R/Q - Trafic Eng. J5R 1991 cc.	88	7701460147 7701460148	IN EX	3559 3560	S R	44 38.5	8 8	112 111.5	E E	30° 45°
1986 1983/91 1983	4	R21 GTX - TXE 4X4 R25 GTX Espace GTS - GTX - XE Eng. J7L-L754 2165 cc.	88	7701460147 7701460143	IN EX	3559 4638	S R/CR	44 38.6	8 8	112 111.4	E E	30° 45°
1987	4	R21 Turbo Eng. J7R 1995 cc.	88	7701460147 7700733512	IN EX	3559 4638	S R/CR	44 38.6	8 8	112 111.4	E E	30° 45°
1963	4	SG 2E Super Goélette Eng. 671 2141 cc.	88	5555172 5555705	IN EX	3000 3001	N R	39.5 35.5	9 9	116.5 116	D A	45° 45°
1991 1992	4	Quadra Espace GTX - TXE 2000 Safrane RN Eng. J7R - J7T 1995 - 2165 cc.	88	4401465325 7701460148	IN EX	4639 3560	S/CR R	44 38.5	8 8	112 111.5	E E	30° 45°
1991/92	4	Safrane RN/RT 12V R21 Txi 12V Eng. J7R-734/J7R-735 Eng. J7R-754 Eng. J7T-760/J7T-761 1995 cc. 2165 cc.	88	7701465495 7701465496 7701465497	IN IN EX	6078 6079 6080	S S R/CR	36.4 30.4 40.4	7 7 7	111.8 111.9 112	E E E	45° 45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7700114862	G11344 G11345	IN/EX	45	5.5	11.06 11.11	B	L
7701459378	G3005 G3006	IN/EX	51	8	13.05 13.10	G	C.I.
7701459378	G3005 G3006	IN/EX	51	8	13.05 13.10	G	C.I.
7701459378	G3005 G3006	IN/EX	51	8	13.05 13.10	G	C.I.
7701459378	G3005 G3006	IN/EX	51	8	13.05 13.10	G	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	PI 06-0013	
7431275353	PI 06-0007	I







NOTE remarks

RENAULT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1992	4	Safrane 2.2 i Eng. J7T 2165 cc.	88	7701460147 7701460148	IN EX	3559 3560	S R	44 38.5	8 8	112 111.5	E E	30° 45°
1986	V6 V6	R25 2.8 Espace 2.8 Eng. Z7W 2849 cc. Safrane 3.0 Laguna 3.0 Espace 3.0 Eng. Z7X 2975 cc.	91									

RENAULT DIESEL

2001 2004 2003	4	Clio II 1.5 Dci Modus 1.5 DCI Megane 1.5 DCI Eng. K9K.B7/E7/N7/T7	76	7701473184 7701473183	IN EX	6185 6186	S BM	33.5 29	6 6	100.95 100.75	I I	45° 45°
2001		Kangoo 1.5 DCI Kangoo Express 1.5 DCI Eng. K9K.A7/B7/V7 1461 cc.										
1985 1982 1983	4	R5 GTD - SD - TD R9 GTD - TDE - TD R11 GTD - TD Eng. F8M 1595 cc.	78	7701462813 7701462814	IN EX	4164 4165	S R - BM	36.3 31.6	8 8	111.7 111.3	E E	30° 45°
1990 1990 1989	4	Clio RL - RN R19 Chamade TD - GTD R21 Nevada Eng. F8Q - C730 - A706 D710 1870 cc.	80	7701465107 7701462814	IN EX	4698 4165	BM R - BM	36.2 31.6	8 8	111.7 111.3	E E	30° 45°
1993 1998	4 4	Clio RL - RN R19 Chamade Eng. F8Q - A706 - A744 740 - 742 - 764 Clio - Megane - Kangoo Eng. F8Q.620 - 630 1870 cc.	80	7701468035 7701462814	IN EX	4716 4165	S - BM R - BM	35 31.6	8 8	111.6 111.5	E E	45° 45°
1992/95	4	R19 1.9 TD Eng. F8Q.740/744 Up to eng. N. 930900 1870 cc.	80	7701466716 7701466717	IN EX	4717 4718	S R	36.2 31.6	8 8	111.7 111.7	E E	30° 45°
1992/95	4	R19 1.9 TD Eng. F8Q.740/744 From eng. N. 930901 1870 cc.	80	7701468035 7701466717	IN EX	4716 4718	S - BM R	35 31.6	8 8	111.6 111.7	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7701459378	G3005 G3006	IN/EX	51	8	13.05 13.10	G	C.I.
	G11029 G11030 G3241 G3242	IN EX	48.4 45	8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
	G11308 G11309	IN/EX	40.5	6	11.07 11.12	B	C.I.
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700716248	PI 03-103	M
7700716248	PI 03-103	M
7700716248	PI 03-103	M
7700716248	PI 03-103	M
7700716248	PI 03-103	M
7700716248	PI 03-103	M







NOTE remarks

RENAULT
RENAULT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2000	4	Clio 1.9 DTI Kangoo 1.9 DTI Kangoo Express 1.9 DTI Eng. F9Q.780/782	80	7700110387 7701471702	IN	4973	S	35.3	7	110.9	E	45°
1999/02		Espace 1.9 DTI Eng. F9Q.720/722										
2002		Espace 1.9 DCI Eng. F9Q.820/826										
2001		Kangoo 1.9 DCI Kangoo Express 1.9 DCI Eng. F9Q.790										
1997		Laguna 1.9 DTI Eng. F9Q.710/716/717/718										
2001		Laguna 1.9 DCI Eng. F9Q.750/751/752/ Eng. F9Q.754/756										
1997		Megane 1.9 DTI Eng. F9Q.730/731/734/736										
2000		Megane 1.9 DTI Eng. F9Q.740/744										
2000		Megane 1.9 DCI Eng. F9Q.732/733										
2002		Megane 1.9 DCI Eng. F9Q.800 1870 cc.										
2000	4	Master 1.9 DTI Eng. F9Q.770	80	7700110387 7701471702	IN	4973	S	35.3	7	110.9	E	45°
2001		Master 1.9 DCI Eng. F9Q.772/774		7700110389 7701471703	EX	4974	R	32.6	7	110.7	E	45°
2001		Trafic 1.9 DCI Eng. F9Q.760/762 1870 cc.										
1996/98	4	Clio 1.9 D Eng. F8Q.672/676/696	80	7701469369 7701462814	IN	4979	BM	35	8	110	E	45°
1989/98		Clio 1.9 D Clio Van 1.9 D Eng. F8Q.714/730/732 From eng. N. 930901 Up to eng. N. 990415 1870 cc.			EX	4165	R - BM	31.6	8	111.5	E	45°
1996	4	Megane 1.9 TD Eng. F8Q.786 Up to eng. N. 971204 1870 cc.	80	7701469369 7701469193 7701469371	IN	4979	BM	35	8	110	E	45°
					EX	4720	BM	31.5	8	110.5	E	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1989/98	4	Clio 1.9 D	80	7701471704	IN	6062	BM	35	8	110.1	E	45°	
1989/98		Express 1.9 D		7701468190	IN	4719	S - BM	35	8	110.5	E	45°	
		Eng. F8Q.714/730/732		7701471705	EX	4942	BM	31.5	8	110	E	45°	
		From eng. N. 990416											
1998		Clio 1.9 D											
	Kangoo 1.9 D												
1996	Megane 1.9 D												
	Eng. F8Q.622/624												
	Eng. F8Q.630/632/662												
	From eng. N. 971204												
1994/98	Express 1.9 D												
	Eng. F8Q.640/646/648/ 680/682/684												
	From eng. N. 970901												
	1870 cc.												
1996/98	4	Clio 1.9 D	80	7701471704	IN	6062	BM	35	8	110.1	E	45°	
		Eng. F8Q.678		7701468190	IN	4719	S - BM	35	8	110.5	E	45°	
		Up to eng. N. 950928		7701469193	EX	4720	BM	31.5	8	110.5	E	45°	
1996		Megane 1.9 D		7701469371									
		Up to eng. N. 950828											
1996	Megane 1.9 TD												
	From eng. N. 971205												
	1870 cc.												
1980	4	R18 GTD - TD	86	7701461338	IN	3639	S	40	8	111.5	E	45°	
1979		R20 GTD - TD		7701461339	EX	3640	BM	33.5	8	111.5	E	45°	
1986		R21 GTD - TD - TDX											
1984/91		R25 GTD - TD - TDX											
1981		Master - Trafic											
1989		R21 Nevada											
		Eng. J8S - 852 - A704 2068 cc.											
1991	4	Safrane 2.1 TD	86	7701461338	IN	3639	S	40	8	111.5	E	45°	
		Eng. J8S.760 2068 cc.		7701461339	EX	3640	BM	33.5	8	111.5	E	45°	
1996	4	Espace 2.2 TD 12V	87	7701468169	IN	4712	S	32	7	117.5	I	45°	
		Eng. G8T.714/716/718		7701468170	EX	4713	BM/CR	31	7	117.5	I	45°	
1994/98		Laguna 2.2 TD 12V											
		Eng. G8T.706/752/790/ Eng. G8T.792/794											
1996		Laguna 2.2 TD 12V											
	Eng. G8T.760												
1997	Safrane 2.2 TD 12V												
	Eng. G8T.740 2188 cc.												

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7700107699	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	G3244	IN/EX	39	8.01	13.06	B	C.I.
7700107699	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	G3244	IN/EX	39	8.01	13.06	B	C.I.
7701462486	G3251 G3252	IN/EX	49	8.01	13.06 13.10	B	C.I.
7701462486	G3251 G3252	IN/EX	49	8.01	13.06 13.10	B	C.I.
	G11354 G11355	IN EX	42 49	7 7	12.04 12.04	B B	C.I. C.I.

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700858606	PI 06-0023	I

NOTE remarks

RENAULT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2002	4	Avantime 2.2 DCI 16V Eng. G9T.L7	87	7701472669 7701472670	IN EX	6237 6238	S BM	30.7 29.5	6 6	123.1 122.9	I I	45° 45°
2000		Espace 2.2 DCI 16V Eng. G9.TA7/J7/K7										
2001		Laguna 2.2 DCI 16V Eng. G9T.7										
2004		Laguna 2.2 DCI 16V Eng. G9T.7/A6										
2002		Vel Satis 2.2 DCI 16C Eng. G9T.7/A6D7/E7										
2000		Master 2.2 DCI 16V Eng. G9T.C7/F7 2187 cc.										
2002	6	Espace 3.0 DCI 24V	87	7701472669	IN	6237	S	30.7	6	123.1	I	45°
2002		Vel Satis 3.0 DCI 24V Eng. P9X.A7 2958 cc.		7701472670	EX	6238	BM	29.5	6	122.9	I	45°
2003	4	Trafic 2.5 DTI 16V Eng. G9U.B7	89	7701472669 7701472670	IN EX	6237 6238	S BM	30.7 29.5	6 6	123.1 122.9	I I	45° 45°
2001		Master 2.5 DTI 16V Eng. G9U.A7 2463 cc.										
1981	4	Master R/Q Eng. 8140 2445 cc. Up to Eng. n. 162067 2445 cc.	93	7701462677 7701462679	IN EX	4504 3597	BM/NT BM/NT	40.9 32.9	8 8	121.9 122	EE EE	30° 45°
1981	4	Master R/Q Eng. 8140 From Eng. n. 162068 Up to Eng. n. 152000 Trafic Eng. SU8 Up to Eng. n. 452000 2445 cc.	93	7701462678 7701462679	IN EX	3642 3597	BM/NT BM/NT	41 32.9	8 8	120.9 122	EE EE	30° 45°
1981	4	Master R/Q Eng. 8140 Trafic Eng. SU8 From Eng. n. 452001 2445 cc.	93	7701463603 7701462679	IN EX	3989 3597	R/NT - BM/NT BM/NT	41 32.9	8 8	120.7 122	EE EE	30° 45°
1992/93	4	Safrane 2.5 TD Eng. 8144.97 Up to Eng. n. 1619921 2499 cc.	93	7701463603 7701203675	IN EX	3989 3991	R/NT - BM/NT R/CR - BM/CR	41 34.5	8 8	120.7 122	EE EE	30° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11356	IN/EX	50	6	11.05	B	C.I.
	G11356	IN/EX	50	6	11.05	B	C.I.
	G11356	IN/EX	50	6	11.05	B	C.I.
	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0038	I
	PI 06-0038	I
	PI 03-101	M
	PI 03-101	M
	PI 03-101	M
	PI 03-101	M

NOTE remarks

RENAULT DIESEL

VALVOLE ENGINE VALVES





ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1993	4	Safrane 2.5 TD Eng. 8144.97-S9U From Eng. n. 1619922 2499 cc.	93	7701467250 7701467249	IN EX	4714 4715	BM/CR BM/CR	40.8 36.7	8 8	120.7 122	EE EE	30° 45°
1996 1999	4	Master 2.8 TD Eng. S9W.700 Mascott 2.8 TD Intercooler Eng. 8140.43B-C-S-N 2798 cc.	94.4	7301820 99432837	IN EX	3989 4887	BM/NT BM/CR	41 36	8 8	120.7 122	EE EE	30° 45°

R.V.I.

1986	4	B 90 Eng. 8140.21 2445 cc.	93	7301820 4826033	IN EX	3989 3990	R/NT - BM/NT R/CR - BM/CR	41 34.5	8 8	120.7 122	EE EE	30° 45°
1968 1972	4	Super Galion Suprer Goëlette Eng. 712 3317 cc. SG 5/5C Eng. 720 3593 cc.	98 102	5000044579 5000044429 5000044581	IN EX	4064 4065	R/CR R/CR	46 39	10 10	140.2 140.3	E E	45° 45°
1981	6	Eng. 798 Turbo Eng. MIDR 602.12 Turbo 5496 cc.	102	5000676255 5000676254	IN EX	4373 4374	BM/CR BM/CR	45.8 38.9	10 10	140.2 140.2	E E	30° 45°
1989	6	Eng. MIDR 602.26 Turbo 6180 cc.	102	5000667762 50006676258	IN EX	4710 4711	BM/CR BM/CR	46.6 40.6	10 10	140.2 140.2	E E	30° 45°
1999	4 6	Midlum 135 Eng. MIDR 04.02.26.A4 4118 cc. Midlum 150 Eng. MIDR 04.02.26.B4 4118 cc. Premium 250 Eng. MIDR 06.02.26.Y41 6177 cc. Premium 210 Eng. MIDR 06.02.26.W4 6177 cc.	102	5000676035 5010450589 5000667939 5010450590	IN EX	6292 6293	BM/CR BM/CR	46.6 40.6	10 10	140.1 140.2	E E	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1957/77	4	Eng. M 420 6328 cc.	120	322894 151631									
1962/76	5	Eng. M 520 7917 cc.		5000143582 322827	IN EX	3789 3790	S BM/CR	54.5 50.5	12 12	189.5 189.5	E E	45° 45°	
	6	Eng.M. 620 9500 cc. Spessore testa maggiorato 1 mm.		151633 5000139451 322895 151632 5000143583 322828 151634 5000139452	IN EX	4133 4041	S BM/CR	54.5 50.5	12 12	189.5 189.5	E E	45° 45°	
1975	6	Eng. MID 620.30 8820 cc. Spessore testa maggiorato 1 mm.	120	153694	IN	3793	S/CR	54	9	163	E	45°	
				153692	EX	3794	BM/CR	48	9	163	E	45°	
				5000663469									
				771090	IN	4042	S/CR	54	9	163	E	45°	
				771092	EX	4043	BM/CR	48	9	163	E	45°	
				5000663470									
1977	6	Eng. MIDS 620.30 Turbo 8820 cc.	120	771523	IN	3979	BM/CR	54	9	163	E	30°	
				5000663467									
1983	6	Eng. MIDR 620.45 Turbo 9839 cc. Spessore testa maggiorato 1 mm.	120	5000681141									
				5000670121	EX	3794	BM/CR	48	9	163	E	45°	
				5000670206									
				5000658409	IN	4235	BM/CR	54	9	163	E	30°	
				5000663530									
				771092	EX	4043	BM/CR	48	9	163	E	45°	
				5000663470									
				5000663528									
1996	6	Premium 300 Eng. MIDR 06.20.45.D41	120	5000681141	IN	3979	BM/CR	54	9	163	E	30°	
				5000670206	EX	3794	BM/CR	48	9	163	E	45°	
1996	6	Premium 260 Eng. MIDR 06.20.45.C4 9839 cc. Premium 385 Eng. MIDR 06.23.56.A41 11121 cc. Premium 400 Eng. MIDR 06.23.56.B41 11121 cc.	123										
1974	6	Eng. D 2356 HM 6DK 10350 cc.	123	5000046569	IN	4582	BM/CR	56.9	12	148.9	E	45°	
				5000046570	EX	4583	BM/CR	51.9	12	148.5	E	45°	
1970/72	8	Eng. 125.30 V825 - V835 - Spessore testa maggiorato 1 mm.	125	158601	IN	3980	BM/CR	45	9	153	E	45°	
				323571									
				323644	EX	3981	R/CR	39	9	153	E	45°	
				5000659734									
				158602	IN	4140	BM/CR	45	9	153	E	45°	
				5000659735	EX	4141	R/CR	39	9	153	E	45°	

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
157983	G3325 G3326	IN/EX	78	9.04	17.03 17.08	G	C.I.
157983	G3325 G3326	IN/EX	78	9.04	17.03 17.08	G	C.I.
157983	G3325 G3326	IN/EX	78	9.04	17.03 17.08	G	C.I.
157983	G3325 G3326	IN/EX	78	9.04	17.03 17.08	G	C.I.

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I





NOTE

NOTE remarks

R.V.I.

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1964/73	6	Eng. MID 634.40 12024 cc.	135	323107 5000659016 5000146780	IN	3978	BM/CR	60	12	189	E	45°
				323109 5000659407 5000659741	EX	3788	BM/CR	54	12	189	E	45°
		Spessore testa maggiorato 1 mm.		5000146781 323108	IN	4134	BM/CR	60	12	189	E	45°
				5000146783 323110	EX	4132	BM/CR	54	12	189	E	45°
1980/87 1983/87 1980/87	6	Eng. MDR 635.40 Turbo Eng. MIDR 635.40 Turbo Eng. MIDS 635.40 Turbo 12024 cc.	135	5000659584 5000659739 5000659284	IN	3787	BM/CR	60	12	189	E	30°
				5000659741 5000659407	EX	3788	BM/CR	54	12	189	E	45°
		Spessore testa maggiorato 1 mm.		5000678129 5000659406	IN	4131	BM/CR	60	12	189	E	30°
				5000146783 323110	EX	4132	BM/CR	54	12	189	E	45°
1978	V8	Eng. MIVR 835.30 Turbo 14886 cc.	135	5000659737 5000659626	IN	3982	R/CR	48	9	153	E	30°
				323644 5000659734 5000659732	EX	3981	R/CR	39	9	153	E	45°
1991	6	Eng. MIDR 634.40 H/2 12024	135	5000678873 5000678652	IN EX	4706 4707	BM/I/CR BM/I/CR	60 52	12 12	204.4 205.1	E E	30° 45°
1992 1998	6	AE 380 - AE 385 Ti Eng. MIDR 06.35.40 H Eng. MIDR 06.35.40 N3 Eng. MIDR 06.35.40 G Eng. MIDR 06.35.40 L1 12023 cc.	135	5000678873 5000678652	IN EX	4706 4707	BM/I/CR BM/I/CR	60 52	12 12	204.4 205.1	E E	30° 45°
1992/93		420 Ti Eng. MIDR 06.35.J1/J3 12023 cc.										
	8	Magnum Mack Engine AE 500 - 520	136.5	50000824990 50000824991	IN EX	6199 6200	BM/AR/CR BM/CR	45 42	9.4 9.4	173.9 173	M M	20° 30°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
5010248411	G11242	IN/EX	105	12.03	20.04	G	L
5010248411	G11242	IN/EX	105	12.03	20.04	G	L

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

R.V.I.

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
ROVER												
1967	4	Mini			IN EX	3774 3780	S R	28 27	7.1 7.1	87 87	EE EE	45° 45°
1963/70	4	Mini Cooper S 1275 cc.	70.612	AEG544 AHU1049	IN EX	4072 3661	R R/CR	35.6 29.3	7.1 7.1	90.8 90.5	EE EE	45° 45°
1968/74 1973/80 1980/83 1969/80	4	1300 SC Allegro 1300 Austin Metro 1300 Mini 1275 GT 1275 cc.	70.612	12G941 AHU1049	IN EX	3357 3661	S/NT R/CR	33.3 29.3	7.1 7.1	90.5 90.5	EE EE	45° 45°
1983	4	Austin Metro 1300 Eng. 1275 cc.	70.612	TAM1058 TAM1061	IN EX	4419 4421	S R/CR	33.2 29.3	7.1 7.1	90.7 90.7	I I	45° 45°
1983	4	Austin Metro 1300 Maestro 1300 M.G. Metro 1300 Montego 1300 1275 cc.	70.612	TAM1059 TAM1061	IN EX	4420 4421	S R/CR	35.7 29.3	7.1 7.1	90.7 90.7	I I	45° 45°
1984	4	213 S - SE Eng. Honda EV 3 Valve 1342 cc.	74	DBP9319 DPB9320	IN EX	4522 4523	S/NT R/NT	27 32	6.6 6.6	112.8 113.8	E E	45° 45°
1990/98 1998/00	4	111 1.1 i 211 1.1 i Eng. 11K 1113 cc.	75	WAM4002 WAM4003	IN EX	4840 4841	S/NT R/AR/NT	33.5 31.2	7 7	90.5 91	EE EE	45° 45°
1995 1993	4	114 1.4 i 214 1.4 i Eng. 14K2 1396 cc.	75	WAM4002 WAM4003	IN EX	4840 4841	S/NT R/AR/NT	33.5 31.2	7 7	90.5 91	EE EE	45° 45°
1999 1999 1989 1990 1990	4	75 1.4 i 16V 45 1.4 i 16V 214 1.4 i 16V Eng. 14K4F/M-14K16 114 1.4 i 16V 414 1.4 i 16V Eng. 14K4C/D/F 1396 cc.	75	LGH10029 LGH100820	IN EX	4816 4817	S/NT R/AR/NT	27.7 24	6 6	89.6 90	S S	45° 45°
1990	4	216 GSi - GTI 16V 416 GSi - GTI 16V Eng. D16A7 1590 cc.	75	FDU1485 FDU1487	IN EX	4844 4845	S/NT R/NT	29 25	5.5 5.5	115 118.8	E E	45° 45°
1988	4	Maestro 1600 Montego 1600 Eng. S 1598 cc.	76.2	CAM8311 CAM8775	IN EX	4842 4843	S/CR R/CR	38.2 31	8 8	102 102	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
12G1111	G2772 G2773 G2774	IN/EX	43	7.13	11.95 12.00 12.05	G	L
12G1111	G2772 G2773 G2774	IN/EX	43	7.13	11.95 12.00 12.05	G	L
12G1111	G2772 G2773 G2774	IN/EX	43	7.13	11.95 12.00 12.05	G	L
DBP 9272	G3261	IN	50	6.57	12.09	G	L-X
DBP 9273	G3262	EX	56	6.57	12.09	G	L-X
WAM 4227	G11170 G11171	IN/EX	32	7.01	12.05 12.10	G	L
WAM 4227	G11170 G11171	IN/EX	32	7.01	12.05 12.10	G	L
WAM 1452	G3483	IN/EX	30	5.99	9.85	G	L
FDU 1256	G3571 G11092	IN	47.5	5.50	11.06 11.11	G	L
FDU 1260	G3572 G11093	EX	54	5.50	11.06 11.11	G	L

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
LGR100100	PI06-0005	I
LGR100100	PI06-0005	I
LGR100100	PI06-0005	I
LGR100100	PI06-0005	I



NOTE remarks

ROVER

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2000	4	25 1.6 i 16V 45 1.6 i 16V	80	LGH101310 LGH101330	IN EX	6115 6116	S/NT R/NT	30 26	5.5 5.5	118.6 116	E E	45° 45°
1995/99		216 1.6 i 16V										
1995/99		416 1.6 i 16V										
1995		Eng. 16K4-K16										
1995		216 1.6 i 16V 416 1.6 i 16V From eng. N. 100001 1588 cc.										
2000	4	218 1.8 i 16V 418 1.8 i 16V 25 1.8 i 16V Eng. 18K4K 1796 cc.	80	LGH10064 LGH10065 LGH101360	IN EX	6117 6118	S/NT R/NT	31.6 27.4	6 6	89.6 90	S S	45° 45°
2000	4	25 1.8 i 16V 45 1.8 i 16V	80	LGH10029 LGH10065	IN EX	4816 6118	S/NT R/NT	27.7 27.4	6 6	89.6 90	S S	45° 45°
1999		75 1.8 i 16V Eng. 18K4F 1796 cc.		LGH101360								
1999	V6	45 2.0 i V6 24V 75 2.0 i V6 24V Eng. 20K4F 1997 cc.	80	LGH10064 LGH10065	IN EX	6117 6118	S/NT R/NT	31.6 27.4	6 6	89.6 90	S S	45° 45°
1999	V6	75 2.5 V6 825 2.5 i V6 24V Eng. 25K4F 2497 Cc.										
1978/82	4	Princess 1700	84.442	UAM7713	IN	4416	S	40	7.4	97.3	EE	45°
1978/84		Sherpa 200 - 230 - 250		CAM1235								
1982		Ambassador 1700 1695 cc.		CAM7488 CAM1236 UAM2063	EX	4417	R/CR	34.1	7.4	97.3	EE	45°
1978/82		Princess 2000 1993 cc.										
1979/80		Sherpa 200 - 230 - 250 Sherpa 255 - 280 - 285 Sherpa 310 - 350										
1980/82		Sherpa 200 - 230 - 250 Sherpa 255 - 280 - 285 Sherpa 310 - 350										
1984		Maestro 2000 Montego 2000 1993 cc.										
1985	4	M.G. Montego - Turbo 1993 cc.	84.442	UAM7713 UAM2372	IN EX	4416 4418	S R/CR	40 34.1	7.4 7.4	97.3 98.1	EE I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
FDU 1256	G3571 G11092	IN	47.5	5.50	11.06	G	L
FDU 1260		EX	54	5.50	11.06 11.11	G	L
LGJ10033	G11168 G11169	IN	30	6	10.13	G	L
LGJ10034		EX	30	6	9.88 9.93	G	L
LGJ10034	G11166 G11167	IN/EX	30	6	9.88 9.93	G	L
LGJ10033		IN	30	6	10.13	G	L
LGJ10034	G11169 G11166 G11167	EX	30	6	10.18 9.88 9.93	G	L
CAM 5821		IN/EX	39	7.46	12.06 12.11	G	L

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
LGR100100	PI06-0005	I
LGR100100	PI06-0005	I
LGR100100	PI06-0005	I


NOTE
remarks

ROVER

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1996	4	420 2.0 i 16V VVC Eng. 20T4H	84.5	LGH10020	IN	4846	S/CR	31.8	7	110.8	EE	45°
1992/99		820 2.0 i 16V Turbo Eng. T16.4 1996 cc.		LGH101060 LGH10049 LGH101140 LGH101000	EX	4847	R/AR/CR	29.3	7.1	110.8	EE	45°
1993	4	620 2.0 i 16V Eng. F20Z1/Z2 1997 cc.	85									

ROVER DIESEL

1992/94	4	115 Metro 1.5 D Eng. TUD5 1527 cc.	75		IN EX	4412 4413	S R/CR	35.5 30.6	7 7	108.4 108.2	E E	45° 45°
1994/98	4	115 Metro 1.5 D Eng. TUD5 1527 cc.	77		IN EX	4821 4822	S R/CR	37 31.5	7 7	108.4 108.1	E E	45° 45°
1991	4	Rover 218 - 418 SLD Eng. XUDT TE Turbo 1769 cc.	80	LGH10051 LGH10052	IN EX	4883 3988	R/CR R/CR	38 33	8 8	112.4 112	E E	45° 45°
1991	4	Rover 218-418 Eng. XUD9 A 1905 cc.	83	LGH10053 LGH10054	IN EX	4243 3988	S/CR R/CR	38 33	8 8	112.4 112	E E	45° 45°
1986/92	4	Maestro Clubman DLX Maestro Van 800 D Eng. Prima 65 Montego 2.0 DL/DSL 800 TD Eng. Prima 80T- Turbo 1994 cc.	84.4	BDU1399 BDU1400	IN EX	4926 4927	S/NT R/NT	37.2 33.6	7.42 7.40	93.8 93.8	EE EE	45° 45°
2000 1996	4	25 2.0 TDI 16V 45 2.0 TDI 16V 220 2.0 TDI 16V 420 2.0 TDI 16V 620 2.0 TDI 16V Eng. 20T2N 1994 cc.	84	LGH100990 LGH100980	IN EX	6119 6120	S/NT R/NT	37.2 32.5	7 7	86.7 86.7	EE EE	45° 45°
1999	4	75 2.0 CDTI 16V Eng. M47R-204D2/D4 1951 cc.	84	LGH101450	IN/EX	6088	BM/CR	26	6	100	I	45°
1983/84	4	Sherpa 285 - 310 - 350 Eng. 2.5l 2520 cc.	90.475	527240 550198	IN EX	3053 3054	S XB	39.5 33.5	7.9 8.7	116.5 117	EE EE	45° 45°
1984	4	Sherpa 285 - 310 - 350 Eng. 2.5l 2520 cc.	90.475	ERC9739 ERC9738	IN EX	4281 4282	S/CR R/CR	39.3 33.5	8 8.7	116.7 117	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
LGJ100540	G11172	IN	46.8	7.14	12.10	G	L
LGJ100550	G11173	EX	51.2	7.14	12.10	G	L-U
12204-PJ7-305	G3571	IN	47.5	5.50	11.06	G	L
	G11092				11.11		
12205-PJ7-305	G3572	EX	54	5.50	11.06	G	L
	G11093				11.11		
	G3332	IN	40.2	7	13.07	B	C.I.
	G3336	EX	43	7	13.07	B	C.I.
	G3555	IN	40.2	7	13.07	B	C.I.
	G3557				13.12		
	G3556	EX	43	7	13.07	B	C.I.
	G3558				13.12		
	G3528	IN/EX	48	8.02	14.05	B	C.I.
	G11025				14.10		
	G3528	IN/EX	48	8.02	14.05	B	C.I.
	G11025				14.10		
CAM 5821	G3138	IN/EX	39	7.46	12.06	G	L
	G3322				12.11		
LG5100510	G11329	IN/EX	28.5	6.95	12.07	G	L
	G11313	IN/EX	39	6	11.54	B	L
	G11314				11.59		
605482-568688	G2585	IN	46.5	7.94	13.55	G	F
605483-568689	G2586	EX	57	8.72	14.35	G	F
605482-568688	G2585	IN	46.5	7.94	13.55	G	F
605483-568689	G2586	EX	57	8.72	14.35	G	F

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
LGR100100	PI06-0005	I
	PI 03-105	M
	PI 03-105	M
	PI 06-0025	I
	PI 06-0022	I
	PI 06-0019	I






 NOTE
remarks

ROVER

ROVER DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1990	4	825D - SD - SDL Eng. VM84A-Turbo 2498 cc.	92	AEU2296L LGH10041	IN EX	3598 3599	R/CR R/CR	40	8	121	E	35°
								33.9	8	121	E	45°

RUGGERINI

	1	Motore RD 80		960/022	IN/D	5106	N/CR	30.5	9	105	E	45°
				960/023	EX	5107	R	30.5	9	105	E	45°
	1	Motore RD 85		960/16	IN/D	5116	N/CR	35	9	105	E	45°
				960/15	EX	5117	R	35	9	105	E	45°
	1	Motore PD 90		960/19	IN/D	5118	N/CR	37	9	105	E	45°
				960/15	EX	5107	R	35	9	105	E	45°
	1	Motore CRD 95		960/13	IN/D	5119	N/CR	37.8	9	119	E	45°
				960/18	EX	5120	R	37.8	9	119	E	45°
	1	Motore RD 100		960/17	IN/D	5121	N/CR	41	9	119	E	45°
				960/18	EX	5120	R	37.8	9	119	E	45°
		D90 - D95		960/45	IN/D	5124	N/CR	38	9	105	E	45°
				960/46	EX	5125	R	37	9	105	E	45°
	3	MD 300 - MD 350		960/58	IN	5156	S	37.5	7	84.5	E	45°
				960/59	EX	5157	R/NT	330	7	84.5	E	45°
	1/2	MD 75 - 85 - 95 MD 150		960/53	IN	5158	S	35	7	84.5	E	45°
				960/54	EX	5159	R/NT	31	7	84.5	E	45°
	1	RF 91 - 120 - 140		960/56	IN	5160	S	39	7	95	E	45°
				960/55	EX	5161	R/NT	36	7	95	E	45°
	1/2	RF 80 - 90 RD 180		960/49	IN	5162	S	33	7	95	E	45°
				960/50	EX	5163	R/NT	30	7	95	E	45°
	2	RD 220 - 240 - 270		960/57	IN/EX	5164	R/NT	37	7	105	E	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
SAAB												
2004	4	9-3 1.8 i 16V Eng. Z18XE 1796 cc.	80.5		IN EX	6051 6052	S/CR BM/AR/CR	31.2 27.5	5 5	101.3 100.7	I I	45° 45°
1993	V6	900 2.5 i V6 24V Eng. B258 2498 cc.	81.6	4500849 4500864	IN EX	4649 4650	S/CR BM/CR	32 29	6 6	102.1 92.2	I I	45° 45°
09/02	4	9.3 Sport Sedan 2.0 T Eng. B207R 1998 cc.	86	12786696 12791961	IN EX	6310 6311	S/CR BM/CR	35.1 30.1	6 6	102.2 101	I I	45° 45°
1998 1994	V6	9-5 3.0 i V6 24V 9000 3.0 i V6 24V Eng. B308i 2961 CC.	86	4500849 4500864	IN EX	4649 4650	S/CR BM/CR	32 29	6 6	102.1 92.2	I I	45° 45°
1984/88	4	900 16 Turbo 9000 Turbo 9000 i 900 16i S - XS - SE Turbo Eng. B202 Si 1985 cc.	90	7562002 7500085 9165598	IN EX	4910 4911	S/CR R/AR/CR	32 29	7 7	108.3 108.3	I I	45° 45°
1992 1993 1998 1993 1998	4	9000 2.0 i Turbo 16V Eng. B204 9000 2.0 i 16V 900 2.0 i 16V 9-3 2.0 i Eng. B204i-B206i 900 2.0 i Turbo 16V 9-3 2.0 i Turbo 16V Eng. B204L 1985 cc.	90	9165580 9165598 7500085	IN EX	6286 4911	S/CR R/AR/CR	33 29	7 7	107.8 108.3	I I	45° 45°
1989 1993 1998	4	9000 2.3 i 16V 900 2.3 i 16V 9-3 2.3 i 16V Eng. B234i 2290 cc.	90	9165580 9165598 7500085	IN EX	6286 4911	S/CR R/AR/CR	33 29	7 7	107.8 108.3	I I	45° 45°
1998 1998	4	9-5 Eng. B205E 1985 cc. 9-5 2.3 Eng. B235R - B253L 2290 cc.	90	9185851 9399965	IN EX	6288 6289	S/CR R/AR/NT	33 29	5 5	107.5 108	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
SAAB DIESEL													
2004	4	9-3 1.9 TiD 16V Eng. Z19DT/DTH 1910 cc.	82		IN EX	6203 6204	S/CR BM/CR	28	6	114.4	I	45°	
								26	6	114.4	I	45°	
1998	4	9-3 2.2 TDI 16V Eng. D223L (X22TDH) 2172 cc.	84	4772380 4772414	IN EX	4884 4885	BM/CR BM/AR/CR	29	6	97.1	I	45°	
								26	6	97	I	45°	
SCANIA													
1950/73	4	Eng. D420 5650 cc.	115	215715 168843	IN EX	4866 6057	S/CR R/CR	50 42	11 11	169 169	S S	30° 30°	
1950		Eng. D440 6230 cc.		243648	EX	4867	R/CR	42	11	169	S	45°	
1950	6	Eng. D610 - D620 8470 cc.											
1954/61		Eng. D630 9350 cc.											
1967		Eng. D8 7790 cc.											
1950/60	8	Eng. D810 11300 cc.											
1985	6	Eng. DS9 Eng. DSC9 8471 cc.	115	1319081	IN	6364	R/CR	51	11	162.5	S	20°	
				391608									
				1360833	EX	6365	R/CR	44	11	162.5	S	45°	
				366256 278102									
1958/68	6	Eng. D10 10260 cc. Eng. DN11 Up to Eng. N. 5220093 11015 cc.	127	272803	IN	3743	S/CR	54	11	162.5	S	30°	
				1361189									
				232018	EX	3744	R/CR	45	11	162.5	S	45°	
				1360834									
				243477	EX	3742	R/CR	44	11	162.5	S	30°	
	6	Eng. DN11 From Eng. N. 5220094 11015 cc.	127	352211	IN	6047	R/CR	54	11	162.5	S	20°	
				232018	EX	3744	R/CR	45	11	162.5	S	45°	
				1360834									
1958/68	6	Eng. DS10 Turbo 10260 cc.	127	272804	IN	3741	S/CR	54	11	162.5	S	30°	
1968		Eng. DS11 Turbo Up to Eng. N. 5220093 11015 cc.		1361190									
				232018	EX	3744	R/CR	45	11	162.5	S	45°	
				1360834									
1969	6	Eng. DS11 Turbo From Eng. n. 5220094 11015 cc.	127	294674	IN	4371	R/CR	54	11	162.5	S	20°	
				1360836									
				232018	EX	3744	R/CR	45	11	162.5	S	45°	
				1360834									
1968/81	6	Eng. DS11 Turbo 11015 cc.	127	270247	IN	4106	R/CR	54	11	162.5	S	30°	
				1361192									
				232018	EX	3744	R/CR	45	11	162.5	S	45°	
				1360834									

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1981	6	Eng. DS11 Turbo 11015 cc.	127	324675	IN	4130	R/CR	54	11	162.5	S	20°
				1361191	EX	3744	R/CR	45	11	162.5	S	45°
1968/81	V8	Eng. DS14 Turbo With valve Rotator 14181 cc.	127	270247	IN	4106	R/CR	54	11	162.5	S	30°
				1361192	EX	3744	R/CR	45	11	162.5	S	45°
1981	V8	Eng. DS14 Turbo With valve Rotator 14181 cc.	127	324675	IN	4130	R/CR	54	11	162.5	S	20°
				1361191	EX	3744	R/CR	45	11	162.5	S	45°
1968/81	V8	Eng. DN14 Eng. DS14 Turbo Up to Eng. N. 5504735 14181 cc.	127	272804	IN	3741	S/CR	54	11	162.5	S	30°
				1361190	EX	3742	R/CR	44	11	162.5	S	30°
1981	V8	Eng. DN14 Eng. DS14 Turbo From Eng. n. 5504736 14181 cc.	127	294674	IN	4371	R/CR	54	11	162.5	S	20°
				1360836	EX	3742	R/CR	44	11	162.5	S	30°
1995	8	Eng. DSC 14.13.530 Euro 2 14181 cc.	127	294674	IN	4371	R/CR	54	11	162.5	S	20°
				232018	EX	3744	R/CR	45	11	162.5	S	45°
1996	6	Eng. DSC 11.89 Turbo Eng. DSC/DSI 12 Turbo 11700 cc.	127	1333230	IN	6434	BM/CR	44	10	171.5	S	20°
				1477022	EX	6435	BM/AR/CR	41	10	171.5	S	45°
				1328537								
				1445830								

SEAT

1984	4	Marbella LS-GLS Eng. 100 GL6.000 843 cc.	65	4265695	IN	3561	S/CR	29	7	95.5	EE	45°
				4266321	EX	3359	R/CR	26	7	95.5	I	45°
				4377979	EX	3551	R/CR	26	7	95.5	EE	45°
1982	4	Marbella LS-GLS-GLX Fura L-GL Ibiza Junior Eng. Fiat GL3 903 cc.										
1984												
1986												
1997	4	Arosa 1.0 i Cordoba 1.0 i Ibiza 1.0 i Eng. AER-ALL 999 cc.	67.1	030 109 601AG	IN	4964	S	31	7	94.8	I	45°
1996				030 109 611N	EX	4965	R	26	7	94.4	I	45°
1997												
1998	4	Arosa 1.0 Eng. AHT 999 cc.	67.1	047 109 601D	IN	6179	S/CR	34	7	101.4	I	45°
				047 109 611D	EX	6180	R/CR	30	7	101.4	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1999/02 1997	4	Ibiza 1.0 i Cordoba 1.0 i Arosa 1.0 i Eng. ALD-AUC-ANV 999 cc.	67.1	030 109 601AK 030 109 611S	IN EX	6351 6352	S R	31 26	6 6	99 98.9	I I	45° 45°
1984 1984 1985	4	Ibiza 1.2 L-GL-GLX Ronda 1.2 L-GL-GLX Malaga 1.2 L-GL-GLX Eng. System Porsche 1193 cc.	75	SE0210-12301A 39403030 SE0210-12302A 39403040	IN EX	4150 4151	S/CR R/CR	32 28	7 7	103 103	I I	45° 45°
1993/07/94	4	Ibiza 1.0 i Until chassis n.80-NW-500000 Eng. AAU 1043 cc.	75	030 109 601E 030 109 611A	IN EX	4646 4367	S/CR R - BM/AR	32 28.9	8 8	99.3 99.1	I I	45° 45°
08/94	4	Ibiza 1.0 i From chassis n.80-PW-500001 Eng. AAU 1043 cc.	75	030 109 601M 030 109 611D	IN EX	4886 4803	S R	32 29	7 7	99.2 99.2	I I	45° 45°
1989/94	4	Ibiza 1.3 i Until chassis n.80-NW-500000 Eng. 2G-AAV 1272 cc.	75	030 109 601D/F 030 109 611A	IN EX	4645 4367	S/CR R - BM/AR	36 28.9	8 8	99.3 99.1	I I	45° 45°
1989/94	4	Ibiza 1.3 i From chassis n.80-NW-500001 Eng. 2G-AAV 1272 cc.	75	030 109 601L 030 109 611D	IN EX	4802 4803	S R	36 29	7 7	99.3 99.2	I I	45° 45°
1993/07/94	4	Ibiza 1.4 i Eng. ABD 1390 cc.	75	030 109 601D/F 030 109 601E 030 109 611A	IN IN EX	4645 4646 4367	S/CR S/CR R - BM/AR	36 32 28.9	8 8 8	99.3 99.3 99.1	I I I	45° 45° 45°
2003 2003	3	Cordoba 1.2 i 12V Ibiza 1.2 i 12V Eng. AZQ-BME 1198 cc.	76.5	036 109 601AD 036 109 611K	IN EX	6205 6014	S BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
08/94/99	4	Ibiza 1.4 i Eng. ABD 1391 cc.	76.5	030 109 601L 030 109 601J 030 109 611D	IN IN EX	4802 4873 4803	S S R	36 34 29	7 7 7	99.3 99 99.2	I I I	45° 45° 45°
1997 1994 1993 1995	4	Arosa 1.4 i Cordoba 1.4 i Ibiza 1.4 i Inca 1.4 i Eng. AEX-AKV 1390 cc.	76.5	030 109 601AH 032 109 611G	IN EX	4952 4805	S R	35.6 29	7 7	94.8 95	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
SE021012306A SE021012306B	G3267 G3268 G3587	IN/EX	41.5	7	13.52 13.57 13.72	G	C.I.
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
030103419A	G11194 G11195	IN/EX	36.5	6.98	11.07 11.12	B	C.I.
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
030103419A	G11194 G11195	IN/EX	36.5	6.98	11.07 11.12	B	C.I.
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F





**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-008	I
	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	
034109309N	PI 06-0001	I
	PI 06-0008	I
034109309N	PI 06-0001	I
	PI 06-0001	I

**NOTE
remarks**
SEAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1996 1999	4	Cordoba 1.4 i 16V Toledo 1.4 i 16V Eng. AHW-AUB	76.5	036 109 601S	IN	6013	S	29.5	6	100.9	I	45°
1999		Eng. AHW-AUB		036 109 611K	EX	6014	BM	26	6	100.57	I	45°
1999		Cordoba 1.4 i 16V										
1999		Ibiza 1.4 i 16V										
1999		Leon 1.4 i 16V										
2000		Inca 1.4 16V										
		Eng. APE-AQQ-AUA										
2003		Cordoba 1.4 i 16V										
2002		Ibiza 1.4 i 16V										
1999		Eng. BBY-BBZ-BKY Arosa 1.4 i 16V Eng. AFK-AUB-AQQ 1390 cc.										
1996 1996	4	Ibiza 1.4 i 16V Cordoba 1.4 i 16V Eng. AFH 1390 cc.	76.5	036 109 601P	IN	4966	S	29.5	6	98	I	45°
		Eng. AFH 1390 cc.		036 109 611L	EX	4967	R	26	6	97.2	I	45°
1997 1999 1998 1995	4	Arosa 1.4 i Ibiza 1.4 i Cordoba 1.4 i Inca 1.4 i Eng. AUD-AKK 1390 cc.	76.5	030 109 601AL	IN	6197	S	33.5	6	99.2	I	45°
		Eng. AUD-AKK 1390 cc.		030 109 611T	EX	6198	BM	28	6	99.2	I	45°
1993/99 1995/98	4	Corboda 1.6 i Ibiza 1.6 i Inca 1.6 i 1598 cc. Eng. ABU-AEE 1598 cc.	76.5	032 109 601G	IN	4804	S	34.6	7	94.8	I	45°
		Eng. ABU-AEE 1598 cc.		030 109 601AH	IN	4952	S	35.6	7	94.8	I	45°
		Eng. ABU-AEE 1598 cc.		032 109 611G	EX	4805	R	29	7	95	I	45°
1993/99 1993/99 1991/93 1995/98	4	Cordoba 1.6 i Ibiza 1.6 i Toledo 1.6 i Inca 1.6 i Eng. 1F-ABN 1598 cc.	76.5	035 109 601K	IN	4641	S/CR	38	8	91.9	I	45°
		Eng. 1F-ABN 1598 cc.		053 109 611	EX	4642	BM/AR/CR	33.2	8	91.2	I	45°
1996	4	Toledo 1.6 i Eng. AEE 1598 cc.	76.5	030 109 601AH	IN	4952	S	35.6	7	94.8	I	45°
		Eng. AEE 1598 cc.		032 109 611G	EX	4805	R	29	7	95	I	45°
1999	4	Cordoba 1.6 i Ibiza 1.6 i Eng. ALM 1598 cc.	76.5	030 109 601AH	IN	4952	S	35.6	7	94.8	I	45°
		Eng. ALM 1598 cc.		032 109 611G	EX	4805	R	29	7	95	I	45°
2000	4	Leon 1.6 i 16V Toledo 1.6 i 16V Eng. AUS-AZD 1598 cc.	76.5	036 109 601AD	IN	6205	S	29.5	6	100.9	I	45°
		Eng. AUS-AZD 1598 cc.		036 109 611K	EX	6014	BM	26	6	100.57	I	45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0008	I
059109521C 059109521B	PI 06-0008	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0008	I

NOTE remarks

SEAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1993 1993/96	4	Cordoba 1.8 i Ibiza 1.8 i Toledo 1.8 i Eng. ABS 1781 cc.	81	035 109 601K 048 109 611A	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1994 1993/96 1993/96	4	Cordoba 1.8 i Ibiza 1.8 i Toledo 1.8 i Eng. ADZ Up to eng. N. 001108 1780 cc.	81	035 109 601K 048 109 611A	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1993 1993/96	4	Cordoba 1.8 i 16V Ibiza 1.8 i 16V Eng. ADL 1780 cc.	81	051 109 601B 051 109 611B	IN EX	4808 4809	S R	32 27	7 7	95.5 98	I I	45° 45°
1996 1996 1996 1999	4	Cordoba 1.6 i Ibiza 1.6 i Toledo 1. l Leon 1.6 i Eng. AFT-AEH-AKL-APF 1595 cc.	81	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1999	4	Leon 1.8 i 20V Toledo 1.8 i 20V Ang. AGN-APG 1781 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1998 2000 1999 1999 2003	4	Alhambra 1.8 i Turbo 20V Eng. AJH Ibiza 1.8 i Turbo 20V Eng. AQX Leon 1.8 i 20V Toledo 1.8 i 20V Eng. AJQ-APP-ARY-AUQ Leon 1.8 i 20V Eng. BAM 1781 cc.	81	058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
2004	4	Altea 1.6 i Toledo 1.6 i Eng. BGU 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	6155 6156	S BM	39.4 33	6 6	94 94	I I	45° 45°
1991	4	Toledo GL-GLX-GT 2.0 Eng. ZE-AAM 1984 cc.	82.5	048 109 611A 053 109 611	IN EX	4643 4642	S/CR BM/AR/CR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1993/94 1993/94	4	Cordoba 2.0 i Toledo 2.0 i Ibiza 2.0 i Eng. 2E Up to eng. N. 565664 1984 cc.	82.5	048 109 611A 048 109 611A	IN EX	4643 4642	S/CR BM/AR/CR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
051103419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	F

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
022109423A	PI 06-0019	I
	PI 06-0001	I
	PI 06-0001	I

NOTE remarks
* 4853 Retainer stem end 3.40 mm
* 6189 Retainer stem end 5.00 mm

SEAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1994 1994/96 1994/96	4	Cordoba 2.0 i Toledo 2.0 i Ibiza 2.0 i Eng. 2E From eng. N. 565665 1984 cc.	82.5	078 109 601A 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1984 1994/96 1994/96 1996	4	Cordoba 2.0 i Toledo 2.0 i Ibiza 2.0 i Alhambra 2.0i Eng. AGG-ADY 1984 cc.	82.5	078 109 601A 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1996 1996 1993 1996/00	4	Ibiza 2.0 i 16V Cordoba 2.0 i 16V Toledo 2.0 i 16V Alhambra 2.0 i 16V Eng. ABF 1984	82.5	051 109 601B 051 109 611B	IN EX	4808 4809	S R	32 27	7 7	95.5 98	I I	45° 45°
2004 2004 2005	4	Altea 2.0 FSI 16V Toledo 2.0 FSI 16V Leon 2.0 FSI 16V Eng. BLY-BLR 1984	82.5	06D 109 601K 06D 109 611L	IN EX	6206 6207	S BM/CR	34 28	6 6	104 102	I I	45° 45°
1984	4	Ibiza 1.5 GLX Ronda 1.5 GLX - SX Malaga 1.5 GLX Eng. System Porsche 1461 cc.	83	SE0210-12301B 39402830 SE0210-12302B 39402840	IN EX	4152 4153	S/CR R/CR	34 30	7 7	103 103	I I	45° 45°

SEAT DIESEL

1990/94	4	Terra 1.3 D Eng. MN 1272 cc.	75	030 109 601 030 109 611A	IN EX	4366 4367	S R - BM/AR	34 28.9	8 8	99.1 99.1	I I	45° 45°
1990/95	4	Terra 1.4 D Up to chassis n.80-NW-500000 Eng. 1W 1398 cc.	75	030 109 601 030 109 611A	IN EX	4366 4367	S R - BM/AR	34 28.9	8 8	99.1 99.1	I I	45° 45°
1990/95	4	Terra 1.4 D From chassis n.80-NW-500001 Eng. 1W 1398 cc.	75	030 109 601J 030 109 611D	IN EX	4873 4803	S R	34 29	7 7	99 99.2	I I	45° 45°
2000 2002 2002	3	Arosa 1.4 TDI Ibiza 1.4 TDI Cordoba 1.4 TDI Eng. AMF 1422 cc.	79.5	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1997	4	Arosa 1.7 SDI Eng. AHG-AKU 1716 cc.	79.5	028 109 601J 028 109 611K	IN EX	4946 4947	S R	36	7	96.5		45°
								31.5	7	96.3		45°
1993/5-96 1991/5-96 1995/5-96	4	Corboda 1.9 D Ibiza 1.9 D Toledo 1.9 D Inca 1.9 D Up to eng. N. 580 000 Eng. 1Y 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	4483 4640	S/CR BM/AR/CR	36	8	95.5		45°
								31.2	8	95		45°
6/96 06/96-99	4	Cordoba 1.9 D Ibiza 1.9 D Inca 1.9 D Toledo 1.9 D From eng. N. 580 001 Eng. 1Y 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	6036 6037	S R/CR	36	7	95.5		45°
								31	7	95.5		45°
1995/2.96	4	Toledo 1.9 TDI Up to eng. N. 770 000 Eng. 1Z 1896 cc.	79.5	028 109 601H 028 109 611F	IN EX	4776 4777	BM/CR BM/CR	36	8	96.9		45°
								31.4	8	96.9		45°
3/96	4	Toledo 1.9 TDI From eng. N. 770 001 Eng. 1Z 1896 cc.	79.5	028 109 601D 028 109 601K 028 109 611G	IN IN EX	6087 4888 4889	S BM BM	35.9	7	96.8		45°
								35.9	7	96.8		45°
								31.5	7	96.85		45°
06/96-96	4	Ibiza 1.9 TD Eng. AAZ 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	6036 6037	S R/CR	36	7	95.5		45°
								31	7	95.5		45°
1993/5-96 1991/5-96	4	Ibiza 1.9 TD Toledo 1.9 TD Up to eng. N. 678 000 Eng. AAZ 1896 cc.	79.5	069 109 601H 074 109 611	IN EX	4899 4640	BM/AR/CR BM/AR/CR	36	8	95.5		45°
								31.2	8	95		45°
06/96-99	4	Toledo 1.9 TD From eng. N. 678 001 Eng. AAZ 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	6036 6037	S R/CR	36	7	95.5		45°
								31	7	95.5		45°
1996	4	Cordoba 1.9 D Eng. AEF 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	6036 6037	S R/CR	36 31	7 7	95.5 95.5	 	45° 45°
1996/99 1995/99 1995	4	Cordoba 1.9 SDI Ibiza 1.9 SDI Toledo 1.9 SDI Inca 1.9 SDI From eng. N. 002 001 Eng. AEY 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	4946 4947	S R	36 31.5	7 7	96.5 96.3	 	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I



NOTE remarks

SEAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1999	4	Codoba 1.9 SDI	79.5	028 109 601J	IN	4946	S	36	7	96.5	I	45°	
1999		Leon 1.9 SDI		028 109 611K	EX	4947	R	31.5	7	96.3	I	45°	
1999		Toledo 1.9 SDI Eng. AQM-AGP-AEY 1896 cc.											
2002	4	Coroba 1.9 SDI	79.5	028 109 601J	IN	4946	S	36	7	96.5	I	45°	
2002		Ibiza 1.9 SDI Eng. ASY 1896 cc.		028 109 611K	EX	4947	R	31.5	7	96.3	I	45°	
1996	4	Alhambra 1.9 TDI	79.5	028 109 601D	IN	6087	S	35.9	7	96.8	I	45°	
		Eng. 1Z		028 109 601K	IN	4888	BM	35.9	7	96.8	I	45°	
1996		Corboda 1.9 TDI		028 109 611G	EX	4889	BM	31.5	7	96.85	I	45°	
1996		Ibiza 1.9 TDI Inca 1.9 TDI Eng. 1Z-AGR-AHU-ALH											
1999		Leon 1.9 TDI											
1999		Toledo 1.9 TDI Eng. AGR-AHU-ALH 1896 cc. (90CV)											
1996/00	4	Alhambra 1.9 TDI	79.5	028 109 601D	IN	6087	S	35.9	7	96.8	I	45°	
		Eng. AFN-AVG		028 109 601K	IN	4888	BM	35.9	7	96.8	I	45°	
1996		Ibiza 1.9 TDI		028 109 611G	EX	4889	BM	31.5	7	96.85	I	45°	
1996		Cordoba 1.9 TDI											
1999		Leon 1.9 TD											
1996		Toledo 1.9 TDI Eng. AFN-AHF-ASV 1896 cc (110 CV)											
2000	4	Alhambra 1.9 TDI	79.5	038 109 601B	IN	6128	S	35.9	7	89.9	I	45°	
		Eng. AUJ 1896 cc. (115 CV)		038 109 611B	EX	6129	BM	31.5	7	90	I	45°	
2002	4	Cordoba 1.9 TDI	79.5	038 109 601B	IN	6128	S	35.9	7	89.9	I	45°	
2002		Ibiza 1.9 TDI Eng. ATD 1896 cc. (101 CV)		038 109 611B	EX	6129	BM	31.5	7	90	I	45°	
2002	4	Alhambra 1.9 TDI	79.5	038 109 601B	IN	6128	S	35.9	7	89.9	I	45°	
2002		Cordoba 1.9 TDI		038 109 611B	EX	6129	BM	31.5	7	90	I	45°	
2002		Ibiza 1.9 TDI											
2003		Leon 1.9 TDI											
2003		Toledo 1.9 TDI Eng. ASZ 1896 cc. (130 CV)											
2001	4	Ibiza 1.9 TDI	79.5	038 109 601B	IN	6128	S	35.9	7	89.9	I	45°	
2001		Leon 1.9 TDI		038 109 611B	EX	6129	BM	31.5	7	90	I	45°	
2000		Toledo 1.9 TDI Eng. ARL 1896 cc. (150 CV)											

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I



NOTE remarks

SEAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2004 2004 2005	4	Altea 2.0 TDI -PD 16V Toledo 2.0 TDI-PD 16V Leon 2.0 TDI-PD 16V Eng. AZV-BKD 1968 cc. (140 CV)	81	03G 109 601B 03G 109 611D	IN EX	6372 6373	S BM	29.1 25.4	6 6	87.8 87.5	I I	45° 45°
1984 1985	4	Ibiza 1.7D Malga 1.7D Eng. Fiat 138A5.000 1714 cc.	83	4368843 4368845 5996615	IN EX	3609 3610	S/CR R/CR	38.5 33.5	8 8	126 126	EE EE	45° 45°

SKODA

1984	4	105 S Eng. 742.10 1046 cc.	68	113020240 113020260	IN EX	3721 3722	S R	31.2 27.2	8 8	99.8 99.8	I I	45° 45°
1984	4	120L Eng. 742.12 1174 cc.	72	113020241 113020260	IN EX	3723 3722	S R	32.2 27.2	8 8	99.6 99.8	I I	45° 45°
1999	4	Fabia 1.0 i Eng. AER 999 cc.	67.1	030 109 601AG 030 109 611N	IN EX	4964 4965	S R	31 26	7 7	94.8 94.4	I I	45° 45°
2000	4	Fabia 1.0 i Eng. AQV - ARV - ATY 997 cc.	72	047 109 601F 047 109 611B	IN EX	6181 6182	S/CR R/CR	34 27	7 7	103.8 103.7	I I	45° 45°
2000	4	Fabia 1.4 Eng. AME - AQW - ATZ AZE -AZF 1397 cc.	75.5	047 109 601D 047 109 611D	IN EX	6179 6180	S/CR R/CR	34 30	7 7	101.4 101.4	I I	45° 45°
2001	3	Fabia 1.2 i Eng. AWY 1198 cc.	76.5	032 109 601L 036 109 611K	IN EX	6452 6014	S BM	34.5 26	6 6	100.9 100.57	I I	45° 45°
2003	3	Fabia 1.2 i 12V Eng. AZQ-BME 1198 cc.	76.5	036 109 601AD 036 109 611K	IN EX	6205 6014	S BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
1999	4	Fabia 1.4 i 16V Eng. AFH 1390 cc.	76.5	036 109 601P 036 109 611L	IN EX	4966 4967	S R	29.5 26	6 6	98 97.2	I I	45° 45°
1999	4	Fabia 1.4 i 16V Eng. AUA-AUB-BBY Eng. BBZ-BKY 1390 cc.	76.5	036 109 601AD 036 109 611K	IN EX	6205 6014	S BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
1996	4	Felicia 1.6 i Octavia 1.6 i Eng. AEE 1598 cc.	76.5	030 109 601AH 032 109 611G	IN EX	4952 4805	S R	35.6 29	7 7	94.8 95	I I	45° 45°
2004	4	Octavia 1.6 FSI 16V Eng. BLF 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	6205 6014	S BM	29.5 26	6 6	100.9 100.57	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
SE700012306A SE700012306B	G2828 G2279	IN/EX	59.5	8.03	15.03 15.08	G	C.I.
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 03-102	M
	PI 06-0008	I
	PI 06-0008	I
	PI 06-0008	I
	PI 06-0001	I
	PI 06-0008	I






 NOTE
remarks

SEAT DIESEL

SKODA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1997	4	Octavia 1.6 i Eng. AFT-AEH-AKL 1595 cc.	81	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5	7	91.9	I	45°
								32.9	7	91.2	I	45°
2000	4	Octavia 1.6 i Eng. AVU-BFQ-BGU 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	6155 6156	S BM	39.4	6	94	I	45°
								33	6	94	I	45°
1996	4	Octavia 1.8 i 20V Eng. AGN 1781 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9	6	105.9	I	45°
								29.8	6	103.9	I	45°
1997	4	Octavia 1.8 i 20V Turbo Eng. AGU 1781 cc.	81	058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9	6	105.9	I	45°
								29.8	6	103.9	I	45°
1997	4	Octavia 1.8 i 20V Turbo Eng. ARX-AUM 1781 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9	6	105.9	I	45°
								29.8	6	103.9	I	45°
2002	4	Superb 1.8 i 20V Turbo Eng. AWT 1781 cc.	81	058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9	6	105.9	I	45°
								29.8	6	103.9	I	45°
1999 2000	4	Octavia 2.0 i Fabia 2.0 i Eng. AQY 1984 cc.	81	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5	7	91.9	I	45°
								32.9	7	91.2	I	45°

SKODA DIESEL

1995/5-96	4	Felicia 1.9 D Until eng. N. 007 000 Eng. AEF 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	4483 4640	S/CR BM/AR/CR	36	8	95	I	45°
								31.2	8	95	I	45°
6-96	4	Felicia 1.9 D From eng. N. 007 001 Eng. AEF 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	6036 6037	S R/CR	36	7	95.5	I	45°
								31	7	95.5	I	45°
1996	4	Octavia 1.9 TDI Eng. AGR-ALH-AHF-ASV 1896 cc.	79.5	028 109 601D 028 109 611G	IN EX	6087 4889	S BM	35.9	7	96.8	I	45°
								31.5	7	96.85	I	45°
1997 1997	4	Octavia 1.9 SDI From eng. N. 002 001 Eng. AEY Octavia 1.9 SDI Eng. AQM-AGP 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	4946 4947	S R	36	7	96.5	I	45°
								31.5	7	96.5	I	45°
1999	4	Fabia 1.9 SDI Eng. AEY-ASY 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	4946 4947	S R	36	7	96.5	I	45°
								31.5	7	96.3	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
050109309A 050109309C 050109309H 050109309M	PI 06-0001	I
	PI 06-0019	I
	PI 06-0001	I
050109309A 050109309C 050109309H 050109309M	PI 06-0001	I
	PI 06-0001	I
034109309N	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I


NOTE
remarks

* 4853 Retainer
stem end 3.40 mm

* 6189 Retainer
stem end 5.00 mm

* 4853 Retainer
stem end 3.40 mm

* 6189 Retainer
stem end 5.00 mm

SKODA
SKODA DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1999	4	Fabia 1.9 TDI Eng AHF 1896 cc.	79.5	028 109 601D	IN	6087	S	35.9	7	96.8	I	45°
				028 109 611G	EX	4889	BM	31.5	7	96.85	I	45°
2000 2000	4	Fabia 1.9 TDI Octavia 1.9 TDI Eng. ATD 1896 cc.	79.5	038 109 601B	IN	6128	S	35.9	7	89.9	I	45°
				038 109 611B	EX	6129	BM	31.5	7	90	I	45°
2002	4	Superb 1.9 TDI Eng. AVB-AVF-AWX 1896 cc.	79.5	038 109 601B	IN	6128	S	35.9	7	89.9	I	45°
				038 109 611B	EX	6129	BM	31.5	7	90	I	45°
2003 2003	4	Fabia 1.9 TDI Octavia 1.9 TDI Eng. ASZ 1896 cc.	79.5	038 109 601B	IN	6128	S	35.9	7	89.9	I	45°
				038 109 611B	EX	6129	BM	31.5	7	90	I	45°
2004	4	Octavia 2.0 TDI-PD 16V Eng. BKD 1968 cc.	81	03G 109 601B	IN	6372	S	29.1	6	87.8	I	45°
				03G 109 611D	EX	6373	BM	25.4	6	87.5	I	45°

SLANZI

	1	DVA 460/920		515.9652.070	IN/D	5072	S	36	8	105.2	E	45°
				44.22.36	EX	5073	S/NT	31	8	106.1	E	45°
		DVA 1300		000.9652.089	IN/D	5070	S	40	9	131	D	45°
				44.22.65	EX	5071	S/NT	40	9	131	D	45°
		DVA 1500		000.9652.088	IN/D	5074	S	40	9	125	D	45°
				44.22.62	EX	5075	S/NT	34	9	125	D	45°
		DVA 1750		586.9652.071	IN/D	5096	S	38.5	8	113.8	E	45°
				44.22.38	EX	5097	R/NT	32.9	8	113.8	E	45°
		DVA 3600		988.9652.068	IN	5138	S	44	9	123	D	45°
				44.21.68	EX	5139	R/NT	38	9	123	D	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
SMART												
	3	Smart Eng. M160 599-698 cc.	63.5	1600530001 1600500027	IN EX	6038 6039	S/NT R/NT	30 25	6 6	89.2 89.5	E E	45° 45°
2004	3	Fourfour 1.1 12V Eng. M134E11 1124 cc.	75	1350530001 1350530005	IN EX	6494 6495	S/NT R/NT	30.4 25.4	5 5	89.6 90.9	S S	45° 45°
	4	Forfour 1.3 16V Eng. M135E13 1332 cc.										
	4	Forfour 1.5 16V Eng. M135E15 1499 cc.										
SMART DIESEL												
	3	Smart 800 Cdi 799 cc.			IN EX	6355 6356	S/CR R/CR	27.5 25.4	6 6	91.3 91.2	I I	45° 45°
	3	Forfour 1.5 CDI Eng. OM639 1493 cc.	83	6420530401 6420500527	IN EX	6496 6497	S/CR R/CR	28.6 25.4	6 6	102.2 102.2	I I	45° 45°
SSANGYONG												
1996 1997	4	Musso 2.0 i 16V Korando 2.0 i 16V Eng. E20 1998 cc.	89.9	1110531101 1110501227 1110501427	IN EX	4758 4760	S/NT R/AR/NT	35 31	7 7	101.5 103.5	EE EE	45° 45°
1996 1996 1996	6 6 V6	Musso 3.2 i 24V Korando 3.2 i 24V Rexton 3.2 i 24V Eng. E32 3199 cc.	89.9	1110531101 1110501227 1110501427	IN EX	4758 4760	S/NT R/AR/NT	35 31	7 7	101.5 103.5	EE EE	45° 45°
1996 1997	4	Musso 2.3 i 16V Korando 2.3 i 16V Eng. E23 2295 cc.	90.9	1110531101 1110501227 1110501427	IN EX	4758 4760	S/NT R/AR/NT	35 31	7 7	101.5 103.5	EE EE	45° 45°
SSANGYONG DIESEL												
1995	4	Korando 2.3 D Eng. OM 601-OM661 2298 cc.	89	6010531701 6010501227 6010502127	IN EX	4193 4194	S/CR BM/CR	38 35	8 9	106.4 106.4	EE EE	45° 45°
1995 1995	4	Korando 2.3 TD Musso 2.3 TD Eng. OM 661 2298 cc.	89	6010531701 6010501227 6010502127	IN EX	4193 4194	S/CR BM/CR	38 35	8 9	106.4 106.4	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11288 G11299	IN/EX	35	6	12.56 12.61	G	C.I.
	G11398 G11399	IN/EX	34.5	6	11.56 11.60	G	C.I.
	G11398 G11399	IN/EX	34.5	6	11.56 11.60	G	C.I.
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.
1110531029	G11039 G11040 G11041	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.
6010500624	G3091 G3370	IN	39.5	8	14.07 14.12	G	C.I.-U
6010500924	G3092 G3373	EX	37.3	9	14.07 14.12	G	C.I.
6010500624	G3091 G3370	IN	39.5	8	14.07 14.12	G	C.I.-U
6010500924	G3092 G3373	EX	37.3	9	14.07 14.12	G	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0030	I
	PI 06-0030	I
	PI 06-0030	I
	PI 06-0030	I
	PI 06-0036	I
	PI 06-0036	I


 NOTE
remarks

SMART

SMART DIESEL

SSANGYONG

SSANGYONG DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1996 1995	4	Korando 2.9 D Musso 2.9 D Eng. OM 662 2874 cc.	89	6010531701 6010501227 6010502127	IN EX	4193 4194	S/CR BM/CR	38 35	8 9	106.4 106.4	EE EE	45° 45°
1998 1998 2001	4	Korando 2.9 TDI Musso 2.9 TDI Musso Sport 2.9 TDI Eng. OM 602-OM 662 2874 cc.	89	6010531701 6010501227 6010502127	IN EX	4193 4194	S/CR BM/CR	38 35	8 9	106.4 106.4	EE EE	45° 45°
2002	4	Rexton 2.9 TDI 10V Eng. OM 662 2874 cc.	89	6010531701 6010501227 6010502127	IN EX	4193 4194	S/CR BM/CR	38 35	8 9	106.4 106.4	EE EE	45° 45°

STEYR

1967/79	6	Eng. WD 614 Turbo 8143 cc.	120	61460050007 61560050006	IN EX	4678 4679	BM/CR BM/CR	50.9 48.9	12 12	158.4 158.4	EE EE	35° 45°
1986/87	6 8	Eng. WD615.68 Turbo 9726 cc. Eng. WD815.66 Turbo 11970 cc.	126	61560050022 61560050027	IN EX	4680 4681	BM/CR BM/CR	50.9 48.9	11 11	159.4 158.4	EE EE	35° 45°

SUBARU

1995	4	Justy 1.3 i 16V Eng. G13BA 1298 cc.	74	12911-82000 12915-82000	IN EX	4549 4550	S/NT R/NT	36 30	7 7	115.5 114.5	EE EE	45° 45°
2001	4	Justy 1.3 i 16V Eng. G13BB 1298 cc.	74	12911-71C00 12915-71C50	IN EX	6121 6122	S/NT R/NT	29.2 25	5.5 5.5	92.2 79.8	EE EE	45° 45°
2004	4	Justy G3X 1.3 i 16V 1328 cc.		12911-54G00 12915-54G00 12915-54G50	IN EX	6212 6213	S/NT R/NT	30 25	5.5 5.5	101 99	EE EE	45° 45°
8/99	4	Impreza 1.6 16V Eng. EJ16 1597 cc.	87.9	13201-AA420 13202-AA430	IN EX	6076 6077	S/NT R/NT	32.5 28.5	5.9 5.9	120.6 121.7	E E	45° 45°
1998 2004	4	Forester 2.0 i 16V Legacy 2.0 i 16V Eng. EJ20J 1994 cc.	92	13201-AA351 13202-AA361	IN EX	6443 6444	S/NT R/NT	34 30	5.9 5.9	120.6 121.7	SS SS	45° 45°
9/99 1999	4	Impreza 2.0 i 16V Legacy 2.0 i 16V Eng. EJ20 1994 cc.	92	13201-AA430 13202-AA440	IN EX	6068 6069	R/NT BM/AR/NT	34 31.9	5.9 5.9	120.6 104.7	E E	45° 45°
1996	4	Impreza Turbo 16V Eng. EJ20G 1994 cc.	92									

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1983	3	Jimmy SJ30 4X4 Eng. LJ50 539 cc.	61	12911-84000	IN	4162	S/NT	31.5	7	110	EE	45°	
				12915-84000	EX	4163	R/NT	27.6	7	109.5	EE	45°	
1978	3	Alto - Carry - Cervo Fronte - SS40/41 ST40/41 Eng. F5A 543 cc.	62	12911-84000	IN	4162	S/NT	31.5	7	110	EE	45°	
				12915-84000	EX	4163	R/NT	27.6	7	109.5	EE	45°	
1978		Jimmy LJ 80/SJ 20 Eng. F8A 797 cc.	62	12911-84000	IN	4162	S/NT	31.5	7	110	EE	45°	
				12915-84000	EX	4163	R/NT	27.6	7	109.5	EE	45°	
1983 1985 1988	4	Jimmy SJ 40 1.0 Super Carry 1.0 Samurai 1.0 Eng. F10A 970 cc.	65.5	12911-82000	IN	4549	S/NT	36	7	115.5	EE	45°	
				12915-82000	EX	4550	R/NT	30	7	114.5	EE	45°	
1998	4	Wagon R 1.0 16V Eng. K10A 996 cc.	68	12911-73G00	IN	6216	S/NT	24.6	5.5	80.2	EE	45°	
				12911-73G01									
				12915-73G00	EX	6217	R/NT	21.5	5.5	81.3	EE	45°	
2004	4	Alto 1.1 Eng. RF410 1061 cc.		12911-M84400	IN	6445	S/NT	26.6	5.5	90.5	SS	45°	
				12911-M84420									
				12915-M84400	EX	6446	RNT	23.5	5.5	87.1	SS	45°	
1983	3	Swift Eng. G10A/B 993 cc.	74	12911-82000	IN	4549	S/NT	36	7	115.5	EE	45°	
				12915-82000	EX	4550	R/NT	30	7	114.5	EE	45°	
1984 1988	4	Jimmy SJ 413 1.3 Samurai 1.3 Eng. G13A 1325 cc.	74	12911-82000	IN	4549	S/NT	36	7	115.5	EE	45°	
				12915-82000	EX	4550	R/NT	30	7	114.5	EE	45°	
1987 1995 1999 1998 2000	4	Swift 1.3 GTI 16V Baleno 1.3 i 16V Eng. G13B/BB Carry 1.3 i 16V Jimmy 1.3 i 16V Wagon R + 1.3 i 16V Eng. G13BB 1299 cc.	74	12911-71C00	IN	6121	S/NT	29.2	5.5	92.2	EE	45°	
				12915-71C50	EX	6122	R/NT	25	5.5	79.8	EE	45°	
1989	4	Vitara Eng. G16A OHC 1590 cc.	75	12911-60A10	IN	4551	S/NT	36.5	7	116	EE	45°	
				12915-60A50	EX	4552	R/NT	32.5	7	114.5	EE	45°	
1989	4	Swift GTi 16V Eng. G13B 1298cc.	75	12911-86500	IN	4742	S/NT	29	5.5	105.3	EE	45°	
				12915-86500	EX	4743	R/NT	24.1	5.5	104.5	EE	45°	

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1995 1990	4	Baleno 1.6 i 16V Viatra 1.6 i 16V Gran Vitara 1.6 i 16V Eng. G16B 1590 cc.	75	12911-71C00 12915-71C50	IN EX	6121 6122	S/NT R/NT	29.2 25	5.5 5.5	92.2 79.8	EE EE	45° 45°
2000 2001	4	Ignis 1.3 16V Liana 1.3 16V Eng. M13A 1328 cc.	78	12911-69G00 12915-69G50	IN EX	6210 6211	S/NT R/NT	30 25	6 6	100.8 99	EE EE	45° 45°
2001	4	Liana 1.6 16V Eng. M16 1586 cc.	78	12911-54G00 12915-54G00 12915-54G50	IN EX	6212 6213	S/NT R/NT	30 25	5.5 5.5	101 99	EE EE	45° 45°
1994	4	Baleno 1.8 16V Eng. G18 1840 cc.	84	12911-86FA0 12911-86F50 12915-86F50	IN EX	6214 6215	S/NT R/NT	33 28	6 6	86.3 85.9	EE EE	45° 45°

SUZUKI DIESEL

2003	4	Wagon R+ 1.3 DDiS 16V Ignis 1.3 DDiS 16V Eng. Z13DT 16V 1248 cc.	69.6	12911-85E00 12915-85E00	IN EX	6304 6305	S/CR BM/CR	21.9 21.9	6 6	109.2 109.2	I I	45° 45°
2003	4	Jimny 1.5DDiS Eng. K9K 8V 1461 cc.	76	7701473184 7701473183	IN EX	6185 6186	S BM	33.5 29	6 6	100.95 100.75	I I	45° 45°
2004	4	Liana 1.4 DDiS 16V Eng. RB414D - 8HY 1398 cc.	73.7	12911-73J00 12915-73J00	IN EX	6395 6396	S/CR BM/CR	24.3 22.4	5.5 5.5	96.4 96.5	I I	45° 45°
2006	4	SX4 1.9 DDiS 4WD Eng. D19AA 1910 cc.	82		IN EX	4941 4943	BM/CR BM/CR	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
1995/98	4	Vitara 1.9 D Eng. XUD9A 1905 cc.	83	12911-86CA0 12911-66G00 12832-66G00 12915-86CA0 12915-66G00	IN EX	4883 3988	R/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
1998	4	Baleno 1.9 TD Vitara 1.9 TD Samurai 1.9 TD Eng. XUD9TE 1905 cc.	83	12911-86CA0 12911-66G00 12832-66G00 12915-86CA0 12915-66G00	IN EX	4883 3988	R/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°
2001	4	Vitara 2.0 HDI Eng. RHZ 1998 cc.	85		IN EX	6092 6093	S/CR BM/CR	35.6 33.8	6 6	107.1 107.1	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11115-60B11	G11280 G11281	IN/EX	32	5.5	11.07 11.12	G	C.I.-X-U
1115-69G00	G11304 G11305	IN/EX	40	6	11.07 11.10	G	L-X-U
115-85FA0-001	G11306 G11307	IN/EX	35	6	11.07 11.10	G	L-X
	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L-X
	GS11310	IN/EX	43	6.02	10.03	SM	L-X
	G11308 G11309	IN/EX	40.5	6	11.07 11.12	B	C.I.
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
7565472 46433782 46433783	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
	G11319 G11320	IN/EX	41.5	6	10.06 10.11	G	L
	GS11319	IN/EX	41.5	6	10.06	SM	L
	G11396 G11397	IN/EX	42.5	6	12.06 12.11	G	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
4152447	PI 03-102	M
	PI 06-0019	I
9638075480	PI 06-0019	I


 NOTE
remarks

SUZUKI

SUZUKI DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2002	4	Gran Vitara 2.0 TDI Eng. RHW 1997 cc.	85		IN EX	6161 6162	S/CR BM/CR	29.9	6	106.2	I	45°
								25	6	106.1	I	45°
1998	4	Gran Vitara 2.0 TD 1998 cc.	86	12911-78E00 12915-78E00	IN EX	6333 6334	S/NT R/NT	39.4	8	106.8	EE	30°
								35.1	8	106.7	EE	45°
1994	4	Vitara 2.0 TD Eng. RF 1998 cc.	86		IN EX	4390 4391	S/NT R/NT	41	8	107	EE	45°
								36	8	106.8	EE	45°

TATA DIESEL

2002	4	Indica 1.4 Eng. 475IDI 1405 cc.	75	279005125104 279005125105	IN EX	6498 6499	S/NT R/NT	36	7	109	E	45°
								30.5	7	109	E	45°
1997 1999	4	Sumo TD Safari TD Telcoline TD Eng. 483DL 1948 cc.	83	0948.59 0949.60	IN EX	4243 3988	S/CR R/CR	38.5	8	112.4	E	45°
								33	8	112	E	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1998	4	Yaris 1.0 Eng. 1SZFE 998 cc.	69	13711-23030	IN	6072	S/NT	26	5	88.2	E	45°
				13715-23030	EX	6073	R/NT	22.6	5	89.1	E	45°
2006	3	Aygo 1.0 i vvt Eng. 1KFRE 998 cc.	71		IN	6439	S/NT	27.5	5	88.5	SS	45°
					EX	6440	R/NT	23.6	5	89.1	SS	45°
1984	4	Starlet Eng. 1EL3 999 cc.	70.5	13712-10010	IN	4660	S/NT	20.9	6	98.6	E	45°
				13711-10020	IN	4664	S/NT	30	6	92.4	E	45°
				13715-10030	EX	4661	R/NT	31	6	92.3	E	45°
1985/91	4	Starlet - Corolla 12V Eng. 2EI-2E 1296 cc.	73									
1998	4	Yaris 1.3 i 16V Eng. 2NZ-FE 1299 cc.	73	13711-21010	IN	6074	S/NT	30.5	5	89.2	E	45°
				13715-21010	EX	6075	R/NT	25.5	5	87.9	E	45°
1999 2001 2000	4	Yaris Verso 1.5 i 16V Yaris 1.5 16V Primus 1.5 i 16V Eng. 1NZ-FE 1497 cc.	75									
1969/72	4	Publica - Starlet 1000 Eng. 2K 993 cc. Corolla - Publica Starlet 1200 1166 cc.	72	13711-24010	IN	3871	S	36	8	100	K	45°
			75	13715-24010	EX	3872	R/CR	29	8	100	K	45°
1974/77	4	Corolla 1200 HiLux LiteAce Publica 1200 Sprinter 1200 Starlet 1200 Eng. 3K 1166 cc.	75	13711-24011	IN	3873	S	36	8	100	M	45°
				13715-24012	EX	3874	R/CR	29	8	100	M	45°
1978	4	Corolla 1300 LiteAce Sprinter 1300 Starlet 1300 Eng. 4K 1290 cc.										

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11122-21010	G11364	IN/EX	34.5	5	9.74	G	L-X
11122-21010	G11364	IN/EX	34.5	5	9.74	G	L-X
11122-10040	G3499 G11190	IN/EX	40.5	6	11.04 11.09	G	L-X
	G11364	IN/EX	34.5	5	9.74	G	L-X
11122-24020	G2745 G3049	IN	46	8	13.06 13.11	G	L-X
11126-24020	G2746 G3050	EX	50	8	13.06 13.11	G	L-X-U

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I





 NOTE

NOTE remarks

TOYOTA





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1979	4	Corolla 1300 Corsa 1300 Tercel 1300 Eng. 2A 1295 cc.	76	13711-15010 13715-15010	IN EX	4518 4519	S/NT R/NT	36 31	7 7	106.7 106.7	M M	45° 45°
1978	4	Carina 1500 Corolla 1500 Corsa 1500 Sprinter 1500 Tercel 1500 Eng. 3A 1452 cc.	77.5									
2000	4	Corolla 1.4 Vti 16V Eng. 4ZZ-FE 1389 cc.	79	13711-OD020 13715-22040	IN EX	6070 6071	S/NT R/NT	31 26	5.5 5.5	88.7 88.7	E E	45° 45°
2000	4	Avensis 1.6 i 16V Corolla 1.6 i 16V Eng. 3ZZ-FE 1598 cc.	79	13711-OD020 13715-22040	IN EX	6070 6071	S/NT R/NT	31 26	5.5 5.5	88.7 88.7	E E	45° 45°
2000		Celica 1.8 i 16V VVT Avensis 1.8 i 16V Corolla 1.8 i 16V VVT Rav4 1.8 i 16V VVT MR2 1.8 i 16V VVT Eng. 1ZZ-FE Eng. 2ZZ-GE 1794 cc.	79	13711-OD020 13715-22040	IN EX	6070 6071	S/NT R/NT	31 26	5.5 5.5	88.7 88.7	E E	45° 45°
1970/79	4	Carina 1400 Corolla 1400 Celica 1400 Sprinter 1400 Eng. T 1407 cc.	80	13711-25011 13715-25011	IN EX	4530 4531	S/CR R/CR	41 36	8 8	109 109	M M	45° 45°
1970/76	4	Corona 1600 HiAce - HiLux ToyoAce - TownAce Eng. 12R 1587 cc.	80.5	13711-31030 13715-31030	IN EX	3875 3876	S R/CR	40 34	8 8	109 109	K K	45° 45°
1977	4	Corona 1600 HiAce - HiLux MarkII - ToyoAce TownAce Eng. 12R 1587 cc.	80.5	13711-31050 13715-31070	IN EX	3877 3878	S R/CR	40 34	8 8	109 109	EE EE	45° 45°
1983	4	Carina 1500 Eng. 5K 1486 cc.	80.5	13711-24011 13715-24012	IN EX	3873 3874	S R/CR	36 29	8 8	100 100	M M	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1987 1989 1990	4	Corolla Sedan Celica Corolla Wagon Eng. 4AF 1587 cc.	81	13711-15050 13715-15030	IN EX	4748 4749	S/NT R/NT	29.9 24.5	6 6	91.5 92	EE EE	45° 45°
1997/00 1997 1997/00	4	Avensis 1.6 i 16V Carina 1.6 i 16V Corolla 1.6 i 16V Eng. 4A-FE 1587 cc.	81	13711-02050 13715-16060	IN EX	6125 6124	S/NT R/NT	31 24.5	6 6	87.5 87.9	EE EE	45° 45
1997/00 1997 1997/00 1997/00	4	Avensis 1.8 i 16V Carina 1.8 i 16V Celica 1.8 i 16V Corolla 1.8 i 16V Eng. 7A-FE 1762 cc.	81	13711-02050 13715-16060	IN EX	6125 6124	S/NT R/NT	31 24.5	6 6	87.5 87.9	EE EE	45° 45
1980 1980	4 4	Corona 2000 Eng. 21 RU 1972 cc. Coaster Eng. 22 R 2366 cc.	84 92	13711-35010 13711-35030 13715-35020 13715-35030	IN EX	6020 6021	S/NT R/NT	45 37	8 8	113.3 112.4	M M	45° 45°

TOYOTA DIESEL

2001	4	Yaris 1.4D-4D Eng. 1ND-TV 1364 cc.	71	13711-33030 13715-33040	IN EX	6320 6321	S/NT R/NT	30.8 28	6 6	100 99.8	S S	45° 45°
2004	4	Corolla 1.4 D4-D Eng. 1ND-TV 1364 cc.	71	13711-33030 13715-33040	IN EX	6320 6321	S/NT R/NT	30.8 28	6 6	100 99.8	S S	45° 45°
2006	4	Aygo 1.4 D 1398 cc.	73.7		IN EX	6149 6150	S/CR BM/CR	32.8 30.2	5.5 5.5	97.5 97.5	I I	45° 45°
1999 1999 2001 2001	4	Avensis 2.0 D4-D 16V Corolla 2.0 D4-D 16V Previa 2.0 D4-D 16V Rav 4 2.0 D4-D 16V Eng. 10CD-FTV 1995 cc.	82.2	13711-27010 13715-27010	IN EX	6183 6184	R/NT R/NT	28 24	6 6	102.5 102	S S	45° 45°
1999	4	Corolla 1.9 D Eng. 1WZ 1868 cc.	82.2		IN EX	4243 4810	S/CR R/CR	38.5 33	8 8	112.4 112	E E	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1981/85	4	Camry1800 D	83	13711-64010	IN	4444	S/NT	38.5	8	106.5	EE	45°
		Corolla 1800 D		13715-64010	EX	4445	R/NT	32.5	8	106.5	EE	45°
1983/85	4	Corona 1800 D	86									
		TownAce 1800 D										
		Vista 1800 D										
		Eng. 1C										
		1974 cc.										
		TownAce 2000 D										
		Eng. 2C										
		1974 cc.										
1977/89	4	Hi-Ace 2.2 D	90	13711-54020	IN	6314	S/NT	42.4	8	103.3	S	45°
		Eng. L		13711-17010								
		2173 cc.		13714-54040	EX	6414	R/NT	36.1	8	103.3	S	45°
				13715-17010								
1978	4	Chaser 2200 D	90	13711-54010	IN	4399	S/NT	42.6	8.5	123	I	45°
		Cresta 2200 D		13715-54010	EX	4400	R/NT	35	8.5	122.8	I	45°
1983	4	Crown 2200 D	92									
		HiAce D - HiLux D										
		ToyoAce D										
		Eng. L										
		2188 cc.										
		Chaser 2400 D										
		Crown 2400 D										
		Mark II 2400 D										
		Eng. 2L										
		2446 cc.										
1990	4	4 Runner 2.4 TD	92	13711-54010	IN	4399	S/NT	42.6	8.5	123	I	45°
		Eng. 2LT		13715-54010	EX	4400	R/NT	35	8.5	122.8	I	45°
1985/95	4	Hi-Lux 2.4 D/TD	92									
		Land Cruiser 2.4 D/TD										
		Hi-Ace 2.4										
		Eng. 2L-2LT										
		Head wirh 3 supports										
		camshaft										
		2446 cc.										
1990	4	4 Runner 2.4 TD	92	13711-54020	IN	6314	S/NT	42.4	8	103.3	S	45°
		Hi-Lux 2.4 D/TD		13714-54040	EX	6414	R/NT	36.1	8	103.3	S	45°
1985/95	4	Land Cruiser 2.4 D/TD	92									
		Eng. 2L-2LT										
		Head wirh 5 supports										
		camshaft										
		2446 cc.										
1998	6	Land Cruiser 4.2 TDI 24V	94									
		Eng. 1HD-FTE										
		4164 cc.										
1972/80	4	Coaster - Dyna Route	95	13711-56010	IN	4665	S/NT	45	9	128	M	45°
		Eng. B		13715-56010	EX	4666	R/NT	37.5	9	127.9	M	45°
		2977 cc.										

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11126-24020	G2746 G3050	IN/EX	50	8	13.06 13.11	G	L-X-U
11122-68010	G11249 G11250	IN/EX	40	8.01	13.04 13.09	G	L-X
11122-54010 11126-54011	G3280 G3497	IN/EX	61	8.5	14.05 14.10	G	L-X
11122-54010 11126-54011	G3280 G3497	IN/EX	61	8.5	14.05 14.10	G	L-X
11122-68010	G11249 G11250	IN/EX	40	8.01	13.04 13.09	G	L-X
11122-17010	G11370	IN/EX	52.5	7	11.54	G	L-X
11122-56010	G11192 G11193	IN/EX	62	9	14.04 14.09	G	L

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 03-113	M

NOTE remarks

TOYOTA DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1980	4	Coaster Dyna D Landcruiser D ToyoAce D Eng. B 3168 cc.	95	13711-56030 13715-56030	IN EX	4667 4668	S/NT R/NT	45 37.5	9 9	128 127.7	E E	45° 45°
1977	4	Coaster Landcruiser D Eng. 2B 3168 cc.	98									
1988	4	Dyna 150 2.8 TD Eng. 3L 2778 cc.	96	13711-54020 13714-54040	IN EX	6314 6414	S/NT R/NT	42.4 36.1	8 8	103.3 103.3	S S	45° 45°
1993/96	4	4 Runner 3.0 TD Land Cruiser 3.0 TD Eng. 1KZ-T	96	13711-54020 13715-67020	IN EX	6314 6315	S/NT R/NT	42.4 37	8 8	103.3 103.5	S S	45° 45°
1996/01	4	Land Cruiser 3.0 TD Eng. 1KZ-TE 2982 cc.										
2000	4	Land Cruiser 90 16V Eng. 1KD-FTV 2982 cc.	96	13711-30030 13715-30030	IN EX	6316 6317	S/NT R/NT	32.2 27.7	6 6	105.4 105.4	S S	45° 45°
1983	4	TownAce Eng. 1Y 1626 cc. LiteAce - MasterAce Eng. 2Y 1812 cc. HiAce - HiLux MasterAce - TownAce Eng. 3Y 1998 cc.	86	13711-71010 13715-71010	IN EX	6025 6026	S/NT R/NT	40.1 36	8 8	108.3 108.6	EE EE	45° 45°
1984/89	4	Van - Wagon Eng. 4YEC USA 1998 cc.										
1997	4	Avensis - Rav4 2.0 16V Eng. 3S-FE 1998 cc.	86	13711-74101 13715-74100	IN EX	6126 6127	S/NT R/NT	32 27	6 6	97.5 98.5	EE EE	45° 45°
1997/00	4	Avensis 2.0 i 16V Eng. 3S-FE Japanese production 1998 cc.	86	13711-15090 13715-16060	IN EX	6123 6124	S/NT R/NT	31 24.5	6 6	87.5 87.9	EE EE	45° 45
2000	4	Rav4 2.0 16V Avensis Verso 2.0 16V Eng. 1AZFE 1998 cc.	86	13711-28010 13715-28010	IN EX	6294 6295	S/NT R/NT	33.9 29.5	5.5 5.5	101.7 101.1	EE EE	45° 45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1996/99	4	Polo 1.0 i Lupo 1.0 i Eng. AER - ALL 999 cc.	67.1	030 109 601AG	IN	4964	S	31	7	94.8	I	45°	
				030 109 611N	EX	4965	R	26	7	94.4	I	45°	
1998 1999/02	4	Lupo 1.0 i Polo 1.0 i Eng. ALD - AUC - ANV 999 cc.	67.1	030 109 601AK	IN	6351	S	31	6	99	I	45°	
				030 109 611S	EX	6352	R	26	6	98.9	I	45°	
1975/79 1977/79	4	Polo GL - L	69.5	052 109 601	IN	3477	S	31.5	8	104	EE	45°	
		Derby GL - L		052 109 611	EX	3478	R	28	8	104	EE	45°	
		895 cc.											
1974/79 1975/79 1975/84 1977/79		Golf GL - L - Formel E Polo GLS - LS - S Scirocco GL - L Derby GLS - LS - S 1093 cc.											
1979	4	Polo GL - L Derby GL - L 895 cc. Golf GL - L - Formel E Polo GLS - LS - S Derby GLS - LS - S 1093 cc.	69.5	036 109 601	IN	3654	S	34	8	104	EE	45°	
				052 109 611	EX	3478	R	28	8	104	EE	45°	
1994	4	Derby C - CL - GL Golf GL - CL Formel E Polo GL - CL Formel E Scirocco C - GL - CL 1093 cc.	69.5	036 109 601B	IN	3763	S	34	8	104	I	45°	
				036 109 601C	IN	3726	S	31.5	8	104	I	45°	
				052 109 611A	EX	3727	R	28	8	104	I	45°	
09/98-05/00	4	Lupo 1.0 i Eng. AHT 997 cc.	72	047 109 601B	IN	6349	S	31.5	7	103.6	I	45°	
				047 109 611B	EX	6350	R/CR	27	7	103.7	I	45°	
10.90/91 10.90/92 1985/94	4	Golf 1050 Polo 1.0 Polo 1.0 i Eng. HZ-AAK-ACM 1043 cc.	75	030 109 601D/F	IN	4645	S/CR	36	8	99.3	I	45°	
				030 109 601E	IN	4646	S/CR	32	8	99.3	I	45°	
				030 109 611A	EX	4367	R - BM/AR	28.9	8	99.1	I	45°	
1989/07-94	4	Polo 1.0 i Eng. AAU Up to chassi n.80-NW-500000 1043 cc.	75	030 109 601E	IN	4646	S/CR	32	8	99.3	I	45°	
				030 109 611A	EX	4367	R - BM/AR	28.9	8	99.1	I	45°	

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
08-94	4	Polo 1.0 i Eng. AAU From chassi n.80-NW-50001 1043 cc.	75	030 109 601M/N 030 109 611D	IN EX	4886 4803	S R	32	7	99.2	I	45°
								29	7	99.2	I	45°
1994/96	4	Polo 1.0 i Eng. AEV 1043 cc.	75	030 109 601M/N 030 109 611D	IN EX	4886 4803	S R	32 29	7 7	99.2 99.2	I I	45° 45°
1981	4	Derby C - CL - GL Polo C - CL - GL 1050 cc.	75	036 109 601A 036 109 611	IN EX	3976 3977	S R	34	8	110.5	I	45°
								28	8	110.5	I	45°
1977/79 1978/79	4	Derby LS - GLS Polo LS - GLS 1272 cc.	75	052 109 601 052 109 611	IN EX	3477 3478	S R	31.5 28	8 8	104 104	EE EE	45° 45°
1979/81	4	Derby LS - GLS Golf L - LS - GL - GLS Jetta L - LS - GL - GLS Passat L - GL Polo LS - GLS Scirocco L - GL - GT 1272 cc.	75	036 109 601 052 109 611	IN EX	3654 3478	S R	34	8	104	EE	45°
								28	8	104	EE	45°
1981	4	Derby LS - GLS Golf L - LS - GL - GLS Jetta L - LS - GL - GLS Passat L - GL Polo LS - GLS Scirocco L - GL - GT 1272 cc.	75	036 109 601B 052 109 611A	IN EX	3763 3727	S R	34	8	104	I	45°
								28	8	104	I	45°
1983	4	Derby C - CL - GL Golf C - CL-GL Formel E Polo C - CL - GL Polo GT Coupé 1272 cc.	75	036 109 601A 036 109 611	IN EX	3976 3977	S R	34	8	110.5	I	45°
								28	8	110.5	I	45°
1983	4	Jetta C - CL - GL Passat C - L 1297 cc.	75	049 109 601F 049 109 611F	IN EX	3728 3729	S R	34	8	98.7	I	45°
								31	8	98.5	I	45°
1985 1985/87	4	Golf CL - GL Jetta CL -GL Polo C 1043 cc. Golf CL - GL Jetta CL -GL Polo C - CL - GL - GT 1272 cc.	75	030 109 601C 030 109 611A	IN EX	4368 4367	S R - BM/AR	36	8	98.9	I	45°
								28.9	8	99	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
049103419	G3061 G3062	IN/EX	42.3	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
049103419	G3061 G3062	IN/EX	42.3	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049103419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
	PI 06-0001	I
034109309N	PI 06-0001	I



NOTE remarks

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1973/78	4	Pssat L - N - GL 1272 cc.	75	056 109 601A	IN	3536	S	34	8	98.7	EE	45°
1974/75		Scirocco	76.5	056 109 601C								
		Golf S - LS - GL		056 109 611A	EX	3537	R	31	8	98.5	EE	45°
1973/75		Passat GL - LS - S - TS										
		Scirocco GL - LS - TS										
		1471 cc.										
1989/94	4	Polo 1.3 i	75	030 109 601D/F	IN	4645	S/CR	36	8	99.3	I	45°
		Eng. 2G-3F-NZ-AAV		030 109 611A	EX	4367	R - BM/AR	28.9	8	99.1	I	45°
		Until chassi n.80-NW-500000										
		1272 cc.										
1989/94	4	Polo 1.3 i		030 109 601L	IN	4802	S	36	7	99.3	I	45°
		Eng. 2G-3F-NZ-AAV		030 109 611D	EX	4803	R	29	7	99.2	I	45°
		From chassi n.80-NW-50001										
		1272 cc.										
1991/07-94	4	Golf 1.4 i	75	030 109 601D/F	IN	4645	S/CR	36	8	99.3	I	45°
1992/07-94		Vento 1.4 i		030 109 601E	IN	4646	S/CR	32	8	99.3	I	45°
		Eng. ABD		030 109 611A	EX	4367	R - BM/AR	28.9	8	99.1	I	45°
		1390 cc.										
08-94/99	4	Golf 1.4 i	75	030 109 601L	IN	4802	S	36	7	99.3	I	45°
08-94/99		Vento 1.4 i		030 109 601J	IN	4873	S	34	7	99	I	45°
		Eng. ABD		030 109 611D	EX	4803	R	29	7	99.2	I	45°
		1390 cc.										
2002	3	Polo 1.2 i	76.5	032 109 601L	IN	6452	S	34.5	6	100.9	I	45°
		Eng. AWY-BMD		036 109 611K	EX	6014	BM	26	6	100.57	I	45°
		1198 cc.										
2002	3	Polo 1.2 i 12V	76.5	036 109 601AD	IN	6205	S	29.5	6	100.9	I	45°
		Eng. AZQ-BME		036 109 611K	EX	6014	BM	26	6	100.57	I	45°
		1198 cc.										
1994/99	4	Polo 1.4 i	76.5	030 109 601AH	IN	4952	S	35.6	7	94.8	I	45°
1993/99	4	Golf 1.4 i		032 109 611G	EX	4805	R	29	7	95	I	45°
1997	4	Caddy 1.4 i										
1995/97	4	Vento 1.4 i										
		Eng. AEX - AKV - AEF										
		Eng. APQ										
		1390 cc.										
1996	4	Polo 1.4 16V	76.5	036 109 601P	IN	4966	S	29.5	6	98	I	45°
		Eng. AFH		036 109 611L	EX	4967	R	26	6	97.2	I	45°
		1390 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
030103419A	G11194 G11195	IN/EX	36.5	6.98	11.07 11.12	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.





**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
	PI 06-0008	I
	PI 06-0008	I
	PI 06-0001	I


**NOTE
remarks**
VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.						
								D	d	L				
1998	4	Lupo 1.4 i 16V	76.5	036 109 601S	IN	6013	S	29.5	6	100.9	I	45°		
1997		Golf 1.4 i 16V		036 109 611K	EX	6014	BM	26	6	100.57	I	45°		
1998		Bora 1.4 i 16V												
		Eng. AHW-AKQ-AUA												
		Eng. AUB-BBY												
2000/04		Caddy 1.4 i 16V												
	Eng. AUA													
1998	Polo 1.4 i 16V													
	Eng. AFK-AHW-AQQ-													
	AUA-AUB													
2001	Polo 1.4 i 16V													
	Eng. AXU-BBY-BBZ-BKY													
	1390 cc.													
1995/04	4	Caddy 1.4 i 16V	76.5	030 109 601AL	IN	6197	S	33.5	6	99.2	I	45°		
1995/01		Polo 1.4 i 16V		030 109 611T	EX	6198	BM	28	6	99.2	I	45°		
2000		Lupo 1.4 i 16V												
	Eng. AUD - AKK - AKP													
	1390 cc.													
2003	4	Golf 1.4 16V FSI	76.5	036 109 601AD	IN	6205	S	29.5	6	100.9	I	45°		
		Eng. BKG		036 109 611K	EX	6014	BM	26	6	100.57	I	45°		
	1390 cc.													
1994	4	Polo 1.6 i	76.5	032 109 601G	IN	4804	S	34.6	7	94.8	I	45°		
1994/97		Vento 1.6 i		030 109 601AH	IN	4952	S	35.6	7	94.8	I	45°		
1994/97		Golf 1.6 i		032 109 611G	EX	4805	R	29	7	95	I	45°		
	Eng. AEA-ABU-AEE-AHS													
	1598 cc.													
1995	4	Caddy 1.6	76.5	048 109 601E	IN	6451	S	38	7	91.8	I	45°		
		Eng. 1F		048 109 611B	EX	4807	R	32.9	7	91.2	I	45°		
	1598 cc.													
1995	4	Caddy 1.6 i	76.5	032 109 601G	IN	4804	S	34.6	7	94.8	I	45°		
		Eng. AEE		030 109 601AH	IN	4952	S	35.6	7	94.8	I	45°		
		1598 cc.		032 109 611G	EX	4805	R	29	7	95	I	45°		
1998		Polo 1.6 i 16V	76.5	036 109 601S	IN	6013	S	29.5	6	100.9	I	45°		
	Eng. ARC-AJV			036 109 611K	EX	6014	BM	26	6	100.57	I	45°		
	1598 cc.													
1999	4	Golf 1.6 i 16V	76.5	036 109 601AD	IN	6205	S	29.5	6	100.9	I	45°		
1999		Bora 1.6 i 16V		036 109 611K	EX	6014	BM	26	6	100.57	I	45°		
	Eng. ATN-AUS-AZD													
	1598 cc.													
2002	4	Golf 1.6 FSI 16V	76.5	036 109 601AD	IN	6205	S	29.5	6	100.9	I	45°		
2003		Bora 1.6 FSI 16V		036 109 611K	EX	6014	BM	26	6	100.57	I	45°		
	Eng. BAD													
	1598 cc.													

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
032103418A	G11198 G11199	IN/EX	33	7	11.07 11.12	B	C.I.
051103419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
032103419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0008	I
059109521C	PI 06-0008	I
	PI 06-0008	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
059109521C	PI 06-0008	I
	PI 06-0008	I
	PI 06-0008	I


 NOTE
remarks

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2003 2005 2003 2005	4	Golf 1.6 FSI 16V Passat 1.6 FSI 16V Touran 1.6 FSI 16V Jetta 1.6 FSI 16V Eng. BAG-BLF-BLP 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	6205 6014	S BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
1960	4	1200 - 1200A 113 - 117 - 141 - 151 Transporter 211 1192 cc.	77	113 109 601A 113 109 612 113109611C/D	IN EX	1228 1229	S R	31.5 30	8 8	112 112	I I	45° 45°
1965/75	4	1300 40 HP 1285 cc.	77	116 109 601D 113 109 612 113 109 611C/D	IN EX	3100 1229	S R	33 30	8 8	112 112	I I	45° 45°
1972	4	1300 L - 1302 - 1303 L 1285 cc.	77	311 109 601 311 109 612 311 109 612A	IN EX	1417 3006	S R/CR	35.5 32	8 8	112 112	I I	45° 45°
1974	4	1200 - 1200L - 1303 1285 cc.	77	311 109 601 043 106 611 043 109 611A	IN EX	1417 3544	S R	35.5 30	8 9	112 112	I I	45° 45°
1974/81 1975/80	4	Golf GLS - LS - S Scirocco GL - GT - LS 1457 cc. Passat GLS - LS - S Scirocco GL - GT - LS 1588 cc.	79.5	056 109 601A 056 109 601C 056 109 611A	IN EX	3536 3537	S R	34 31	8 8	98.7 98.5	EE EE	45° 45°
1981	4	Golf C - CL - GL Jetta C - CL - GL - GLS Scirocco GL - GLS - GT Passat CL-GL-Formel E Passat Variant 1457 cc.	79.5	049 109 601F 049 109 611F	IN EX	3728 3729	S R	34 31	8 8	98.7 98.5	I I	45° 45°
1975/82	4	Golf GLI - GTI Jetta GLI - GTI Scirocco GLI - GTI 1588 cc.	79.5	049 109 601A 049 109 611A	IN EX	3611 3612	XB R/AR	38 31	8 8	105.5 105.5	EE EE	45° 45°
1981	5	Passat CL5 - GL5 Santana CL5 - GL5 1921 cc.	79.5	035 109 601C 035 109 611F	IN EX	4111 4202	S R/CR - BM/AR/CR	38 33	8 8	98.5 98.5	I I	45° 45°
08-95/92 08-95/91 1985/88 08-95/91 08-95/92	4	Golf 1.6 Jetta 1.6 Passat 1.6 Scirocco 1.6 Caddy 1.6 Eng. EW-EZ-HM-HN Eng. RF-RL 1595 cc.	81	035 109 601K 048 109 611 A	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
113101401	G2650 G2651	IN	64.5	8	12.06 12.11	B	L
113101415	G2654 G2655	EX	64.5	8	12.06 12.11	B	L-U
113101401	G2650 G2651	IN	64.5	8	12.06 12.11	B	L
113101415	G2654 G2655	EX	64.5	8	12.06 12.11	B	L-U
021101403	G2669	IN	58	8	12.06	B	L
021101417	G2671	EX	64	8.97	13.06	B	L-U
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049103419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049103419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
049103419	G3061 G3062	IN/EX	42.3	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0008	I
034109309N	PI 06-0001	I


NOTE
remarks

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1987/88		Passat 1.6 Eng. PP 1595 cc.	81	035 109 601K 048 109 611 A	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1988/92	4	Passat 1.6 Eng. EZ 1595 cc.	81	035 109 601K 053 109 611	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1994/95 1994 1994/98	4	Passat 1.6 i Vento 1.6 i Golf 1.6 i Eng. AEK Until eng. N. 000813 1595 cc.	81	048 109 601 A 048 109 611 A	IN EX	4643 4642	S/CR BM/AR/CR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1994/95 1994/98	4	Passat 1.6 i Vento 1.6 i Golf 1.6 i Eng. AEK From eng. N. 000814 1595 cc.	81	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1994 1996 1996 1998 1995	4	Passat 1.6 i Vento 1.6 i Golf 1.6 i Bora 1.6 i Polo 1.6 i Eng. AEH-AKL-APF Eng. ADP-AHL-ARM-AFT 1595 cc.	81	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1998	4	New Beetle 1.6i 8V Eng. AWH-APF 1595 cc.	81	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1984	4	Golf C - CL - GL Jetta C - CL - GL Passat C - CL - GL Santana CX - GX - LX Scirocco GT - GTL 1595 cc. Passat CL - Santana LX 1781 cc.	81	035 109 601C 035 109 611F	IN EX	4111 4202	S R/CR - BM/AR/CR	38 33	8 8	98.5 98.5	I I	45° 45°
2000 2000	4	Passat 1.6 Eng. ALZ New Beetle 1.6 i Eng. AYD 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	6155 6156	S BM	39.4 33	6 6	94 94	I I	45° 45°
2003 2000 2000 2004	4	Touran 1.6 i Golf 1.6 i Bora 1.6 i Caddy 1.6 i Eng. AVU-BGU 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	6155 6156	S BM	39.4 33	6 6	94 94	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
022109423A	PI 06-0019	I
022109423A	PI 06-0019	I


NOTE
remarks

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1983/84 1983	4	Golf GLI - GTI Scirocco GLI - GTI Eng. DZ 1781 cc.	81	026 109 601 035 109 611F	IN EX	4201 4202	XB/CR R/CR - BM/AR/CR	40 33	8 8	98.5 98.5	I I	45° 45°
1985	4	Golf - Jetta - Passat 1595 cc. Golf CI - GLI Jatta - Passat - Scirocco 1781 cc.	81	035 109 601H 026 109 611A	IN EX	4115 4116	S R	38 33.1	8 8	91 91	I I	45° 45°
1985/91 08.82/92 1987/91 1984/88	4 4	Golf 1.8 i Jetta 1.8 i Eng. RV-PF-RD Golf 1.8 i Eng. GZ-KT-DX-EV Golf 1.8 i Jetta 1.8 i Eng. PB 1781 cc.	81	026 109 601C 053 109 611	IN EX	4521 4642	R BM/AR/CR	40 33.2	8 8	91 91.2	I I	45° 45°
1986/91 1986/91 1988/89 1989/92 1986/91	4	Golf 1.8 i 16V Jetta 1.8 GTI 16V Passat 1.8 i 16V Corrado 1.8 i 16V Scirocco 1.8 i 16V Eng. PL - KR 1781 cc.	81	027 109 601C 027 109 611D	IN EX	4294 4295	R BM/AR/CR	32 28	7 7	95.5 98	EE EE	45° 45°
1988 1986 1995 1985	 5	Golf CL - GT Syncro Jetta CL - GT Syncro Passat CL - GL Eng. PN - RF 1781 cc. Passat 1994 cc. Passat GT Syncro Eng. HY-KV 2226 cc.	81	035 109 601H 053 109 611	IN EX	4115 4642	S BM/AR/CR	38 33.2	8 8	91 91.2	I I	45° 45°
1991/92	4	Golf 1.8 i Eng. ABN 1781 cc.	81	035 109 601K 053 109 611	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1991/94	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i Eng. ABS 1781 cc.	81	035 109 601K 053 109 611	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
049103419	G3061 G3062	IN/EX	42.3	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049103419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665	IN	36.5	8	12.06 12.11	B	C.I.-F
027103419	G3288 G3289	IN/EX	38	7	12.06 12.11	B	C.I.
056103419A	G2664 G2665 G2666 G2661*	IN/EX IN/EX	36.5 36.5	8 8	12.06 12.11 12.16 12.06	B B	C.I.-F
056103419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I






NOTE
remarks

	VOLKSWAGEN

* G2661
SPECIAL
VERSION

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1991/94 1990/94 1991/94	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i Eng. AAM Up to eng. N. 408197 1781 cc.	81	035 109 601K 053 109 611	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1994/97 1994/97 1994/98	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i Eng. AAM From eng. N. 408198 1781 cc.	81	048 109 601E 048 109 611B	IN EX	6451 4807	S R	38 32.9	7 7	91.8 91.2	I I	45° 45°
1994/98 1994/98 1994/98	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i Eng. ADZ Up to eng. N. 001108 1781 cc.	81	035 109 601K 053 109 611	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1994/98 1994/98 1994/98	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i Eng. ADZ From eng. N. 001109 1781 cc.	81	048 109 601E 048 109 611B	IN EX	6451 4807	S R	38 32.9	7 7	91.8 91.2	I I	45° 45°
1997	4	Polo 1.8 Eng. ADZ 1781 cc.	81	048 109 601E 048 109 611B	IN EX	6451 4807	S R	38 32.9	7 7	91.8 91.2	I I	45° 45°
1998 1997 1999 1997	4	Bora 1.8 i 20V Golf 1.8 i 20V Eng. AGN Passat 18 i 20V Eng. APT 1781 cc. Passat 18 i 20V Eng. AFY 1984 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
2000 1997	4	Bora 1.8 i Turbo 20V Golf 1.8 i Turbo 20V Eng. ARX-AUM 1781 cc.	81	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1997 1999 1996 1996	4	Golf 1.8 i Turbo 20V New Beetle 1.8 i T 20V Passat 1.8 i Turbo 20V Sharan 1.8 i Turbo 20V Eng. AGU-AQA-AVC Eng. AEB-APU-AWT-AJH 1781 cc.		058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.9 103.9	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
051103419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
051103419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
051103419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I






NOTE remarks
*4853 Retainer stem end 3.40 mm
*4853 Retainer stem end 3.40 mm
*6189 Retainer stem end 5.00 mm

VOLKSWAGEN




VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1990/92	4	Transporter 1.8 Eng. PD 1781 cc.	81	035 109 601K 048 109 611A	IN EX	4641 4642	S/CR BM/AR/CR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1990/98	4	Transporter 2.0 i Eng. AAC 1968 cc.	81	048 109601A 053 109 611	IN EX	4643 4642	S/CR BM/AR/CR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1990	5	Transporter 2.5 i Eng. AAF-ACU-AEN-AEU Eng. AET 2459 cc.	81	048 109601A 053 109 611	IN EX	4643 4642	S/CR BM/AR/CR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1996	5	Transporter 2.5 i Eng. AVT 2461 cc.	81	048 109601A 053 109 611	IN EX	4643 4642	S/CR BM/AR/CR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1992/98	6	Golf GTI VR6 Vento GL/GT VR6 Passat GL/GT VR6 2792 cc.	81									
1994	6	Golf GTI VR6 Syncro Eng. ABV 2861 cc.	82									
1988/93 1991/95 1989/91 1989/92	4	Passat 2.0 i 16V Corrado 2.0 i 16V Golf 2.0 i 16V Jetta 2.0 i 16V Eng. 9A 1984	82.5	027 109 601C 027 109 611D	IN EX	4294 4295	R BM/AR/CR	32 28	7 7	95.5 98	EE EE	45° 45°
1992/97 1994/97 1996	4	Golf 2.0 i 16V Passat 2.0 i 16V Sharan 2.0 i 16V Eng. ABF 1984 cc.	82.5	051 109 601B 051 109 611B	IN EX	4808 4809	S R	32 27	7 7	95.5 98	I I	45° 45°
1993/95 1994 1994 1994/97	4	Corrado 2.0 i Eng. 2E Vento 2.0 i Golf 2.0 i Passat 2.0 i Eng. AGG 1984 cc.	82.5	037 109 601 037 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1993/94 1990/94 1990/94 1993/94	4	Corrado 2.0 i Golf 2.0 i Passat 2.0 i Vento 2.0 i Eng. ADY Up to eng. N. 000778 1984 cc.	82.5	048 109 601A 048 109 611A	IN EX	4643 4642	S/CR BM/AR/CR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1994/95 1994/96 1994/97 1994/95	4	Corrado 2.0 i Golf 2.0 i Passat 2.0 i Vento 2.0 i Eng. ADY From eng. N. 000779 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1991/94 1990/94 1992/94	4	Golf 2.0 i Passat 2.0 i Vento 2.0 i Eng. 2E Up to eng. N. 565664 1984 cc.	82.5	048 109 601A 048 109 611A	IN EX	4643 4642	S/CR BM/AR/CR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1994 1994	4	Golf 2.0 i Passat 2.0 i Vento 2.0 i Eng. 2E From eng. N. 565665 1984 cc.	82.5	037 109 601 037 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1995	4	Sharan Eng. ADY 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1995/96 1995/97 1995/97	4	Passat 2.0 i Vento 2.0 i Golf 2.0 i Eng. AEP 1984 cc.	82.5	078 109 601A 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1998 1998 1998	4	Bora 2.0 i Golf 2.0 i New Beetle 2.0 i Eng. APK-AQY 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
2000	4	Passat 2.0 i Eng. AZM 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	4806 4807	S R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
2004 2003	4	Golf 2.0 FSI 16V Touran 2.0 FSI 16V Eng. AXW-BLX-BLY-BLR 1984 cc.	82.5	06D 109 601K 06D 109 611L	IN EX	6206 6207	S BM/CR	34 28	6 6	104 102	I I	45° 45°
2005 2005	4	Passat 2.0 FSI 16V Jetta 2.0 FSI 16V Eng. BLX-BLY-BLR 1984 cc.	82.5	06D 109 601K 06D 109 611L	IN EX	6206 6207	S BM/CR	34 28	6 6	104 102	I I	45° 45°
1994	V6	Passat 2.8 i V6 30V Eng. AGE-ACK-ALG-AHA Eng. APR-AQD 2771 cc.	82.5	058 109 601C 058 109 611E	IN EX	4852 6189*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.9 103.9	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0019	I
	PI 06-0019	I






NOTE
remarks

VOLKSWAGEN

*6189 Retainer
stem end 5.00 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2000	V6	Passat 2.8 V6 30V Eng. BBG-AMX 2771 cc.	82.5	058 109 601C 058 109 611M	IN EX	4852 4853*	S/AR/CR BM/AR/CR	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1963/75	4	1500 - 1600 Transporter 1493 cc.	85.5	311 109 601 311 109 612 311 109 612A	IN	1417	S	35.5	8	112	I	45°
1970	1300 L - LS 1302 S 1303 L - S 1584 cc.	EX			3006	R/CR	32	8	112	I	45°	
1973/74	4	Bus - Transporter 1584 cc.	85.5	311 109 601 043 109 612	IN EX	1417 4494	S R/CR	35.5 32	8 9	112 112	I I	45° 45°
1974	4	1303 L - LS	85.5	311 109 601 043 106 611 043 109 611A	IN	1417	S	35.5	8	112	I	45°
1974/80	Transporter 1584 cc.	EX			3544	R	30	9	112	I	45°	
1975	4	LT 28 - 31 - 35 1984 cc.	86.5	046 109 601C 046 109 611A	IN	4502	S/CR	38	9	137	EE	45°
		EX			4503	R/CR	33	9	137	EE	45°	
1969/73	4	411 E - 412 E 1679 cc.	90	021 109 601 021 109 612 022 109 612D 022 109 612E	IN EX	3407 3489	S R/CR	39 33	8 9	117 117	I I	30° 45°
1974		Bus - Transporter 1795 cc.	93									
1975/80		Bus - Transporter 1971 cc.	94									
1983	4	Transporter 1900 Eng. DF - EY 1913 cc.	94	025 109 601A/B	IN	4207	S	35.5	8	122.4	I	45°
				025 109 612B	EX	4208	R/CR	30	8.9	122.7	I	45°
1985	4	Transporter 2100 2109 cc.	94	025 109 601	IN	4209	S	40	8	122	I	45°
				025 109 612A	EX	4210	R/CR	34	8.9	122.7	I	45°

VOLKSWAGEN DIESEL

1985/90	4	Polo D Polo C - CL Eng. MN 1272 cc.	75	030 109 601	IN	4366	S	34	8	99.1	I	45°
				030 109 611A	EX	4367	R - BM/AR	28.9	8	99.1	I	45°
1990/94		Polo CL - GT 1398 cc.										
1976/80	4	Golf D - LD - GLD Passat LD - GLD 1471 cc.	76.5	068 109 601	IN	3564	S	34	8	105	EE	45°
				068 109 611	EX	3565	R	31	8	104.6	EE	45°
1980		Golf D - LD - GLD Jetta D - GLD - LD Passat D - GLD - LD Transporter 1.6 D 1588 cc.										

**GUIDAVALVOLE
VALVE GUIDES**

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058103415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
113101401	G2650 G2651	IN	64.5	8	12.06 12.11	B	L
113101415	G2654 G2655	EX	64.5	8	12.06 12.11	B	L-U
021101403	G2669	IN	58	8	12.06	B	L
021101417	G2671	EX	64	8.97	13.06	B	L-U
021101403	G2669	IN	58	8	12.06	B	L
021101417	G2671	EX	64	8.97	13.06	B	L-U
021101403	G2669	IN	58	8	12.06	B	L
021101417	G2671	EX	64	8.97	13.06	B	L-U
056103419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049103419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I

NOTE remarks
*4853 Retainer stem end 3.40 mm

VOLKSWAGEN
VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1981/82	4	Golf 1.6 D Jetta 1.6 D Passat 1.6 D	76.5	068 109 601C	IN	3646	S	34	8	105	I	45°
1981/88		Santana 1.6 D		068 109 611C	EX	3647	R	31.2	8	104.5	I	45°
1982/07-85		Caddy 1.6 D Eng. CR-JK-JP 1588 cc.										
08-81/1987	4	Transporter 1.6 D Eng. CS 1588 cc.	76.5	068 109 601C	IN	3646	S	34	8	105	I	45°
				068 109 611C	EX	3647	R	31.2	8	104.5	I	45°
1982/85	4	Golf 1.6 TD Jetta 1.6 TD Passat 1.6 TD	76.5	068 109 601D	IN	4199	BM/CR	34	8	104.8	I	45°
1981/84		Santana 1.6 TD		068 109 611D	EX	4200	BM/CR	31.2	8	104.7	I	45°
1984/92		Eng. CY-JR Transporter 1.6 TD Eng. JX 1588 cc.										
1985/86	4	Golf GTD Jetta GTD Passat GTD Santana GTD 1588 cc.	76.5	068 109 601M	IN	4296	BM/AR	34	8	95	I	45°
				068 109 611M	EX	4297	BM/AR	31.2	8	95	I	45°
1986	4	Golf GTD Jetta GTD Passat GTD Santana GTD	76.5	069 109 601N	IN	4296	BM/AR	34	8	95	I	45°
1989		Golf CL - GL Jetta C - CL - GL Passat C - CL - GL		069 109 611L	EX	4484	BM/AR/CR	31.2	8	95.5	I	45°
1991		Passat C - CL - GTD Eng. JP - ME - JR - RA 1588 cc.										
1978/81	6	LT28D - 31D - 35D LT 45D - 50D Eng. CP 2383 cc.	76.5	069 109 601	IN	3641	S/CR	36	8	105	EE	45°
				068 109 611	EX	3565	R	31	8	104.5	EE	45°
08.81/82	6	LT28D - 31D - 35D LT 45D - 50D Eng. CP 2383 cc.	76.5	069 109 601D	IN	3662	S	36	8	105	I	45°
				068 109 611C	EX	3647	R	31	8	104.5	I	45°
82/7.89	6	LT 28-55 2.4 D Eng. DW 2383 cc.	76.5	069 109 601D	IN	3662	S	36	8	105	I	45°
				068 109 611C	EX	3647	R	31	8	104.5	I	45°
08.89/92	6	LT28 - 31 - 35 - 45 - 50 LT40 - 45 4X4 Eng. DW 2383 cc.	76.5	069 109 601F	IN	4483	S/CR	36	8	95.5	I	45°
				068 109 611L/M	EX	4484	BM/AR/CR	31.2	8	95.5	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1988/95	6	LT 28-55 2.4 D Eng. 1S-ACT 2383 cc.	76.5	069 109 601F 068 109 611L/M	IN EX	4483 4484	S/CR BM/AR/CR	36 31.2	8 8	95.5 95.5	I I	45° 45°
8.89/92 1992/95	6	LT 28-55 2.4 TD Eng. 1G LT 28-55 2.4 TD Eng. ACL 2383 cc.	76.5	069 109 601H 068 109 611M	IN EX	4899 4297	BM/AR/CR BM/AR	36 31.2	8 8	95.5 95	I I	45° 45°
1982/86	6	LT 28-55 2.4 TD Eng. DV 2383 cc.	76.5	069 109 601D 068 109 611C	IN EX	3662 3647	S R	36 31	8 8	105 104.5	I I	45° 45°
1989/92	6	LT 28-55 2.4 TD Eng. DV 2383 cc.	76.5	069 109 601F 068 109 611L/M	IN EX	4483 4484	S/CR BM/AR/CR	36 31.2	8 8	95.5 95.5	I I	45° 45°
1999	3	Lupo 1.2 TDI Eng. ANY-AYZ 1191 cc.	76.5	045 109 601 045 109 611	IN EX	6389 6390	S R	36 31.5	7 7	89.6 89.6	I I	45° 45°
1998	V6	Passat 2.5 V6 TDI Eng. AFB - AKN 2496 cc.	78.3	059 109 601B 059 109 611B	IN EX	6085* 6086*	S/CR BM/AR/CR	27 24	6 6	100.5 100.5	I I	45° 45°
2003	V6	Passat TDI 2.5 V6 24V Eng. BAU-BDH-BDG 2496 cc.	78.3	059 109 601F 059 109 611F	IN EX	6453* 6454*	S/CR BM/AR/CR	27.2 24.1	6 6	100.6 100.7	I I	45° 45°
1999	4	Lupo 1.4 TDI Polo 1.4 TDI Eng. AMF-BAY 1422 cc.	79.5	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°
1984/-87	4	Transporter 1.7 D Eng. KY 1715 cc.	79.5	068 109 601C 068 109 611D	IN EX	3646 4200	S BM/CR	34 31.2	8 8	105 104.7	I I	45° 45°
08-87/1992	4	Transporter 1.7 D Eng. KY 1715 cc.	79.5	068 109 601D 068 109 611D	IN EX	4199 4200	BM/CR BM/CR	34 31.2	8 8	104.8 104.7	I I	45° 45°
1997 1996	4	Polo 1.7 SDI Caddy 1.7 SDI Eng. AHG-AKU-AKW Eng. AHB 1716 cc.	79.5	028 109 601J 028 109 611K	IN EX	4946 4947	S R	36 31.5	7 7	96.5 96.5	I I	45° 45°
1991 1993	4	Golf CL - GL Vento CL - GL Passat CL - GL Eng. 1Y 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	4483 4640	S/CR BM/AR/CR	36 31.2	8 8	95.5 95	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A 049103419	G2664 G3061	IN EX	36.5 42.3	8 8	12.06 12.06	B B	C.I.-F C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256 G11445 G11446	IN/EX IN/EX	42 36	5.99 5.98	10.06 10.11 10.06 10.11	B B	C.I. C.I.
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0032	I
059109521C	PI 06-0008	I
	PI 06-0032	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I







NOTE remarks
6085-6086 Retainer stem end 2.5 mm
6453-6454 Retainer stem end 8.3 mm

VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1993/05.96	4	Golf 1.9 TD	79.5	069 109 601H	IN	4899	BM/AR/CR	36	8	95.5	I	45°
1991/05.96		Passat 1.9 TD		074 109 611	EX	4640	BM/AR/CR	31.2	8	95	I	45°
1991/05.96		Vento 1.9 TD Eng. AAZ Up to eng. N. 678000 1896 cc.										
06.96/1996	4	Golf .9 TD	79.5	028 109 601B	IN	6036	S	36	7	95.5	I	45°
		Passat 1.9 TD		028 109 611E	EX	6037	R/CR	31	7	95.5	I	45°
		Vento 1.9 TD Eng. AAZ From eng. N. 678001 1896 cc.										
94/5.96	4	Polo 1.9 D	79.5	069 109 601F	IN	4483	S/CR	36	8	95.5	I	45°
		Eng. AEF		074 109 611	EX	4640	BM/AR/CR	31.2	8	95	I	45°
		Up to eng. N.007 000 1896 cc.										
6.96	4	Polo 1.9 D	79.5	028 109 601B	IN	6036	S	36	7	95.5	I	45°
		Eng. AEF		028 109 611E	EX	6037	R/CR	31	7	95.5	I	45°
		From eng. N.007 001 1896 cc.										
1997	4	Caddy 1.9 D	79.5	028 109 601B	IN	6036	S	36	7	95.5	I	45°
		Eng. AEF		028 109 611E	EX	6037	R/CR	31	7	95.5	I	45°
		1896 cc.										
1991/5-96	4	Golf 1.9 D	79.5	069 109 601F	IN	4483	S/CR	36	8	95.5	I	45°
		Vento 1.9 D		074 109 611	EX	4640	BM/AR/CR	31.2	8	95	I	45°
		Caddy 1.9 D Eng. 1Y Up to eng. N. 580000 1896 cc.										
06-96/98	4	Golf 1.9 D	79.5	028 109 601B	IN	6036	S	36	7	95.5	I	45°
		Vento 1.9 D		028 109 611E	EX	6037	R/CR	31	7	95.5	I	45°
		Caddy 1.9 D Eng. 1Y From eng. N. 580001 1896 cc.										
1993/10.94	4	Golf 1.9 TDI	79.5	028 109 601H	IN	4776	BM/CR	36	8	96.9	I	45°
1989/10.94		Passat 1.9 TDI		046 109 611C/E	EX	4777	BM/CR	31.4	8	96.9	I	45°
1993/10.94		Vento 1.9 TDI Eng. 1Z 1896 cc. (90 CV)										
11.94/5.96	4	Golf 1.9 TDI	79.5	028 109 601H	IN	4776	BM/CR	36	8	96.9	I	45°
11.94/5.96		Passat 1.9 TDI		046 109 611C/E	EX	4777	BM/CR	31.4	8	96.9	I	45°
11.94/5.96		Vento 1.9 TDI										
1995/2.96		Sharan 1.9 TDI Eng. 1Z Up to eng. N. 770000 1896 cc.										

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
	PI 06-0001	I
034109309N	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
034109309N	PI 06-0001	I
	PI 06-0001	I
034109309N	PI 06-0001	I
	PI 06-0001	I
034109309N	PI 06-0001	I







NOTE
remarks

VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.						
								D	d	L				
6.96/1998	4	Golf 1.9 TDI	79.5	028 109 601D	IN	6087	S	35.9	7	96.8	I	45°		
6.96/1998		Passat 1.9 TDI		028 109 601K	IN	4888	BM	35.9	7	96.8	I	45°		
3.96		Sharan 1.9 TDI		028 109 611G	EX	4889	BM	31.5	7	96.85	I	45°		
6.96/1996		Vento 1.9 TDI Eng. 1Z From eng. N. 770001 1896 cc.												
1994/5.96	4	Polo 1.9 SDI	79.5	069 109 601F	IN	4483	S/CR	36	8	95.5	I	45°		
		Eng. AGD 1896 cc.		074 109 611	EX	4640	BM/AR/CR	31.2	8	95	I	45°		
1998	4	Bora 1.9 SDI	79.5	028 109 601J	IN	4946	S	36	7	96.5	I	45°		
1997		Golf 1.9 SDI		028 109 611K	EX	4947	R	31.5	7	96.5	I	45°		
1996/01		Polo 1.9 SDI Eng. AQM-AGP-AGD 1896 cc.												
1997	4	Golf 1.9 SDI	79.5	028 109 601J	IN	4946	S	36	7	96.5	I	45°		
		Polo 1.9 SDI		028 109 611K	EX	4947	R	31.5	7	96.5	I	45°		
		Vento 1.9 SDI												
		Caddy 1.9 SDI Eng. AEY From eng. N. 002 001 1896 cc.												
1999	4	Polo 1.9 SDI	79.5	028 109 601J	IN	4946	S	36	7	96.5	I	45°		
		Eng. ASY 1896 cc.		028 109 611K	EX	4947	R	31.5	7	96.5	I	45°		
1998/01	4	Bora 1.9 TDI	79.5	028 109 601D	IN	6087	S	35.9	7	96.8	I	45°		
1996		Golf 1.9 TDI		028 109 601K	IN	4888	BM	35.9	7	96.8	I	45°		
1999/01		New Beetle 1.9 TDI		028 109 611G	EX	4889	BM	31.5	7	96.85	I	45°		
1996/00		Passat 1.9 TDI												
1997		Polo 1.9 TDI												
1996		Sharan 1.9 TDI												
1996/98		Vento 1.9 TDI												
1996		Caddy 1.9 TDI Eng. AGR-ALH-AHU-ALE Eng. AHU-AFN 1896 cc. (90 CV)												
1998/01		4		Bora 1.9 TDI	79.5	028 109 601D	IN	6087	S	35.9	7	96.8	I	45°
1996				Golf 1.9 TDI		028 109 601K	IN	4888	BM	35.9	7	96.8	I	45°
1996/00	Passat 1.9 TDI		028 109 611G	EX		4889	BM	31.5	7	96.85	I	45°		
1998	Polo 1.9 TDI													
1996	Sharan 1.9 TDI Eng. AHF-ASV-AFN-AVG 1896 cc. (110CV)													

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PUNTERIE
LIFTERS**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I


NOTE
remarks

VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1999 1999/01 1998/01 1998/00 2000	4	New Beetle 1.9 TDI Bora 1.9 TDI Golf 1.9 TDI Passat 1.9 TDI Sharan 1.9 TDI Eng. AJM-AUY-ATJ 1896 cc. (115CV)	79.5	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°
1999/03	4	Sharan 1.9 TDI Eng. ANU 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°
2001 2000 2000	4	New Beetle 1.9 TDI Polo 1.9 TDI Golf 1.9 TDI Bora 1.9 TDI Eng. ATD (101 CV) 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°
2000 2000 2003 2002	4	Golf 1.9 TDI Bora 1.9 TDI Polo 1.9 TDI Sharan 1.9 TDI Eng. ASZ-ARL 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°
2000	4	Passat 1.9 TDI Eng. AVB - AVF - AWX 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°
2003	4	Golf 1.9 TDI Eng. BKC 1896 cc.	79.5	038 109 601 E 038 109 611 E	IN EX	6208 6209	S BM	35.95 31.5	7 7	89.4 89	I I	45° 45°
2003 2003	4	Transporter 1.9 TDI Multivan 1.9 TDI Eng. AXC-AXB 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°
2003 2003	4	Transporter 2.5 TDI Multivan 2.5 TDI Eng. AXD-AXE 2460 cc.	79.5	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9 31.5	7 7	89.9 90	I I	45° 45°
2003/04	4	Golf 2.0 TDI -PD 16V Eng. AZV-BKD 1968 cc. Until chassis n. 1K-4B005 000 1K-4P004 323 1K-4U000 000 1K-4W000 000	81	03G 109 601A 03G 109 611B	IN EX	6353 6354	S BM	29.2 25.5	6 6	88.45 88.2	I I	45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.

PUNTERIE LIFTERS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I

NOTE remarks

VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2003/04	4	Touran 2.0 TDI-PD 16V Eng. AZV-BKD Until chassis n. 1T-4W117 616 1968 cc.	81	03G 109 601A 03G 109 611B	IN EX	6353 6354	S BM	29.2	6	88.45	I	45°
								25.5	6	88.2	I	45°
2004	4	Golf 2.0 TDI -PD 16V Eng. AZV-BKD 1968 cc. From chassis n. 1K-4B005 001 1K-4P004 324 1K-4U000 001	81	03G 109 601B 03G 109 611D	IN EX	6372 6373	S BM	29.1	6	87.8	I	45°
								25.4	6	87.5	I	45°
2004	4	Touran 2.0 TDI-PD 16V Eng. AZV-BKD Until chassis n. 1T-4W117 617 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	6372 6373	S BM	29.1	6	87.8	I	45°
								25.4	6	87.5	I	45°
2005	4	Passat 2.0 TDI -PD 16V Eng. BVE-BMA-BKP-BMF 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	6372 6373	S BM	29.1	6	87.8	I	45°
								25.4	6	87.5	I	45°
2004 2005 2004	4	Touran 2.0 TDI-PD 16V Jetta 2.0 TDI -PD 16V Golf 2.0 TDI -PD 16V Eng. AZV-BKD 1868 cc.	81	03G 109 601B 03G 109 611D	IN EX	6372 6373	S BM	29.1	6	87.8	I	45°
								25.4	6	87.5	I	45°
1995	5	Transporter 2.5 TDI Eng. AAB 2459 cc.	81	069 109 601F 074 109 611	IN EX	4483 4640	S/CR BM/AR/CR	36	8	95	I	45°
								31.2	8	95	I	45°
1996	5	LT 28-46 2.5 SDI Eng. AGX 2461 cc.	81	046 109 601J 046 109 611F	IN EX	4776 4777	BM/CR BM/CR	36	8	96.9	I	45°
								31.4	8	96.9	I	45°
1996/99	5	LT 28-46 2.5 TDI Eng. AHD-APA-BBE Eng. ANJ-BBF 2461 cc.	81	046 109 601J 046 109 611F	IN EX	4776 4777	BM/CR BM/CR	36	8	96.9	I	45°
								31.4	8	96.9	I	45°
2003	5	Touareg 2.5 TDI R5 10V Eng. BAC-BLK 2460 cc.	81	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9	7	89.9	I	45°
								31.5	7	90	I	45°
2002 2002	V10 V10	Touareg 5.0 TDI V10 20V Eng. AYH Phaeton 5.0 TDI V10 20V Eng. AJS 4921 cc.	81	038 109 601B 038 109 611B	IN EX	6128 6129	S BM	35.9	7	89.9	I	45°
								31.5	7	90	I	45°
1997	4	LT 28-46 2.8 TDI 12V Eng. AGK-ATA-AUH-BCQ 2799 cc.	93	062 109 601 062 109 611A	IN EX	6312 6313	S/CR BM/CR	33	7	105.2	I	30°
								39.7	7	105.2	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F





**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
	PI 06-0032	I


**NOTE
remarks**
VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1975/81	4	66 L - DL	70	3104401-9	IN	3589	S	33.5	7	89.5	E	45°
		Eng. B10E 1108 cc.		3100519-2	EX	3394	R	30	7	89	K	45°
		66 DL - GL		73								
1976	4	Eng. B13E 1289 cc.	76									
		343 L - GL - DL 345 L - GL - DL 1397 cc.										
1982/85	4	343 L - DL 345 L - DL Eng. B14 1397 cc.	76	3277693-2 3267437-6	IN EX	3648 3649	S R	34 29	7 7	91.5 89	E K	30° 45°
1985	4	343 L - DL	76	3287419-0	IN	4223	S/CR	34	7	90.5	K	45°
		345 L - DL Eng. B14 1397 cc.		3277813-6	EX	3966	R	29	7	89	K	45°
2005	4	S40 1.6 i 16V	79	30711639	IN	6195	S/CR	30	6	99	I	45°
		V50 1.6 i 16V Eng. B4164S3 1596 cc.		30711638	EX	6196	R/CR	24.1	6	101.4	I	45°
1985	4	340 - 360 GL	81	3342278-3	IN	4221	S	38.1	8	111.5	E	30°
		Eng. B172		3343738-5	EX	4222	R/CR - BMAR	32.5	8	111.3	E	45°
1988	4	440 GL - GLE - GLT 480 ES										
1990	4	Eng. B18E/F 440 GL - 460 GLE 1721 cc.										
1995/04	4	S40 1.6 i 16V	81	1397641-0	IN	4937	S/CR	31	7	104	I	45°
		V40 1.6 i 16V Eng. B4164S/S2 1587 cc		1366490	EX	4938	R/CR	27	7	103.2	I	45°
1991/96	5	850 2.0 i 20V	81	1397641-0	IN	4937	S/CR	31	7	104	I	45°
		V70 2.0 i 20V		1366490	EX	4938	R/CR	27	7	103.2	I	45°
1997	5	Eng. B5204F/S										
1998	5	S80 2.0 i Turbo 20V Eng. B5204T3 1984 cc.										
1993/96	5	850 2.0 i Turbo 20V	81	1397641-0	IN	4937	S/CR	31	7	104	I	45°
		Eng. B5204T		1366490	EX	4938	R/CR	27	7	103.2	I	45°
1997	5	C70 2.0 i Turbo 20V										
1997	5	S70 2.0 i Turbo 20V V70 2.0 i Turbo 20V Eng. B5204T2/T3T/T4 1984 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
3102891 - 3	G3065 G3066	IN/EX	41.5	7	11.13 11.18	G	L
3102891 - 3	G3065 G3066	IN/EX	41.5	7	11.13 11.18	G	L
3102891 - 3	G3065 G3066	IN/EX	41.5	7	11.13 11.18	G	L
	G3499 G11190	IN/EX	40.5	6	11.04 11.09	G	L-X
3343624	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11370	IN/EX	48	7	11.99	G	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0007*	I
	PI 06-0007	I
	PI 06-0007	I


NOTE
remarks

PI 06-0007* ONLY ENG. B4164/S

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1993 1997/00	5	850 Break 10V S70 2.0 i 10V V70 2.0 i 10V Eng. 5202S 1984 cc	81	1397190	IN	4962	S/CR	40	7	98	I	45°
				6842421 1397191 6842422	EX	4963	BM/AR/CR	35	7	97	I	45°
1997	4	C70 2.3 i Turbo 20V S70 2.3 i Turbo 20V V70 2.3 i Turbo 20V Eng. B5234T/T3/T4/T6/T8 2319 cc.	81	1397641-0	IN	4937	S/CR	31	7	104	I	45°
				1366490	EX	4938	R/CR	27	7	103.2	I	45°
1997	V6	S90 2.5 i V624V V90 2.5 I V6 24V Eng. B6254S 2473 c.	81	1397641-0	IN	4937	S/CR	31	7	104	I	45°
				1366490	EX	4938	R/CR	27	7	103.2	I	45°
2001	5	S60 2.0 i Turbo 20V V70 2.0 i Turbo 20V S80 2.0 i Turbo 20V Eng. B5204T5 1984 cc.	81	9454607	IN	6298	S/CR	31	6	104.3	I	45°
				9454610	EX	6299	BM/AR/CR	27	6	103.3	I	45°
2000	5	S60 2.3 i Turbo 20V Eng. B5234T3 2319 cc.	81	9454607	IN	6298	S/CR	31	6	104.3	I	45°
				9454610	EX	6299	BM/AR/CR	27	6	103.3	I	45°
1991/96	4	440 1.8 i 460 1.8 i Eng. B18U 1794 cc.	82.7	3344841-6	IN	4723	S/CR	40.2	8	107	E	45°
				3344842-4	EX	4724	R/CR	32.6	8	107	E	45°
1992/96 1992/95	4	440 2.0 i 460 2.0 i 480 2.0 i Eng. B20F 1998 cc.	82.7	3344841-6	IN	4723	S/CR	40.2	8	107	E	45°
				3344842-4	EX	4724	R/CR	32.6	8	107	E	45°
1995/99 2000	4	S40 1.8 16V V40 1.8 16V Eng. 4184S 1731 cc. S40 1.8 16V V40 1.8 16V Eng. 4184S2 1783 cc.	83	1397641-0	IN	4937	S/CR	31	7	104	I	45°
				1366490	EX	4938	R/CR	27	7	103.2	I	45°
1991/96 1997 1999	5	850 2.4 i 20V C70 2.4 i 20V S70 2.5 20V V70 2.4 i 20V Eng. B5254/S S80 2.4 i 20V Eng B5254 2435 cc.	83	1397641-0	IN	4937	S/CR	31	7	104	I	45°
				1366490	EX	4938	R/CR	27	7	103.2	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1270397	G11203 G11204	IN/EX	53	7	12.08 12.13	G	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11371	IN/EX	45	6	11.99	G	C.I.
	G11447 G11448	IN/EX	39.5	6	11.52 11.57	G	C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6 6	11.99 11.52 11.57	G G	C.I. C.I.
3343624	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
3343624	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0016	I
	PI 06-0007	I
	PI 06-0007	I
	PI 06-0007	I
	PI 06-0007	I







NOTE remarks

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1996 1997		850 2.4 i Turbo 20V C70 2.4 i Turbo 20V S70 2.5 i Turbo 20V V70 2.4 i Turbo 20V XC70 2.4 i Turbo 20V Eng. B5254T 2435 cc.	83	1397641-0 1366490	IN EX	4937 4938	S/CR R/CR	31 27	7 7	104 103.2	I I	45° 45°
2004	5	V50 2.5 i Turbo 20V Eng. B5254T3 2521 cc.	83	9454607 9454610	IN EX	6298 6299	S/CR BM/AR/CR	31 27	6 6	104.3 103.3	I I	45° 45°
1996 1998 1997 1997	V6	960 3.0 i V6 24V S80 3.0 i V6 24V S90 3.0 i V6 24V V90 3.0 i V6 24V Eng. B6304S/S2 2922 cc.	83	1397641-0 1366490	IN EX	4937 4938	S/CR R/CR	31 27	7 7	104 103.2	I I	45° 45°
2004	4	S40 1.8 i 16V V50 1.8 i 16V Eng. B4184S11 1798 cc	83	8694781 8694780	IN EX	6341 6342	S/NT R/NT	32.5 28	5.5 5.5	103.4 104.6	S S	45° 45°
1965/72	4	P 121 - 131 PV544 - Amazon P 1800 - 1800S P 122S - 132 - 210 -221 Eng. B18A - B - D 1780 cc.	84.138	419368-6 419292-8	IN EX	4570 4571	S/CR R/CR	40 35	8.65 8.65	116.8 116.5	N N	45° 45°
	8	L 420 - 430 Eng. B36AV 3560 cc.										
1988 1976/83 1985 1980 1985 1991 1991 1985	4	240 Eng. B200 E - B230 E 242 - 244 - 245 Eng. B19A 340 - 360 GLE Eng. B200 E 343 - 345 Eng. B19A 740 940 GL Eng. B200 E 740 - 780 Turbo Eng. B200 ET 1986 cc.	88.9	463395-4 463526-4 3547247-1	IN EX	4313 4314	S/CR R/CR	44 35	8 8	110.5 110.8	I I	45° 45°
1968/73 1973/75	4	164 - 165 Eng. B30A 164 - 165 Eng. B30E/F 2978 cc.	88.9	419639-0 419766-1 419640-8 419735-6	IN IN EX	4034 3939 3940	S/CR S/CR R/CR	42 44 35	8 8 8	116.5 116.5 116.5	I I I	45° 45° 45°

GUIDAVALVOLE VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6 6	11.99 11.52 11.57	G G	C.I. C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11427	IN/EX	39	5.5	11.05	G	
415266-403546	G11235	IN/EX	63.5	8.74	15.01		
419652	G2644	IN/EX	52	8	13.52	G	C.I.
419652 419563	G2644 G2647	IN EX	52 59	8 8	13.52 13.52	G G	C.I. C.I.

PUNTERIE LIFTERS







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0007	I

NOTE remarks

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1988	4	740 GLT 16V Eng. B204E 1986 cc.	89	1378473-1 1378474-9	IN EX	4734 4735	R/CR R/CR	32.5 29.5	7 7	122.5 122.6	I I	45° 45°
1989		760 2.0 Turbo 16V										
		780 2.0 Turbo 16V										
1991		940 2.0 i Turbo 16V 960 2.0 I Turbo 16V Eng. B204 FT 1986 cc.										
1974/83	4	242 - 244 - 245 Eng. B21 A/E	96	463395-4 463526-4 3547247-1	IN EX	4313 4314	S/CR R/CR	44 35	8 8	110.5 110.8	I I	45° 45°
1980		244 - 245 Turbo B21 ET 2127 cc.										
1981		240 - 740 GLE - GLT Eng. B23 A/E										
1985		740 Eng. B230 E 2316 cc.										
1988		240										
1985		740 GL - GLE 760										
1985/91		940 GL - GLE Eng. B230 F - B230FB 2316 cc.										
1982/88	4	740 - 760 Turbo	96	463395-4 463526-4 3547247-1	IN EX	4313 4314	S/CR R/CR	44 35	8 8	110.5 110.8	I I	45° 45°
1988		780 Turbo										
1986		940 Turbo Eng. B23 ET/FT 2316 cc.										
1987/88	4	240 - 740 Eng. B230K 2316 cc.	96	1336290-0 1336291-8	IN EX	4732 4733	S/CR R/CR	44 35	8 8	119.6 119.9	I I	45° 45°
1988	4	740 2.3 16V Eng. B234F	96	1317793-6 1317792-8	IN EX	4736 4737	S/CR R/CR	34.5 31.5	7 7	122.5 122.3	I I	45° 45°
1990/98		940 2.3 i Eng. B230FD										
1992/95		940 2.3 i Eng. B230FB 2316 cc.										

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1378960	G3507 G3508	IN/EX	55	7	12.03 12.08	G	C.I.
419652	G2644	IN/EX	52	8	13.52	G	C.I.
419652	G2644	IN/EX	52	8	13.52	G	C.I.
1378960	G3507 G3508	IN/EX	55	7	12.03 12.08	G	C.I.

**PUNTERIE
LIFTERS**







N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0016	I
463075-2	PI 03-102	M
	PI 06-0016	I

 **NOTE**
remarks

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
2005	4	S40 1.6 DI 16V V50 1.6 DI 16V Eng. D4164T 1560 cc.	75	30711498	IN	6397	S/CR	25.6	5.5	96.4	I	45°
				30711497	EX	6398	BM/CR	23.4	5.5	96.6	I	45°
1979/1	6	244 GLD - 245 GLD Eng. D24 2383 cc.	76.5	1257053	IN	3641	S	36	8	105	EE	45°
				1257054	EX	3565	R	31	8	104.5	EE	45°
8/81-89 1984/92 1990/94	6	240 2.4 D 740 2.4 D 940 2.4 D Eng. D24 2383 cc.	76.5	1328088-8	IN	3662	S	36	8	105	I	45°
				1328089-6	EX	3647	R	31	8	104.5	I	45°
1985 1982 1990	6	240 GLD - 740 GLD 940 GLD Eng. D24 2383 cc. 740 GLE TD 760 GLE TD 940 GLE TD 960 GLE TD Eng. D24 T 2303 cc.	76.5	1328147-2	IN	3662	S	36	8	105	I	45°
				1328148-0	EX	3647	R	31	8	104.5	I	45°
1985 1990	6	740 GLE TD 760 GLE TD 780 GLE TD 940 GLE TD 960 GLE TD Eng. D24 TIC 2383 cc.	76.5	1389261-7	IN	3662	S	36	8	105	I	45°
				1389262-5	EX	3647	R	31	8	104.5	I	45°
1984	4	360 D Eng. D16 1596 cc.	78	3287966-0 3287967-8	IN EX	4164 4165	S R - BM	36.3 31.6	8 8	111.7 111.3	E E	30° 45°
1994/96	4	440/460 1.9 TD Eng. D19T Up to eng. N. 930900 1870 cc.	80	7701466716	IN	4717	S	36.2	8	111.7	E	30°
				7701466717	EX	4718	R	31.6	8	111.7	E	45°
1994/96	4	440/460 1.9 TD Eng. D19T From to eng. N. 930901 1870 cc.	80	7701468035	IN	4716	S - BM	35	8	111.6	E	45°
				7701466717	EX	4718	R	31.6	8	111.7	E	45°
1995/99	4	V40 1.9 TD Eng. D4192T2 1870 cc.	80	7701471704	IN	6062	BM	35	8	110.1	E	45°
				7701468190	IN	4719	S - BM	35	8	110.5	E	45°
				7701471705	EX	4942	BM	31.5	8	110	E	45°

**GUIDAVALVOLE
VALVE GUIDES**

**PUNTERIE
LIFTERS**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
1257613 - 8	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1257613 - 8	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1257613 - 8	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1257613 - 8	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
30882363	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
7700716248	PI 03-103	M
7700716248	PI 03-103	M
7700716248	PI 03-103	M

 NOTE
remarks

VOLVO DIESEL

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.					
								D	d	L			
1999/00	4	S40 1.9 TDI V40 1.9 TDI Eng. D419T2 1870 cc.	80	30889401	IN	4973	S	35.3	7	110.9	E	45°	
				30889403	EX	4974	R	32.6	7	110.7	E	45°	
2000	4	S40 1.9 TCI V40 1.9 TCI Eng. D4192T3/T4 1870 cc.	80	30889401	IN	4973	S	35.3	7	110.9	E	45°	
				30889403	EX	4974	R	32.6	7	110.7	E	45°	
1996 1997 1997 1999	5	850 2.5 TDI S70 2.5 TDI V70 2.5 TDI S80 2.5 TDI Eng. D252T 2461 cc.	81	9186565	IN	4776	BM/CR	36	8	96.9	I	45°	
				9186565	EX	4777	BM/CR	31.4	8	96.9	I	45°	
2003 2003	5	XC 70 2.4 TD Eng D5244T2 XC 90 2.4 TD Eng. D5244T 2401 cc.	81	8631650	IN	6447	S/NT	28.8	6	98.1	I	45°	
				8631651	EX	6448	BM/AR/NT	26.2	6	97.8	I	45°	
2004	4	S40 2.0 TD V50 2.0 TD 1997 cc	85	8653745	IN	6163	S/CR	29.8	6	105	I	45°	
				8659744	EX	6164	BM/CR	25	6	105	I	45°	

VOLVO INDUSTRIAL AND COMMERCIAL

1975	6	B/F 609 - F 611 Eng. D60	98.42	420553-0	IN	4564	S/CR	41	8	145.3	N	30°					
1975/78		F613 Eng. TD60 - Turbo		3825723	EX	4565	R/CR						37	8	145.3	N	45°
1985		F614 Eng. TD61 - Turbo		465549-4													
1991		FL608 - 613 - 614 - 617 Eng. TD61 F/G - Turbo 5480 cc. FL610 - 611 - 613 - 614 Eng. TD63 E-ES-Turbo 6730 cc.		8192143													
2000	6	FL 180 - FL 6 E/H Eng. D6B 180/220/250 5480 cc.	98.42	420553-0	IN	4564	S/CR	41	8	145.3	N	30°					
				3825723	EX	4565	R/CR						37	8	145.3	N	45°
1965	6	F/N 86 Eng. D70 A - B - C	104.775	421016-7	IN	3279	S/CR	43	11	148.5	K	30°					
1965/74		B54 - N7 - N86 Eng. TD70 A-B-C- Turbo 6730 cc.		421017-5 421208-0	EX	3280	R/CR						37	11	148.5	K	45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1976	6	B57 - F7/86 - TF86/88 TN7 - 86DTC Eng. TD70 E - F - G Eng. TD70 Turbo	104.775	466379-5 471195-8 471196 466381	IN EX EX	3945 4333 3946	S/CR R/CR R/CR	43 37 37	11 11 11	148.5 148.5 148.5	EE EE EE	30° 45° 45°
1979/85		F7 Eng. TD FS - Turbo										
1985		FL7 Eng. TD71 F - FD - FQ Eng. TD 71 - Turbo 6730 CC.										
1985/98	6	FL 7/230 - 260 Eng. TD73 E/ES 6725 cc.	104.8	477447 477443	IN EX	6302 6303	S/CR BM/CR	43 39	8 8	149.6 149.5	K K	30° 45°
1985/98	6	FL 7/230 - 260 Eng. TD73 E/ES 6725 cc.	104.8	3978768 3978766	IN EX	6449 6450	S/CR BM/CR	43 39	8 8	149,7 149.7	EE EE	30° 45°
2002	6	FM9-260 FM9-300 FM9-340 FM9-380 Eng. D9A 9360 cc.	120	20450002 8148069	IN EX	6380 6381	S/CR BM/CR	38 38	8 8	191.7 191.5	EE EE	30° 30°
1965	6	B56 - 58 - 61 F/N88 Eng. D100A F/N10 - F/N88 Eng. TD100A - Turbo 9599 cc.	120.65	422016-6 422017-4	IN EX	3607 3608	S/CR R/CR	50 46	11 11	167 167	K K	30° 45°
1965	6	F/N100 Eng. TD 100A-B - Turbo	120.65	467502-1 1545290	IN	4032	S/CR	50	11	167	EE	30°
1981		B10 - F/N 10 Eng. TD 100F-G - Turbo		479204 467857	EX EX	4033 4332	R/CR R/CR	46 46	11 11	167 167	EE EE	45° 45°
1983		F10 Eng. TD101 F/G/GA Eng. TD101 - Turbo FL10 Eng. TD101FA-FC Eng. TD101 - Turbo		467855-3 467503 467682								
1984		B/N10 Eng. THD 100E - Turbo Eng. THD 101K - Turbo										
1991		B10 R-M F10 - FL10 - FS10 Eng. THD102KF-Turbo Eng. TD103 E-ES-Turbo 9599 cc.										





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
1970	6	F88/89 Eng. D120 F88/89 Up to Eng. n. 10128 Eng. TD120 A-Turbo 12000 cc.	130.175	423016-5 423017-3	IN EX	3737 3738	S/CR R/CR	54 50	11 11	167 167	K K	30° 45°
1970 1977 1988	6	F88/89 From Eng. n. 10129 F/N12 Eng. TD120 - 121 Eng. TD120-121- Turbo F12 Eng. TD122 F-FS-Turbo 12000 cc.	130.175	468302-5 468303-3	IN EX	3739 3740	S/CR R/CR	54 50	11 11	167 167	EE EE	30° 45°
1993	6	FH 12-340 FH 12-380 FH 12-480 Eng. D12A 24V TURBO 12100 cc.	131	1547492 8148574	IN EX	6300 6301	BM/CR BM/CR	40 40	8 8	192 191.7	T EE	30° 45°
2002	6	FM 12-420 FH 12-420 FH 12- 460 FH 12-500 Eng. D12D-D12C 12100 cc.	131	20459326 20441945	IN EX	6378 6379	S/CR BM/CR	40 40	8 8	192 191.7	EE EE	30° 45°
1987 1994 1991	6	F16 Eng. TD162F- Turbo 16121 cc. FH16-470 Eng. D16A 4V-Turbo 16100 cc. F16 Eng. TD163ES- Turbo 16120 cc.	142 144	1543026 1556472 1556473 1543027 863702 1556896	IN EX	4687 4688	S/CR BM/CR	47 45	9.5 9.5	176.8 176.9	EE EE	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIF. FRECCIA Freccia ref.	MATERIALE material	mm.				
								D	d	L		
ZETOR												
1960/77	2	Tractor 2011 - 2013 2017 - 2023 - 2511 Eng. 2001 1560 cc.	95	950505	IN	3650	S	39	8	129	Q	45°
				950506	EX	3651	S	33	10	127.5	D	45°
	3	Tractor 3011 - 3013 3016 - 3017 - 3511 Eng. 3001 2340 cc.	Spessore testa maggiorato 1 mm	IN	4060	S	39	8	129	Q	45°	
				EX	4061	S	33	10	127.5	D	45°	
4	Tractor 4011 - 4045 4511 - 5511 Eng. 5711 3120 cc.	Spessore testa maggiorato 2 mm	IN	4062	S	39	8	129	Q	45°		
					EX	4063	S	33	10	127.5	D	45°
1969	4	Tractor 8011 - 8045 Eng. 8001 4562 cc.	110	480005014	IN	4039	R	49	10	139	E	45°
				480005015	EX	4040	R	41.5	10	139	E	45°
1969	6	Tractor 8611 - 12011 12045 Eng. 8601 6842 cc.										
1978	4	Tractor 6911 - 6945 3595 CC.	110	69010554	IN	4037	S	44	10	129.5	E	45°
				69010555	EX	4038	S	36.5	10	129.5	E	45°
				Spessore testa	IN	4142	S	44	10	129.5	E	45°
				maggiorato	EX	4143	S	36.5	10	129.5	E	45°
				1 mm								

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
950504	G2676	IN	70	8	15.04	G	F
950530	G2677	EX	64	10	15.04	G	F
80005101	G3073	IN/EX	68.5	10	16.04	G	F

**PUNTERIE
LIFTERS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE remarks

ZETOR

freccia

**PRECAMERE DI COMBUSTIONE
PER MOTORI DIESEL**

**PRECOMBUSTION CHAMBERS
FOR DIESEL ENGINES**

**PRECHAMBRES DE COMBUSTION
POUR MOTEURS DIESEL**

**VERBRENNUNGSVORKAMMERN
FÜR DIESELMOTOREN**

**ANTECÁMARAS DE COMBUSTIÓN
PARA MOTORES DIESEL**

**ПРЕДВАРИТЕЛЬНЫЙ ОТСЕК
СЖИГАНИЯ ДЛЯ ДИЗЕЛЬ-
НЫХ МОТОРОВ**

FORMA
Shape
Forme
Gestaltung
Tipo y forma
Форма



1



2



3



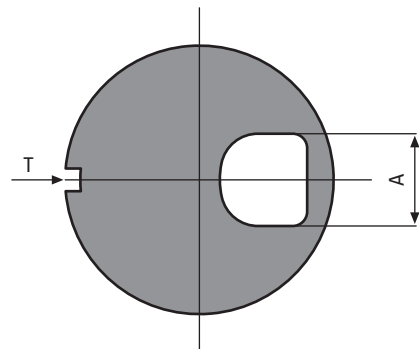
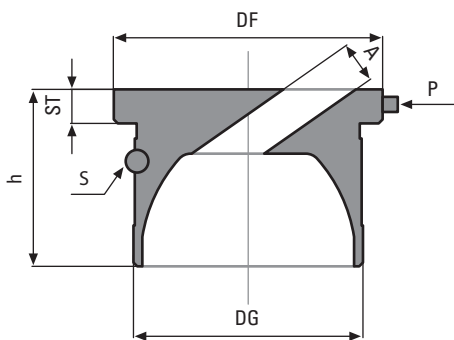
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5

TIPO DI BLOCCAGGIO
Type of block
Type de blocage
Blockierungstyp
Tipo fijación
Тип стопора

DIMENSIONI
Dimensions
Dimensions
Masse
Medidas
Размеры



PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
ALFA ROMEO										
Alfetta 2.0 TD Giulietta 2.0 TD Alfa 75 2.0 TD Eng. VM 1995 cc.		5/10 STD	PC 04-200 PC 04-9200	5.5x12	29.60 29.60	34.50 33.80	4.80 4.50	S	19.60 19.30	1
Alfa 90 TD 164 TD 2400 cc.	21772013	10/10 STD	PC 04-201 PC 04-9201	6x12.5	30.35 30.35	36.50 36.50	4.80 4.50	S	23.80 23.50	1
Alfa 33 1.8 C CIL 1800 cc.	21772053	10/10 STD	PC 04-202 PC 04-9202	6x12.5	30.35 30.35	36.50 36.50	4.80 4.50	S	23.80 23.50	1
VM Eng. 488/494 VM Eng. 499 2000 cc.		5/10 STD	PC 04-203 PC 04-9203	6.5x14.3	32.70 32.70	38.30 37.80	4.80 4.50	S	23.80 23.50	1
Alfa 164 TD From 1992 Eng. VM HR924 HR/HS	21772059	5/10 STD	PC 04-204 PC 04-9204	6.7x14.3	32.70 32.70	38.50 37.84	4.80 4.50	S	41.90 41.60	4
Alfa 164 TD Eng. VM HR425 2.5 TD Doppia candelella Double glow plug		5/10 STD	PC 04-205 PC 04-9205	6x12.5	30.35 30.35	36.50 35.50	4.80 4.50	S	23.80 23.50	1
Alfa 75 TD	46433815	STD	PC 04-9206		26	31.40			62	2
Furgone AR8/AR10 Eng. 8140		10/10 STD	PC 04-207 PC 04-9207	5x12.5	30.35 30.35	36.50 35.50	4.80 4.50	S	23.80 23.50	1
AUDI										
Audi 80 D CIL.	069 103 391	5/10 STD	PC 04-208 PC 04-9208	5x11	27.35 27.35	32.50 32	4.30 4	S	17.30 17	1
Audi 80 TD		5/10 STD	PC 04-209 PC 04-9209	5x11.5	27.35 27.35	32.50 32	4.30 4	S	17.30 17	1
BEDFORD										
CF220 -250 VAN Eng. Perkins 4.108		5/10	PC 04-210	14		32	10		10	3
2.1 D - VAN 2.1	3456541	5/10 STD	PC 04-211 PC 04-9211	5.5x12	29.70 29.70	34.50 34	4.30 4	S	22.80 22.50	1
Astra - Astra Van	642132	5/10 STD	PC 04-212 PC 04-9212	4x10	25.80 25.80	31.50 31	4.30 4	S S	17.30 17	1
BMW										
524 TD 6 CIL Eng. M21D24 WA		5/10 STD	PC 04-213 PC 04-9213	5x11	27.50 27.50	31 30.50	4.30 4	T	17.80 17.50	1
525 TD 6 CIL Eng. M51D25WA		5/10 STD	PC 04-214 PC 04-9214	5x11	27.50 27.50	31 30.50	4.30 4	T	17.80 17.50	1
CHRYSLER										
Voyager SE/LE Eng. VM HR924HR/HS From 1992		5/10 STD	PC 04-204 PC 04-9204	6.7x14.3	32.70 32.70	38.5 37.84	4.80 4.50	S	41.90 41.60	4

PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
CITROEN										
AX 1.4 D Eng. TUD3 1360 cc.	9566272	5/10 2 MM STD	PC 04-215 PC 04-227 PC 04-9215	4.5x11	25.85 25.85 25.85	30.10 32 29.50	4.40 4.40 4.10	S	15.60 15.60 15.30	1
Saxo 1.5 D Eng. TUD5 1527 cc.		5/10 STD	PC 04-216 PC 04-9216	4.4x10.7	26.90 26.35	31.50 31	4.30 4	S	17 16.70	1
Saxo D 1527 cc.		5/10 STD	PC 04-228 PC 04-9228	4.5x11	26.90 26.35	31.50 31	4.30 4	S	17 16.70	1
Visa 1.7 D - 1.7 RD Eng. XUD7	0218.52	5/10 STD	PC 04-217 PC 04-9217	5x13.7	29.70 29.70	34.50 34	4.30 4	S	19.30 19	1
ZX - Xantia 1.9D/TD BX 19 D Eng. XUD9	0218.49	5/10 STD	PC 04-218 PC 04-9218	5x11.5	28.10 28.10	32.50 32	4.30 4	S	18.30 18	1
BX 1900	0218.65	5/10 STD	PC 04-219 PC 04-9219	5x11.5	28.10 28	33.10 32.65	4.60 4.30	S	18.60 18.30	1
CX 2200 Eng. M22-621	5473052	5/10 STD	PC 04-220 PC 04-9220	5.5x11.5	29.60 29.60	36.50 36	4.80 4.40	T	19 18.60	1
CX 2500 Eng. M25-629	95559502	10/10 STD	PC 04-221 PC 04-9221	5.5x12	29.60 29.60	36.50 36	5.10 4.80	T	19.30 19	1
CX 2500 TD Eng. J5D	0218.47	5/10 STD	PC 04-222 PC 04-9222	5.5x12	30 30	36.50 36	5.10 4.80	T	19.34 19	1
XM 2500D	9456030580	5/10 STD	PC 04-223 PC 04-9223	5.5x12	30 30	35 34.50	4.60 4.30	S	19.20 18.90	1
XM 2500 TD Eng. XUD11 ATE	9456030780	5/10 STD	PC 04-224 PC 04-9224	5.5x12	30.30 30.30	35.20 34.70	4.60 4.30	S	19.20 18.90	1
XM 2.1 D Eng. XUD11 2098 cc.		5/10 STD	PC 04-225 PC 04-9225	5.5x12	29.70 29.70	34.50 34	4.30 4	S	19.30 19	1
Jumper - Evasion Eng. DX5T-DJ5T 2446 cc.	0218-71	5/10 STD	PC 04-226 PC 04-9226	5x18.5	32.20 31.70	36.90 36.50	4.30 4	S	22.80 22.50	1
DAEWOO										
Truck Pluss	0218.49	5/10 STD	PC 04-218 PC 04-9218	5x11.5	28.10 28.10	32.50 32	4.30 4	S	18.30 18	1
Lublin Andoria Eng. C90C		5/10 STD	PC 04-229 PC 04-9229	5.5x12	31 31	36.30 35.80	4.80 4.50	S	20.30 20	1
Lublin 2.5 TD Eng. CT90-1ME		5/10 STD	PC 04-230 PC 04-9230	6x13	31 31	36.30 35.80	4.80 4.50	P	20.30 20	1
DAIHATSU										
Charade D		5/10 STD	PC 04-231 PC 04-9231	4.5x10	25 25	30.50 30	5.30 5	P	16.30 16	1
Eng. CLD3 Cil. 1000 cc.		5/10 STD	PC 04-232 PC 04-9232	5x11	25 25	30.50 30	5.30 5	P	16.30 16	1
Rocky 2765 cc.		5/10 STD	PC 04-233 PC 04-9233	6x12	28.80 28.80	36.50 36	4.30 4.1	T	15.30 15	1

PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
Daihatsu FL 75 2800 cc.		5/10	PC 04-234 PC 04-9234	6.5x13.5	34 34	37.50 37	6.10 5.80	S	23.60 23.30	1
FIAT										
242 E 2500 cc.	5468673	10/10 STD	PC 04-221 PC 04-9221	5.5x12	29.60 29.60	36.50 36	5.10 4.80	T	19.30 19	1
Ritmo D Eng. 138A.5000	5944033	5/10 STD	PC 04-235 PC 04-9235	5x10.2	26.70 26.70	31.10 30.10	4.40 4.10	S	19.40 19.10	1
Nuova Ritmo D Eng. 149 B3	5969365	5/10 STD	PC 04-236 PC 04-9236	5x10.2	27.20 27.20	31.10 30.10	4.40 4.10	S	19.40 19.10	1
127 D- UNO D Eng. 127A5.000 -1301 cc.	4430831	STD	PC 04-9237	6x6	22.10	29.60	3		49.50	2
Regata D/TD 1929 cc.	7574257	STD	PC 04-9238	5.5x8.7	24	29.50	3.50		61.50	2
Scudo 1.9 D Eng. XUD9	0218.49	5/10 STD	PC 04-218 PC 04-9218	5x11.5	28.10 28.10	32.50 32	4.30 4	S	18.30 18	1
131- 132 2500 D Daily -Grinta Eng. SOFIM 8140.61	7301685	10/10 STD	PC 04-207 PC 04-9207	5x12.3	30.35 30.35	36.5 35.5	4.8 4.5	S	23.8 23.5	1
Eng. Sofim Special Version			PC 04-240 PC 04-241 PC 04-242 PC 04-243 PC 04-244 PC 04-245	5x12.3 5x12.3 5x12.3 5x12.3 5x12.3 5x12.3	30.35 30.85 31.85 30.35 30.85 31.35	37 37 37 40 40 40	5 5 5 5 5 5	S S S S S S	24 24 24 24 24 24	1 1 1 1 1 1
Ducato 2800 cc. Apirato	50030-3636	7/10 STD	PC 04-246 PC 04-9246	7x14.7	32.55 32.55	39.50 38.70	5.70 5.40	S	26.30 26	1
Regata D - Nuova Ritmo D From 1983		5/10 STD	PC 04-239 PC 04-9239	5x9	26.70 26.70	31.10 30.10	4.40 4.10	S	19.40 19.10	2
Bravo - Brava From 1995 up to 2000 Marea From 1998 u to 1999 Eng. 182A7.000	46433815	STD	PC 04-9206		26	31.4			62	2
Ulisse Eng. XUD11 2088 cc.		5/10 STD	PC 04-225 PC 04-9225	5.5x12	29.70 29.70	34.50 34	4.30 4	S	19.30 19	1
Doblò 1.9 D From 2000 Eng. 223A6.000 Nuova Punto D From 1999 Eng. 188A3.000 Eng. 188A2.000	46526149	STD	PC 04-9337			31.10			72.7	2

**PRECAMERE
PRECOMBUSTION CHAMBERS**

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
Punto D From 1993 up to 1997 Marea D From 1997 up to 1999 Palio D From 1997 up to 2001 Fiorino D From 1993 up to 2001 Eng. 176B3.000	7764429	STD	PC 04-9336			26.50			58	2

FORD

Fiesta - Escort - Orion 1.6 Eng. D16	6120953	5/10 STD	PC 04-247 PC 04-9247	5x11	26.65 26.65	31 30.50	4.30 4	S	17.80 17.50	1
Fiesta - Escort - Orion Mondeo 1.8 D/TD Eng. D18 TC	6175908	5/10 STD	PC 04-248 PC 04-9248	5.5x11	27.50 27.50	31.80 31.25	5.30 5	S	17.80 17.50	1
Granada 1.9 D -2.1 D Eng. XD 90	1576426	5/10 STD	PC 04-249 PC 04-9249	5.5x12	28.80 28.80	35.50 35	4.30 4	S	18.30 18	1
Granada Eng. XD3 - XD3P	0218.54	5/10 STD	PC 04-250 PC 04-9250	5.5x12.5	31.75 31.75	37 36.50	4.30 4	S	21.30 21	1
Sierra - Granada - Scorpio Eng. XD2P - XD2 - XD 94	0218.42	5/10 STD	PC 04-251 PC 04-9251	5.5x12	28.75 28.75	35.65 35.15	4.30 4	S	18.60 18.30	1
Maverich 2.7 D Eng. Nissan 2.7 TD		5/10 STD	PC 04-252 PC 04-9252	6.5x16	33.80 33.80	37.50 37	6.30 6	S	21.60 21.30	1
Transit Eng. 2401E-2402E		2/10	PC 04-253	6x12	31.10		15	S	15	3
Transit Eng. 2401E-2402E Special versions			PC 04-254 PC 04-255	6x12 6x12	31 31.50		15 15	S S	15 15	3 3

HYUNDAI

Lantra D Eng. XUD9	0218.49	5/10 STD	PC 04-218 PC 04-9218	5x11.5	28.10 28.10	32.50 32	4.30 4	S	18.30 18	1
Galopper TD Eng. 4D55T From 1980 up to 1986		5/10 STD	PC 04-257 PC 04-9257	7x19		34.60 34.10	24.80 24.50		24.80 24.50	5
Galopper Eng. D4BH 2476 cc.		5/10 STD	PC 04-258 PC 04-9258	7.5x17		34.60 34.10	24.80 24.50	P	24.80 24.50	5
2.6 H 100 D		5/10 STD	PC 04-259 PC 04-9259	5.5x18.3		34.60 34.10	24.80 24.50	P	24.80 24.50	5
2.5 H 100 TD		5/10 STD	PC 04-260 PC 04-9260	7x19.2		34.60 34.10	24.80 24.50	P	24.80 24.50	5
H100		5/10 STD	PC 04-339 PC 04-9339	7.5x13.7	32.70 32.70	36 35.50	6.30 6	P	20.80 20.50	1

PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
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INNOCENTI

Mini 3 cil.		5/10	PC 04-231	4.5x10	25	30.50	5.30	P	16.30	1
		STD	PC 04-9231		25	30	5		16	

ISUZU

Trooper L/S/RS 3.0 TD		5/10	PC 04-274	6.5x14.5	32.75	37.50	4.90	S	20.70	1
		STD	PC 04-9274		32.75	37	4.60		20.40	
Trooper TD Eng. 4JG2TC 3059 cc. From 1992 up to 1999		7/10	PC 04-275	7.5x18.2	34.50	39.50	5	S	22.10	1
		STD	PC 04-9275		34.50	39	4.70		21.80	
KIA Besta 2200 Eng. R2/RF		5/10	PC 04-261	5x12.7	31	36.72	5.60	S	21.50	1
Sportage		5/10	PC 04-262	6x14.2	31	36	5.90	S	22.90	1
		STD	PC 04-9262		31	35.50	5.60		22.60	

LADA

Niva 4 GLX - Master Everest 1.9 TD Eng. XUD9	0218.49	5/10	PC 04-218	5x11.5	28.10	32.50	4.30	S	18.30	1
		STD	PC 04-9218		28.10	32	4		18	

LANCIA

Thema 2.5 TD		10/10	PC 04-207	5x12.3	30.35	36.5	4.8	S	23.8	1
		STD	PC 04-9207		30.35	35.5	4.5		23.5	
Delta - Dedra 1.9 TD	7574257	STD	PC 04-9238	5.5x8.7	24	29.50	3.50		61.50	2
K 2.4 TD 5 Cil.	46433815	STD	PC 04-9206		26	31.4			62	2
Lancia Z 2.1 TD 12V		5/10	PC 04-263	4.5x14	29.70	34.50	4.30	S	19.30	1
		STD	PC 04-9263		29.70	34	4		19	
Lancia Z 2.1 D		5/10	PC 04-225	5.5x12	29.70	34.50	4.30	S	19.30	1
		STD	PC 04-9225		29.70	34	4		19	

LAND ROVER

Land Rover 88 2286 CC.		5/10	PC 04-341	5x11	28.90	34.70	4.50	T	19.40	1
		STD	PC 04-9341		28.90	34.30	4.20		19.10	
Land Rover 88/109/110	558168	5/10	PC 04-264	5x12	28.90	34.70	4.50	T	19.40	1
		STD	PC 04-9264							
Land Rover 90/110 2494 cc.	ERC8649	5/10	PC 04-265	5x12	31.35	37.15	4.60	T	19.60	1
		STD	PC 04-9265		31.35	36.65	4.30		19.30	
Defender 90/110/130 Eng. 12J Flangia rotonda Round flange	ERR1223	5/10	PC 04-266	5x12	31.35	37.60	4.60	T	19.30	1
		STD	PC 04-9266		31.35	36.65	4.30		19.30	

PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
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LEYLAND

J2 - J4 VAN Tratt 504 1489 cc.	88G558	5/10 STD	PC 04-267 PC 04-9267	4x9.5	26.20 26.20	30.75 30.30	3.80 3.50	S	20.10 19.80	1
Sherpa 185-215-220 Sherpa 240-250 1798 cc.	62H128	5/10 STD	PC 04-268 PC 04-9268	4.5x10.5	28.20 28.20	34 33.50	5.30 5	S	21.90	1
New London Taxi Eng. Nissan TD27 2663 cc.		5/10 STD	PC 04-252 PC 04-9252	6.5x16	33.80 33.80	37.50 37	6.30 6	S	21.60 21.30	1

MAZDA

626 Eng. RF		5/10	PC 04-269 PC 04-9269	5.5x12.5	30 30	35.50 35	5.90 5.6	S	19.90 19.60	1
Bongo E 2200 Eng. R2/RF		5/10	PC 04-261	5x12.7	31	36.72	5.60	S	21.50	1
Mazda Eng. RF 2000 TD		5/10 STD	PC 04-333 PC 04-9333	6x15.7	32.50 32.50	38.40 37.90	5.90 5.60	S	23.40 23.10	1
Mazda Eng. RZ			PC 04-334 PC 04-9334	6.5x14	31.10 31.10	36 35.50	5.90 5.60	S	22.90 22.60	1

MITSUBISHI

Pajero TD Eng. 4D56T - 2500 cc.		5/10 STD	PC 04-270 PC 04-9270	7x19.5		34.60	24.80		24.80	5
Pajero D Eng. 4D55T-2300 cc.		5/10 STD	PC 04-257 PC 04-9257	7x19		34.60 34.10	24.80 24.50		24.80 24.50	5
Pajero Eng. 4D65T		5/10 STD	PC 04-271 PC 04-9271	5.5x11.8		29.50 29	19.30 19		19.30 19	5
Space Wagon 1.8 TD Eng. LD 300		5/10 STD	PC 04-272 PC 04-9272	5.30x14.7		31.5 31	21.6 21.3		21.6 21.3	5
Space Wagon Space Runner Eng. 4D68T		5/10 STD	PC 04-273 PC 04-9273	5.5x14.8		31.50 31	21.60 21.30		21.60 21.30	5
Pajero 2.8 TD Eng. 4M40		5/10 STD	PC 04-276 PC 04-9276	6.4x18.3		34.50 34	13.30 13		13.30 13	3

NISSAN

Vanette 1952 cc.		5/10 STD	PC 04-277 PC 04-9277	5.5x12.5	28.10 28.10	33 32.30	4.80 4.50	S	18.30 18	1
Patrol GR 2.8 TD 6 cil. Eng. RD28T		5/10 STD	PC 04-278 PC 04-9278	6x12.2	28.30 28.30	33.60 33.10	4.70 4.40	S	21.70 21.40	1
Patrol 3.2 TD Eng. SD33-336-3304		5/10 STD	PC 04-279 PC 04-9279	5x9	31.80 31.80	35.50 35	5.30 5	S	17.80 17.50	1
Autocarro SD 25 2488 cc.		5/10 STD	PC 04-280 PC 04-9280	5x11.5	31.80 31.80	35.50 35	5.30 5	S	17.80 17.50	1

PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
Patrol Con forellino		5/10 STD	PC 04-281 PC 04-9281	7x14	33 33.80	38.50 38	5.10 4.80	S	22.10 21.80	1
Patrol Ebro Nissan Trade 2.8 Eng. A4.28T		5/10 STD	PC 04-282 PC 04-9282	6x13	33 33	38.50 38	5.10 4.80	S	22.10 21.80	1
Urvan Pick up Eng. SD23 - TD25	D1107644G02	5/10 STD	PC 04-283 PC 04-9283	6x13.4	33.80	37.50	6.30	S	21.80	1
Almera - Primera Sunny Eng. CD 20	11076-57J00	5/10 STD	PC 04-284 PC 04-9284	5x13.5	28.30 28.30	33.50 33	5 4.70	S	19 18.70	1
Eng. CD 20		5/10 STD	PC 04-340 PC 04-9340	5x13.6	29.40 29.40	33.60 33.10	5.10 4.70	S	19.10 17.70	1
Pulsar - Cherry Sunny Eng. CD 17		5/10 STD	PC 04-285 PC 04-9285	5x11.5	27.50 27.50	32.70 32.20	5.20 4.90	S	19.20 18.90	1
Primera D Con forellino		5/10 STD	PC 04-286 PC 04-9286	6x12.2	28.30 28.30	33.50 33	5 4.70	S	19 18.70	1
Urvan Eng. SD 25		5/10 STD	PC 04-287 PC 04-9287	5.5x13.4	30.90 30.90	34.50 34	6.30 6	S	21.50 21.20	1
Serena 2.3 Eng. LD23 Con forellino		5/10 STD	PC 04-288 PC 04-9288	6x14	29.40 29.40	34.10 33.60	4.80 4.50	S	19.10 18.60	
Terrano II Eng. TD 27 2663 cc. From 1993 up to 1996		5/10 STD	PC 04-252 PC 04-9252	6.5x16	33.80 33.80	37.50 37	6.30 6	S	21.60 21.30	1
Patrol Eng. RD 28NT		5/10 STD	PC-04-332 PC 04-9332	14.5x5.5	29 29	33.60 33.10	4.80 4.50	S	21.80 21.60	1

OPEL

Corsa - Cadett 1.5 D Eng. 4EC1		5/10 STD	PC 04-289 PC 04-9289	5.5x13.5	25.30 25.30	30.50 30	4.30 4	S	17.30 17	1
Kadett - Ascona 1.6D Kadett - Ascona 1.7D Eng. 1.6D/DA - 1.7D/DA	642136	5/10 STD	PC 04-212 PC 04-9212	4x10	25.8 25.8	31.5 31	4.3 4	S S	17.3 17	1
Ascona - Kadett 1.6D Astra - Vectra 1.7D Eng. D1.6D/DA Eng. 1.7D/DR Eng. X1.7DTL From 1988	641249	5/10 STD	PC 04-290 PC 04-9290	5.5x11	26.60 26.60	32.50 31.85	4.30 4	S	17.30 17	1
Astra 1.7 Vectra Eng. DR/DTL Int. Diverso da PC 04-290 Inside different from	5642102	5/10 STD	PC 04-291 PC 04-9291	5.5x11.5	26.55 26.55	32.50 31.85	4.30 4	S	17.20 16.90	1
Corsa - Astra - Vectra 1.7D Eng. 4EE1 Isuzu From 1996		5/10 STD	PC 04-292 PC 04-9292	5x11.5	26.75 26.75	33.50 33	4.30 4	S	18.80 18.50	1

PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
Vectra - Astra TD Eng. 4EE1T up to 1994		5/10 STD	PC 04-294 PC 04-9294	6x13.7	28.75 28.75	35.50 35	4.30 4	S	18.80 18.50	1
Corsa - Astra - Vectra 1.7D Eng. 4EE1T Isuzu from 1994		5/10 STD	PC 04-293 PC 04-9293	5.5x13.5	26.75 26.75	33.50 33	4.30 4	S	18.80 18.50	1
1500 D Eng. Isuzu		5/10 STD	PC 04-295 PC 04-9295	5x13.5	28.75 28.75	35.50 35	4.30 4	S	18.80 18.50	1
Rekord 2.1/2.3 D	3456541	5/10 STD	PC 04-211 PC 04-9211	5.5x12	29.7 29.7	34.5 34	4.3 4	S	22.8 22.5	1
Omega 2.3D Eng. 2.3 YD		5/10 STD	PC 04-296 PC 04-9296	5x11.5	29.60 29.60	34.50 34	4.30 4	S	22.90 22.60	1
Monterey 3.1DI - TD Eng. 4JC2TC From 1992 up to 1999		7/10 STD	PC 04-275 PC 04-9275	7.5x18.2	34.50 34.50	39.50 39	5 4.70	S	22.10 21.80	1

PERKINS

M/Ferguson MF35 Eng. Perkins		5/10	PC 04-297		30.35	36.10	4.80	S	22.30	1
Perkins Eng. 4.108-4.99	37443591	5/10	PC 04-210	14		32	10		10	3
Perkins Eng. 4.108-4.99		5/10	PC 04-298	11		32	10		10	3
Perkins Eng. 4.154 2523 cc.	37443751	2/10	PC 04-299	15		35	11.50		11.50	3
Perkins Eng. 100.104.19 1900 cc.		5/10 STD	PC 04-300 PC 04-9300	5.5x12	27.35 27.35	32.50 32	4.30 4	S	20.80 20.50	1

PEUGEOT

106 D Eng. TUD3	95646272	5/10 2 MM STD	PC 04-215 PC 04-227 PC 04-9215	4.5x11	25.85 25.85 25.85	30.10 32 29.50	4.40 4.40 4.10	S	15.60 15.60 15.30	1
106 D Eng. TUD5 1527 cc.		5/10 STD	PC 04-216 PC 04-9216	4.4x10.7	26.90 26.35	31.50 31	4.30 4	S	17 16.70	1
206 1.9 D Eng. DW8	0218.85	5/10 STD	PC 04-304 PC 04-9304	4.5x11.5	28.70 28.70	32.60 32.20	4.50 4.20	S	18.70 18.40	1
305 1.9 Eng. XUD9-XUD9T-XUD7T/TE	0218.49	5/10 STD	PC 04-218 PC 04-9218	5x11.5	28.10 28.10	32.50 32	4.30 4	S	18.30 18	1
505 D Eng. XD2	0218.42	5/10 STD	PC 04-251 PC 04-9251	5.5x12	28.75 28.75	35.65 35.15	4.30 4	S	18.60 18.30	1
205 D Eng. XUD7	0218.52	5/10 STD	PC 04-217 PC 04-9217	5x13.7	29.70 29.70	34.50 34	4.30 4	S	19.30 19	1
505 GTD Eng. XD3	0218.54	5/10 STD	PC 04-250 PC 04-9250	5.5x12.5	31.75 31.75	37 36.50	4.30 4	S	21.30 21	1
Boxer 2.5D Eng. DJ5 from 1994	0218.70	5/10 STD	PC 04-301 PC 04-9301	5.5x13.5	32.20 31.70	37.50 37	4.50 4.20	S	22.80 22.50	1
605 Eng. DK5 ATE	0218.72	5/10 STD	PC 04-302 PC 04-9302	5.5x16	32.20 31.70	37.50 37	4.50 4.20	S	22.80 22.50	1
605-806 Eng. DX5-DJ5T	0218.71	5/10 STD	PC 04-226 PC 04-9226	5x18.5	32.20 31.70	36.90 36.50	4.30 4	S	22.80 22.50	1

PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
Eng. XUD11 2088 cc.		5/10 STD	PC 04-225 PC 04-9225	5.5x12	29.70 29.70	34.50 34	4.30 4	S	19.30 19	1
604 2.5 GTD Eng. XUD3T/TE		5/10 STD	PC 04-342 PC 04-9342	6x12.8	31.75 31.75	37.15 36.50	4.30 4	S	21.30 21	1
605 Eng. DJ5T/DK5 ATE	0218.76	5/10 STD	PC 04-303 PC 04-9303	6.5x14.6	31.70 31.70	37.50 37	4.30 4	S	22.50 22.20	

PIAGGIO

Ape D		10/10 STD	PC 04-305 PC 04-9305	5x11.5	27.40 27.40	34 33	4.40 4.10	S	17.40 17.10	1
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RENAULT

Clio - Express Eng. F8Q-F8M730	3343716-1	5/10 STD	PC 04-306 PC 04-9306	5x10.8	27.80 27.80	38.10 37.50	4.50 4.25	S	32.90 32.60	4
R9 - R11 Eng. F8M 720	7701366177	5/10 STD	PC 04-307 PC 04-9307	5x10.8	27.80 27.80	34.10 33.50	4.50 4.25	S	32.90 32.60	4
R9 - R11 Eng. F8M 700	3342461-5	5/10 STD	PC 04-308 PC 04-9308	5x10.8	27.80 27.80	34.10 33.50	4.50 4.25	S	32.90 32.60	4
Cherokee Eng. 852/702	7701462231	5/10 STD	PC 04-309 PC 04-9309	6x11.5	30 30	36 35.55	4.50 4.25	S	37 36.7	4
Master Engine Sofim	7301685	10/10 STD	PC 04-207 PC 04-9207	5x12.3	30.35 30.35	36.5 35.5	4.8 4.5	S	23.8 23.5	1
Eng. Sofim Special Version			PC 04-240 PC 04-241 PC 04-242 PC 04-243 PC 04-244 PC 04-245	5x12.3 5x12.3 5x12.3 5x12.3 5x12.3 5x12.3	30.35 30.85 31.85 30.35 30.85 31.35	37 37 37 40 40 40	5 5 5 5 5 5	S S S S S S	24 24 24 24 24 24	1 1 1 1 1 1
Chamade R19 1.9 D Eng. F8Q	7701366297	5/10 STD	PC 04-310 PC 04-9310	5.5x11	32 32	38.10 37.50	4.50 4.25	P	17.90 17.60	1
Chamade Eng. F8Q TD		5/10 STD	PC 04-311 PC 04-9311	6x12	32 32	38.10 37.50	4.50 4.25	P	17.90 17.60	1
Megane Eng. F8Q620 1870 cc. From 1995	7700105264	5/10 STD	PC 04-315 PC 04-9315	6x11.5	32 32	38.10 37.50	4.50 4.25	S	17.90 17.60	1
Espace - Laguna 2.1 TD Eng. J8S TD	7700856475	5/10 STD	PC 04-312 PC 04-9312	6x13	30.10 30.10	36 35.50	4.50 4.20	S	18.50 18.20	1
Espace - Laguna 2.1 D Eng. J8S	7700735259	5/10 STD	PC 04-313 PC 04-9313	5.5x11.3	30.10 30.10	36 35.50	4.50 4.20	S	18.50 18.20	1
Laguna - Megane Eng. G8T		5/10 STD	PC 04-314 PC 04-9314	5.5x13	29.65 29.65	37.15 36.65	4.50 4.20	S	20.30 20	1
Laguna 2.2 Eng. G8T706		5/10 STD	PC 04-316 PC 04-9316	5.5x13	29.65 29.65	37.15 36.65	4.50 4.20	P	20.30 20	1
Kangoo - Scenic - Trafic 1.9D	7700105237	5/10 STD	PC 04-317 PC 04-9317	6x11.5	32 32	38.10 37.50	4.50 4.25	S	17.90 17.60	1

PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
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ROVER

Metro 1.3 D Eng. TUD3 From 1993	95646272	5/10 2 MM STD	PC 04-215 PC 04-227 PC 04-9215	4.5x11	25.85 25.85 25.85	30.10 32 29.50	4.40 4.40 4.10	S	15.60 15.60 15.30	1
218 D - 418 D Eng. XUD9A - XUD7 TE From 1993	0218.49	5/10 STD	PC 04-218 PC 04-9218	5x11.5	28.10 28.10	32.50 32	4.30 4	S	18.30 18	1

SUZUKI

Vitara 1.9D Eng. XUD9	0218.49	5/10 STD	PC 04-218 PC 04-9218	5x11.5	28.10 28.10	32.50 32	4.30 4	S	18.30 18	1
450 L Eng. GS 450 TD		5/10 STD	PC 04-260 PC 04-9260	7x19.2		34.60 34.10	24.80 24.50	P	24.80 24.50	5

TOYOTA

Toyota H160 Land Cruiser HJ45 3576 cc.		5/10 STD	PC 04-318 PC 04-9318	6x13	32.90 32.90	36.50 36	6.30 6	P	22.30 22	1
Land Cruiser Eng. B-B1 2977 cc.		5/10 STD	PC 04-319 PC 04-9319	7x14.5	34.75 34.75	38.50 38	6.30 6	p	22.30 22	1
Land Cruiser LJ 70 Eng. 2LT	11161-54050	5/10 STD	PC 04-320 PC 04-9320	6x15.5	32 32	36 35.50	6.30 6	P	22.30 22	1
Crown LS 110 Eng. L2188 cc.		5/10 STD	PC 04-321 PC 04-9321	6x13	30 30	34.50 34	6.30 6	P	22.30 22	1
Toyota Eng. 2LT-NT 2500 cc.	11061-54110	5/10 STD	PC 04-322 PC 04-9322	6.5x16	33.50 33.50	37.15 36.65	6.30 6	P	22.30 22	1
Corolla - Carina - Camry Eng. 1C/2C	642020	5/10 STD	PC 04-323 PC 04-9323	5.5x12.8	27.50 27.50	32 31.45	5.30 5	P	20.80 20.50	1
Toyota 2000 TD Eng. 2CT		5/10 STD	PC 04-324 PC 04-9324	6x14.5	27.50 27.50	32 31.45	5.30 5	P	20.80 20.50	1
Picnic Eng. 3C-TE 2.2. TD	11161-64150	5/10 STD	PC 04-325 PC 04-9325	7x13.8	31.05 31.05	34.20 33.70	5.30 5	P	20.10 19.80	1
Land Cruiser 3.0 TD Eng. 1KZ-T		5/10 STD	PC 04-326 PC 04-9326	7x16.5	34.10 34.10	39.20 38.50	6.50 6	P	23.30 22.80	1
Dayna 150 Eng. 5L		5/10 STD	PC 04-338 PC 04-9338	7x16.9	33.30 33.30	37.15 36.55	6.30 6	P	22 21.70	1

VOLKSWAGEN

Golf -Jetta 1.6	069 103 391	5/10 STD	PC 04-208 PC 04-9208	5x11	27.35 27.35	32.5 32	4.3 4	S	17.30 17	1
Polo D 1.3 Golf - Jetta D/LD/GLD 1470 cc.	068 103 391	5/10 STD	PC 04-327 PC 04-9327	5x11	25.40 25.40	30.50 30	4.30 4	S	17.30 17	1
Golf GTD		5/10 STD	PC 04-209 PC 04-9209	5x11.5	27.35 27.35	32.50 32	4.30 4	S	17.30 17	1
Golf TD Intercooler		5/10 STD	PC 04-328 PC 04-9328	5x11.5	25.40 25.40	30.50 30	4.30 4	S	17.30 17	1

PRECAMERE PRECOMBUSTION CHAMBERS

MARCA E MODELLO make type	N. ORIGINALE o.e. number	STD/OS	RIF. FRECCIA Freccia ref.	A	DG	DF	ST	T/S/P	h	STYLE
Golf 1.9 Ecodiesel	028 103 391M	5/10 STD	PC 04-329 PC 04-9329	5.5x12.5	27.85 27.85	32.50 32	4.30 4	S	17.30 17	1
Golf - Passat - Vento 1.9 TD	028 109 391L	5/10 STD	PC 04-330 PC 04-9330	5x11.5	27.85 27.85	32.50 32	4.30 4	S	17.30 17	1

VOLVO

244D-245D-264GLD 740D-760D-940D-960D	1257012	5/10 STD	PC 04-331 PC 04-9331	5x11	27.50 27.50	32.50 32	4.30 4	S	17.30 17	1
244D 740-760 GLE TD 940-960 GLD TD Eng. DV	069 103 391	5/10 STD	PC 04-208 PC 04-9208	5x11	27.35 27.35	32.5 32	4.3 4	S	17.30 17	1
240 2.4 6 Cil. Eng. D24S From 1979 up to 1992	028 103 391M	5/10 STD	PC 04-329 PC 04-9329	5.5x12.5	27.85 27.85	32.50 32	4.30 4	S	17.30 17	1
340 1.6 D Eng. D16 From 1984 up to 1988	7701366177	5/10 STD	PC 04-307 PC 04-9307	5x10.8	27.80 27.80	34.10 33.50	4.50 4.25	S	32.90 32.60	4
340 1.6 D Eng. D16 From 1991 up to 1998	3342461-5	5/10 STD	PC 04-308 PC 04-9308	5x10.8	27.80 27.80	34.10 33.50	4.50 4.25	S	32.90 32.60	4
440 - 460 TD Eng. F8Q 1.9 TD		5/10 STD	PC 04-311 PC 04-9311	6x12	32 32	38.10 37.50	4.50 4.25	P	17.90 17.60	1
340-343-345 Eng. D16	3343716-1	5/10 STD	PC 04-306 PC 04-9306	5x10.8	27.80 27.80	38.10 37.50	4.50 4.25	S	32.90 32.60	4

freccia

PASTIGLIE REGISTRO VALVOLE

VALVE SHIMS

PASTILLES DE RÉGLAGE SOUPAGE

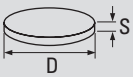
VENTILEINSTELLSCHEIBEN

DISCOS DE REGLAJE

ОБКЛАДКА РЕГУЛЯТОРА КЛАПАНА

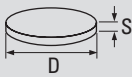


PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 270	13.42 x 3.42	A	N
	01 - 271	13.42 x 3.46	A	N
	01 - 272	13.42 x 3.50	A	N
	01 - 273	13.42 x 3.54	A	N
	01 - 326	13.42 x 3.58	A	N
	01 - 327	13.42 x 3.62	A	N
	01 - 328	13.42 x 3.66	A	N

DAIHATSU

550610648	01 - 100	31 x 2.70	A	N
550610650	01 - 101	31 x 2.75	A	N
550610652	01 - 102	31 x 2.80	A	N
550610654	01 - 103	31 x 2.85	A	N
550610656	01 - 104	31 x 2.90	A	N
550610658	01 - 105	31 x 2.95	A	N
550610660	01 - 106	31 x 3.00	A	N
550610662	01 - 107	31 x 3.05	A	N
550610664	01 - 108	31 x 3.10	A	N
550610666	01 - 109	31 x 3.15	A	N
550610668	01 - 110	31 x 3.20	A	N
550610670	01 - 111	31 x 3.25	A	N
550610672	01 - 112	31 x 3.30	A	N
550610674	01 - 113	31 x 3.35	A	N
550610676	01 - 114	31 x 3.40	A	N
550610678	01 - 115	31 x 3.45	A	N
550610680	01 - 116	31 x 3.50	A	N
550610682	01 - 117	31 x 3.55	A	N
550610684	01 - 118	31 x 3.60	A	N
550610686	01 - 119	31 x 3.65	A	N
550610688	01 - 120	31 x 3.70	A	N
	01 - 121	31 x 3.75	A	N
	01 - 122	31 x 3.80	A	N
	01 - 123	31 x 3.85	A	N
	01 - 124	31 x 3.90	A	N
	01 - 125	31 x 3.95	A	N
	01 - 126	31 x 4.00	A	N
	01 - 127	31 x 4.05	A	N
	01 - 128	31 x 4.10	A	N
	01 - 129	31 x 4.15	A	N
	01 - 130	31 x 4.20	A	N
	01 - 131	31 x 4.25	A	N
	01 - 132	31 x 4.30	A	N
	01 - 133	31 x 4.35	A	N
	01 - 134	31 x 4.40	A	N
	01 - 135	31 x 4.45	A	N
	01 - 136	31 x 4.50	A	N
	01 - 493	31 x 4.55	A	N
	01 - 494	31 x 4.60	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 495	31 x 4.65	A	N
	01 - 496	31 x 4.70	A	N

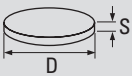
FIAT

124 - 125 - 128 - 131 - 132 - 127 - REGATA D - RITMO D
 UNO D - TIPO - TEMPRA - CROMA - SCUDO BENZINA
 PUNTO 90 1581 CC. - PUNTO GT - DOBLO 1.9D - 1.9 JTD
 STILO 1.9 JTD - PALIO 1.7 TD - MULTIPLA 1.9 JTD
 THEMA IE TURBO

	01 - 137	33 x 2.50	A	N
	01 - 138	33 x 2.55	A	N
	01 - 139	33 x 2.60	A	N
	01 - 140	33 x 2.65	A	N
	01 - 141	33 x 2.70	A	N
	01 - 142	33 x 2.75	A	N
	01 - 143	33 x 2.80	A	N
	01 - 144	33 x 2.85	A	N
	01 - 145	33 x 2.90	A	N
	01 - 146	33 x 2.95	A	N
	01 - 147	33 x 3.00	A	N
	01 - 148	33 x 3.05	A	N
	01 - 149	33 x 3.10	A	N
	01 - 150	33 x 3.15	A	N
	01 - 151	33 x 3.20	A	N
4204141	01 - 152	33 x 3.25	A	N
4204142	01 - 153	33 x 3.30	A	N
4204143	01 - 154	33 x 3.35	A	N
4204144	01 - 155	33 x 3.40	A	N
4204145	01 - 156	33 x 3.45	A	N
4152449	01 - 157	33 x 3.50	A	N
4152450	01 - 158	33 x 3.55	A	N
4152451	01 - 159	33 x 3.60	A	N
4152452	01 - 160	33 x 3.65	A	N
4152453	01 - 161	33 x 3.70	A	N
4152454	01 - 162	33 x 3.75	A	N
4152455	01 - 163	33 x 3.80	A	N
4152456	01 - 164	33 x 3.85	A	N
4152457	01 - 165	33 x 3.90	A	N
4152458	01 - 166	33 x 3.95	A	N
4152448	01 - 167	33 x 4.00	A	N
4152459	01 - 168	33 x 4.05	A	N
4152460	01 - 169	33 x 4.10	A	N
4152461	01 - 170	33 x 4.15	A	N
4152462	01 - 171	33 x 4.20	A	N
4152463	01 - 172	33 x 4.25	A	N
4152464	01 - 173	33 x 4.30	A	N
4152465	01 - 174	33 x 4.35	A	N
4152466	01 - 175	33 x 4.40	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

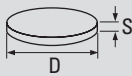


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
4152467	01 - 176	33 x 4.45	A	N
4152468	01 - 177	33 x 4.50	A	N
4162888	01 - 178	33 x 4.55	A	N
4162889	01 - 179	33 x 4.60	A	N
4162890	01 - 180	33 x 4.65	A	N
4162891	01 - 181	33 x 4.70	A	N
4294418	01 - 182	33 x 4.75	A	N
4294419	01 - 183	33 x 4.80	A	N
4294420	01 - 184	33 x 4.85	A	N
4294421	01 - 185	33 x 4.90	A	N
	01 - 575	33 X 4.95	A	N
	01 - 564	33 X 5.00	A	N
	01 - 565	33 X 5.05	A	N
	01 - 566	33 X 5.10	A	N
	01 - 567	33 X 5.20	A	N

FIAT- LANCIA

UNO - PANDA - PUNTO 55 - 60 - 75 - PUNTO II VAN I.2
PUNTO III I.2 8V - NUOVA PANDA I.2 8V - PALIO I.2
CINQUECENTO I.1 - SEICENTO I.1 - DOBLO VAN I.2
Y10 - Y I.1 - Y I.2 - ENG. FIRE - YPSILION I.2 8V

	01 - 100	31 x 2.70	A	N
	01 - 101	31 x 2.75	A	N
	01 - 102	31 x 2.80	A	N
	01 - 103	31 x 2.85	A	N
	01 - 104	31 x 2.90	A	N
	01 - 105	31 x 2.95	A	N
	01 - 106	31 x 3.00	A	N
	01 - 107	31 x 3.05	A	N
	01 - 108	31 x 3.10	A	N
	01 - 109	31 x 3.15	A	N
5942889	01 - 110	31 x 3.20	A	N
5942862	01 - 111	31 x 3.25	A	N
5942863	01 - 112	31 x 3.30	A	N
5942864	01 - 113	31 x 3.35	A	N
5942865	01 - 114	31 x 3.40	A	N
5942866	01 - 115	31 x 3.45	A	N
5942867	01 - 116	31 x 3.50	A	N
5942868	01 - 117	31 x 3.55	A	N
5942869	01 - 118	31 x 3.60	A	N
5942870	01 - 119	31 x 3.65	A	N
5942871	01 - 120	31 x 3.70	A	N
5942872	01 - 121	31 x 3.75	A	N
5942873	01 - 122	31 x 3.80	A	N
5942874	01 - 123	31 x 3.85	A	N
5942875	01 - 124	31 x 3.90	A	N
5942876	01 - 125	31 x 3.95	A	N
5942861	01 - 126	31 x 4.00	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
5942877	01 - 127	31 x 4.05	A	N
5942878	01 - 128	31 x 4.10	A	N
5942879	01 - 129	31 x 4.15	A	N
5942880	01 - 130	31 x 4.20	A	N
5942881	01 - 131	31 x 4.25	A	N
5942882	01 - 132	31 x 4.30	A	N
5942883	01 - 133	31 x 4.35	A	N
5942884	01 - 134	31 x 4.40	A	N
5942885	01 - 135	31 x 4.45	A	N
5942886	01 - 136	31 x 4.50	A	N
	01 - 493	31 x 4.55	A	N
	01 - 494	31 x 4.60	A	N
	01 - 495	31 x 4.65	A	N
	01 - 496	31 x 4.70	A	N

FIAT

ULYSSE I.9 TD - SCUDO I.9 TD - DUCATO 94 2.0 BENZ
DUCATO 02 2.0 MPI

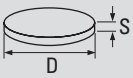
LANCIA

Z 2.0 IE

	01 - 225	13.42 x 1.62	A	N
	01 - 226	13.42 x 1.66	A	N
	01 - 227	13.42 x 1.70	A	N
	01 - 228	13.42 x 1.74	A	N
	01 - 229	13.42 x 1.78	A	N
	01 - 230	13.42 x 1.82	A	N
	01 - 231	13.42 x 1.86	A	N
	01 - 232	13.42 x 1.90	A	N
	01 - 233	13.42 x 1.94	A	N
	01 - 234	13.42 x 1.98	A	N
	01 - 235	13.42 x 2.02	A	N
	01 - 236	13.42 x 2.06	A	N
	01 - 237	13.42 x 2.10	A	N
	01 - 238	13.42 x 2.14	A	N
	01 - 239	13.42 x 2.18	A	N
	01 - 240	13.42 x 2.22	A	N
	01 - 241	13.42 x 2.26	A	N
	01 - 242	13.42 x 2.30	A	N
	01 - 243	13.42 x 2.34	A	N
	01 - 244	13.42 x 2.38	A	N
	01 - 245	13.42 x 2.42	A	N
	01 - 246	13.42 x 2.46	A	N
	01 - 247	13.42 x 2.50	A	N
	01 - 248	13.42 x 2.54	A	N
	01 - 249	13.42 x 2.58	A	N
	01 - 250	13.42 x 2.62	A	N
	01 - 251	13.42 x 2.66	A	N
	01 - 252	13.42 x 2.70	A	N



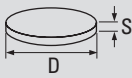
PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 253	13.42 x 2.74	A	N
	01 - 254	13.42 x 2.78	A	N
	01 - 255	13.42 x 2.82	A	N
	01 - 256	13.42 x 2.86	A	N
	01 - 257	13.42 x 2.90	A	N
	01 - 258	13.42 x 2.94	A	N
	01 - 259	13.42 x 2.98	A	N
	01 - 260	13.42 x 3.02	A	N
	01 - 261	13.42 x 3.06	A	N
	01 - 262	13.42 x 3.10	A	N
	01 - 263	13.42 x 3.14	A	N
	01 - 264	13.42 x 3.18	A	N
	01 - 265	13.42 x 3.22	A	N
	01 - 266	13.42 x 3.26	A	N
	01 - 267	13.42 x 3.30	A	N
	01 - 268	13.42 x 3.34	A	N
	01 - 269	13.42 x 3.38	A	N
	01 - 270	13.42 x 3.42	A	N
	01 - 271	13.42 x 3.46	A	N
	01 - 272	13.42 x 3.50	A	N
	01 - 273	13.42 x 3.54	A	N
	01 - 326	13.42 x 3.58	A	N
	01 - 327	13.42 x 3.62	A	N
	01 - 328	13.42 x 3.66	A	N

FIAT

PANDA 1.1 - 1.2 8V - GRANDE PUNTO 1.2 - 1.4 8V - IDEA 1.4 8V

55194607	01 - 576	31 X 1.80	A-SPECIAL	N
55194608	01 - 577	31 X 1.85	A-SPECIAL	N
55194609	01 - 578	31 X 1.90	A-SPECIAL	N
55194611	01 - 579	31 X 1.95	A-SPECIAL	N
55194613	01 - 580	31 X 2.00	A-SPECIAL	N
55194615	01 - 581	31 X 2.05	A-SPECIAL	N
55194617	01 - 582	31 X 2.10	A-SPECIAL	N
55194619	01 - 583	31 X 2.15	A-SPECIAL	N
55194621	01 - 584	31 X 2.20	A-SPECIAL	N
55194623	01 - 585	31 X 2.25	A-SPECIAL	N
55194625	01 - 586	31 X 2.30	A-SPECIAL	N
55194627	01 - 587	31 X 2.35	A-SPECIAL	N
55194629	01 - 588	31 X 2.40	A-SPECIAL	N
55194631	01 - 589	31 X 2.45	A-SPECIAL	N
55194633	01 - 590	31 X 2.50	A-SPECIAL	N
55194635	01 - 591	31 X 2.55	A-SPECIAL	N
55194637	01 - 592	31 X 2.60	A-SPECIAL	N
55194639	01 - 593	31 X 2.65	A-SPECIAL	N
55194641	01 - 594	31 X 2.70	A-SPECIAL	N
55194643	01 - 595	31 X 2.75	A-SPECIAL	N
55194645	01 - 596	31 X 2.80	A-SPECIAL	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
55194647	01 - 597	31 X 2.85	A-SPECIAL	N
55194649	01 - 598	31 X 2.90	A-SPECIAL	N
55194651	01 - 599	31 X 2.95	A-SPECIAL	N
55194653	01 - 600	31 X 3.00	A-SPECIAL	N
55194655	01 - 601	31 X 3.05	A-SPECIAL	N
55194657	01 - 602	31 X 3.10	A-SPECIAL	N
55194659	01 - 603	31 X 3.15	A-SPECIAL	N
55194661	01 - 604	31 X 3.20	A-SPECIAL	N
55194663	01 - 605	31 X 3.25	A-SPECIAL	N
55194665	01 - 606	31 X 3.30	A-SPECIAL	N

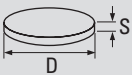
FORD

FIESTA - ESCORT - SIERRA - ENG. 1.6 D

	01 - 100	31 x 2.70	A	N
	01 - 101	31 x 2.75	A	N
	01 - 102	31 x 2.80	A	N
	01 - 103	31 x 2.85	A	N
	01 - 104	31 x 2.90	A	N
	01 - 105	31 x 2.95	A	N
84FM6K514AAA	01 - 106	31 x 3.00	A	N
84FM6J514ABA	01 - 107	31 x 3.05	A	N
84FM6K514ACA	01 - 108	31 x 3.10	A	N
84FM6K514ADA	01 - 109	31 x 3.15	A	N
84FM6K514AEA	01 - 110	31 x 3.20	A	N
84FM6K514AFA	01 - 111	31 x 3.25	A	N
84FM6K514AGA	01 - 112	31 x 3.30	A	N
84FM6K514AHA	01 - 113	31 x 3.35	A	N
84FM6K514AJA	01 - 114	31 x 3.40	A	N
84FM6K514AKA	01 - 115	31 x 3.45	A	N
84FM6K514ALA	01 - 116	31 x 3.50	A	N
84FM6K514AMA	01 - 117	31 x 3.55	A	N
84FM6K514ANA	01 - 118	31 x 3.60	A	N
84FM6K514ARA	01 - 119	31 x 3.65	A	N
84FM5K514ASA	01 - 120	31 x 3.70	A	N
84FM6K514ATA	01 - 121	31 x 3.75	A	N
84FM6K514BAA	01 - 122	31 x 3.80	A	N
84FM6K514BBA	01 - 123	31 x 3.85	A	N
84FM6K514BCA	01 - 124	31 x 3.90	A	N
84FM6K514BDA	01 - 125	31 x 3.95	A	N
84FM6K514BEA	01 - 126	31 x 4.00	A	N
84FM6K514BFA	01 - 127	31 x 4.05	A	N
84FM6K514BGA	01 - 128	31 x 4.10	A	N
84FM6K514BHA	01 - 129	31 x 4.15	A	N
84FM6K514BJA	01 - 130	31 x 4.20	A	N
84FM6K514BKA	01 - 131	31 x 4.25	A	N
84FM6K514BLA	01 - 132	31 x 4.30	A	N
	01 - 133	31 x 4.35	A	N
	01 - 134	31 x 4.40	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 135	31 x 4.45	A	N
	01 - 136	31 x 4.50	A	N
	01 - 493	31 x 4.55	A	N
	01 - 494	31 x 4.60	A	N
	01 - 495	31 x 4.65	A	N
	01 - 496	31 x 4.70	A	N

FORD

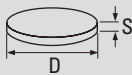
FOCUS - MONDEO - COUGAR - ENG. ZETEC E SEFI
1.6/1.8 16V / 20V

	01 - 458	27.5 x 1.80	A	N
	01 - 459	27.5 x 1.85	A	N
	01 - 460	27.5 x 1.90	A	N
	01 - 461	27.5 x 1.95	A	N
	01 - 356	27.5 x 2.00	A	N
	01 - 357	27.5 x 2.05	A	N
	01 - 358	27.5 x 2.10	A	N
	01 - 359	27.5 x 2.15	A	N
	01 - 360	27.5 x 2.20	A	N
	01 - 361	27.5 x 2.25	A	N
	01 - 362	27.5 x 2.30	A	N
	01 - 363	27.5 x 2.35	A	N
	01 - 364	27.5 x 2.40	A	N
	01 - 365	27.5 x 2.45	A	N
	01 - 366	27.5 x 2.50	A	N
	01 - 367	27.5 x 2.55	A	N
	01 - 368	27.5 x 2.60	A	N
	01 - 369	27.5 x 2.65	A	N
	01 - 370	27.5 x 2.70	A	N
	01 - 502	27.5 x 2.75	A	N
	01 - 372	27.5 x 2.80	A	N
	01 - 373	27.5 x 2.85	A	N
	01 - 374	27.5 x 2.90	A	N
	01 - 375	27.5 x 2.95	A	N
	01 - 376	27.5 x 3.00	A	N
	01 - 503	27.5 x 3.05	A	N
	01 - 504	27.5 x 3.10	A	N
	01 - 505	27.5 x 3.15	A	N
	01 - 506	27.5 x 3.20	A	N
	01 - 507	27.5 x 3.25	A	N
	01 - 509	27.5 x 3.30	A	N

FORD

FIESTA IV - ENG. ZETEC SE - 1.2I 16V - FIESTA IV - PUMA
FOCUS - ENG. ZETEC SE - 1.4I 16V

1004306	01 - 490	25 x 2.00	A	N
1004308	01 - 491	25 x 2.05	A	N
1004310	01 - 492	25 x 2.10	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
1004314	01 - 462	25 x 2.15	A	N
1004317	01 - 463	25 x 2.20	A	N
1004321	01 - 464	25 x 2.25	A	N
1004327	01 - 465	25 x 2.30	A	N
1004332	01 - 466	25 x 2.35	A	N
1004335	01 - 467	25 x 2.40	A	N
1004340	01 - 468	25 x 2.45	A	N
1004343	01 - 469	25 x 2.50	A	N
1004345	01 - 470	25 x 2.55	A	N
1004347	01 - 471	25 x 2.60	A	N
1004349	01 - 472	25 x 2.65	A	N
1004351	01 - 473	25 x 2.70	A	N
1004353	01 - 474	25 x 2.75	A	N
1004356	01 - 475	25 x 2.80	A	N
1004359	01 - 476	25 x 2.85	A	N
1004363	01 - 477	25 x 2.90	A	N
1004367	01 - 478	25 x 2.95	A	N
1009973	01 - 479	25 x 3.00	A	N
1004388	01 - 480	25 x 3.05	A	N
1009974	01 - 481	25 x 3.10	A	N
1004392	01 - 482	25 x 3.15	A	N
1004394	01 - 483	25 x 3.20	A	N
1004396	01 - 484	25 x 3.25	A	N
1004399	01 - 485	25 x 3.30	A	N
	01 - 486	25 x 3.35	A	N
	01 - 487	25 x 3.40	A	N
	01 - 488	25 x 3.45	A	N
	01 - 489	25 x 3.50	A	N

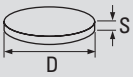
IVECO

ENG. SOFIM - 131 DIESEL - 132 DIESEL - 242 DIESEL
ARGENTA DIESEL - CROMA DIESEL - DUCATO DIESEL 82/90
DAILY 30.8 - 35.8 - 40.8
LANCIA DIESEL
THEMA TD

4713210	01 - 569	40 X 3.25	A	N
4713211	01 - 275	40 x 3.30	A	N
4713212	01 - 276	40 x 3.35	A	N
4713213	01 - 277	40 x 3.40	A	N
4713214	01 - 278	40 x 3.45	A	N
4713215	01 - 279	40 x 3.50	A	N
4713216	01 - 280	40 x 3.55	A	N
4713217	01 - 281	40 x 3.60	A	N
4713218	01 - 282	40 x 3.65	A	N
4713220	01 - 283	40 x 3.70	A	N
4713222	01 - 284	40 x 3.75	A	N
4713224	01 - 285	40 x 3.80	A	N
4713226	01 - 286	40 x 3.85	A	N



PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
4713228	01 - 287	40 x 3.90	A	N
4713230	01 - 288	40 x 3.95	A	N
4713209	01 - 289	40 x 4.00	A	N
4713233	01 - 290	40 x 4.05	A	N
4713235	01 - 291	40 x 4.10	A	N
4713237	01 - 292	40 x 4.15	A	N
4713239	01 - 293	40 x 4.20	A	N
4713241	01 - 294	40 x 4.25	A	N
4713243	01 - 295	40 x 4.30	A	N
4713245	01 - 296	40 x 4.35	A	N
4713247	01 - 297	40 x 4.40	A	N
4713249	01 - 298	40 x 4.45	A	N
4713251	01 - 299	40 x 4.50	A	N
4713253	01 - 300	40 x 4.55	A	N
4713255	01 - 301	40 x 4.60	A	N
4713257	01 - 570	40 X 4.65	A	N
4713259	01 - 571	40 X 4.70	A	N
4713261	01 - 572	40 X 4.75	A	N
4713263	01 - 573	40 X 4.80	A	N
4713265	01 - 574	40 X 4.85	A	N
4713267	01 - 568	40 X 4.90	A	N

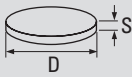
KIA DIESEL

BESTA - ENG. R2 2.2D

MAZDA DIESEL

SERIE E2000 - ENG. R2 2.2D

	01 - 510	32.35 x 3.40	A	N
	01 - 511	32.35 x 3.45	A	N
	01 - 512	32.35 x 3.50	A	N
	01 - 513	32.35 x 3.55	A	N
	01 - 514	32.35 x 3.60	A	N
	01 - 515	32.35 x 3.65	A	N
	01 - 516	32.35 x 3.70	A	N
	01 - 517	32.35 x 3.75	A	N
	01 - 518	32.35 x 3.80	A	N
	01 - 519	32.35 x 3.85	A	N
	01 - 520	32.35 x 3.90	A	N
	01 - 521	32.35 x 3.95	A	N
	01 - 522	32.35 x 4.00	A	N
	01 - 523	32.35 x 4.05	A	N
	01 - 524	32.35 x 4.10	A	N
	01 - 525	32.35 x 4.15	A	N
	01 - 526	32.35 x 4.20	A	N
	01 - 527	32.35 x 4.25	A	N
	01 - 528	32.35 x 4.30	A	N
	01 - 529	32.35 x 4.35	A	N
	01 - 530	32.35 x 4.40	A	N
	01 - 531	32.35 x 4.45	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 532	32.35 x 4.50	A	N
	01 - 533	32.35 x 4.55	A	N
	01 - 534	32.35 x 4.60	A	N

KIA DIESEL

SPORTAGE 2.0 TD - ENG. RF 1998 CC.

	01 - 535	31.15 x 3.75	A	N
	01 - 536	31.15 x 3.80	A	N
	01 - 537	31.15 x 3.85	A	N
	01 - 538	31.15 x 3.90	A	N
	01 - 539	31.15 x 3.95	A	N
	01 - 540	31.15 x 4.00	A	N
	01 - 541	31.15 x 4.05	A	N
	01 - 542	31.15 x 4.10	A	N
	01 - 543	31.15 x 4.15	A	N
	01 - 544	31.15 x 4.20	A	N
	01 - 545	31.15 x 4.25	A	N
	01 - 546	31.15 x 4.30	A	N

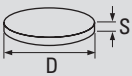
LADA

SAMARA - VAZ 2108

	01 - 100	31 x 2.70	A	N
	01 - 101	31 x 2.75	A	N
	01 - 102	31 x 2.80	A	N
	01 - 103	31 x 2.85	A	N
	01 - 104	31 x 2.90	A	N
	01 - 105	31 x 2.95	A	N
1007056	01 - 106	31 x 3.00	A	N
1007056/10	01 - 107	31 x 3.05	A	N
1007056/11	01 - 108	31 x 3.10	A	N
1007056/12	01 - 109	31 x 3.15	A	N
1007056/13	01 - 110	31 x 3.20	A	N
1007056/14	01 - 111	31 x 3.25	A	N
1007056/15	01 - 112	31 x 3.30	A	N
1007056/16	01 - 113	31 x 3.35	A	N
1007056/18	01 - 114	31 x 3.40	A	N
1007056/20	01 - 115	31 x 3.45	A	N
1007056/22	01 - 116	31 x 3.50	A	N
1007056/24	01 - 117	31 x 3.55	A	N
1007056/26	01 - 118	31 x 3.60	A	N
1007056/28	01 - 119	31 x 3.65	A	N
1007056/30	01 - 120	31 x 3.70	A	N
1007056/32	01 - 121	31 x 3.75	A	N
1007056/34	01 - 122	31 x 3.80	A	N
1007056/36	01 - 123	31 x 3.85	A	N
1007056/38	01 - 124	31 x 3.90	A	N
1007056/40	01 - 125	31 x 3.95	A	N
1007056/42	01 - 126	31 x 4.00	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

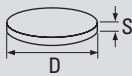


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
1007056/44	01 - 127	31 x 4.05	A	N
1007056/46	01 - 128	31 x 4.10	A	N
1007056/48	01 - 129	31 x 4.15	A	N
1007056/50	01 - 130	31 x 4.20	A	N
1007056/52	01 - 131	31 x 4.25	A	N
	01 - 132	31 x 4.30	A	N
	01 - 133	31 x 4.35	A	N
	01 - 134	31 x 4.40	A	N
	01 - 135	31 x 4.45	A	N
	01 - 136	31 x 4.50	A	N
	01 - 493	31 x 4.55	A	N
	01 - 494	31 x 4.60	A	N
	01 - 495	31 x 4.65	A	N
	01 - 496	31 x 4.70	A	N

NISSAN

MICRA 1.0i 16V - ENG. CG10GE - MICRA 1.3 16V - ENG. CG13GE
- PRIMERA 1.6 16V - ENG. GA16DS - DE

13229-53C00	01 - 413	27 x 2.00	A	N
13229-53C02	01 - 414	27 x 2.05	A	N
13229-53C05	01 - 415	27 x 2.10	A	N
13229-53Y00	01 - 416	27 x 2.15	A	N
13229-53Y03	01 - 417	27 x 2.20	A	N
13229-53Y05	01 - 418	27 x 2.25	A	N
13229-53Y08	01 - 419	27 x 2.30	A	N
13229-53Y10	01 - 420	27 x 2.35	A	N
13229-53Y13	01 - 421	27 x 2.40	A	N
13229-53Y15	01 - 422	27 x 2.45	A	N
13229-53Y18	01 - 423	27 x 2.50	A	N
13229-53Y20	01 - 424	27 x 2.55	A	N
13229-53Y23	01 - 425	27 x 2.60	A	N
13229-53Y60	01 - 426	27 x 2.65	A	N
13229-53Y63	01 - 427	27 x 2.70	A	N
13229-53Y65	01 - 428	27 x 2.75	A	N
13229-53Y68	01 - 429	27 x 2.80	A	N
13229-53Y70	01 - 430	27 x 2.85	A	N
13229-53Y73	01 - 431	27 x 2.90	A	N
13229-53Y75	01 - 432	27 x 2.95	A	N
13229-53Y78	01 - 433	27 x 3.00	A	N
	01 - 434	27 x 3.05	A	N
	01 - 435	27 x 3.10	A	N
	01 - 436	27 x 3.15	A	N
	01 - 437	27 x 3.20	A	N
	01 - 438	27 x 3.25	A	N
	01 - 439	27 x 3.30	A	N
	01 - 440	27 x 3.35	A	N
	01 - 441	27 x 3.40	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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NISSAN

PATROL ENG. TB48

	01 - 607	31 X 1.95	A	N
	01 - 608	31 X 2.00	A	N
	01 - 609	31 X 2.05	A	N
	01 - 610	31 X 2.10	A	N
	01 - 611	31 X 2.15	A	N
	01 - 612	31 X 2.20	A	N
	01 - 613	31 X 2.25	A	N
	01 - 614	31 X 2.30	A	N
	01 - 615	31 X 2.35	A	N
	01 - 616	31 X 2.40	A	N
	01 - 617	31 X 2.45	A	N
	01 - 618	31 X 2.50	A	N
	01 - 619	31 X 2.55	A	N
	01 - 620	31 X 2.60	A	N
	01 - 621	31 X 2.65	A	N
	01 - 100	31 X 2.70	A	N

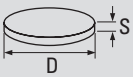
NISSAN

PATROL ENG. 2.8 TDI

13229-3C900	01 - 622	32 X 2.20	A	N
13229-3C901	01 - 623	32 X 2.25	A	N
13229-3C902	01 - 624	32 X 2.30	A	N
13229-3C903	01 - 625	32 X 2.35	A	N
13229-3C904	01 - 626	32 X 2.40	A	N
13229-3C905	01 - 627	32 X 2.45	A	N
13229-3C906	01 - 628	32 X 2.50	A	N
13229-3C907	01 - 629	32 X 2.55	A	N
13229-3C908	01 - 630	32 X 2.60	A	N
13229-3C909	01 - 631	32 X 2.65	A	N
13229-3C910	01 - 632	32 X 2.70	A	N
13229-3C911	01 - 633	32 X 2.75	A	N
13229-3C912	01 - 634	32 X 2.80	A	N
13229-3C913	01 - 635	32 X 2.85	A	N
13229-3C914	01 - 636	32 X 2.90	A	N
	01 - 637	32 X 2.95	A	N
	01 - 638	32 X 3.00	A	N
	01 - 639	32 X 3.05	A	N
	01 - 640	32 X 3.10	A	N
	01 - 641	32 X 3.15	A	N
	01 - 642	32 X 3.20	A	N



PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

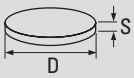
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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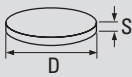
OPEL DIESEL

CORSA A-B 1.5D - ENG. ISUZU I5D4EC I

ISUZU DIESEL

GEMINI 1.5D - ENG. ISUZU I5D4EC I

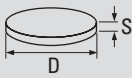
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 187	31.5 x 2.35	A	N
	01 - 188	31.5 x 2.40	A	N
	01 - 189	31.5 x 2.45	A	N
	01 - 190	31.5 x 2.50	A	N
	01 - 191	31.5 x 2.55	A	N
	01 - 192	31.5 x 2.60	A	N
	01 - 193	31.5 x 2.65	A	N
	01 - 194	31.5 x 2.70	A	N
	01 - 195	31.5 x 2.75	A	N
	01 - 196	31.5 x 2.80	A	N
	01 - 197	31.5 x 2.85	A	N
	01 - 198	31.5 x 2.90	A	N
	01 - 199	31.5 x 2.95	A	N
	01 - 200	31.5 x 3.00	A	N
	01 - 201	31.5 x 3.05	A	N
	01 - 202	31.5 x 3.10	A	N
	01 - 203	31.5 x 3.15	A	N
	01 - 204	31.5 x 3.20	A	N
	01 - 205	31.5 x 3.25	A	N
	01 - 206	31.5 x 3.30	A	N
	01 - 207	31.5 x 3.35	A	N
	01 - 208	31.5 x 3.40	A	N
	01 - 209	31.5 x 3.45	A	N
	01 - 210	31.5 x 3.50	A	N
	01 - 211	31.5 x 3.55	A	N
	01 - 212	31.5 x 3.60	A	N
	01 - 213	31.5 x 3.65	A	N
	01 - 214	31.5 x 3.70	A	N
	01 - 215	31.5 x 3.75	A	N
	01 - 216	31.5 x 3.80	A	N
	01 - 217	31.5 x 3.85	A	N
	01 - 218	31.5 x 3.90	A	N
	01 - 219	31.5 x 3.95	A	N
	01 - 220	31.5 x 4.00	A	N
	01 - 221	31.5 x 4.05	A	N
	01 - 222	31.5 x 4.10	A	N
	01 - 223	31.5 x 4.15	A	N
	01 - 224	31.5 x 4.20	A	N
	01 - 442	31.5 x 4.25	A	N
	01 - 443	31.5 x 4.30	A	N
	01 - 444	31.5 x 4.35	A	N
	01 - 445	31.5 x 4.40	A	N
	01 - 446	31.5 x 4.45	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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01 - 447 31.5 x 4.50 A N

OPEL DIESEL

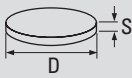
ASTRA F - VECTRA A-B - ENG. ISUZU XI7DT - 1.7 TD 16V

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 377	28 x 2.50	A	N
	01 - 378	28 x 2.55	A	N
	01 - 379	28 x 2.60	A	N
	01 - 380	28 x 2.65	A	N
	01 - 381	28 x 2.70	A	N
	01 - 382	28 x 2.75	A	N
	01 - 383	28 x 2.80	A	N
	01 - 384	28 x 2.85	A	N
	01 - 385	28 x 2.90	A	N
	01 - 386	28 x 2.95	A	N
	01 - 387	28 x 3.00	A	N
	01 - 388	28 x 3.05	A	N
	01 - 389	28 x 3.10	A	N
	01 - 390	28 x 3.15	A	N
	01 - 391	28 x 3.20	A	N
	01 - 392	28 x 3.25	A	N
	01 - 393	28 x 3.30	A	N

PEUGEOT

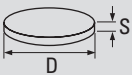
204 DIESEL - 205 DIESEL - 304 DIESEL - 305 DIESEL

806 2.0 IE - ENG. RFU

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 225	13.42 x 1.62	A	N
	01 - 226	13.42 x 1.66	A	N
	01 - 227	13.42 x 1.70	A	N
	01 - 228	13.42 x 1.74	A	N
	01 - 229	13.42 x 1.78	A	N
	01 - 230	13.42 x 1.82	A	N
	01 - 231	13.42 x 1.86	A	N
	01 - 232	13.42 x 1.90	A	N
	01 - 233	13.42 x 1.94	A	N
	01 - 234	13.42 x 1.98	A	N
	01 - 235	13.42 x 2.02	A	N
	01 - 236	13.42 x 2.06	A	N
	01 - 237	13.42 x 2.10	A	N
	01 - 238	13.42 x 2.14	A	N
	01 - 239	13.42 x 2.18	A	N
	01 - 240	13.42 x 2.22	A	N
	01 - 241	13.42 x 2.26	A	N
	01 - 242	13.42 x 2.30	A	N
	01 - 243	13.42 x 2.34	A	N
	01 - 244	13.42 x 2.38	A	N
	01 - 245	13.42 x 2.42	A	N
	01 - 246	13.42 x 2.46	A	N
	01 - 247	13.42 x 2.50	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

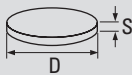


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 248	13.42 x 2.54	A	N
	01 - 249	13.42 x 2.58	A	N
	01 - 250	13.42 x 2.62	A	N
	01 - 251	13.42 x 2.66	A	N
	01 - 252	13.42 x 2.70	A	N
	01 - 253	13.42 x 2.74	A	N
	01 - 254	13.42 x 2.78	A	N
	01 - 255	13.42 x 2.82	A	N
	01 - 256	13.42 x 2.86	A	N
	01 - 257	13.42 x 2.90	A	N
	01 - 258	13.42 x 2.94	A	N
	01 - 259	13.42 x 2.98	A	N
	01 - 260	13.42 x 3.02	A	N
	01 - 261	13.42 x 3.06	A	N
	01 - 262	13.42 x 3.10	A	N
	01 - 263	13.42 x 3.14	A	N
	01 - 264	13.42 x 3.18	A	N
	01 - 265	13.42 x 3.22	A	N
	01 - 266	13.42 x 3.26	A	N
	01 - 267	13.42 x 3.30	A	N
	01 - 268	13.42 x 3.34	A	N
	01 - 269	13.42 x 3.38	A	N
	01 - 270	13.42 x 3.42	A	N
	01 - 271	13.42 x 3.46	A	N
	01 - 272	13.42 x 3.50	A	N
	01 - 273	13.42 x 3.54	A	N
	01 - 326	13.42 x 3.58	A	N
	01 - 327	13.42 x 3.62	A	N
	01 - 328	13.42 x 3.66	A	N

RENAULT

CLIO I - II - LAGUNA I | 1.8 - ENG. F3P - MEGANE - LAGUNA
 ESPACE III - ENG. F3R - EXPRESS 1.6 D - ENG. F8M - CLIO
 MEGANE - LAGUNA - KANGOO - ENG. F8Q 1.9 D

	01-449	34.7 x 2.50	A	S
	01-450	34.7 x 2.55	A	S
	01-451	34.7 x 2.60	A	S
	01-452	34.7 x 2.65	A	S
	01-453	34.7 x 2.70	A	S
	01-454	34.7 x 2.75	A	S
	01-455	34.7 x 2.80	A	S
	01-456	34.7 x 2.85	A	S
	01-330	34.7 x 2.90	A	S
	01-331	34.7 x 2.95	A	S
	01-332	34.7 x 3.00	A	S
	01-333	34.7 x 3.05	A	S
	01-334	34.7 x 3.10	A	S
	01-335	34.7 x 3.15	A	S

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01-336	34.7 x 3.20	A	S
	01-337	34.7 x 3.25	A	S
	01-338	34.7 x 3.30	A	S
	01-339	34.7 x 3.35	A	S
	01-340	34.7 x 3.40	A	S
	01-341	34.7 x 3.45	A	S
	01-342	34.7 x 3.50	A	S
	01-343	34.7 x 3.55	A	S
	01-344	34.7 x 3.60	A	S
	01-345	34.7 x 3.65	A	S
	01-346	34.7 x 3.70	A	S
	01-347	34.7 x 3.75	A	S
	01-348	34.7 x 3.80	A	S
	01-349	34.7 x 3.85	A	S
	01-350	34.7 x 3.90	A	S
	01-351	34.7 x 3.95	A	S
	01-457	34.7 x 4.00	A	S

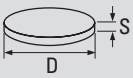
RENAULT

R 9 DIESEL - R 11 DIESEL - ENG. F8M700/720/730

	01 - 187	31.5 x 2.35	A	N
	01 - 188	31.5 x 2.40	A	N
	01 - 189	31.5 x 2.45	A	N
	01 - 190	31.5 x 2.50	A	N
	01 - 191	31.5 x 2.55	A	N
	01 - 192	31.5 x 2.60	A	N
	01 - 193	31.5 x 2.65	A	N
	01 - 194	31.5 x 2.70	A	N
	01 - 195	31.5 x 2.75	A	N
	01 - 196	31.5 x 2.80	A	N
	01 - 197	31.5 x 2.85	A	N
	01 - 198	31.5 x 2.90	A	N
	01 - 199	31.5 x 2.95	A	N
	01 - 200	31.5 x 3.00	A	N
	01 - 201	31.5 x 3.05	A	N
	01 - 202	31.5 x 3.10	A	N
	01 - 203	31.5 x 3.15	A	N
	01 - 204	31.5 x 3.20	A	N
2077722504	01 - 205	31.5 x 3.25	A	N
2077722506	01 - 206	31.5 x 3.30	A	N
2077722508	01 - 207	31.5 x 3.35	A	N
2077722510	01 - 208	31.5 x 3.40	A	N
2077722512	01 - 209	31.5 x 3.45	A	N
2077722514	01 - 210	31.5 x 3.50	A	N
2077722516	01 - 211	31.5 x 3.55	A	N
2077722518	01 - 212	31.5 x 3.60	A	N
2077722520	01 - 213	31.5 x 3.65	A	N
2077722522	01 - 214	31.5 x 3.70	A	N



PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
2077722524	01 - 215	31.5 x 3.75	A	N
2077722526	01 - 216	31.5 x 3.80	A	N
2077722528	01 - 217	31.5 x 3.85	A	N
2077722530	01 - 218	31.5 x 3.90	A	N
2077722532	01 - 219	31.5 x 3.95	A	N
2077722534	01 - 220	31.5 x 4.00	A	N
2077722536	01 - 221	31.5 x 4.05	A	N
2077722538	01 - 222	31.5 x 4.10	A	N
2077722540	01 - 223	31.5 x 4.15	A	N
2077722542	01 - 224	31.5 x 4.20	A	N
	01 - 442	31.5 x 4.25	A	N
2077722546	01 - 443	31.5 x 4.30	A	N
	01 - 444	31.5 x 4.35	A	N
2077722550	01 - 445	31.5 x 4.40	A	N
	01 - 446	31.5 x 4.45	A	N
2077722554	01 - 447	31.5 x 4.50	A	N

TOYOTA

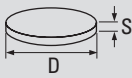
COROLLA 1.6 - ENG. 4A

	01 - 394	14 x 2.40	A	N
	01 - 395	14 x 2.45	A	N
	01 - 396	14 x 2.50	A	N
	01 - 397	14 x 2.55	A	N
	01 - 398	14 x 2.60	A	N
	01 - 399	14 x 2.65	A	N
	01 - 400	14 x 2.70	A	N
	01 - 401	14 x 2.75	A	N
	01 - 402	14 x 2.80	A	N
	01 - 403	14 x 2.85	A	N
	01 - 404	14 x 2.90	A	N
	01 - 405	14 x 2.95	A	N
	01 - 406	14 x 3.00	A	N
	01 - 407	14 x 3.05	A	N
	01 - 408	14 x 3.10	A	N
	01 - 409	14 x 3.15	A	N
	01 - 410	14 x 3.20	A	N
	01 - 411	14 x 3.25	A	N
	01 - 412	14 x 3.30	A	N

TOYOTA

CARINA - RAV - CELICA - COROLLA - CAMRY
ENG. 2VZFE - ENG. 3SFE - ENG. 3SGEL - ENG. 4EFE
ENG. 4AF/4AFP - ENG. 5SFE - ENG. 7M/GE

	01 - 490	25 x 2.00	A	N
	01 - 491	25 x 2.05	A	N
	01 - 492	25 x 2.10	A	N
	01 - 462	25 x 2.15	A	N
	01 - 463	25 x 2.20	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 464	25 x 2.25	A	N
	01 - 465	25 x 2.30	A	N
	01 - 466	25 x 2.35	A	N
	01 - 467	25 x 2.40	A	N
	01 - 468	25 x 2.45	A	N
	01 - 469	25 x 2.50	A	N
	01 - 470	25 x 2.55	A	N
	01 - 471	25 x 2.60	A	N
	01 - 472	25 x 2.65	A	N
	01 - 473	25 x 2.70	A	N
	01 - 474	25 x 2.75	A	N
	01 - 475	25 x 2.80	A	N
	01 - 476	25 x 2.85	A	N
	01 - 477	25 x 2.90	A	N
	01 - 478	25 x 2.95	A	N
	01 - 479	25 x 3.00	A	N
	01 - 480	25 x 3.05	A	N
	01 - 481	25 x 3.10	A	N
	01 - 482	25 x 3.15	A	N
	01 - 483	25 x 3.20	A	N
	01 - 484	25 x 3.25	A	N
	01 - 485	25 x 3.30	A	N
	01 - 486	25 x 3.35	A	N
	01 - 487	25 x 3.40	A	N
	01 - 488	25 x 3.45	A	N
	01 - 489	25 x 3.50	A	N

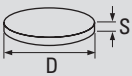
TOYOTA

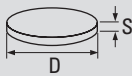
CARINA - AVENSIS - COROLLA - CELICA - LAND CRUISER
4RUNNER - ENG. 4AFE 1.6 16V - ENG. 7AFE 1.8 16V
ENG. 3SFE 2.0 - ENG. 5VZFE 3.4 24V

13753-74010	01 - 377	28 x 2.50	A	N
13753-74030	01 - 378	28 x 2.55	A	N
13753-74050	01 - 379	28 x 2.60	A	N
13753-74070	01 - 380	28 x 2.65	A	N
13753-74090	01 - 381	28 x 2.70	A	N
13753-74110	01 - 382	28 x 2.75	A	N
13753-74130	01 - 383	28 x 2.80	A	N
13753-74150	01 - 384	28 x 2.85	A	N
13753-74170	01 - 385	28 x 2.90	A	N
13753-74190	01 - 386	28 x 2.95	A	N
13753-74210	01 - 387	28 x 3.00	A	N
13753-74230	01 - 388	28 x 3.05	A	N
13753-74250	01 - 389	28 x 3.10	A	N
13753-74270	01 - 390	28 x 3.15	A	N
13753-74290	01 - 391	28 x 3.20	A	N
13753-74310	01 - 392	28 x 3.25	A	N
13753-74330	01 - 393	28 x 3.30	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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TOYOTA

DIESEL - ENG.1C 1.8D

	01 - 302	34 x 2.20	A	N
	01 - 303	34 x 2.25	A	N
	01 - 304	34 x 2.30	A	N
	01 - 305	34 x 2.35	A	N
	01 - 306	34 x 2.40	A	N
	01 - 307	34 x 2.45	A	N
	01 - 308	34 x 2.50	A	N
	01 - 309	34 x 2.55	A	N
	01 - 310	34 x 2.60	A	N
	01 - 311	34 x 2.65	A	N
	01 - 312	34 x 2.70	A	N
	01 - 313	34 x 2.75	A	N
	01 - 314	34 x 2.80	A	N
	01 - 315	34 x 2.85	A	N
	01 - 316	34 x 2.90	A	N
	01 - 317	34 x 2.95	A	N
	01 - 318	34 x 3.00	A	N
	01 - 319	34 x 3.05	A	N
	01 - 320	34 x 3.10	A	N
	01 - 321	34 x 3.15	A	N
	01 - 322	34 x 3.20	A	N
	01 - 323	34 x 3.25	A	N
	01 - 324	34 x 3.30	A	N
	01 - 325	34 x 3.35	A	N
	01 - 329	34 x 3.40	A	N

TOYOTA

LANDCRUISER 80 ENG. 1FZ-FE

13753-66020	01 - 643	30.5 X 2.50	A	N
13753-66040	01 - 644	30.5 X 2.55	A	N
13753-66060	01 - 645	30.5 X 2.60	A	N
13753-66080	01 - 646	30.5 X 2.65	A	N
13753-66100	01 - 647	30.5 X 2.70	A	N
13753-66120	01 - 648	30.5 X 2.75	A	N
13753-66140	01 - 649	30.5 X 2.80	A	N
13753-66160	01 - 650	30.5 X 2.85	A	N
13753-66180	01 - 651	30.5 X 2.90	A	N
13753-66200	01 - 652	30.5 X 2.95	A	N
13753-66220	01 - 653	30.5 X 3.00	A	N
13753-66240	01 - 654	30.5 X 3.05	A	N
13753-66260	01 - 655	30.5 X 3.10	A	N
13753-66280	01 - 656	30.5 X 3.15	A	N
13753-66300	01 - 657	30.5 X 3.20	A	N
13753-55320	01 - 658	30.5 X 3.25	A	N
13753-66340	01 - 659	30.5 X 3.30	A	N

	01 - 660	30.5 X 3.35	A	N
	01 - 661	30.5 X 3.40	A	N

TOYOTA-MITSUBISHI

LANDCRUISER - HILUX - HIACE - ENG. 2L-T 90-95

2.4D - TD

PAJERO 2.8TD - ENG. 4M40 / 4M40T 94-00

13753-54010	01 - 547	37 x 2.50	A	N
13753-54420	01 - 548	37 x 2.55	A	N
13753-54060	01 - 549	37 x 2.60	A	N
13753-54430	01 - 550	37 x 2.65	A	N
13753-54110	01 - 551	37 x 2.70	A	N
13753-54440	01 - 552	37 x 2.75	A	N
13753-54160	01 - 553	37 x 2.80	A	N
13753-54450	01 - 554	37 x 2.85	A	N
13753-54210	01 - 555	37 x 2.90	A	N
13753-54460	01 - 556	37 x 2.95	A	N
13753-54260	01 - 557	37 x 3.00	A	N
13753-54470	01 - 558	37 x 3.05	A	N
13753-54310	01 - 559	37 x 3.10	A	N
13753-54480	01 - 560	37 x 3.15	A	N
13753-54320	01 - 561	37 x 3.20	A	N
13753-54490	01 - 562	37 x 3.25	A	N
13753-54410	01 - 563	37 x 3.30	A	N

VOLKSWAGEN

PASSAT - GOLF - GOLF D - SCIROCCO - POLO

	01 - 100	31 x 2.70	A	N
	01 - 101	31 x 2.75	A	N
	01 - 102	31 x 2.80	A	N
	01 - 103	31 x 2.85	A	N
	01 - 104	31 x 2.90	A	N
	01 - 105	31 x 2.95	A	N
	01 - 106	31 x 3.00	A	N
	01 - 107	31 x 3.05	A	N
	01 - 108	31 x 3.10	A	N
	01 - 109	31 x 3.15	A	N
	01 - 110	31 x 3.20	A	N
	01 - 111	31 x 3.25	A	N
	01 - 112	31 x 3.30	A	N
	01 - 113	31 x 3.35	A	N
	01 - 114	31 x 3.40	A	N
	01 - 115	31 x 3.45	A	N
	01 - 116	31 x 3.50	A	N
	01 - 117	31 x 3.55	A	N
	01 - 118	31 x 3.60	A	N
	01 - 119	31 x 3.65	A	N
	01 - 120	31 x 3.70	A	N

freccia

TUBI PER SEDIVALVOLE

TUBES FOR VALVE SEAT INSERTS

TUBES POUR SIÈGE DE SOUPAGE

ROHRE FÜR VENTILSITZE

ТРУБЫ ДЛЯ СЕДЕЛЬНЫХ КЛАПАНОВ

CROSS REFERENCE GUIDE

O.E. number	Freccia number
ACME	
960/022	5106
960/023	5107
960/026	5099
960/027	5098
960/027	5147
960/045	5124
960/046	5125
960/102	5101
960/103	5100
960/118	5149
960/119	5150
960/125	5145
960/126	5146
960/127	5148
ALFA ROMEO	
101100330003	1442
102894	3361
102896	3362
105000330103	1443
105120330001	3325
105120330102	3326
116550330007	3957
116760330001	3598
116760330101	3599
117170330000	4180
119130150302	G2042
119280330001	3961
119280330101	3962
125195	3972
125196	3973
125208	01 - 111
125209	01 - 112
125210	01 - 113
125211	01 - 114
125212	01 - 115
125213	01 - 116
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125217	01 - 120
125218	01 - 121
125219	01 - 122
125220	01 - 123
125221	01 - 124
125222	01 - 125
125223	01 - 126
125224	01 - 127
125225	01 - 128
125226	01 - 129
125227	01 - 130
125228	01 - 131
125229	01 - 132
125230	01 - 133
125231	01 - 134
125232	01 - 135
125233	01 - 136
127601	3974
129661	4242
131929000000	4334
131930000000	4335
133471	4448
134309	4446
1669765	PI 06-0001
195100330105	4309
195360330000	4308
195590330100	3599
20370025	3599

O.E. number	Freccia number
20380025A	G3126
21772013	PC 04-201
21772053	PC 04-202
21772059	PC 04-204
4152447	PI 03-102
4250801	G2231
4250803	G2265
4371508	G2232
4372160	G2266
46413078	PI 06-0004
46416321	4943
46433815	PC 04-9206
46465330	PI 06-0004
46475925	PI 06-0019
46478834	4941
46750859	4941
46783962	4943
46787055	PI 06-0004
46787902	6204
46802049	6203
55186770	4610
55186786	G11302
55190248	6203
55190249	6204
55192156	6385
55193126	4941
55195535	6203
55205183	6388
55206431	6387
55557741	6504
5953041	4175
605005940	G3098
60503405	PI 03-105
60503993	4447
60504784	3973
60507189	3598
60507563	PI 06-0014
60512751	4309
605129820	4385
605129840	4386
60513702	4612
60513703	4613
60513941	PI 06-0001
60515041	4335
60515042	4334
60516251	3325
60516253	3326
60516254	3326
60521573	4180
60523243	4180
60523548	3961
60523550	3962
60524033	3974
60525336	4452
60525337	4453
605343650	G3106
60540325	4451
60540326	4450
6054886	3957
60560643	4610
60560644	4611
60562594	G3130
60562595	G3134
60564098	4308
60579200	G3114
60579202	G3110
60582738	6081
60582739	6082
60612835	G11005

O.E. number	Freccia number
60612839	G11003
60612839	G11016
60623146	PI 06-0001
60625603	4612
60664980	PI 06-0014
60674496	4729
60709284	G2018
60737369	G3102
60743761	G2014
60750222	G3317
60808694	4627
60808695	4626
60810435	G11011
60810438	G11009
60810675	PI 06-0014
60811153	4728
60811154	4729
6081186	G3531
6081187	G11007
6081189	G3532
6081190	G11008
60812654	PI 06-0004
60812981	4739
60812982	4738
60813598	G11000
60813599	G11018
700001	G2022
700002	G2026
7031135	4174
71739350	G11379
71739686	6386
71739771	G13598
71741112	6383
71741113	6384
71744388	6505
7547158	4627
7588577	4626
7616992	G3206
7616998	G3205
7650916	4731
7722907	4730
7735898	4738
7735899	4739
7766564	4728
82399099	G2239
90509386	PI 06-0001
AUDI	
022 109 423A	PI 06-0019
026 109 601	4201
026 109 601C	4521
026 109 611A	4116
027 103 419	G3504
027 109 601C	4294
027 109 611B	4295
028 109 601A	4615
028 109 601D	6087
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034 109 309N	PI 06-0001
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036 109 601A	3976
036 109 601AD	6205
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I riferimenti e le denominazioni originali sono esposti a puro titolo indicativo poiché i suddetti materiali **NON SONO ORIGINALI**, ma con questi intercambiabili.

The valves manufactured by us are not original ones but perfectly interchangeable. The original references are shown only for identification.

Tous les noms et numéros des pièces des fabricants des véhicules indiqués dans le catalogue doivent être utilisés uniquement comme références.

freccia

ENGINE VALVES
ENGINE VALVE GUIDES
VALVE SHIMS
LIFTERS
PRECOMBUSTION CHAMBERS

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