



**Automotive
Solutions**

CATÁLOGO DE ROLAMENTOS DE RODA

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BEM VINDO A NOSSA EMPRESA



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CATÁLOGO DE ROLAMENTOS DE RODA

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QUEM SOMOS

A&S É UMA EMPRESA ESPANHOLA COM PRESENÇA GLOBAL ESPECIALIZADA EM DESENHO E DESENVOLVIMENTO DE SOLUÇÕES AUTOMOTIVAS. NOSSO COMPROMISSO É GARANTIR A MELHOR EXPERIÊNCIA PARA NOSSOS CLIENTES ATRAVÉS DE PRODUTOS E SERVIÇOS DE ALTA QUALIDADE.

Somos uma empresa dinâmica e inovadora, capaz de antecipar as necessidades do mercado. A rapidez nas respostas é uma parte fundamental de nossa cultura, o que nos permite oferecer as melhores soluções para a indústria automotiva.

Projetamos rolamentos com os mais altos requisitos europeus para garantir o máximo rendimento. Qualidade e Inovação é a nossa identidade.

A paixão pela indústria automotiva nos move. Por isso desenvolvemos de forma contínua novas referências, resultando em um catálogo completo e atualizado.

COMPROMISSO TOTAL COM NOSSOS CLIENTES. A MELHOR DISPONIBILIDADE E A MÁXIMA PROXIMIDADE PARA ADIANTARMOS AS SUAS NECESSIDADES.

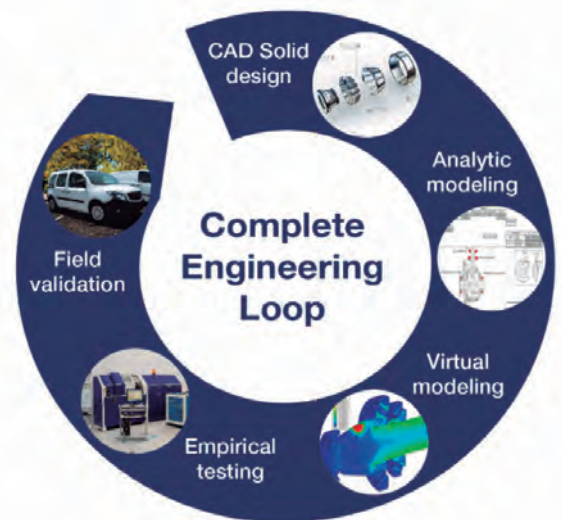


ENGENHARIA

DESENVOLVEMOS SOLUÇÕES DE ROLAMENTOS AUTOMOTIVOS COM O MAIOR NÍVEL DE INTEGRAÇÃO PARA AS DIFERENTES EXIGÊNCIAS DE NOSSOS CLIENTES.

Nossa sensibilidade para entender o mercado e as necessidades de nossos clientes nos leva a criar uma equipe de engenharia dedicada a desenvolvimento de novos produtos que acompanham todas as etapas desde o projeto inicial até a fase final de validação de campo em reais condições de uso. As etapas de nosso processo de desenvolvimento são

- CAD
- CÁLCULOS MATEMÁTICOS: MODELO ANALÍTICO.
- SIMULAÇÃO DE ELEMENTOS FINITOS: MODELO VIRTUAL.
- VALIDAÇÃO FUNCIONAL: TESTE DE PROTÓTIPOS EM BANCADAS DE PROVA
- TESTE DE CAMPO.



SUPERAMOS 1.400 REFERÊNCIAS PARA MAIS DE 5.700 APLICAÇÕES DE 93 DIFERENTES MARCAS DE VEÍCULOS

PRODUTO

OS ROLAMENTOS SÃO COMPONENTES VITAIS NO AUTOMÓVEL, PROJETADOS PARA PERMITIR A ROTAÇÃO ENTRE DOIS ELEMENTOS DE UM MECANISMO. DEVEM SER CAPAZES DE SUPOSTAR AS CARGAS GERADAS POR SEU PRÓPRIO PESO, ASSIM COMO DIFERENTES ELEMENTOS, POR EXEMPLO, ENGRENAGENS, CORREIAS OU CORRENTES COM MÍNIMO ATRITO.

Um rolamento, normalmente, é composto por:

- Dois anéis, um alojado no elemento fixo e outro no elemento móvel, que permite o movimento entre todos os elementos.
- Elementos rolantes, esferas e roletes, que permitem o deslocamento entre os dois anéis, interno e externo.
- Frequentemente, uma gaiola para separar os elementos rolantes.

Os rolamentos podem ser classificados em duas importantes famílias:

- Aqueles que o contato é pontual entre os elementos rolantes e os anéis, conhecidos como rolamentos de esferas..
- Aqueles que tem o contato linear, conhecidos como rolamentos de roletes.

As rodas e as suspensões de um veículo podem suportar diferentes cargas durante a aceleração e frenagem e o giro em curvas do veículo.



CARGAS:

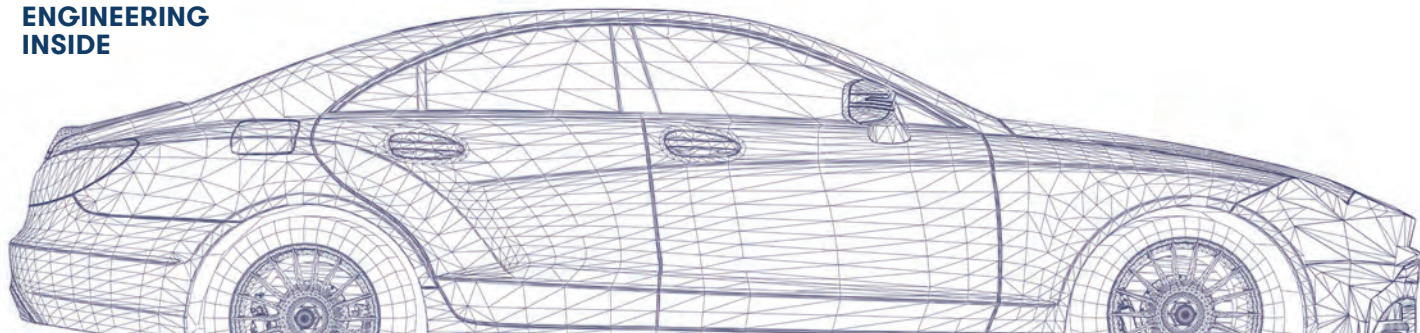
GRAVITACIONAL → OPOSTA A DIREÇÃO DA CARGA AXIAL (PERPENDICULAR A RODA).

ACELERAÇÃO → EXERCIDA ENTRE O PNEU E A PISTA ASFÁLTICA (NA DIREÇÃO DO AVANÇO).

FRENAGEM → EXERCIDA ENTRE O PNEU E A PISTA ASFÁLTICA (CONTRÁRIO A DIREÇÃO DO AVANÇO).

GIRO → EXERCIDA ENTRE O PNEU E A PISTA ASFÁLTICA (NA DIREÇÃO AXIAL).

EUROPEAN ENGINEERING INSIDE





**TE LEVAMOS
MAIS LONGE**

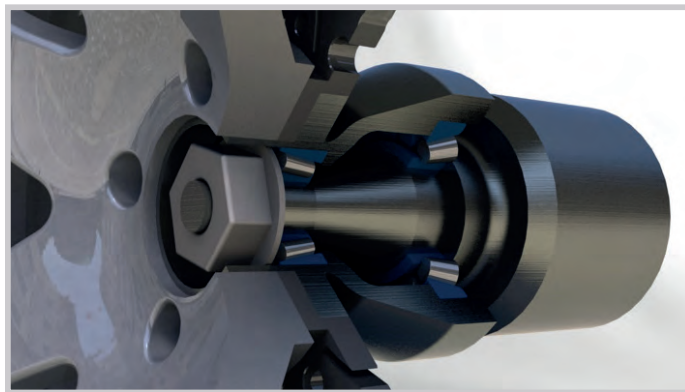
ROLAMENTOS DE ROLETES CÔNICOS

ESTE TIPO DE ROLAMENTO É COMPOSTO POR ANEL INTERNO, ANEL EXTERNO E ELEMENTOS ROLANTES CÔNICOS. DEVIDO A GEOMETRIA DE SEU PROJETO, OS ROLAMENTOS DE ROLETES CÔNICOS SÃO CAPAZES DE SUPORTAR CARGAS COMBINADAS (AXIAIS E RADIAIS). ALÉM DISSO, ESTE PROJETO PERMITE UM MOVIMENTO DE ROLAGEM SEM DESLIZAMENTO DOS ROLETES SOBRE AS PISTAS DOS AROS EXTERIORES E INTERIORES.

O ângulo de contato das pistas dos rolamentos de roletes cônicos é variável, o que permite compensar em cada caso a relação de carga axial e radial da aplicação. O maior ângulo, maior capacidade de suportar cargas axiais.

A&S tem uma ampla gama de rolamentos de roletes cônicos que se compõem de elementos separáveis e que são facilmente ajustáveis nas aplicações.

A codificação A&S para esta família de produtos segue o padrão para os rolamentos cônicos métricos e polegadas e para os cônicos com medidas especiais as referências A&S começam pelas letras TR (iniciais de Tapered Roller) e seguem por números sequenciais.



MONTAGEM DE UM ROLAMENTO DE ROLETES CÔNICOS

A folga axial do conjunto se determina na montagem aplicando o torque apropriado na porca da aplicação.

1ª GERAÇÃO ROLAMENTOS DE RODA

OS ROLAMENTOS DE PRIMEIRA GERAÇÃO SÃO CONJUNTOS PRÉ-CARREGADOS QUE TEM FOLGA PRÉ-DEFINIDA, SÃO LUBRIFICADOS PARA TODA VIDA ÚTIL COM SEUS CORRESPONDENTES ELEMENTOS QUE GARANTEM A ESTANQUEIDADE.

Os rolamentos de esferas de dupla carreira de contato angular tem uma grande capacidade de suportar movimentos de torção, ou seja, as forças geradas durante o giro da roda em funcionamento.

Os rolamentos de roletes cônicos tem uma grande capacidade para suportar cargas devido a sua construção interna compacta.



A folga axial do conjunto está previamente definida se levando em conta durante o ajuste do rolamento na montagem do mesmo, de maneira que se possa assim alcançar a melhor pré-carga uma vez montado em um cubo. Além disso, não é necessário dispor de elementos de estanqueidade extra na montagem já que os aporta o próprio rolamento.

ROLAMENTOS DE 1ª GERAÇÃO DE ESFERA

OS ROLAMENTOS DE ESFERA DE DUPLA CARREIRA PODEM SUPORTAR ELEVADOS MOMENTOS, O QUE SUPÕEM ELEVADAS CARGAS DURANTE O GIRO.

VANTAGENS DO PRODUTO:

- LUBRIFICADOS PARA A VIDA.
- BAIXO CUSTO.
- RODA DIANTEIRA E TRASERA.
- SISTEMA DE VEDAÇÃO INCLUSO.
- FOLGA DEFINIDA E PRÉ-AJUSTADO.



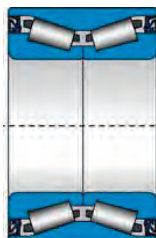
A codificação de A&S para esta família de produtos começa pelas letras WB (iniciais de Wheel Bearing) seguem pelas medidas em mm de diâmetro interno, diâmetro externo e altura e o código termina pelas letras BB (iniciais de Ball Bearing)

ROLAMENTOS DE 1ª GERAÇÃO DE ROLETES CÔNICOS

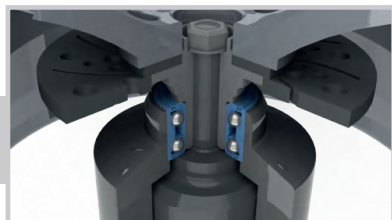
OS ROLAMENTOS DE ROLETES CÔNICOS TEM UMA ALTA CAPACIDADE DE CARGA JUNTO A UM PROJETO QUE PERMITE UM GANHO DE ESPAÇO.

VANTAGENS DE PRODUTO:

- LUBRIFICADOS PARA A VIDA.
- ALTA CAPACIDADE DE CARGA.
- FOLGA DEFINIDA E PRÉ-AJUSTADO.
- GANHO DE ESPAÇO.
- SISTEMA DE VEDAÇÃO INCLUSO.



A codificação de A&S para esta família de produtos começa pelas letras WB (iniciais de Wheel Bearing) seguem pelas medidas em mm de diâmetro interno, diâmetro externo e altura e o código termina pelas letras RB (iniciais de Roller Bearing).



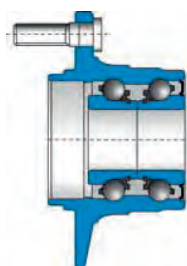
MONTAGEM DE UM ROLAMENTO DE PRIMEIRA GERAÇÃO

Os anéis interiores do rolamento se unem ao cubo onde se encontra o alojamento do rolamento e no eixo do veículo. O anel externo é montado na manga.

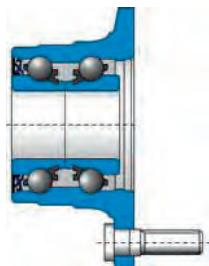
2ª GERAÇÃO

ROLAMENTOS DE RODA

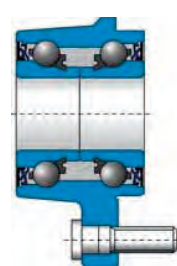
AS UNIDADES DE ROLAMENTO DE RODA DE SEGUNDA GERAÇÃO SÃO CONJUNTOS ALOJADOS EM UM FLANGE DE DUAS CARREIRAS DE ESFERAS DE CONTATO ANGULAR OU ROLOS CÔNICOS DE DUAS CARREIRAS COM DOIS ANÉIS INTERNOS E UM FLANGE COMO O ÚNICO ANEL EXTERNO.



Anel externo (Rotating) para eixo não tracionado: Tanto freio pneumático como freio a disco é fixado ao flange. A unidade é montada no eixo e fixada com uma porca.



Anel interno (Rotating) para eixo não tracionado: A flange é fixado no veículo. A unidade é montada no eixo e fixada com uma porca.



Anel interno (Rotating Inner) para eixo tracionado: O flange é fixado ao alojamento do eixo. Os anéis internos do rolamento comunicam o cubo onde o rolamento e o eixo do veículo está alojado.

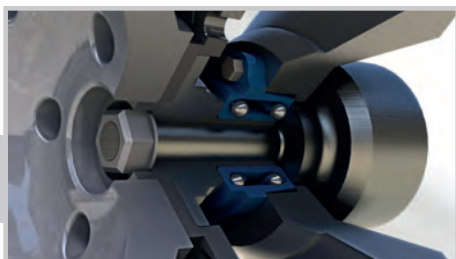
Os rolamentos de 2ª geração são uma combinação de rolamentos de primeira geração em termos de baixo custo e com as vantagens de integrar os flanges das rodas no conjunto de rolamentos entre o disco de freio e a roda. Eles são um conjunto compacto com uma folga definida e é lubrificada para toda a vida, garantida com um sistema de vedação integrado.

A folga axial é definida na fábrica e leva em conta o ajuste durante a montagem para obter a pré-carga ideal após a montagem. Além disso, o sistema de vedação integrado elimina a necessidade de adicionar elementos de vedação aos fabricantes de veículos durante a montagem.

VANTAGENS DO PRODUTO:

- LUBRIFICADO POR TODA A VIDA.
- MONTADO NAS RODAS DIANTEIRAS E TRASEIRAS.
- SISTEMA DE VEDAÇÃO INTEGRADO.
- FOLGA DEFINIDA E AJUSTADA NA FÁBRICA.
- FLANGE INTEGRADO NA RODA.
- POSSIBILIDADE DE INTEGRAR O SENSOR ABS.
- MONTAGEM FÁCIL.
- MANIPULAÇÃO MÍNIMA AO MONTAR.
- REDUÇÃO NO NÚMERO DE COMPONENTES.

A codificação A & S para esta família de produtos começa com WH2 (abreviação de Hub de roda 2ª geração) seguida de números sequenciais e termina com as letras BB (iniciais de Ball Bearing) ou RB (iniciais de Roller Bearing) dependendo de sua estrutura de elementos rolantes.

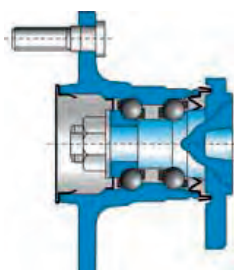


MONTAGEM DE UM ROLAMENTO DE SEGUNDA GERAÇÃO

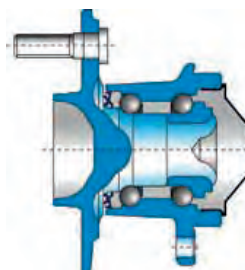
O flange é fixado na ponta de eixo. Os anéis internos do rolamento comunicam o cubo onde o rolamento e o eixo do veículo está alojado.

3ª GERAÇÃO ROLAMENTOS DE RODA

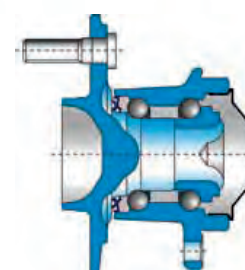
AS UNIDADES DE 3ª GERAÇÃO SÃO EQUIPADAS COM DUAS FLANGES (ANÉIS INTERNO E EXTERNO).



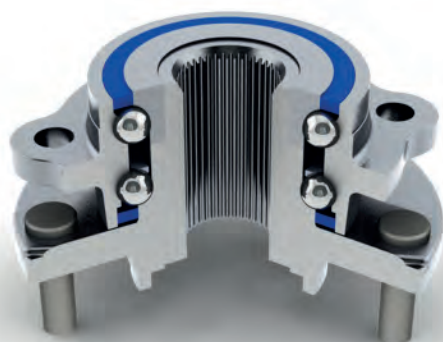
Anel externo (Rotating) para eixo não tracionado: Tanto pneumático como freio a disco estão fixados ao flange que exerce função de um anel externo. A pré-carga é ajustada na fábrica.



Anel externo (Rotating) para eixo não tracionado: O flange que atua como um anel interno é fixado no freio a disco e na roda do veículo. O anel externo está fixado no veículo. O pré-carga é ajustada na fábrica.



Anel externo (Rotating) para eixo tracionado: O flange que atua como um anel interno é fixado no freio a disco e na roda do veículo. O anel externo está fixado no veículo. A pré-carga é ajustada na fábrica. A ponta do eixo possui engrenagens que é acoplado nas ranhuras internas do rolamento, o que permite transmitir a rotação do eixo para a roda.



Os rolamentos de 3ª geração são unidades com um alto grau de integração de componentes, com uma flange fixa no disco de freio e aro, com alta precisão. Os codificadores geram o sinal ABS necessário. Este desenho reduz os custos de montagem devido aos dois flanges.



VANTAGENS DO PRODUTO:

- LUBRIFICADO PARA TODA A VIDA.
- POSSIBILIDADE DE INTEGRAÇÃO DE SISTEMAS ABS.
- MONTAGEM FÁCIL.
- MANIPULAÇÃO MÍNIMA AO ANDAR.
- REDUÇÃO DO NÚMERO DE COMPONENTES.
- ALTA PRECISÃO DO GUIA DO DISCO DE FREIO E ARO.
- CUSTO DE MONTAGEM REDUZIDO DEVIDO A DOIS FLANGES.
- A PRÉ-CARGA É DEFINIDA DURANTE O PROCESSO DE FABRICAÇÃO.

A codificação A&S para essa família de produtos começa com WH3 (abreviação de Wheel Generation 3ª geração) seguida de números sequenciais e termina com as letras BB (iniciais de Ball Bearing) ou RB (iniciais de Roller Bearing) dependendo de sua estrutura de elementos rolantes.

MONTAGEM DE UM ROLAMENTO DE 3ª GERAÇÃO

A roda e o disco de freio são fixados ao flange que exerce o anel interno do rolamento. O flange que atua como anel externo é fixado ao corpo do veículo.

ROLAMENTOS DE RODA

AJUSTE E DESEMPENHO

OS ROLAMENTOS DEVEM SER FIXADOS NO EIXO E TAMBÉM NO ALOJAMENTO EM DIREÇÕES RADIAIS AXIAIS E CIRCUNFERENCIAIS. AJUSTES RADIAIS E CIRCUNFERENCIAIS SÃO OBTIDOS ATRAVÉS DE UM APERTO FIRME DOS ANÉIS DO ROLAMENTO. O AJUSTE AXIAL PODE SER OBTIDO PARCIALMENTE ATRAVÉS DO APERTO.

É importante considerar os seguintes requisitos para selecionar o ajuste correto:

- Os rolamentos devem ser montados corretamente e apoiados em sua circunferência para otimizar sua capacidade de carga.
- Deslizar entre superfícies na direção circunferencial não é permitido para evitar danos.
- Os rolamentos não devem ter liberdade de movimento axial para ajustar as variações no comprimento do eixo e da carcaça
- Montagem e desmontagem corretas

Tolerância é a diferença admitida entre o valor nominal e o valor real ou efetivo, considerando as características físicas e químicas do material, peça ou produto.

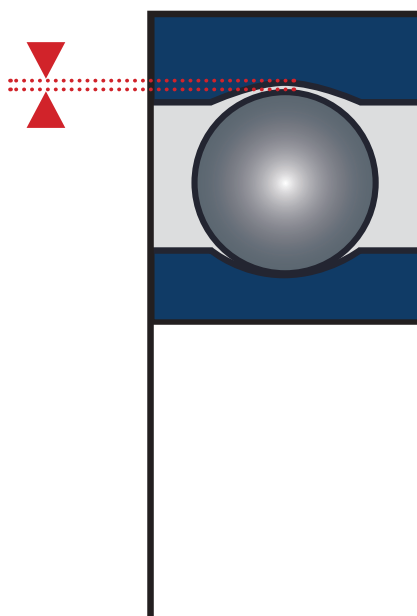
A unidade de medida para tolerâncias é micras (μm).

A folga é a distância total na qual um anel de rolamento pode se mover em relação ao outro anel nas direções radial (folga radial) e axial (folga axial) sem a aplicação de cargas.

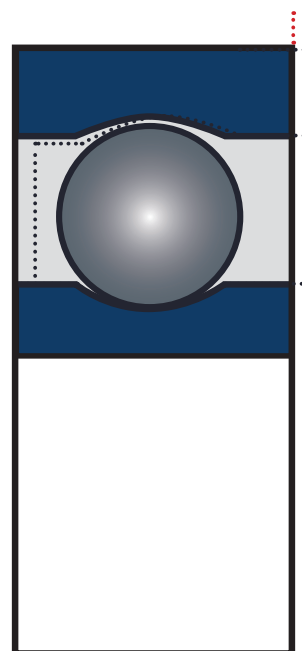
A pré-carga serve para gerar uma carga mínima no rolamento e evitar falhas como resultado de movimentos de deslizamento dos corpos rolantes.

As principais razões para aplicar a pré-carga a um rolamento são:

- Aumentar rigidez.
- Reduzir ruído durante operação.
- Aumentar a precisão do alinhamento do eixo.
- Compensar desgaste em operação.
- Permitir longa durabilidade em trabalho.



Folga Radial



Folga Axial

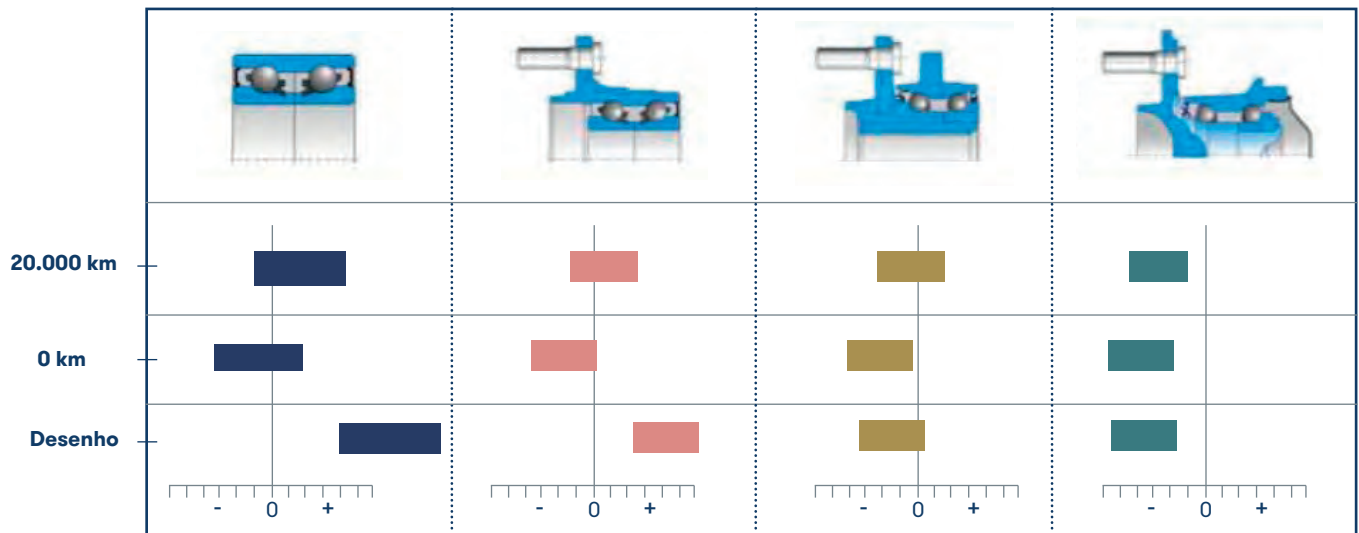
Montagem - variação do tamanho do eixo



Encaixe - variação do tamanho do alojamento



RELAÇÃO ENTRE PRÉ-CARGA E FOLGA AXIAL ANTES E DEPOIS DA MONTAGEM:



A interferência gerada nos projetos de 1ª geração (rolamentos de duas carreiras de rolos cônicos e rolamentos de esferas de duas carreiras) tem uma influência significativa na relação folga axial / pré-carga.

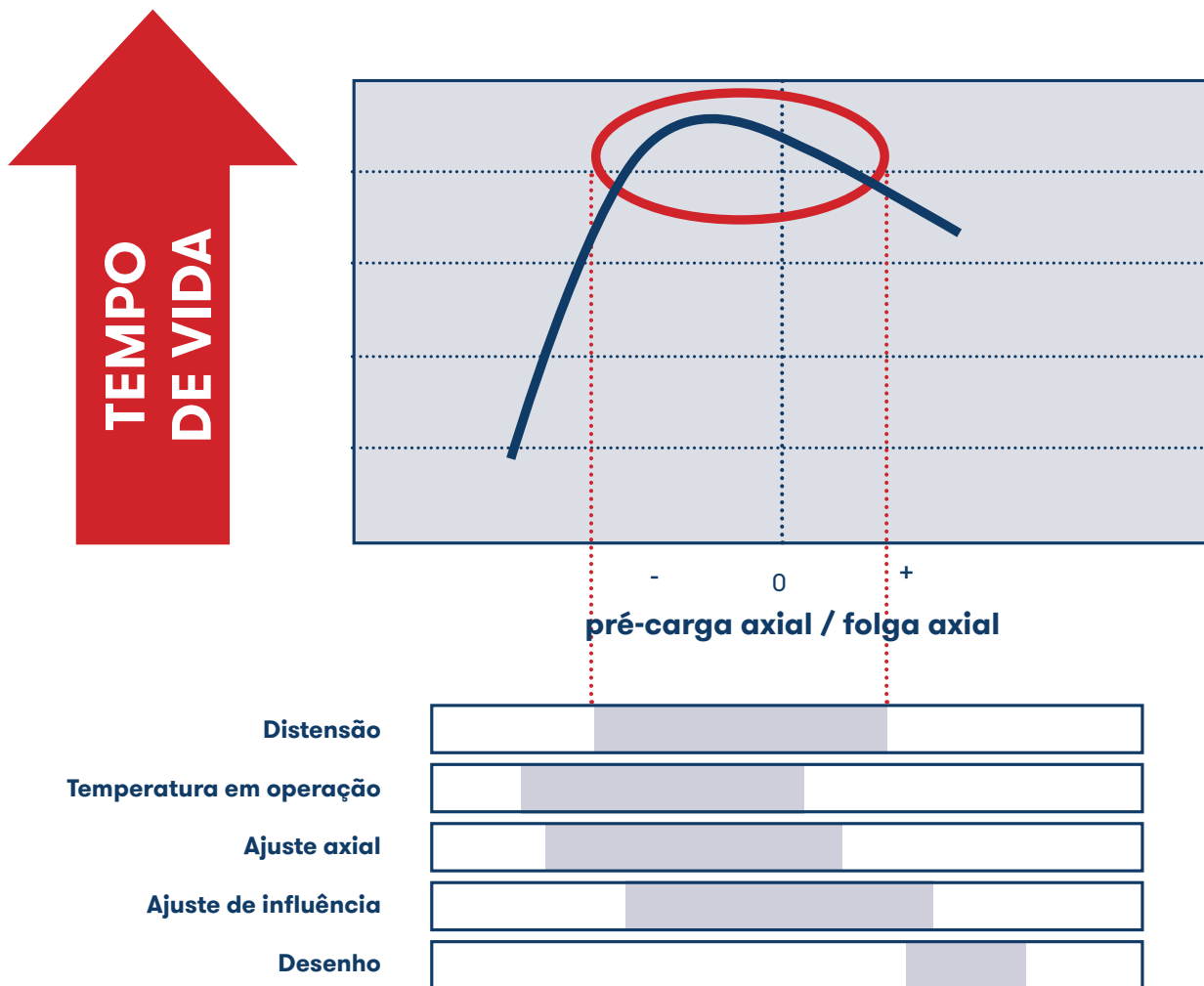
Neste tipo de rolamento existem duas superfícies de contato: uma entre o alojamento e o anel externo e outra entre o eixo e os anéis internos. Essa interferência gera uma deformação elástica na qual a folga axial especificada no plano do rolamento diminui.

Além do ajuste, o torque de montagem aplicado à porca converterá a folga axial inicial em pré-carga após a montagem.

Para os projetos de 2ª geração, existe apenas uma superfície de contato (entre eixos e anéis internos), na qual a folga axial especificada no plano é menor que a folga axial da 1ª geração. O torque de montagem também é necessário para este tipo de rolamentos, a fim de definir a pré-carga da operação

A terceira geração, com o maior grau de integração, a pré-carga é definida durante o processo de produção. Por causa disso, há uma baixa variação de pré-carga (insensibilidade). Este projeto evita erros durante a montagem graças ao fato de que a pré-carga é definida de fábrica.

INFLUÊNCIA DA PRÉ-CARGA / FOLGA AXIAL NA VIDA ÚTIL DO ROLAMENTO:



Os rolamentos de roda geralmente atingem seu maior desempenho em relação à durabilidade na operação de pré-carga. Exceto para projetos de 3ª geração, onde a pré-carga já é definida de fábrica, a pré-carga dos outros desenhos tem que ser ajustada durante a montagem

Após a montagem, é obrigatório aplicar o torque de montagem correspondente com uma porca (especificada pelo fabricante do veículo). Com este procedimento, o rolamento geralmente funciona em suas melhores condições.

Uma parte significativa deste procedimento é a influência do ajuste. As tolerâncias dos anéis dos rolamentos e também das caixas e eixos devem ser consideradas durante a montagem para obter a pré-carga teórica descrita no desenho.

SISTEMAS ABS

O ABS TEM A FUNÇÃO DE IMPEDIR O BLOQUEIO DAS RODAS. ISSO AJUDA O MOTORISTA, GERANDO O CONTROLE DA DIREÇÃO, A FIM DE MANTER O CONTROLE DO VEÍCULO EM CASO DE EMERGÊNCIA. COMO UMA RODA TRANCADA NÃO PODE SER ACIONADA, O ABS PERMITE QUE O MOTORISTA CONTROLE O PRÓPRIO VEÍCULO DURANTE A FORTE ATUAÇÃO DO PEDAL DO FREIO E RELATA DADOS ATIVOS USADOS PARA CONTROLAR DECISÕES COMO REAÇÕES A MUDANÇAS NAS CONDIÇÕES DE ROLAGEM.

SENSOR DE LEITURA DO ABS



AXIAL



RADIAL

Este sistema é baseado em um anel de pulso metálico e gira com a mesma velocidade da roda. O sensor deve ser montado perto do anel de impulso. Além de receber o sinal do anel de impulso, um sensor deve transmitir o sinal para a unidade central de controle (ECU), a fim de controlar a força de frenagem. Não é obrigatório que o anel de impulso seja montado no rolamento. Pode ser montado em componentes de rolamento pertencentes ao sistema de rodas, como junta homocinética, eixo, etc.

SENSOR MAGNÉTICO



Este sistema usa um anel magnético em vez de um anel metálico convencional. O sensor magnético (sensor ativo) montado no veículo é capaz de detectar a velocidade de rotação da roda. O anel magnético pode ser projetado nas direções radial e axial.

SENSORES



Durante a aplicação do sensor ativo, o codificador magnético permite uma transmissão regular e eficiente dos dados. Por esta razão, o codificador pode reconhecer a rotação da roda, mesmo em baixas rotações. Os sensores ativos não requerem ímãs, reduzindo custos e peso.

A integração de sensores oferece

- Redução do tempo de montagem
- Maior confiabilidade
- Redução de espaço requerido
- Redução de peso

LUBRIFICAÇÃO

AS GRAXAS SÃO O LUBRIFICANTE MAIS UTILIZADO EM APLICAÇÕES DE ROLAMENTOS:

- Desenho mais simples e econômico do sistema de lubrificação
- Menor necessidade de manutenção (existe a opção de lubrificação durante toda a vida útil)
- Boa vedação e baixo risco de contaminação
- Alta segurança a baixas velocidades

Eles consistem de uma base de óleo (mineral, silicone, éster) com um espessante de sabão de lítio, sódio ou cálcio que lhe da corpo (as vezes um sal do mesmo metal é adicionado ao sabão para formar um espessante complexo). Poliuréia, teflon ou bentonita também podem ser usados em vez de sabão.

Suas propriedades de consistência, resistência à temperatura e corrosão, miscibilidade, estabilidade mecânica, ponto de fluidez, etc. determinar sua adequação para trabalhar em várias condições e requisitos de trabalho (cargas, velocidades, temperaturas, vibrações, etc.). A tabela a seguir mostra um resumo das capacidades das diferentes graxas:

Em casos de condições operacionais baixas, a lubrificação pode ser realizada por toda a vida, usando vedações para ajudar a manter a graxa no rolamento (especialmente com altas vibrações e temperaturas). No entanto, sob condições severas, uma relubrificação deve ser executada. Além disso, o rolamento deve ser engraxado depois de montado antes de operar (o risco de contaminação é reduzido) e deve ter sido limpo antes da lubrificação se não for novo.

A quantidade de graxa não deve ser excessiva (possível apreensão) ou insuficiente (deterioração do rolamento). A graxa deve ocupar de 20 a 35% da folga do rolamento aproximadamente. O rolamento é girado antes da montagem para que a graxa lubrifique tudo.

Tipo de graxa	Lítio		Sódio		Cálcio		Bento- nita	Poliuréia	Teflon
	N	C	N	C	N	C			
Temperatura (°C)	-30 / 130	-30 / 160	-30 / 100	-30 / 120	-30 / 60	-30 / 130	-30 / 160	-40 / 210	-35 / 250
Pressão	1	2	1	2	1	2	1	1	2
Resistência à água	3	2	1	1	3	2	3	3	3
Corrosão	2	1	2	3	2	2	1	1	1

RETENTORES

EM APLICAÇÕES DE RODAS, OS ROLAMENTOS MONTADOS DEVEM SER PROTEGIDOS COM MECANISMOS DE VEDAÇÃO. ESSES MECANISMOS TÊM DUAS FUNÇÕES BÁSICAS IMPORTANTES:

- Evitar a entrada de umidade ou contaminações externas.
- Evitar a saída do lubrificante.

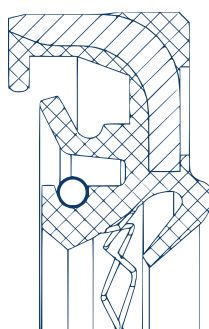
A eficácia desses mecanismos é importante para a vida dos rolamentos.

Os mecanismos de vedação variam consideravelmente de um para o outro e para decidir qual deles aplicar, alguns fatores devem ser levados em conta:

- Tipo de lubrificante.
- Velocidade de giro.
- Espaço disponível.
- Fricção do elemento de vedação.

Os retentores para graxa são:

- Peças padrão.
- Grande variedade de tipos e tamanhos.
- Capacidade de tolerar desalinhamentos de eixos. Isso deve ter o acabamento e dureza adequados (especialmente em altas velocidades).
- Estanqueidade gerada pelo filme lubrificante entre o retentor e o eixo.
- Necessário para manter uma espessura de filme adequada.
- Requer cuidado em sua instalação.



APLICAÇÕES



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EIXO DIANTEIRO



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ALFA ROMEO					
164	87-98	●		3.0 V6 24V	WB42800237BB
	87-98	●		3.0 V6 24V	WK00358

ASIA MOTORS					
Townner	93-98	●		0.8	30203
	93-98	●		0.8	32005 X
	93-98		●	0.8	6306 2RS/C3

AUDI					
A1	11-		●	1.4 16V / ABS	WB39720037BB
A3	03-04		●	1.6 8V	WK00045
	03-04		●	1.8	WK00045
	03-04		●	2.0	WK00045
	04-08		●	1.6	WH20098BB
	04-08		●	1.8	WH20098BB
	04-08		●	2.0	WH20098BB
	04-08		●	2.0	WH20164BB
	04-08		●	1.8	WK00079
	04-08		●	2.0	WK00079
	08-10		●	1.8/1.8 T	WH20098BB
	08-10		●	1.8/1.8 T	WK00433
	08-10		●	2.0	WH20098BB
	08-10		●	1.8/1.8 T	WK00045
	08-10		●	2.0	WK00045
	08-10		●	2.0	WK00079
	06-	●		1.6 8V / ABS	WH30191BB
	06-	●		1.8/1.8T / ABS	WH30191BB
	06-	●		2.0 16V / ABS	WH30191BB
	06-	●		1.6 8V / ABS	WK00079
	06-	●		1.8/1.8T / ABS	WK00079
	06-	●		2.0 16V / ABS	WK00079
	06-		●	1.6 8V	WH20098BB
	96-03	●		1.6 8V	WB40740040BB
96-03	●		1.6 8V	WK00031	
96-03	●		1.8/1.8T	WB40740040BB	
96-03	●		1.8/1.8T	WK00031	

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AUDI					
A3	96-03		●	1.8 20V	WH20164BB
	96-03		●	1.6 8V	WK00044
	96-03		●	1.8 20V	WK00044
A4	00-08	●		1.8/1.8T	WH20096BB
	00-08	●		1.8/1.8T	WK00344
	00-08	●		2.0 20V	WH20096BB
	00-08	●		2.0 20V	WK00344
	00-08	●		2.4	WH20096BB
	00-08	●		2.4	WK00344
	00-08	●		2.8	WH20096BB
	00-08	●		2.8	WK00344
	00-08	●		3.0	WH20096BB
	00-08	●		3.0	WK00344
	00-08		●	1.8/1.8T	WH20096BB
	00-08		●	1.8/1.8T	WK00344
	00-08		●	2.0 20V	WH20096BB
	00-08		●	2.0 20V	WK00344
	00-08		●	2.4	WH20096BB
	00-08		●	2.4	WK00344
	00-08		●	2.8	WH20096BB
	00-08		●	2.8	WK00344
	00-08		●	3.0	WH20096BB
	00-08		●	3.0	WH20096BB
	95-01	●		2.8 V6 30V	WB34660037BB
	95-01	●		2.8 V6 30V	WK00245
	95-01	●		1.8 20V	WB39/41750037BB
	95-01	●		1.8 20V	WK00028
	95-01	●		2.4 V6 30V	WB43/45820037BB
	95-01		●	2.0 16V	WB39/41750037BB
	95-01		●	2.0 16V	WK00028
95-96	●		2.8	WB43/45820037BB	
95-96	●		2.8	WB43850037BB	
96-01	●		2.8	WB43/45820037BB	
97-01	●		1.8 Turbo 20V	WB43/45820037BB	
98-04	●		2.4 V6 30V	WB34660037BB	
98-04	●		2.4 V6 30V	WK00245	

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AUDI					
A5	08-	●		3.2 V6 24V	WH20136BB
	08-		●	3.2 V6 24V	WH20136BB
	08-		●	3.2 V6 24V	WK00634
	10-	●		2.0 16V	WH20136BB
	10-		●	2.0 16V	WH20136BB
	10-		●	2.0 16V	WK00634
A6	01-05	●		2.4	WH20096BB
	01-05	●		2.4	WK00344
	01-05	●		2.7 T	WH20096BB
	01-05	●		2.7 T	WK00344
	01-05	●		2.8	WH20096BB
	01-05	●		2.8	WK00344
	01-05	●		3.0	WH20096BB
	01-05	●		3.0	WK00344
	04-10	●		3.0 TFSI	WK00070
	04-10	●		4.2	WK00070
	04-10	●		2.4	WK00631
	04-10	●		2.8	WK00631
	04-10	●		3.0	WK00631
	04-10	●		3.2	WK00631
	05-10		●	3.2	WK00070
	06-10		●	2.4	WH30222BB
	06-10		●	2.7	WH30222BB
	06-10		●	2.8	WH30222BB
	06-10		●	3.0	WH30222BB
	00-04		●	2.4	WH30025BB
	00-04		●	2.7 T	WH30025BB
	00-04		●	2.7 30V	WH30025BB
	00-04		●	2.8	WH30025BB
	00-04		●	3.0	WH30025BB
	94-97		●	2.4	WK00118
	94-97		●	2.8	WK00118
	97-01	●		2.4	WB43/45820037BB
	97-01	●		2.7 T	WB43/45820037BB
	97-01	●		2.8	WB43/45820037BB
	97-05		●	2.4	WH30025BB

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AUDI					
A6	97-05		●	2.8	WH30025BB
	98-05	●		4.2	WK00344
	98-05	●		4.2	WH20096BB
	98-05		●	4.2	WK00344
	98-05		●	4.2	WH20096BB
A8	01-02		●	6.0	WH20096BB
	01-02		●	6.0	WK00344
	98-02	●		4.2 / roda 20"	WH20096BB
	98-02	●		4.2 / roda 20"	WK00344
	98-10	●		4.2	WK00070
Q5	98-10		●	6.0	WK00070
	09-	●		2.0 16V	WH20136BB
	09-	●		3.2 V6	WH20136BB
	09-		●	2.0 16V	WH20136BB
Q7	09-		●	3.2 V6	WH20136BB
	07-10	●		4.2 V8 32V	WB51960050BBM
	07-10		●	4.2 V8 32V	WB51960050BBM
	08-10	●		3.6 V6 24V	WB51960050BBM
	08-10		●	3.6 V6 24V	WB51960050BBM
	11-	●		3.0 V6 24V	WB51960050BBM
R8	11-		●	3.0 V6 24V	WB51960050BBM
	08-10	●		5.2 V10	WK00631
	08-	●		4.2 V8	WK00631
RS4	08-		●	4.2 V8	WK00070
	05-09		●	2.7 T	WH20096BB
	05-09		●	2.7 T	WK00344
	05-09		●	4.2	WH20096BB
	05-09		●	4.2	WK00344
	00-09	●		2.7 T	WH20096BB
	00-09	●		2.7 T	WK00344
	00-09	●		4.2	WH20096BB
TT	00-09	●		4.2	WK00344
	08-10	●		1.8 20V	WK00079
	08-10	●		2.0 16V	WK00079
	08-10	●		1.8 20V	WK30191BB
	08-10	●		2.0 16V	WK30191BB

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AUDI						
TT	08-10			●	1.8 20V Quattro	WK00079
	08-10			●	2.0 16V Quattro	WK00079
	08-10			●	1.8 20V Quattro	WH30191BB
	08-10			●	2.0 16V Quattro	WH30191BB
	98-02	●			1.8 T 20V	WB40740040BB
	98-02	●			1.8 T 20V	WK00031
	98-06			●	1.8 20 V	WH20164BB
	98-06			●	2.0 16 V	WH20164BB
	98-06			●	1.8 20V	WK00044
	98-06			●	2.0 16V	WK00044
BMW						
X1	10-	●			3.0 24V	WH30191BB
	11-	●			2.0 16V	WH30191BB
300C	05-11	●			3.6 24V V6 / 4x4	WH30180BB
	05-11	●			3.6 24V V6 / 4x4	WH30180BB
	05-11			●	5.7 V8 / 4x4	WH30180BB
	05-11			●	5.7 V8 / 4x4	WH30180BB
	09-12			●	3.6 24V V6	WH20135BB
	09-12			●	5.7 V8	WH20135BB
	12-	●			3.6 24V V6	WH30272BB
	12-	●			5.7 V8	WH30272BB
Caravan	01-07			●	2.4 / ABS, 5 furos	WH30021BB
	01-07			●	3.3 / ABS, 5 furos	WH30021BB
	01-07			●	3.6 / ABS, 5 furos	WH30021BB
	01-07			●	3.8 / ABS, 5 furos	WH30021BB
	01-07			●	2.4 / 5 furos	WH30022BB
	01-07			●	3.3 / 5 furos	WH30022BB
	01-07			●	3.6 / 5 furos	WH30022BB
	01-07			●	3.8 / 5 furos	WH30022BB
	96-00			●	3.6 V6 / ABS	WH30018BB
	97-00			●	2.4 / ABS, Roda 15"	WH30018BB
	97-00			●	3.3 / ABS, Roda 15"	WH30018BB
	97-00			●	3.8 / ABS, Roda 15"	WH30018BB
Serie 6	04-05			●	645 4.4 V8 32V	WH20079BB
	06-	●			650 4.8 V8 32V	WH30172BB

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BMW					
Serie 6	06-		●	650 4.8 V8 32V	WH20079BB
	12-		●	650 4.8 Bi-Turbo	WH20079BB
Serie 7	06-08	●		750 5.4 24V	WH30270BB
	06-08	●		760 6.0 V12	WH30270BB
	06-08		●	750 5.4 24V	WH20079BB
	06-08		●	760 6.0 V12	WH20079BB
Serie 1	05-	●		120 2.0 16V	WH30191BB
	05-		●	120 2.0 16V	WB42750037BB
	06-	●		130 3.0 24V	WH30191BB
	06-		●	130 3.0 24V	WB45850441BBM
	09-	●		135 3.0 24V	WH30191BB
	09-		●	135 3.0 24V	WB45850441BBM
	10-	●		118 1.8 16V	WH30191BB
	10-		●	118 1.8 16V	WB42750037BB
	11-	●		M1 3.0 24V	WH30191BB
	12-	●		116 1.6 16V	WH30191BB
	12-	●		118 1.6 16V	WH30191BB
	12-		●	116 1.6 16V	WB42750037BB
12-		●	118 1.6 16V	WB42750037BB	
Serie 3	01-05	●		330 3.0 24V	WH20122BB
	01-05		●	320 2.2 24V	WB42750037BB
	01-05		●	330 3.0 24V	WB45850441BBE
	01-06		●	325 2.5 24V	WB42750037BB
	01-06		●	325 2.5 24V	WK00220
	01-07		●	330 3.0 24V	WB45850441BBM
	05-07	●		328 3.0 24V	WH30191BB
	05-07	●		330 3.0 24V	WH30191BB
	05-07		●	328 3.0 24V	WB42750037BB
	08-11	●		328 2.8 24V	WH30191BB
	08-11	●		328 2.8 24V	WK00079
	00-05	●		320 2.2 24V	WH20168BB
	00-05	●		320 2.2 24V	WK00068
	05-	●		320 2.0 16V	WH30191BB
	05-	●		325 2.5 24V	WH30191BB
	05-		●	320 2.0 16V	WB42750037BB
05-		●	325 2.5 24V	WB42750037BB	

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BMW					
	05-		●	325 2.5 24V	WB45850441BBM
	05-		●	335 3.0 24V	WB45850441BBM
	06-	●		335 3.0 24V	WH30191BB
	08-		●	M3 4.0 32V	WB45850441BBM
	08-		●	M3 4.0 32V	WH30063RB
	08-		●	M3 4.0 32V	WK00571
	11-	●		328 2.0 16V	WH30191BB
	11-		●	328 2.0 16V	WB42750037BB
	12-	●		318 2.0 16V	WH30191BB
	12-		●	318 2.0 16V	WB42750037BB
	90-98		●	325 2.5 24V	WB42750037BB
	90-98		●	325 2.5 24V	WK00220
	91-98		●	318 1.8 16V	WB42750037BB
	91-98		●	318 1.8 16V	WK00220
	92-98	●		318 1.8 16V	WH20122BB
	92-98	●		325 2.5 24V	WH20122BB
	92-98	●		318 1.8 16V	WK00384
	92-98	●		325 2.5 24V	WK00384
Serie 3	93-99	●		318 1.9 16V	WH20122BB
	93-99	●		318 1.9 16V	WK00384
	93-99		●	318 1.9 16V	WB42750037BB
	93-99		●	318 1.9 16V	WB42750037BB
	95-01	●		328 2.8 24V	WH20122BB
	95-01	●		328 2.8 24V	WK00384
	95-01		●	328 2.8 24V	WB42750037BB
	95-01		●	328 2.8 24V	WK00220
	97-99	●		323 2.5 24V	WH20122BB
	99-01	●		323 2.5 24V	WH20122BB
	97-01	●		323 2.5 24V	WK00384
	97-99		●	323 2.5 24V	WB42750037BB
	97-99		●	323 2.5 24V	WK00220
	98-01		●	323 2.5 24V	WB42750037BB
	98-01		●	328 2.8 24V	WB42750037BB
	98-02	●		325 2.5 24V	WH20122BB
	02-05	●		325 2.5 24V	WH20122BB
	98-05	●		325 2.5 24V	WK00384

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BMW						
Serie 3	98-05		●	325 2.5 24V	WB42750037BB	
	98-04	●		M3 3.2 24V	WH20170BB	
	04-06	●		M3 3.2 24V	WH20170BB	
	98-06		●	M3 3.2 24V	WB45850441BBE	
	98-06		●	M3 3.2 24V	WK00665	
Serie 5	04-07	●		545 4.4 V8 32V	WH30172BB	
	04-07		●	545 4.4 V8 32V	WH20079BB	
	04-07		●	545 4.4 V8 32V	WK00532	
	06-09	●		550 4.8 V8 32V	WH30172BB	
	06-09		●	550 4.8 V8 32V	WH20079BB	
	06-09		●	550 4.8 V8 32V	WK00532	
	04-10	●		530 3.0 24V	WH30172BB	
	04-10		●	530 3.0 24V	WH20079BB	
	04-10		●	530 3.0 24V	WK00532	
	05-10	●		550 4.4 V8 32V	WH30172BB	
	05-10	●		550 5.0 V8 32V	WH30172BB	
	05-10		●	550 4.4 V8 32V	WH20079BB	
	05-10		●	550 5.0 V8 32V	WH20079BB	
	05-10		●	550 4.4 V8 32V	WK00532	
	05-10		●	550 5.0 V8 32V	WK00532	
	07-10		●	3.0 24V	WH20171BB	
	07-10		●	4.4 V8 32V	WH20171BB	
	07-10		●	4.8 V8 32V	WH20171BB	
	00-03		●	3.0 24V	WH20079BB	
	00-03		●	4.4 V8 32V	WH20079BB	
	00-03		●	4.8 V8 32V	WH20079BB	
	00-10	●		3.0 24V	WB49900545BBE	
	00-10	●		4.4 V8 32V	WB49900545BBE	
	00-10	●		4.8 V8 32V	WB49900545BBE	
	10-	●		4.4 V8 32V	WH30276BB	
	X3	04-10	●		3.0 24V	WB49900545BBE
		04-10		●	3.0 24V	WB45850441BBE
04-10			●	3.0 24V	WK00665	
X5	07-10		●	3.0 24V	WH20171BB	
	07-10		●	4.4 V8 32V	WH20171BB	
	07-10		●	4.8 V8 32V	WH20171BB	

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BMW					
X5	00-03		●	3.0 24V	WH20079BB
	00-03		●	4.4 V8 32V	WH20079BB
	00-03		●	4.8 V8 32V	WH20079BB
	10-	●		4.4 V8 32V	WH30276BB
X6	07-10	●		3.0 24V	WH30224BB
	07-10	●		4.4 V8 32V	WH30224BB
	07-10		●	3.0 24V	WH20171BB
	07-10		●	4.4 V8 32V	WH20171BB
Z3	96-00	●		2.5	WH20122BB
	96-00	●		2.8	WH20122BB
	96-00	●		2.5	WK00384
	96-00	●		2.8	WK00384
	97-00		●	2.8	WB42750037BB
	97-00		●	2.8	WK00483
	99-02		●	2.5	WB42750037BB
	99-02		●	2.5	WK00483
Z4	03-06		●	3.0 24V	WB42750037BB
	03-06		●	3.0 24V	WK00483
	06-08	●		2.0 16V	WH20168BB
	06-08	●		3.0 24V	WH20168BB
	06-08	●		2.0 16V	WK00068
	06-08	●		3.0 24V	WK00068
	06-07	●		3.2 24V	WH20170BB
	07-08	●		3.2 24V	WH20170BB
	07-08		●	2.0 16V	WB45850441BBE
	07-08		●	3.0 24V	WB45850441BBE
	07-08		●	3.2 24V	WB45850441BBE
	07-08		●	2.0 16V	WK00665
	07-08		●	3.0 24V	WK00665
	07-08		●	3.2 24V	WK00665
	06-10		●	3.2 24V	WB45850441BBE
	09-10		●	3.2 24V	WB42750037BB
CHRYSLER					
300C	05-11	●		3.6 24V V6 / 4x4	WH30099BB
	05-11	●		5.7 V8 / 4x4	WH30099BB

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CHRYSLER					
300C	05-11		●	3.6 24V V6 / 4x4	WH30180BB
	05-11		●	5.7 V8 / 4x4	WH30180BB
	09-		●	3.6 24V V6	WH20135BB
	09-		●	5.7 V8	WH20135BB
	12-	●		3.6 24V V6	WH30272BB
	12-	●		5.7 V8	WH30272BB
Caravan	01-07		●	2.4 / ABS / 5 furos	WH30021BB
	01-07		●	3.3 / ABS / 5 furos	WH30021BB
	01-07		●	3.6 / ABS / 5 furos	WH30021BB
	01-07		●	3.8 / ABS / 5 furos	WH30021BB
	01-07		●	2.4 / 5 furos	WH30022BB
	01-07		●	3.3 / 5 furos	WH30022BB
	01-07		●	3.6 / 5 furos	WH30022BB
	01-07		●	3.8 / 5 furos	WH30022BB
	96-00		●	3.6 V6 / ABS	WH30018BB
	97-00		●	2.4 / ABS, Roda 15"	WH30018BB
	97-00		●	3.3 / ABS, Roda 15"	WH30018BB
	97-00		●	3.8 / ABS, Roda 15"	WH30018BB
Neon	02-05	●		1.8 16V	WB42760039RB
	02-05	●		2.0 16V	WB42760039RB
	00-01	●		1.8 16V	WB42760033BB
	00-01	●		2.0 16V	WB42760033BB
	95-99	●		1.8 1.6V / cubo / 5 furos	WB40760033BB
	95-99	●		2.0 1.6V / cubo / 5 furos	WB40760033BB
PT Cruiser	01-02	●		2.0 16V	WB42760033BB
	01-02	●		2.4 16V	WB42760033BB
	02-10	●		2.0 16V	WB42760039RB
	02-10	●		2.4 16V	WB42760039RB
	02-10	●		2.0 16V	WK00437
	02-10	●		2.4 16V	WK00437
	03-10		●	2.0 16V	WH20051BB
	03-10		●	2.4 16V	WH20051BB
	02-10		●	2.0 16V	WB42760039RB
	02-10		●	2.4 16V	WB42760039RB

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CITROEN					
Aircross	10-	●		1.6 16V / ABS	WB42820336BBM
AX	92-98	●		1.4 8V	WB35720033BB
	92-98	●		1.4 8V	WK00270
	92-98		●	1.4 8V	WB25520037RB
	92-98		●	1.4 8V	WK00317
Berlingo	04-10		●	1.6 16V / ABS	WK00519
	04-10		●	1.8 / ABS	WK00519
	08-10		●	1.8	WB30620051RB
	96-04		●	1.6 16V / ABS, 48 dentes	WH20143BB
	96-04		●	1.8 / ABS, 48 dentes	WH20143BB
	96-04		●	1.6 16V / ABS, 48 dentes	WK00606
	96-04		●	1.8 / ABS, 48 dentes	WK00606
	96-10	●		1.6 16V	WB42820036BB
	96-10	●		1.6 16V	WK00038
	96-10	●		1.8	WB42820036BB
	96-10	●		1.8	WK00038
	96-99		●	1.6 16V	WH20163BB
	96-99		●	1.6 16V / ABS	WH20163BB
	96-99		●	1.8 / ABS	WH20163BB
96-99		●	1.6 16V / ABS	WK00061	
96-99		●	1.8 / ABS	WK00061	
BX	84-94	●		1.6 16V	WB42820036BB
	84-94	●		1.6 16V	WK00038
	84-94	●		1.9 16V	WB42820036BB
	84-94	●		1.9 16V	WK00038
C3	03-13	●		1.4 8V	WB37720033BB
	03-13	●		1.4 8V	WK00025
	03-13	●		1.4 8V / ABS, Rol. com D 72 mm	WB37720033BBM
	03-13	●		1.4 8V / ABS, Rol. com D 72 mm	WK00025
	03-13		●	1.4 8V / Freio a tambor	WB25520037RB
	03-13		●	1.4 8V / Freio a disco	WK00092
	03-13		●	1.4 8V / Freio a tambor	WK00439

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CITROEN					
C3	12-16	●		1.5 8V / ABS, Rol. com D 72 mm	WB37720033BBM
	12-16	●		1.5 8V / ABS, Rol. com D 72 mm	WK00025
	12-16	●		1.5 8V / ABS, Rol. com D 82 mm	WB42820336BBM
	12-16		●	1.5 8V / Freio a tambor	WB25520042RB
	12-16		●	1.5 8V / Freio a disco	WB30620048RB
	02-10		●	1.6 16V / Freio a tambor	WB25520037RB
	02-10		●	1.6 16V / Freio a disco	WK00092
	02-10		●	1.6 16V / Freio a tambor	WK00439
	02-	●		1.6 16V	WB37720033BB
	02-	●		1.6 16V	WK00025
	02-	●		1.6 16V / ABS	WB37720033BBM
	02-	●		1.6 16V / ABS	WK00025
	11-	●		1.6 16V	WB42820336BBM
	12-		●	1.6 16V / Freio a tambor	WB25520042RB
	12-		●	1.6 16V / Freio a disco	WB30620048RB
	16-	●		1.2 8V / ABS, Rol. com D 72 mm	WB37720033BBM
	16-	●		1.2 8V / ABS, Rol. com D 72 mm	WK00025
	16-		●	1.2 12V / Freio a tambor	WB25520042RB
	16-		●	1.2 12V / Freio a disco	WB30620048RB
	C4	06-14		●	1.6 16V
06-14			●	2.0 16V	WB30620048RB
06-14			●	1.6 16V	WK00060
06-14			●	1.6 16V	WK00111
06-14			●	2.0 16V	WK00060
06-14			●	2.0 16V	WK00111
04-		●		2.0 16V	WB42820336BBM
04-		●		2.0 16V	WK00039
04-			●	2.0	WB30620051RB

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CITROEN					
C4	07-	●		1.6 16V	WB42820336BBM
	07-	●		1.6 16V	WK00039
	13-		●	1.6 16V	WB30620051RB
	13-		●	2.0 16V	WB30620051RB
	13-		●	2.0 16V	WK00650
C5	01-	●		2.0 16V	WB42820336BBM
	01-	●		2.0 16V	WK00039
	01-		●	2.0 16V	WH20158BB
DS3	12-16	●		1.6 16V / ABS, Rol. com D 72 mm	WB37720033BBM
	12-16	●		1.6 16V / ABS, Rol. com D 72 mm	WK00039
	12-16		●	1.6 16V	WB30620048RB
Evasion	94-02	●		2.0	WB44825037BB
	94-02	●		2.0	WK00223
	94-02		●	2.0	WK00052
Jumper	00-09	●		2.8 8V D / 1800 Kg	WB55900060RB
	00-09	●		2.8 D / 1800 Kg	WB55900060RB
	00-09	●		2.8 D / 800 / 1000 / 1400 Kg	WK00459
	00-09		●	2.8 D	WB42750060RB
	09-	●		2.3 D / 1800 Kg	WB55900060RB
	09-	●		2.5 / 1800 Kg	WB55900060RB
	09-	●		2.3 D / 800 / 1000 / 1400 Kg	WK00459
	09-	●		2.5 / 800 / 1000 / 1400 Kg	WK00459
	09-		●	2.3 D	WB42750060RB
	09-		●	2.5	WB42750060RB
Xantia	10-	●		2.3 16V D / 1800 Kg	WB55900060RB
	93-03	●		2.0 8/16V	WB42820036BB
	93-03	●		2.0 8/16V	WK00038
	93-95		●	2.0 8/16V	WH20004BB
	93-95		●	2.0 8/16V	WK00251
	93-95		●	2.0 8/16V / ABS	WK00613
	95-03		●	2.0	WH20163BB
	95-03		●	2.0	WK00054
95-99	●		1.8 8/16V / ABS	WB42820036BB	

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CITROEN					
Xantia	95-99	●		1.8 8/16V / ABS	WK00038
	95-99		●	1.8 / ABS	WH20143BB
	95-99		●	2.0 8/16V / ABS	WH20143BB
	95-99		●	1.8	WH20163BB
	95-99		●	1.8	WK00054
	95-99		●	1.8 / ABS	WK00612
	95-99		●	2.0 8/16V / ABS	WK00612
	99-03	●		3.0 / ABS	WB42820036BB
	99-03	●		3.0 / ABS	WK00038
	99-03		●	2.0 / ABS	WH20143BB
	99-03		●	2.0 / ABS	WK00053
	99-03		●	3.0	WH20163BB
	99-03		●	3.0	WK00054
	Xsara	04-10		●	1.8 / ABS
04-10			●	2.0 / ABS	WK00519
97-98			●	1.6 / Freio a tambor	WB25520037RB
97-98			●	1.6 / Freio a tambor	WK00317
97-98			●	2.0 / Freio a tambor	WB25520037RB
97-98			●	2.0 / Freio a tambor	WK00317
98-04			●	1.6 / Freio a disco com suspensão reforçada	WB25520037RB
98-04			●	1.8 / Freio a disco com suspensão reforçada	WB25520037RB
98-04			●	2.0 / Freio a disco com suspensão reforçada	WB25520037RB
98-04			●	1.6 / Freio a disco com suspensão reforçada	WK00055
98-04			●	1.6 / Freio a tambor sem suspensão reforçada	WK00055
98-04			●	1.6 / ABS, Freio a disco	WK00055
98-04			●	1.6 / ABS, Freio a disco	WH20174BB
98-04			●	1.6 / Freio a disco	WK00055
98-04		●	1.8 / Freio a disco com suspensão reforçada	WK00055	

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CITROEN						
Xsara	98-04		●	1.8 / Freio a tambor sem suspensão reforçada	WK00055	
	98-04		●	1.8 / ABS, Freio a disco	WK00055	
	98-04		●	1.8 / ABS, Freio a disco	WH20174BB	
	98-04		●	1.8 / Freio a disco	WK00055	
	98-04		●	2.0 / Freio a disco com suspensão reforçada	WK00055	
	98-04		●	2.0 / Freio a tambor sem suspensão reforçada	WK00055	
	98-04		●	2.0 / ABS, Freio a disco	WK00055	
	98-04		●	2.0 / ABS, Freio a disco	WH20174BB	
	98-04		●	2.0 / Freio a disco	WK00055	
	98-04		●	1.6 / Freio a disco	WK00392	
	98-04		●	1.8 / Freio a disco	WK00392	
	98-04		●	2.0 / Freio a disco	WK00392	
	98-04		●	1.6 / Freio a tambor sem suspensão reforçada	WK00611	
	98-04		●	1.8 / Freio a tambor sem suspensão reforçada	WK00611	
	98-04		●	2.0 / Freio a tambor sem suspensão reforçada	WK00611	
	99-	●			1.6	WB37720033BB
	99-	●			1.6	WK00025
	99-04		●		1.8 / ABS, 48 dentes	WH20143BB
	99-04		●		2.0 / ABS, 48 dentes	WH20143BB
	99-04		●		1.8 / ABS, 48 dentes	WK00606
	99-04		●		2.0 / ABS, 48 dentes	WK00606
	99-10	●			1.6 16V / ABS	WB42820036BB
	99-10	●			1.6 16V / ABS	WK00038
	99-10	●			1.8 16V / ABS	WB42820036BB
	99-10	●			1.8 16V / ABS	WK00038
	99-10	●			2.0 16V / ABS	WB42820036BB
	99-10	●			2.0 16V / ABS	WK00038

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CITROEN					
Xsara	99-10		●	1.8	WH20163BB
	99-10		●	1.8	WK00054
	99-10		●	2.0	WH20163BB
	99-10		●	2.0	WK00054
	99-99	●		1.6	WB35720033BB
	99-99	●		1.6	WK00270
	92-94	●		1.8 8/16V / ABS	WB42820036BB
	92-94	●		1.8 8/16V / ABS	WK00038
	94-97	●		2.0 8/16V	WB42820036BB
	94-97	●		2.0 8/16V	WK00038
ZX	94-97		●	2.0 / Freio a tambor	WB25520037RB
	94-97		●	2.0 / Freio a tambor	WK00317
	94-97		●	2.0 8/16V / Freio a disco	WB25520037RB
	94-97		●	2.0 8/16V / Freio a disco	WK00055
	95-98	●		1.8 8/16V / ABS	WB42820036BB
	95-98	●		1.8 8/16V / ABS	WK00038
	95-98		●	1.8 / Freio a tambor	WB25520037RB
	95-98		●	1.8 / Freio a tambor	WK00317
	95-98		●	1.8 8/16V / Freio a disco	WB25520037RB
	95-98		●	1.9 / Freio a tambor	WB25520037RB
	95-98		●	1.9 / Freio a tambor	WK00317
	95-98		●	1.9 8/16V / Freio a disco	WB25520037RB
	95-98		●	1.8 8/16V / Freio a disco	WK00055
	95-98		●	1.8 8/16V / Freio a tambor	WK00055
	95-98		●	1.9 8/16V / Freio a disco	WK00055
	95-98		●	1.9 8/16V / ABS, Freio a tambor	WK00055
	95-98		●	1.8 8/16V / Freio a tambor	WK00611
	95-98		●	1.9 8/16V / ABS, Freio a tambor	WK00611

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DAEWOO					
Espero	91-97	●		2.0 8V	WB39720037BB
	91-97	●		2.0 8V / Freio a tambor	WB39720037BB
	91-97	●		2.0 8V	WK00242
	91-97		●	2.0 8V / Freio a tambor	WK00120
Lanos	97-02		●	1.6 16V	WK00120
Nubira	97-03		●	1.6	WK00120
DODGE					
Dakota	96-	●		2.5 8V	JL 69349/10
	96-	●		3.9 V6 12V	JL 69349/10
	96-	●		2.5 8V	LM 12749/11
	96-	●		3.9 V6 12V	LM 12749/11
Gran Caravan	01-07		●	3.3 / ABS, 5 furos	WH30021BB
	01-07		●	3.6 / ABS, 5 furos	WH30021BB
	01-06		●	3.8 / ABS, 5 furos	WH30021BB
	06-07		●	3.8 / ABS, 5 furos	WH30021BB
	01-07		●	4.0 / ABS, 5 furos	WH30021BB
	01-07		●	3.3 / 5 furos	WH30022BB
	01-07		●	3.6 / 5 furos	WH30022BB
	01-06		●	3.8 / 5 furos	WH30018BB
	06-07		●	3.8 / 5 furos	WH30018BB
	01-07		●	4.0 / 5 furos	WH30018BB
	97-00		●	3.3 / ABS Roda 15"	WH30018BB
	97-00		●	3.6 / ABS, Roda 15"	WH30018BB
	01-06		●	3.8 / ABS, Roda 15"	WH30018BB
	06-07		●	3.8 / ABS, Roda 15"	WH30022BB
97-00		●	4.0 / ABS, Roda 15"	WH30022BB	
Journey	08-09	●		2.7 V6	WH30206BB
	08-09	●		3.9 V6	WH30206BB
	09-	●		2.7 V6	WH30206BB
	09-	●		3.9 V6	WH30206BB
FIAT					
147	77-85	●		1.050	WB30600337BB
	77-83	●		1.3	WB30600337BB

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FIAT					
147	83-85	●		1.050	WB30600337BB
	77-86		●	1.050	WK00268
	77-86		●	1.3	WK00268
	77-86		●	1.050	WB35680037BB
	85-	●		1.050	WB35680037BB
	85-	●		1.3	WB35680037BB
	85-	●		1.050	WK00280
	85-	●		1.050	WB37720037BBM
	85-	●		1.3	WB37720037BBM
	85-	●		1.050	WK00654
Argo	17-	●		1.8 8V / ABS	WB37720037BBM
Brava	99-03	●		1.6 16V	WB37720037BB
	99-03	●		1.8 16V	WB37720037BB
	99-03	●		1.6 16V / ABS	WB37720037BBM
	99-03	●		1.8 16V / ABS	WB37720037BBM
	99-03	●		1.6 16V	WB37720437BB
	99-03	●		1.8 16V	WB37720437BB
	99-03		●	1.6 16V	WH20166BB
	99-03		●	1.8 16V	WH20166BB
Bravo	11-	●		1.8 16V	WB37740437BBM
	11-	●		1.8 16V	WK00444
	11-	●		1.8 16V	WK00531
	12-	●		1.4 T-Jet	WB37740437BBM
	12-	●		1.4 T-Jet	WK00444
	12-	●		1.4 T-Jet	WK00531
Cinquecento	08-	●		1.4 8/16V / ABS	WB37720037BBM
	08-	●		1.4 8/16V / ABS	WK00569
Coupé	95-98	●		2.0 16V	WB37720037BB
	95-98		●	2.0 16V / ABS	WK00049
	95-98		●	2.0 16V / ABS	WH20166BB
Doblò	01-04	●		1.6 16V	WB37720037BB
	01-04	●		1.6 16V / ABS	WB37720037BBM
	01-04	●		1.6 16V	WB37720437BB
	01-04		●	1.6 16V	WK00059
	01-06	●		1.3 16V	WB37720037BB
	01-06	●		1.3 16V / ABS	WB37720037BBM

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FIAT					
Doblò	01-06	●		1.3 16V	WB37720437BB
	01-06		●	1.3 16V	WK00059
	03-	●		1.8 8/16V	WB37720037BB
	03-	●		1.8 8/16V / ABS	WB37720037BBM
	03-	●		1.8 8/16V	WB37720437BB
	03-		●	1.8 8/16V	WK00059
	10-	●		1.4 8V	WB37720037BB
	10-	●		1.4 8V / ABS	WB37720037BBM
	10-	●		1.4 8V	WB37720437BB
	10-		●	1.4 8V	WK00059
Ducato	05-09	●		2.8 D/TD / 1500 Kg	WK00459
	00-09	●		2.8 D/TD / 1800 Kg	WB55900060RB
	02-	●		2.3 D / 1500 Kg	WK00459
	09-		●	2.3 D	WB42750060RB
	97-99	●		2.5 D	32010 X
	97-99	●		2.5 D	32011 X
	97-99	●		2.5 D / 1800 Kg	WB55900060RB
	97-99	●		2.5 D	WK00190
	97-99	●		2.5 D	WK00365
	97-99	●		2.5 D	WK00459
	97-99		●	2.5 D	32206
	97-99		●	2.5 D	32006 X
	97-99		●	2.5 D	WK00126
	97-99		●	2.5 D	WK00191
	98-		●	2.8 D/DT	WB42750060RB
	98-02	●		2.8 D/TD	32010 X
	98-02	●		2.8 D/TD	WK00190
	98-02		●	2.8 D/TD	32206
	98-02		●	2.8 D/TD	32006 X
	98-02		●	2.8 D/TD	WK00126
	98-02		●	2.8 D/TD	WK00191
	98-05	●		2.8 D/TD	32011 X
	98-05	●		2.8 D/TD	WK00365
	98-05	●		2.8 D/TD	WK00459
98-09	●		2.8 D/TD / 1800 Kg	WB55900060RB	

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FIAT					
Elba	86-89	●		1.3 8V	WB35680037BB
	86-89	●		1.3 8V	WB37720037BBM
	86-96	●		1.5 8V	WB35680037BB
	86-96	●		1.5 8V	WB37720037BBM
	89-96	●		1.6 8V	WB35680037BB
	89-96	●		1.6 8V	WB37720037BBM
Fiorino	12-	●		2.4 16V / ABS	WH30206BB
	85-85	●		1.3 8V	WB30600337BB
	85-94	●		1.3 8V	WB35680037BB
	85-94	●		1.3 8V	WB37720037BBM
	89-94	●		1.5 8V	WB35680037BB
	89-94	●		1.6 8V	WB35680037BB
	89-94	●		1.5 8V	WB37720037BBM
	89-94	●		1.6 8V	WB37720037BBM
	94-	●		1.3 8V	WB37720437BB
	94-	●		1.6 8V	WB37720437BB
	94-04	●		1.5 8V	WB37720437BB
	94-96	●		1.0 8V	WB37720437BB
Freemont	12-	●		2.4 16V / ABS	WH30206BB
Grand Siena	12-	●		1.4 8V	WB35660033BB
	12-	●		1.6 8V	WB35660033BB
	12-	●		1.6 8V / ABS	WB37720037BBM
	12-		●	1.4 8V	WH20166BB
	12-		●	1.6 8V	WH20166BB
Idea	05-	●		1.4 8V	WB37720037BBM
	05-	●		1.8 8/16V / ABS	WB37720037BBM
	05-	●		1.8 8/16V	WB37720437BB
	05-		●	1.4 8V	WH20166BB
	05-		●	1.8 8/16V	WH20166BB
	06-	●		1.4 8V / ABS, placa magnética	WB35680037BB
	10-	●		1.6 16V / ABS	WB37720037BBM
	10-	●		1.6 16V	WB37720437BB
Linea	10-		●	1.6 16V	WH20166BB
	08-16	●		1.4 16V / T-Jet	WB35720033BB
	08-16	●		1.4 16V / T-Jet	WK00270
	08-16	●		1.4 16V / ABS, T-Jet	WB35720433BBM

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FIAT						
Linea	08-16	●			1.4 16V / ABS, T-Jet	WK00422
	08-16	●			1.8 16V / ABS, E-TorQ	WB37720037BBM
	08-16	●			1.9 16V / ABS	WB37720037BBM
	08-16	●			1.8 16V / E-torQ	WB37720437BB
	08-16	●			1.9 16V	WB37720437BB
	08-16			●	1.4 16V / T-Jet	WH20166BB
	08-16			●	1.8 16V / E-torQ	WH20166BB
	08-16			●	1.9 16V	WH20166BB
Marea	05-07	●			1.6 16V	WB37720037BB
	05-07	●			1.6 16V / ABS	WB37720037BBM
	05-07	●			1.6 16V	WB37720437BB
	05-07			●	1.6 16V	WH20166BB
	99-	●			2.4 20V	WB42800237BB
	99-	●			2.4 20V	WK00358
	99-			●	2.4 20V	WH20166BB
	99-07	●			1.8 16V	WB37720037BB
	99-07	●			1.8 16V / ABS	WB37720037BBM
	99-07	●			1.8 16V	WB37720437BB
	99-07	●			2.0 20V	WB42800237BB
	99-07	●			2.0 20V	WK00358
	99-07			●	1.8 16V	WH20166BB
99-07			●	2.0 20V	WH20166BB	
Novo Fiorino	11-	●			1.4 8V	WB35660033BB
Novo Palio	12-	●			1.0 8V	WB35660033BB
	12-			●	1.0 8V	WH20166BB
Novo Uno	10-	●			1.0 8V	WB35660033BB
	10-	●			1.4 8V	WB35660033BB
	10-			●	1.0 8V	WH20166BB
	10-			●	1.4 8V	WH20166BB
Oggi	83-85	●			1.3 8V	WB30600337BB
	83-85			●	1.3 8V	WK00268
Palio	03-06			●	1.3 8V	WK00268
	03-06			●	1.4 8V	WK00268
	01-12	●			1.0 8/16V / ABS, placa magnética	WB35680037BB
	01-12	●			1.3 8V / ABS, placa magnética	WB35680037BB

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FIAT					
Palio	01-12	●		1.5 8V / ABS, placa magnética	WB35680037BB
	05-12	●		1.4 8V / ABS, placa magnética	WB35680037BB
	00-02		●	1.3 8V	WH20166BB
	00-02		●	1.8 / 8V	WH20166BB
	00-06	●		1.3 8V	WB37720037BBM
	02-	●		1.8 8V	WB37720437BB
	03-	●		1.8 8V / ABS	WB37720037BBM
	03-		●	1.0 8/16V	WK00268
	03-		●	1.6 8/16V	WK00268
	03-		●	1.8 8V	WK00268
	96-	●		1.0 8/16V	WB37720037BBM
	96-	●		1.5 8V	WB37720037BBM
	96-	●		1.6 8/16V	WB37720037BBM
	96-02		●	1.0 8/16V	WH20166BB
	96-02		●	1.5 8V	WH20166BB
	96-02		●	1.6 8/16V / Exceto Adventure	WH20166BB
Pick-up	77-87		●	1.050	WK00268
	77-87		●	1.3	WK00268
	77-87		●	1.050	WB35680037BB
Prêmio	85-91	●		1.3 8V	WB35680037BB
	85-91	●		1.3 8V	WB37720037BBM
	85-91		●	1.3 8V	WK00268
	85-95	●		1.5 8V	WB35680037BB
	85-95	●		1.5 8V	WB37720037BBM
	85-95		●	1.5 8V	WK00268
	85-96	●		1.6 8V	WB35680037BB
	85-96	●		1.6 8V	WB37720037BBM
	85-96		●	1.6 8V	WK00268
Punto	07-	●		1.4 8/16V	WB35720033BB
	07-	●		1.4 8/16V	WK00270
	07-	●		1.4 8/16V / ABS	WB35720433BBM
	07-	●		1.4 8/16V / ABS	WK00422
	07-		●	1.4 8/16V	WH20166BB
	08-	●		1.8 16V / ABS	WB37720037BBM
	08-	●		1.8 16V	WB37720437BB

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Punto	08-		●	1.8 16V	WH20166BB
	10-	●		1.6 16V / ABS	WB37720037BBM
	10-	●		1.6 16V	WB37720437BB
	10-		●	1.6 16V	WH20166BB
Siena	01-05	●		1.3 8V	WB37720037BBM
	03-05		●	1.3 8V	WK00268
	00-02		●	1.3 / 8V	WH20166BB
	01-	●		1.0 8V / ABS, placa magnética	WB35680037BB
	01-	●		1.3 8/16V / ABS, placa magnética	WB35680037BB
	01-	●		1.4 8V / ABS, placa magnética	WB35680037BB
	01-	●		1.5 8V / ABS, placa magnética	WB35680037BB
	03-	●		1.8 8V	WB37720437BB
	03-		●	1.5 8V	WK00268
	97-02		●	1.0 8/16V	WH20166BB
	97-12	●		1.0 8/16	WB37720037BBM
	98-	●		1.6 8/16V	WB37720037BBM
	98-02		●	1.6 8/16V	WH20166BB
	99-02		●	1.5 8V	WH20166BB
	99-04	●		1.5 8V	WB37720037BBM
Spazio	83-86	●		1.3 8V	WB30600337BB
	83-86		●	1.3 8V	WK00268
Stilo	02-11	●		1.8 8/16V	WB37740437BBM
	02-11	●		2.4 20V	WB37740437BBM
	02-11		●	1.8 8/16V	WH20166BB
	02-11		●	2.4 20V	WH20166BB
Strada	03-05	●		1.3 8/16V	WB37720037BB
	03-05	●		1.3 8/16V / ABS	WB37720037BBM
	03-05	●		1.3 8/16V	WB37720437BB
	03-05		●	1.3 8/16V / ABS	WK00059
	05-12	●		1.4 8V	WB37720037BB
	05-12	●		1.4 8V	WB37720437BB
	02-	●		1.8 8V	WB37720037BB
	02-	●		1.8 8V / ABS	WB37720037BBM
02-		●	1.8 8V / ABS	WK00059	

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FIAT					
Strada	05-	●		1.4 8V / ABS	WB37720037BBM
	05-		●	1.4 8V / ABS	WK00059
	98-03	●		1.6 8/16V	WB37720037BB
	98-03	●		1.6 8/16V / ABS	WB37720037BBM
	98-03	●		1.6 8/16V	WB37720437BB
	98-03		●	1.6 8/16V / ABS	WK00059
	98-04	●		1.5 8V	WB37720037BB
	98-04	●		1.5 8V / ABS	WB37720037BBM
	98-04	●		1.5 8V	WB37720437BB
	98-04		●	1.5 8V / ABS	WK00059
Tempra	92-99	●		2.0 8/16V	WB37720037BB
	92-99	●		2.0 8/16V / ABS	WB37720037BBM
	92-99	●		2.0 8/16V	WB37720437BB
	92-99		●	2.0 8/16V / Freio a tambor	WH20166BB
	93-97	●		1.6 8V	WB35720033BB
	93-97	●		1.6 8V	WK00270
	93-97		●	1.6 8V	WH20166BB
	94-95	●		2.0 8/16V	WB37720037BB
	94-95	●		2.0 8/16V	WB37720437BB
	94-95		●	2.0 8/16V / Freio a tambor	WH20166BB
Uno - (Mille)	84-		●	1.3	WK00268
	84-		●	1.5	WK00268
	84-		●	1.6	WK00268
	84-95	●		1.5 8V	WB35680037BB
	84-95	●		1.5 8V	WB37720037BBM
	85-	●		1.0 8V	WB35680037BB
	85-	●		1.3 8V	WB35680037BB
	85-	●		1.0 8V	WB37720037BBM
	85-	●		1.3 8V	WB37720037BBM
	85-		●	1.0	WK00268
	90-	●		1.6 8V	WB35680037BB
	90-	●		1.6 8V	WB37720037BBM
	93-	●		1.4 8V	WB35680037BB

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Uno - (Mille)	93-	●			1.4 8V	WB37720037BBM
	93-		●		1.4	WK00268
	-85	●			1.0 8V	WB30600337BB
FORD						
Courier	96-00	●			1.3 8V	WB39720037BB
	96-00	●			1.4 16V	WB39720037BB
	99-	●			1.6 8V	WB39720037BB
EcoSport	03-	●			1.0 8V	WB39720037BB
	03-	●			1.6 8V	WB39720037BB
	03-	●			2.0 8/16V / 4x2	WB39720037BB
	03-		●		1.0 8V	WB29530037RB
	03-		●		1.6 8V	WB29530037RB
	03-		●		2.0 8/16V / 4x2	WB29530037RB
Edge	07-09		●		3.5 V6	WH30088BB
	07-10		●		3.5 V6 / FWD	WH30275BB
	07-	●			3.5 V6	WB45840045BB
	09-10		●		3.5 V6	WB45840045BB
	11-		●		3.5 V6	WH30202BB
Escort	93-93	●			1.0 8V	JL 68145/11 Z
	93-93	●			1.6 8V	JL 68145/11 Z
	93-93	●			1.8 8V	JL 68145/11 Z
	93-93	●			2.0 8V	JL 68145/11 Z
	93-93		●		1.0 8V	WK00622
	93-93		●		1.6 8V	WK00622
	93-93		●		1.8 8V	WK00622
	93-93		●		2.0 8V	WK00622
	94-	●			1.6	WB39720037BB
	94-	●			1.8 8V	WB39720037BB
	94-	●			2.0 8V	WB39720037BB
	94-		●		1.0 8V	TR00001
	94-		●		1.6 8V	TR00001
	94-		●		1.8 8/16V	TR00001
94-		●		2.0 8V	TR00001	
Explorer	95-95	●			4.0 V6 / 4x2	LM 67048/10
	-	●			4.0 V6 / 4x4	LM 603049/11

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FORD					
F-1000	90-96	●		3.6	LM 501349/14
	90-96	●		3.9 D	LM 501349/14
	90-96	●		3.6	LM 603049/11
	90-96	●		3.9 D	LM 603049/11
	95-98	●		4.9 Gas.	LM 501349/14
	95-98	●		4.9 Gas.	LM 603049/11
	96-98	●		2.5 HSD	LM 501349/14
	96-98	●		4.3 D	LM 501349/14
	96-98	●		2.5 HSD	LM 603049/11
	96-98	●		4.3 D	LM 603049/11
F-250	99-	●		3.9 Diesel	387A/2A
	99-	●		4.2 Diesel	387A/2A
	99-	●		6.0	387A/2A
	99-	●		6.7 Diesel	387A/2A
	99-	●		3.9 Diesel	LM 104949/11
	99-	●		4.2 Diesel	LM 104949/11
	99-	●			LM 104949/11
	99-	●		6.7 Diesel	LM 104949/11
	99-		●	3.9 Diesel	LM 501349/10
	99-		●	4.2 Diesel	LM 501349/10
	99-		●		LM 501349/10
	99-		●	6.7 Diesel	LM 501349/10
Fiesta	02-		●	1.0 8V	WB29530037RB
	02-		●	1.6 8V	WB29530037RB
	02-	●		1.0 8V	WB39720037BB
	02-	●		1.6 8V	WB39720037BB
	95-02	●		1.0 8V	WB39720037BB
	95-02		●	1.0 8V	TR00001
	95-99	●		1.3 8V	WB39720037BB
	95-99		●	1.3 8V	TR00001
	96-00	●		1.4 8V	WB39720037BB
	96-00		●	1.4 8V	TR00001
Focus	10-13	●		1.6 16V / ABS	WH20137BB
	10-13	●		2.0 16V / ABS	WH20137BB
	10-13		●	1.6 16V / ABS	WH30218BB
	00-09		●	1.6 8/16V / ABS	WB29530037RB

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FORD						
Focus	00-09		●		1.8 16V / ABS	WB29530037RB
	14-	●			1.6 16V / ABS	WB45820042BBM
	14-		●		1.6 16V / ABS	WK00637
Fusion	10-13		●		2.0 16V / ABS	WH30218BB
	06-12		●		2.3 16V	WH20153BB
	10-12		●		2.5 16V	WH20153BB
	10-12		●		3.0 V6	WH20153BB
	00-09		●		2.0 16V / ABS	WB29530037RB
	13-	●			2.0 16V / ABS	WH30282BB
	13-	●			2.5 16V / ABS	WH30282BB
	13-		●		2.0 16V / ABS	WH30281BB
	13-		●		2.5 16V / ABS	WH30281BB
	14-	●			2.0 16V / ABS	WB45820042BBM
Ka	14-		●		2.0 16V / ABS	WK00637
	97-		●		1.0 8V	TR00001
	97-		●		1.6 8V	TR00001
	97-02	●			1.3 8V	WB39720037BB
	97-02		●		1.3 8V	TR00001
	97-07	●			1.0 8V	WB39720037BB
Mondeo	97-07	●			1.0 8V	TR00001
	93-06		●		2.0 16V / ABS	WH20014BB
	93-06		●		2.0 16V / ABS	WK00319
	93-06		●		2.0 16V	WK00318
	93-96	●			1.8 16V	WB40750037BB
	93-96	●			1.8 16V	WK00032
	93-96		●		1.8 16V / ABS	WH20014BB
	93-96		●		1.8 16V	WH20014BB
	93-96		●		1.8 16V	WK00318
	97-06	●			2.0 16V	WB40750037BB
New Fiesta	97-06	●			2.0 16V	WK00032
	10-		●		1.5 8V	WH30225BB
Ranger	10-		●		1.6 8V	WH30225BB
	95-95	●			2.3 / 4x2	LM 67048/10
Royale	95-95	●			4.0 / 4x2	LM 67048/10
	92-94	●			1.8 8V	WB39680037BB
	92-94	●			2.0 8V	WB39680037BB

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FORD					
Royale	92-96		●	1.8 8V	WK00112
	92-96		●	2.0 8V	WK00112
	94-96	●		2.0 8V	WB39720037BB
	94-96	●		1.8 8V	WB39720037BB
Transit	09-10	●		2.4 TD	WK00011
	09-10	●		2.4 TD / furo de 45 mm	WK00011
	09-10	●		2.4 TD / Suspensão reforçada	WK00012
	09-10	●		2.4 TD / Suspensão reforçada / furo de 49 mm	WK00012
	09-10		●	2.4 TD / 800Kg	WK00009
	09-09		●	2.4 TD / ABS, 800/1300Kg	WK00628
	10-10		●	2.4 TD / ABS, 800/1300Kg	WK00628
	09-10		●	2.4 TD / ABS, 1500/1700Kg	WK00629
Verona	93-93	●		1.6 8V	JL 68145/11 Z
	94-	●		1.6 8V	WB39720037BB
	94-	●		1.8 8V	WB39720037BB
	94-	●		2.0 8V	WB39720037BB
	94-		●	1.8 8V	TR00001
Versailles	91-94	●		1.8 8V	WB39680037BB
	91-94	●		2.0 8V	WB39680037BB
GM					
Agile	09-14	●		1.4 8V	WB34660037BB
Astra	94-97	●		1.8 8V	WK00627
	94-97	●		2.0 8V	WK00627
	96-04	●		4.3 MPFI / ABS	WH30130BB
	98-11		●	1.8 8V / ABS, Freio a disco, 4 Furos	WH30216BB
	98-11		●	2.0 8/16V / ABS, Freio a disco, 4 Furos	WH30216BB
	98-11		●	1.8 8V / Freio a Disco	WK00081
	98-11		●	2.0 8/16V / Freio a disco, 4 Furos	WK00081

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Astra	99-11	●		2.0 16V / ABS, Freio a disco, 5 Furos	WK00298
	99-11	●		2.0 16V / ABS, Freio a disco, 5 Furos	WH20140BB
	99-11	●		1.8 8V / ABS, Freio a disco, 4 Furos	WK00298
	99-11	●		1.8 8V / ABS, Freio a disco, 4 Furos	WH20140BB
	99-11	●		2.0 8V / Freio a disco, 4 Furos	WK00082
	99-11	●		2.0 8V / Freio a disco, 4 Furos	WK00082
	99-11	●		1.8 8V / ABS, Freio a disco, 4 Furos	WK00083
	99-11	●		2.0 8V / ABS, Freio a disco, 4 Furos	WK00083
	99-11	●		2.0 16V / Freio a disco, 5 Furos	WK00084
	99-11		●	2.0 8/16V / Freio a disco, 5 Furos	WK00085
	99-11		●	2.0 8/16V / ABS, Freio a disco, 5 Furos	WK00346
	Blazer	12-16	●		2.4 / 4x2/4x4
12-16		●		2.4 / 4x2/4x4	32009 X
00-			●	2.8 D	U 399/U 360 L-A
02-		●		2.4 MPFI	LM 67048/10
02-		●		2.4 MPFI	M 12649/10
02-			●	2.4 8V	U 399/U 360 L-A
02-			●	2.4 MPFI	U 399/U 360 L-A
96-			●	4.3 MPFI	U 399/U 360 L-A
96-04		●		4.3 MPFI / ABS	WH30130BB
96-		●		4.3 MPFI	LM 67048/10
Calibra	93-97	●		2.0 16V	WK00627
	93-97		●	2.0 16V	WB37740045BB
	93-97		●	2.0 16V	WK00244
Camaro	10-	●		6.2 V8	WH30274BB
	10-		●	6.2 V8	WH30277BB

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GM					
Captiva	08-	●		3.6	WH30203BB
	08-		●	3.6	WH30232BB
	09-	●		2.4	WH30203BB
	09-		●	2.4	WH30232BB
	11-	●		3.0	WH30203BB
	11-		●	3.0	WH30232BB
Caravan	75-	●		2.5 4 Cil.	WK00626
	75-	●		4.1 6 Cil.	WK00626
Celta	01-16	●		1.0 8V	WB34660037BB
	01-16	●		1.0 8V	WK00245
	01-16	●		1.4 8V	WB34660037BB
	01-16	●		1.4 8V	WK00245
	01-16		●	1.0 8V	WK00624
	01-16		●	1.4 8V	WK00624
Chevette	73-93	●		1.4 8V	WK00152
	82-93	●		1.6 8V	WK00152
	93-	●		1.0 8V	WK00152
Chevy 500	84-95	●		1.6 8V	WK00152
Classic	02-	●		1.0 8/16V	WB34660037BB
	02-	●		1.0 8/16V	WK00245
	02-	●		1.4 8V	WB34660037BB
	02-	●		1.4 8V	WK00245
	02-	●		1.6 8/16V	WB34660037BB
	02-	●		1.6 8/16V	WK00245
	02-		●	1.0 8/16V	WK00624
	02-		●	1.4 8V	WK00624
	02-		●	1.6 8/16V	WK00624
Cobalt	12-	●		1.4 8V	WB40780240BBM
	12-	●		1.8 8V	WB40780240BBM
Corsa	02-	●		1.0 8V	WB34670037BB
	02-	●		1.4 8V	WB34670037BB
	02-	●		1.8 8V	WB34670037BB
	02-		●	1.0 8V	WB27530043RB
	02-		●	1.4 8V	WB27530043RB
	02-		●	1.8 8V	WB27530043RB
	94-02	●		1.0 8/16V	WB34660037BB
	94-02	●		1.0 8/16V	WK00245

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GM					
Corsa	94-02	●		1.4 8V	WB34660037BB
	94-02	●		1.4 8/16V	WB34660037BB
	94-02		●	1.0 8/16V	WK00624
	94-02		●	1.4 8/16V	WK00624
	94-04	●		1.6 8/16V	WB34660037BB
	94-04	●		1.6 8/16V	WK00245
	94-04		●	1.6 8/16V	WK00624
Cruze	11-	●		1.8 16V C18SEL / ABS	WH30227BB
	11-	●		1.8 16V C18SEL / ABS	WK00655
	11-		●	1.8 16V C18SEL / ABS	WH30234BB
	11-		●	1.8 16V C18SEL / ABS	WK00656
Gran Blazer	98-99		●	4.1 MPFi	U 399/U 360 L-A
	98-99		●	4.2 TD	U 399/U 360 L-A
Ipanema	89-97	●		1.8 8V	WK00627
	89-97	●		2.0 8V	WK00627
	89-97		●	1.8 8V	WK00624
	89-97		●	2.0 8V	WK00624
Kadett	89-98	●		1.8 8V	WK00627
	89-98	●		2.0 8V	WK00627
	89-98		●	1.8 8V	WK00624
	89-98		●	2.0 8V	WK00624
Malibu	10-11	●		2.4 LTZ	WH30173BB
	11-	●		2.4 LTZ	WH30173BB
	10-11		●	2.4 LTZ	WH30066BB
	11-		●	2.4 LTZ	WH30066BB
Marajó	80-89	●		1.4 8V	WK00152
	82-89	●		1.6 8V	WK00152
Meriva	03-	●		1.8 8/16	WB34670037BB
	03-		●	1.8 8/16	WK00081
	08-	●		1.4 8V	WB34670037BB
	08-		●	1.4 8V	WK00081
Montana	04-10		●	1.4 8V / ABS, 4 furos	WH30216BB
	04-10		●	1.8 8V / 4 furos	WK00081
	08-10		●	1.4 8V / ABS, 4 furos	WH30216BB
	08-10		●	1.4 8V / 4 furos	WK00081

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Montana	04-	●		1.8 8V	WB34670037BB
	11-		●	1.4V / ABS, 4 furos	WK00090
	11-		●	1.8V / ABS	WK00090
Monza	82-86	●		1.8 8V	WK00627
	82-86		●	1.6 8V	WK00624
	82-96	●		1.8 8V	WK00627
	82-96		●	1.8 8V	WK00624
	87-96		●	2.0 8V	WK00624
	87-98	●		2.0 8V	WK00627
Omega	92-98	●		3.0 12V / ABS	WH20128BB
	92-98		●	3.0 12V	WB37740045BB
	92-99	●		2.0 8V / ABS	WH20128BB
	92-99		●	2.0 8V	WB39720037BB
	95-98	●		2.2 8V / ABS	WH20128BB
	95-98	●		4.1 12V / ABS	WH20128BB
	95-98		●	4.1 12V	WB37740045BB
	95-98		●	2.0 8V	WB39720037BB
Onix	12-	●		1.0 8V	WB40780240BBM
	12-	●		1.4 8V	WB40780240BBM
Opala	75-	●		2.5	WK00626
Prisma	06-	●		1.0 8V	WB34660037BB
	06-	●		1.0 8V	WK00245
	06-	●		1.4 8V	WB34660037BB
	06-	●		1.4 8V	WK00245
	06-		●	1.0 8V	WK00624
	06-		●	1.4 8V	WK00624
	13-	●		1.0 8V	WB40780240BBM
	13-	●		1.4 8V	WB40780240BBM
S10	96-04	●		4.3 MPFI / ABS	WH30130BB
Sonic	12-14	●		1.6 8V	WB40780240BBM
Spin	92-99	●		2.0 8V / ABS	WH20128BB
Suprema	92-98	●		3.0 12V / ABS	WH20128BB
	92-98		●	3.0 12V	WB37740045BB
	95-98	●		2.2 8V / ABS	WH20128BB
	95-98	●		4.1 12V / ABS	WH20128BB
	95-98		●	4.1 12V	WB37740045BB
	95-98		●	2.0 8V	WB39720037BB

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Tigra	98-99	●		1.6 16V	WB34660037BB
	98-99	●		1.6 16V	WK00245
	98-99		●	1.6 16V	WK00624
Tracker	01-04	●		2.0	WH20130BB
	12-	●		1.8 / ABS	WB40780240BBM
	13-		●	1.6 8V	WH30259BB
Trailblazer	13-	●		2.8 TD / 4x2 / 4x4	32008 X
	13-	●		3.6 V6 / 4x2 / 4x4	32008 X
	13-	●		2.8 TD / 4x2 / 4x4	32009 X
	13-	●		3.6 V6 / 4x2 / 4x4	32009 X
Vectra	06-11		●	2.0 8V / 5 furos	WK00085
	06-	●		2.0 8V / ABS, 5 furos	WH30217BB
	06-	●		2.0 8V / ABS, 5 furos	WK00298
	06-	●		2.4 16V / ABS	WH30217BB
	06-	●		2.4 16V / ABS	WK00298
	06-	●		2.0 8V / 5 furos	WK00084
	06-	●		2.4 16V	WK00084
	06-		●	2.4 16V	WK00085
	06-		●	2.4 16V / ABS, 5 furos	WK00346
	93-05		●	2.0 8V / ABS, Freio a disco, 4 Furos	WH30216BB
	93-05		●	2.0 8/16V / ABS	WK00346
	93-10		●	2.0 8V	WK00081
	94-96	●		2.0 8/16V	WK00627
	95-05		●	2.2 16V / ABS	WK00346
	96-10	●		2.0 8/16V / 4 furos	WB39740036/34BB
	96-10	●		2.0 8/16V / 4 furos	WB39740039BB
	97-05		●	2.2 8V / ABS	WH30216BB
97-10	●		2.2 8/16V	WB39740036/34BB	
97-10	●		2.2 8/16V	WB39740039BB	
97-10		●	2.2 8V	WK00081	
Zafira	01-12	●		2.0 8/16V / ABS, Freio a disco, 5 Furos	WH30217BB
	01-12	●		2.0 8/16V / ABS, Freio a disco, 5 Furos	WK00298

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Zafira	01-12	●		2.0 8/16V / Freio a disco, 4 Furos	WK00082
	01-12	●		2.0 8/16V / Freio a disco, 4 Furos	WH20140BB
	01-12	●		2.0 8/16V / ABS, Freio a disco, 4 Furos	WK00083
	01-12	●		2.0 8/16V / ABS, 5 furos	WK00084
	01-12		●	2.0 8/16V / ABS, 4 Furos	WH30216BB
	01-12		●	2.0 8/16V / 4 Furos	WK00081
	01-12		●	2.0 8/16V / 5 Furos	WK00085
	01-12		●	2.0 8/16V / ABS, 5 furos	WK00346

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Accent	00-05	●		1.5	WB38700037BB
	00-06		●	1.5 / ABS	WH20065BB
	00-06		●	1.5	WH20066BB
	94-96		●	1.5 / ABS	WH20017BB
	94-96		●	1.5	WK00327
	94-99	●		1.5	WK00134
	96-00		●	1.5	WH20045BB
	96-00		●	1.5 / ABS	WH20049BB
Accord	02-03	●		3.5 V6 24 V	WB52910040BBM
	03-05		●	3.0 24 V / 5 Parafusos	WH30084BB
	03-05		●	3.0 24 V / 5 Parafusos	WK00657
	03-08		●	2.0 16V	WH30084BB
	03-08		●	2.4 16V	WH30084BB
	03-11	●		2.0 16V	WB48860042/40BB
	03-11	●		2.4 16V	WB48860042/40BB
	03-11	●		2.0 16V	WB52910040BBM
	03-11	●		2.0 16V	WK00658
	03-06		●	2.0 16V / ABS, 5 Parafusos	WH20064BB
	03-11		●	2.4 16V / ABS, 5 Parafusos	WH20064BB

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HONDA					
	03-06		●	3.0 24V / ABS, 5 Parafusos	WH20064BB
	06-11		●	2.0 16V / ABS, 5 Parafusos	WH20064BB
	03-11		●	2.4 16V / ABS	WH20064BB
	06-11		●	3.0 24V / ABS, 5 Parafusos	WH20064BB
	06-11		●	2.0 16V / ABS, 5 Parafusos	WH30096BB
	06-11		●	2.4 16V / 5 Parafusos	WH30096BB
	06-09		●	3.0 24V / 5 Parafusos	WK00659
	06-11		●	2.0 16V / 5 Parafusos	WH30096BB
	06-11		●	2.4 16V	WH30096BB
	09-11		●	3.0 24V / 5 Parafusos	WH30096BB
	03-	●		3.5 V6 24 V	WB52910040BBM
Accord	03-04		●	3.5 24V / ABS, 5 Parafusos	WH20064BB
	04-		●	3.5 24V / ABS, 5 Parafusos	WH20064BB
	06-		●	3.5 24V / 5 Parafusos	WK00659
	06-		●	3.5 24V / 5 Parafusos	WH30096BB
	92-05		●	2.0 16V / Freio a disco	WH20023BB
	92-05		●	2.2 16V / Freio a disco	WH20023BB
	92-05		●	2.3 16V / Freio a disco	WH20023BB
	92-05		●	2.0 16V / Freio a disco	WK00660
	92-05		●	2.2 16V / Freio a disco	WK00660
	92-05		●	2.3 16V / Freio a disco	WK00660
	93-93		●	2.0 16V / ABS, Freio a disco, 4x2	WH20111BB
	93-93		●	2.2 16V / ABS, Freio a disco, 4x2	WH20111BB

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HONDA							
	94-97			●		2.0 16V	WH20011BB
	94-97			●		2.2 16V	WH20011BB
	94-97			●		2.3 16V / Freio a disco	WH20011BB
	94-97			●		2.0 16V	WK00661
	94-97			●		2.2 16V	WK00661
	94-97			●		2.3 16V / Freio a disco	WK00661
	95-96			●		2.7 V6 / ABS, Freio a disco, 4 Furos	WH20021BB
	96-97			●		2.7 V6 / ABS, Freio a disco, 4 furos	WH20021BB
	97-	●				2.0 16V	WH20116BB
	97-97	●				2.0 16V	WK00326
	97-98	●				2.2 16V	WH20116BB
	97-98	●				2.2 16V	WH20116BB
	97-97	●				2.3 16V	WH20116BB
	97-98	●				2.3 16V	WK00326
	97-97	●				2.0 16V	WH20116BB
Accord	97-97	●				2.2 16V	WK00326
	98-98	●				2.3 16V	WK00326
	97-97			●		2.0 16V / Freio a tambor, 4 furos	WH20036BB
	97-97			●		2.2 16V / Freio a disco, 4 Furos	WH20036BB
	97-97			●		2.3 16V / 4 Parafusos	WH20036BB
	97-97			●		2.0 16V / Freio a tambor, 4 furos	WH20036BB
	97-97			●		2.2 16V / Freio a tambor, 4 furos	WH20036BB
	97-97			●		2.3 16V / 4 Parafusos	WH20036BB
	97-97			●		2.0 16V / Freio a tambor	WH20110BB
	97-97			●		2.2 16V / Freio a tambor	WH20110BB
	97-97			●		2.3 16V / Freio a tambor	WH20110BB
	98-02	●				2.3 16V	WB45840042/40BB

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HONDA					
	98-02	●		2.3 16V	WB48860042/40BBM
	98-02	●		3.0 16V	WB48860042/40BBM
	98-02		●	2.3 16 V / Freio a tambor	WH20057BB
	98-02		●	3.0 24 V / Freio a tambor	WH20057BB
	98-02		●	2.3 16 V / Freio a tambor	WK00662
	98-02		●	3.0 24 V / Freio a tambor	WK00662
	98-02		●	2.0 / ABS, Freio a disco	WH20058BB
	98-02		●	2.3 / ABS, Freio a disco, 4 Furos	WH20058BB
	98-02		●	2.3 16V / ABS, Freio a disco	WH20058BB
	98-02		●	2.3 16 V / ABS, Freio a disco	WH20058BB
	98-02		●	3.0 / ABS, Freio a disco, 4 Furos	WH20058BB
Accord	98-02		●	3.0 24 V / ABS, Freio a tambor	WH20058BB
	98-02		●	2.3 16V / Freio a disco	WH20058BB
	98-02		●	2.3 16 V / Freio a tambor	WH20058BB
	98-02		●	3.0 24 V / ABS, Freio a tambor	WK00663
	98-00		●	3.0 / ABS, Freio a disco	WH20167BB
	00-02		●	3.0 / ABS, Freio a disco	WH20167BB
	98-02		●	3.0 / ABS, Freio a disco	WK00618
	98-02		●	2.0 16V / ABS	WK00642
	98-02		●	2.2 16V / ABS	WK00642
	98-05		●	2.4 16V / 5 Parafusos	WH30084BB
	98-05		●	2.4 16V	WH30084BB
	99-02		●	2.2 16V	WK00641
City	09-	●		1.5 16V	WK00652
	09-		●	1.5 16V / Freio a disco	WH20097BB

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HONDA					
Civic	01-05		●	1.5 16V / Freio a disco / ABS	WH20055BB
	01-05		●	1.5 16V / Freio a disco	WH20055BB
	01-05		●	1.6 16V / Freio a disco / ABS	WH20056BB
	01-05		●	1.6 16V / Freio a disco	WH20087BB
	01-05		●	1.6 16V / Freio a tambor / ABS	WH20087BB
	00-06	●		1.7 16V	WB43790041/38BB
	00-06	●		1.7 16V / ABS	WB43790041/38BB
	00-06		●	1.7 16V	WH20055BB
	00-06		●	1.7 16V / Freio a disco	WH20055BB
	00-06		●	1.7 16V / ABS	WH20056BB
	00-06		●	1.7 16V / ABS, Freio a disco	WH20087BB
	06-	●		1.8 16V / ABS	WB43780044BBM
	06-	●		1.8 16V / ABS	WK00664
	06-	●		2.0 16V	WB48860042/40BBM
	06-		●	1.8 16V / ABS	WH30058BB
	06-		●	2.0 16V / ABS	WH30058BB
	06-		●	1.8 16V / ABS	WK00647
	06-		●	2.0 16V / ABS	WK00647
	91-00		●	1.5 16V / Freio a disco	WH20107BB
	91-00		●	1.6 16V / Freio a disco	WH20107BB
	91-00		●	1.6 16V / ABS, Freio a disco	WH20119BB
	91-91		●	1.6 16V / Freio a disco	WH20023BB
	91-95		●	1.6 16V / Freio a disco	WH20023BB
	92-00		●	1.6 16V / Freio a tambor	WH20107BB
	92-00		●	1.6 16V / Freio a tambor	WK00210
	92-95		●	1.5 16V / Freio a tambor	WH20107BB

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Civic	92-95		●	1.5 16V / Freio a tambor	WK00210
	92-95		●	1.5 16V / Freio a tambor	WH20119BB
	92-95		●	1.6 16V / Freio a tambor	WH20119BB
	92-95		●	1.5 16V / Freio a tambor	WK00666
	92-95		●	1.6 16V / Freio a tambor	WK00666
	94-00		●	1.5 16V	WH20119BB
	95-00		●	1.6 16V / ABS, Freio a tambor	WH20029BB
	95-97		●	1.5 16V / Freio a tambor	WH20023BB
	96-00	●		1.6 16V	WB38730040BB
	96-00	●		1.6 16V	WK00391
	96-00		●	1.5 16V / Freio a disco	WH20023BB
	96-00		●	1.5 16V / ABS	WH20029BB
	96-00		●	1.6 16V / ABS	WH20029BB
	96-00		●	1.5 16V / ABS	WK00667
	96-00		●	1.6 16V / ABS	WK00667
	97-	●		2.0 16V / ABS	WB43790041/38BB
	97-00		●	1.5 16V / ABS, Freio a tambor	WH20029BB
	-95	●		1.5 16V	WB38730040BB
	-95	●		1.6 16V	WB38730040BB
	-00	●		1.5 16V / ABS	WB43790041/38BB
-00	●		1.6 16V / ABS	WB43790041/38BB	
CR-V	02-04		●	2.4 16V	WB38730040BB
	02-04		●	2.4 16V / ABS	WB38730040BBM
	02-06	●		2.0 16V / ABS	WB45840042BB
	02-06	●		2.0 16V	WB45840042BB
	02-06		●	2.0 16V / ABS	WB45840042BB
	02-06		●	2.0 16V	WB45840042BB
	05-06		●	2.0 16V	WB38730040BB
	05-06		●	2.0 16V / ABS	WB38730040BBM
	07-	●		2.0 16V / ABS	WB51910044BBM

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CR-V	97-02		●	2.4 16V	WB45840042/40BB
	97-02		●	2.4 16V	WK00490
	97-06	●		2.0 16V	WB45840042/40BB
	97-06	●		2.0 16V	WK00490
	97-99	●		2.0 16V / ABS	WB45840042/40BBM
	99-06	●		2.0 16V / ABS	WB45840042/40BBM
	99-00		●	2.0 16V	WH20050BB
	99-01		●	2.0 16V	WK00668
	00-01		●	2.0 16V	WH20050BB
	99-00		●	2.0 16V	WH20083BB
	99-01		●	2.0 16V	WK00669
00-01		●	2.0 16V	WH20083BB	
Fit	03-07	●		1.4 16V	WB38730040BBM
	03-07	●		1.5 16V / ABS	WB38730040BBM
	03-07		●	1.4 8V / Freio a tambor	WH20146BB
	03-07		●	1.5 16V / Freio a tambor	WH20146BB
	03-07		●	1.4 8V / ABS, Freio a tambor	WH20147BB
	03-07		●	1.5 16V / ABS, Freio a tambor	WH20147BB
	08-	●		1.4 16V / ABS	WB43790041/38BBM
	08-	●		1.5 16V	WB43790041/38BBM
	08-	●		1.4 16V	WK00652
	08-	●		1.5 16V	WK00652
	08-		●	1.4 16V / ABS, Freio a tambor	WH20097BB
	08-		●	1.4 16V / ABS, Freio a tambor	WK00670
	08-		●	1.5 16V / ABS, Freio a disco	WH20097BB
	08-		●	1.5 16V / ABS, Freio a disco	WK00670
	15-	●		1.8 16V / ABS	WB51910044BBM
HYUNDAI					
Azera	06-11	●		3.3 V6 24V	WB45870041/39BB
	06-11		●	3.3 V6 24V	WH30258BB

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HYUNDAI					
Elantra	07-11		●	1.8 16V / ABS	WH30090BB
Santa Fé	07-11	●		2.4	WH30192BB
	07-11	●		2.7 V6 24V	WH30192BB
	07-11	●		3.5	WH30192BB
	07-11		●	2.4 / FWD	WH30083BB
	07-11		●	2.7 V6 24V / FWD	WH30083BB
	07-11		●	3.5 / FWD	WH30083BB
	07-11		●	2.4 / AWD	WH30192BB
	07-11		●	2.7 V6 24V / AWD	WH30192BB
	07-11		●	3.5 / AWD	WH30192BB
Atos	01-03	●		1.0 8V	WB38700037BB
	01-03		●	1.0 8V	WH20007RB
	01-03		●	1.0 8V / ABS	WK00640
	98-01	●		1.0 8V	WK00134
	98-01		●	1.0 8V	L 44649/10
	98-01		●	1.0 8V	WK00480
Azera	06-11	●		3.3 V6 24V	WK00670
	06-11		●	3.3 V6 24V	WK00672
	12-	●		3.0 V6	WB45840341/39BB
	12-	●		3.0 V6	WK00547
	12-14		●	3.0 V6	WH30258BB
	14-		●		WH302588BB
Elantra	11-	●		1.8 16V	WB42780040BB
	11-	●		2.0 16V	WB42780040BB
	11-		●	1.8 16V / ABS	WH30262BB
	11-		●	2.0 16V / ABS	WH30262BB
Galopper	92-97	●		2.5 TD	WK00293
	92-97	●		3.0 V6	WK00293
H-1	01-07	●		2.5 TD	LM 48548/10
	01-07	●		2.5 TD	WK00135
	97-02		●	2.4	WK00615
H-100	93-03	●		2.4	LM 48548/10
	93-03	●		2.5	LM 48548/10
	93-03	●		2.4	WK00135
	93-03	●		2.5	WK00135
	93-03		●	2.4	WK00615

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HYUNDAI					
H-100	93-03		●	2.5	WK00615
	-		●	2.4	U 399/U 360 L-A
	-		●	2.5	U 399/U 360 L-A
I30	09-09	●		2.0 16V	WB42780040BB
	09-12	●		2.0 16V	WB42780040BB
	09-12		●	2.0 16V	WH30090BB
	13-	●		1.6 16V	WB42780040BB
	13-	●		1.8 16V	WB42780040BB
Ix35	10-	●		2.0 16V / 4x2/4x4	WB45840341/39BB
	10-	●		2.0 16V / 4x2/4x4	WK00547
	10-		●	2.0 16V / 4x2	WB42760039RB
	10-		●	2.0 16V / 4x4	WH30258BB
Santa Fé	01-06	●		2.7 V6 24V	WB45840341/39BB
	01-06	●		2.7 V6 24V	WK00547
	01-06	●		3.5	WB45840341/39BB
	01-06	●		3.5	WK00547
	07-11	●		2.4	WK00673
	07-11	●		2.7 V6 24V	WK00673
	07-11	●		3.5	WK00673
	07-11		●	2.4 / FWD	WK00674
	07-11		●	2.7 V6 24V / FWD	WK00674
	07-11		●	3.5 / FWD	WK00674
	07-11		●	2.4 / AWD	WK00673
	07-11		●	2.7 V6 24V / AWD	WK00673
Sonata	11-14	●		2.4 16V	WB45840341/39BB
	11-14	●		2.4 16V	WK00547
	11-14		●	2.4 16V / ABS	WH30258BB
Tucson	04-	●		2.7	WB45840341/39BB
	04-	●		2.7	WK00547
	04-	●		2.0 16V	WB45840341/39BB
	04-	●		2.0 16V	WK00547
	04-		●	2.7	WH20138BB
	04-		●	2.7 / ABS Freio a disco 14"	WH20138BB
	04-		●	2.0 16V	WH20138BB
	04-		●	2.0 16V / ABS, Freio a disco 14"	WH20138BB
	04-		●	2.0 16V	WK00675

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HYUNDAI					
Veloster	11-14	●		1.6 16V / ABS	WB42780040BB
	11-14		●	1.6 1.6V	WH30262BB
Vera Cruz	07-	●		3.8 V6	WH30192BB
	07-		●	3.8 V6 / FWD	WH30083BB
	07-		●	3.8 V6 / AWD	WH30192BB

IVECO					
Daily	96-00	●		35-10/35C10 Turbodayly	WB40730055RB
	96-00	●		35-10/35C10 Turbodayly	WK00431
	00-03	●		35-10/35C10 Turbodayly	WB40730055RB
	00-03	●		35-10/35C10 Turbodayly	WB40730055RB
	96-97	●		35-12 Turbodayly	WB40730055RB
	96-97	●		35-12 Turbodayly	WK00431
	97-99	●		35-12 Turbodayly	WB40730055RB
	97-99	●		35-12 Turbodayly	WK00431
	96-97	●		49-10 Turbodayly	WB40730055RB
	96-97	●		49-10 Turbodayly	WK00431
	97-99	●		49-10 Turbodayly	WB40730055RB
	97-99	●		49-10 Turbodayly	WK00431
	96-97	●		49-12 Turbodayly	WB40730055RB
	96-97	●		49-12 Turbodayly	WK00431
	97-99	●		49-12 Turbodayly	WB40730055RB
	97-99	●		49-12 Turbodayly	WK00431
	99-00	●		35C12	WB40730055RB
	99-00	●		35C12	WK00431
	00-03	●		35C12	WB40730055RB
	00-03	●		35C12	WK00431
	99-00	●		35C13	WB40730055RB
	99-00	●		35C13	WK00431
	00-03	●		35C13	WB40730055RB
	00-03	●		35C13	WK00431
	99-00	●		40C13 Bus	WB40730055RB
	99-00	●		40C13 Bus	WK00431
	00-03	●		40C13 Bus	WB40730055RB

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IVECO					
Daily	00-03	●		40C13 Bus	WK00431
	99-00	●		50C13 / Bus	WB40730055RB
	99-00	●		50C13 / Bus	WK00431
	00-03	●		50C13 / Bus	WB40730055RB
	00-03	●		50C13 / Bus	WK00431
	99-00		●	35-10 / 35S10 TurboDaily	WK00529
	99-00		●	35-12 / 35S12 TurboDaily	WK00529
	99-00		●	35-13 / 35S13	WK00529
	00-03		●	35-10 / 35S10 TurboDaily	WK00529
	00-03		●	35-12 / 35S12 TurboDaily	WK00529
	00-03		●	35-13 / 35S13	WK00529
Daily 35-10	-		●	2.8 8V	WB55900060RB

JEEP					
Cherokee	95-96		●	2.4	U 399/U 360 L-A
	95-96		●	2.5	U 399/U 360 L-A
	95-96		●	3.1	U 399/U 360 L-A
	95-96		●	3.7	U 399/U 360 L-A
	95-96		●	4.0	U 399/U 360 L-A
Grand Cherokee	05-08		●	3.0	WH30072BB
	05-08		●	4.7	WH30072BB
	05-08		●	5.7	WH30072BB
	05-08		●	6.1	WH30072BB
	05-11	●		3.0	WH30186BB
	05-11	●		3.6 V6	WH30186BB
	05-11	●		4.7	WH30186BB
	05-11	●		5.7	WH30186BB
	05-11	●		6.1	WH30186BB
	05-08		●	3.0	WH30072BB
	05-08		●	4.7	WH30072BB
	05-08		●	5.7	WH30072BB
	05-08		●	6.1	WH30072BB
	05-11	●		3.0	WH30186BB
	05-11	●		3.6 V6	WH30186BB
	05-11	●		4.7	WH30186BB

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JEEP					
Grand Cherokee	05-11	●		5.7	WH30186BB
	05-11	●		6.1	WH30186BB
	95-96		●	4.7	U 399/U 360 L-A
	95-96		●	5.2	U 399/U 360 L-A
	95-96		●	5.7	U 399/U 360 L-A
	95-96		●	5.9	U 399/U 360 L-A
Liberty	95-96		●	2.8 V6 12V	U 399/U 360 L-A
	95-96		●	3.7 V6 12V	U 399/U 360 L-A
Wrangler	07-11	●		2.5	WH30201BB
	07-11	●		3.6 V6 12V	WH30201BB
	07-11	●		3.8 V6 12V	WH30201BB
	07-11	●		4.0 V6 12V	WH30201BB
	96-06		●	2.5 Eixo Spicer 35	U 399/U 360 L-A
	96-11		●	2.5 Eixo Spicer 44	U 399/U 360 L-A
	96-11		●	3.6 V6 12V	U 399/U 360 L-A
	96-11		●	3.8 V6 12V	U 399/U 360 L-A
	96-11		●	4.0 V6 12V	U 399/U 360 L-A
KIA					
Besta	00-06		●	3.0 GS	U 399/U 360 L-A
Cadenza	10-	●		3.5 V6	WB45840341/39BB
	10-	●		3.5 V6	WK00547
Carens	02-06	●		1.8	WB42800045BB
	02-06	●		2.0	WB42800045BB
	02-06		●	1.8 / ABS, Freio a disco	WK00580
	02-06		●	2.0 / ABS, Freio a disco	WK00580
	02-06		●	1.8 / Freio a tambor	WK00616
	02-06		●	2.0 / Freio a tambor	WK00616
Carnival	99-05	●		2.5	WB42760039RB
	99-05	●		2.9	WB42760039RB
	99-01	●		2.5	WK00437
	01-05	●		2.5	WK00437
	99-01	●		2.9	WK00437
	01-05	●		2.9	WK00437
	99-05		●	2.5	WK00474
	99-05		●	2.9	WK00474

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KIA					
Cerato	04-08	●		1.6 16V	WB39740036/34BB
	04-08	●		1.6 16V	WB39740036BB
	04-08		●	1.6 16V	WK00651
Magentis	06-10	●		2.0 16V	WB45840341/39BB
	06-10	●		2.0 16V	WK00547
Optima	12-	●		2.0 16V	WB45840341/39BB
	12-	●		2.0 16V	WK00547
	12-	●		2.4 16V	WB45840341/39BB
	12-	●		2.4 16V	WK00547
Picanto	04-10	●		1.0 12V	WB38700037BB
	04-10	●		1.1 12V	WB38700037BB
	04-10		●	1.0 12V	WH30082BB
	04-10		●	1.1 12V	WH30082BB
	04-10		●	1.0 12V / ABS	WH30215BB
	04-10		●	1.1 12V / ABS	WH30215BB
Sephia	10-		●	1.6 16V / ABS	WH30278BB
	10-		●	1.6 16V	WH30279BB
	93-01	●		1.5 16V	WB40740040BB
	93-01	●		1.6 8V	WB40740040BB
	93-93		●	1.6 8V / Freio a tambor	WH20073BB
	93-98		●	1.6 8V / Freio a tambor	WH20073BB
	93-98		●	1.6 8V / Freio a tambor	WK00549
	93-98		●	1.6 8V / ABS, Freio a disco	WK00608
	96-96		●	1.5 16V / Freio a tambor	WH20073BB
	96-01		●	1.5 16V / Freio a tambor	WH20073BB
	96-01		●	1.5 16V / Freio a tambor	WK00549
	96-01		●	1.5 16V / ABS, Freio a disco	WK00608
	Sorento	03-06	●		3.5
03-08		●		2.5	WB42760039RB
Soul	10-	●		1.6 16V	WB42780040BB
	10-		●	1.6 16V / ABS	WH30278BB
	10-		●	1.6 16V	WH30279BB

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KIA						
Sportage	05-15	●			2.0 16V	WB45840341/39BB
	05-15	●			2.7 V6	WB45840341/39BB
	04-06			●	2.0 1.6V / 4x4	WK00648
	04-06			●	2.7 24V	WK00648
	05-10			●	2.0 16V	WH20138BB
	05-10			●	2.7 V6 24V	WH20138BB
	93-02	●			2.0	JL 69349/10
	93-02	●			2.2	JL 69349/10
	93-02	●			2.0	LM 102949/10
	93-02	●			2.2	LM 102949/10
	93-02	●			2.0	WK00465
	93-02	●			2.2	WK00465
	93-02			●	2.0	WK00609
	93-02			●	2.2	WK00609
	98-02			●	2.0	WK00617
LADA						
Laika	90-95	●			1.6 8V	WK00167
Niva	90-96	●			1.6 8V	WK00136
	90-96			●	1.6 8V	62208 2RS/C3
	90-96			●	1.6 8V	WK00537
Samara	90-95	●			1.3	WB34640037BB
	90-95	●			1.5	WB34640037BB
	90-95			●	1.3	32008 X
	90-95			●	1.3	WB30600337BB
	90-95			●	1.5	32008 X
	90-95			●	1.5	WB30600337BB
	90-95			●	1.3	WK00653
	90-95			●	1.5	WK00653
LAND ROVER						
110 Defender	87-06	●			2.4	LM 603049/11
	87-06	●			2.5	LM 603049/11
	87-06	●			3.5	LM 603049/11
	87-06	●			2.4	WK00164
	87-06	●			2.5	WK00164
	87-06	●			2.5	WK00164

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LAND ROVER					
110 Defender	87-06	●		3.5	WK00164
	87-06		●	2.4	LM 603049/11
	87-06		●	2.5	LM 603049/11
	87-06		●	3.5	LM 603049/11
	87-06		●	2.4	WK00164
	87-06		●	2.5	WK00164
	87-06		●	3.5	WK00164
Discovery	92-98	●		2.5	LM 603049/11
	92-98	●		3.5	LM 603049/11
	92-98	●		2.5	WK00164
	92-98	●		3.5	WK00164
	92-98		●	2.5	LM 603049/11
	92-98		●	3.5	LM 603049/11
	92-98		●	2.5	WK00164
Evoque	11-	●		2.0	WB51960050BBM
	11-	●		2.2 SD4	WB51960050BBM
	11-		●	2.0	WB48860042/40BBM
	11-		●	2.2 SD4	WB48860042/40BBM
Freelander	02-02	●		2.5 V6 24V	WB44825037BBM
	02-05	●		2.5 V6 24V	WB44825037BBM
	02-02		●	2.5 V6 24V	WB44825037BBM
	02-05		●	2.5 V6 24V	WB44825037BBM
	98-00	●		1.8 16V	WK00503
	98-00	●		2.5 V6 24V	WK00503
	98-00	●		3.2 V6 24V	WK00503
	98-00		●	1.8 16V	WK00503
	98-00		●	2.5 V6 24V	WK00503
Range Rover	03-10	●		3.6 V8 32V	WB51960050BBM
	03-10	●		4.2 V8 32V	WB51960050BBM
	03-10	●		4.4 V8 32V	WB51960050BBM
	03-10	●		4.6 V8 32V	WB51960050BBM
	03-10		●	3.6 V8 32V	WB51960050BBM
	03-10		●	4.2 V8 32V	WB51960050BBM
	03-10		●	4.4 V8 32V	WB51960050BBM
	03-10		●	4.6 V8 32V	WB51960050BBM

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MAZDA					
626	91-97		●	2.0 16V / ABS	WH20032BB
	93-99	●		2.0 16V	WB42800045BB
	93-99		●	2.0 16V	WH20033BB
	98-02		●	2.0 16V	WH20169BB
	98-02		●	2.0 16V	WH20153BB
	98-02		●	2.0 16V / ABS	WK00557
	98-02		●	2.0 16V	WK00644
MERCEDES BENZ					
180 C	93-98	●		1.8 8V	L 68149/11
	93-98	●		1.8 8V	WK00292
	93-98		●	1.8 8V	WB45840039BB
180 D	93-96	●		2.4 Diesel	32009 X
	93-96	●		2.4 Diesel	LM 503349/10
	93-96		●	2.4 Diesel	32206
	93-96		●	2.4 Diesel	LM 503349/10
Classe A	99-05	●		1.6	WK00512
	99-05	●		1.9	WK00512
	99-05		●	1.6	WB25550043RB
	99-05		●	1.9	WB25550043RB
Sprinter	01-	●		2.2	33205
	01-	●		2.2	LM 501349/10
	01-	●		2.2	WK00366
	01-		●	2.2	WB49840048RB
	97-		●	2.2	U 497/U 460 L-C
	97-		●	2.5	U 497/U 460 L-C
	97-02	●		2.5	WK00366
	97-02		●	2.5	WB49840048RB
MINI					
Cooper	07-10		●	1.6 16V	WH30226BB
	07-10		●	1.6 16V	WK000677
	07-	●		1.6 16V	WH30284BB
	07-	●		1.6 16V	WK00080

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MITSUBISHI					
ASX	11-	●		2.0 16V / ABS	WB43800040BBM
	06-09	●		3.8 V6 24V	WH30177BB
Eclipse	09-11	●		3.8 V6 24V	WH30177BB
	06-09		●	3.8 V6 24V	WH30061BB
	09-11		●	3.8 V6 24V	WH30061BB
	90-94		●	2.0 16V	WH20008BB
	90-94		●	2.0 16V	WK00678
	91-95	●		2.0	WB40800036/34BB
	95-05	●		2.0 16V	WH30138BB
	95-05	●		3.0 V6 24V	WH30138BB
	95-05		●	2.0 16V	WH20008BB
	95-05		●	3.0 V6 24V	WH30013BB
	Galant	92-03	●		
92-03			●	2.0	WH20139BB
92-95		●			WH20124BB
94-94			●		WH20139BB
L200	-	●		2.5 / 4x4	LM 102949/10
	-	●		2.5 / 4x2	WK00135
	-	●		2.5 / ABS	WK00293
	-		●	2.5 / 4x2/4x4	WK00488
	-		●	2.5 / 4x2/4x4	WK00649
L300	95-99	●		2.5	LM 102949/10
	95-99	●		2.5	WK00293
	95-99		●	2.5	WK00488
Lancer	08-	●		2.0 16V / ABS	WB43800040BBM
	91-96		●	1.6 16V	WH20042BB
	92-94	●		1.6 16V	WB40740036/34BB
	92-94	●		1.8 16V	WB40740036/34BB
Outlander	07-	●		2.0 16V	WB43800040BBM
	07-	●		2.4 16V	WB43800040BBM
	07-	●		3.0 V6 24V	WB43800040BBM
	07-	●		2.0 16V	WK00679
	07-	●		2.4 16V	WK00679
	07-	●		3.0 V6 24V	WK00679
Pajero	03-15	●		2.0 16V	WB40740036BB
	06-	●		2.5	LM 102949/10

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MITSUBISHI					
Pajero	06-	●		2.5	WK00293
	06-		●	2.5	WK00289
	92-05	●		3.0	LM 102949/10
	92-05	●		3.0	WK00293
	92-05		●	3.0	WK00289
	92-06	●		2.8	LM 102949/10
	92-06	●		2.8	WK00293
	92-06		●	2.8	WK00289
	98-	●		3.5	LM 102949/10
	98-	●		3.5	WK00293
	98-		●	3.5	WK00289
99-02	●		1.8	WB40740036/34BB	

NISSAN					
Frontier	05-10		●	2.8	WH20019RB
	90-07		●	2.8	30208
	05-	●		2.5 16V / ABS, RWD, 4x2	WH30058RB
	05-	●		2.8 / ABS, RWD, 4x2	WH30058RB
	05-	●		2.5 16V / ABS, 4WD, 4x4	WH30059RB
	05-	●		2.8 / ABS, 4WD, 4x4	WH30059RB
	05-		●	2.5 16V / 4x4, Transmissão automática	WH20019RB
	05-		●	2.5 16V / Transmissão automática, 4x4	WH20019RB
Livina	09-14	●		1.6 16V	WH30239BB
	09-14	●		1.8 16V	WH30239BB
	09-14		●	1.6 16V / ABS	WH30104BB
	09-14		●	1.8 16V / ABS	WH30104BB
	11-14	●		1.6 16V / ABS	WB37720437BB
	11-14	●		1.8 16V / ABS	WB37720437BB
	11-14	●		1.6 16V	WB37720437BBMV1
	11-14	●		1.8 16V	WB37720437BBMV1
11-14		●	1.6 16V	WB25520037RB	

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NISSAN					
March	11-	●		1.6 / ABS	WB37720437BB
	11-	●		1.6 / ABS	WB37720437BBMV1
	11-		●	1.6 16V	WB25520037RB
Pathfinder	00-	●		3.5 V6 / 4x4	LM 300849/11
	00-	●		3.5 V6 / 4x4	WK00461
	05-	●		2.5 / ABS, 4x4	WH30059RB
	05-	●		4.0 V6 / ABS, 4x4	WH30059RB
	05-		●	2.5 / 4x2 / 4x4	WH30010RB
	05-		●	2.5 / 4x2 / 4x4	WK00680
	05-		●	3.5 V6 24V	WH30010RB
	05-		●	3.5 V6 24V	WK00680
	05-		●	4.0 V6 24V	WH30010RB
	05-		●	4.0 V6 24V	WK00680
	96-01	●		3.3 V6 / 4x4	LM 300849/11
	96-01	●		3.3 V6 / 4x4	WK00461
Sentra	07-13	●		1.6 16V / ABS, 4 furos	WH30207BB
	07-13	●		1.8 16V / ABS, 4 furos	WH30207BB
	07-13	●		2.0 16V / ABS, 4 furos	WH30207BB
	04-06	●		1.8 16V	WB40740036BB
	07-08		●	1.6 16V	WH30273BB
	08-10		●	1.6 16V	WH30273BB
	07-08		●	1.8 16V	WH30273BB
	08-10		●	1.8 16V	WH30273BB
	00-04		●	1.6 16V	WH20095BB
	00-04		●	1.8 16V	WH20095BB
	00-04		●	2.0 16V	WH20095BB
	04-06		●	1.6 16V	WH20095BB
	04-06		●	1.8 16V	WH20095BB
	04-06		●	2.0 16V	WH20095BB
	07-07	●		1.6 16V	WH30207BB
	07-07	●		1.8 16V	WH30207BB
	07-07	●		2.0 16V	WH30207BB
	07-	●		1.6 16V	WH30207BB
	07-	●		1.8 16V	WH30207BB
	07-	●		2.0 16V	WH30207BB
07-07		●	1.6 16V / ABS	WH30103BB	

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NISSAN					
Sentra	07-07		●	1.8 16V / ABS	WH30103BB
	07-07		●	2.0 16V / ABS	WH30103BB
	07-		●	1.6 16V / ABS	WH30103BB
	07-		●	1.8 16V / ABS	WH30103BB
	07-		●	2.0 16V / ABS	WH30103BB
	07-07		●	2.0 16V	WH30273BB
	07-		●	2.0 16V	WH30273BB
Tiida	07-13	●		1.8 16V	WH30239BB
	07-13		●	1.8 16V / ABS	WH30104BB
Versa	11-	●		1.6 16V / ABS	WB37720437BB
	11-	●		1.6 16V / ABS	WB37720437BBMV1
X-Trail	01-01	●		2.0 16V / 4x2 / 4x4	WB43760043BB
	01-10	●		2.0 16V / 4x2 / 4x4	WB43760043BB
	01-10	●		2.0 16V / 4x2 / 4x4	WK00451
	01-01	●		2.5 16V / 4x4	WB43760043BB
	01-10	●		2.5 16V / 4x4	WB43760043BB
	01-10	●		2.5 16V / 4x4	WK00451
	01-10		●	2.0 16V / 4x4	WB43790045BB
	01-10		●	2.5 16V / 4x4	WB43790045BB
	01-10		●	2.0 16V	WK00639
01-10		●	2.5 16V	WK00639	
PEUGEOT					
106	91-00	●		1.0 / 03 furos	WB35660032BB
	91-00	●		1.0 / 03 furos	WK00221
	91-96		●	1.0 / 04 furos	WB25520037RB
	91-96		●	1.0 / 04 furos	WK00189
	91-99	●		1.0 / 04 furos	WB35720033BB
	91-99	●		1.4 / 04 furos	WB35720033BB
	96-99		●	1.4 / 04 furos	WB25520037RB
	96-99		●	1.4 / 04 furos	WK00189
	99-	●		1.0 / 04 furos	WB37720033BB
	99-		●	1.4 / 04 furos	WB25520037RB
	99-		●	1.4 / 04 furos	WK00189
	99-04	●		1.0 / 04 furos	WB37720033BB
	99-04	●		1.4 / 04 furos	WB37720033BB

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PEUGEOT					
106	99-04	●		1.4 / 04 furos	WK00025
	99-04		●	1.0 / 04 furos	WB25520037RB
	99-04		●	1.0 / 04 furos	WK00189
	99-04		●	1.0 / 03 furos	WB25560032BB
	99-04		●	1.0 / 03 furos	WK00222
205	83-10	●		1.6 / ABS	WB42820036BB
	83-10	●		1.6 / ABS	WK00038
	83-87	●		1.4 / ABS	WB42820036BB
	83-87	●		1.4 / ABS	WK00038
	83-98		●	1.0	WB25520037RB
	83-98		●	1.4	WB25520037RB
	98-98	●		1.0	WB35720033BB
	98-98	●		1.0	WK00270
	98-98		●	1.0 8V / ABS	WB25520037RB
	98-98		●	1.4 / ABS	WB25520037RB
	98-98		●	1.0 8V / ABS	WK00055
	98-98		●	1.4 / ABS	WK00055
	-98	●		1.4	WB35720033BB
-98	●		1.4	WK00270	
206	05-10	●		1.4	WB37720033BB
	05-10	●		1.4	WK00025
	05-10	●		1.4 / ABS	WB42820036BB
	05-10	●		1.4 / ABS	WK00038
	05-10		●	1.4	WB25520037RB
	05-10		●	1.4	WK00189
	07-10	●		1.6	WB37720033BB
	07-10	●		1.6	WK00025
	07-10		●	1.6	WB25520037RB
	07-10		●	1.6	WK00189
	00-10	●		1.6 / ABS	WB42820036BB
	00-10	●		1.6 / ABS	WK00038
	01-	●		1.0	WB37720033BB
	01-	●		1.0	WK00025
	01-	●		1.0 / ABS	WB42820036BB
	01-	●		1.0 / ABS	WK00038
	01-		●	1.0 / Freio a tambor	WB25520037RB
	01-		●	1.0 / Freio a tambor	WK00189

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207	08-14	●		1.4 8 V / ABS	WB42820336BBM
	08-14	●		1.6 16V	WB42820336BBM
	08-14		●	1.4 8V	WB30620048RB
	08-14		●	1.6 16V	WB30620048RB
	08-	●		1.4 / ABS	WB37720033BBM
	08-	●		1.4 / ABS	WK00025
	08-	●		1.6 16V / ABS	WB37720033BBM
	08-	●		1.6 16V / ABS	WK00025
	08-	●		1.4 / ABS	WB42820336BBM
	08-	●		1.6 16V / ABS	WB42820336BBM
208	13-		●	1.5 16V / Freio a tambor	WB25520042RB
	97-01	●		1.6	WB35720033BB
	97-01	●		1.6	WK00270
306	94-		●	1.6 / Freio a tambor	WK00611
	94-01	●		1.6	WB37720033BB
	94-01	●		1.6	WK00025
	94-98		●	1.6 / ABS, Freio a disco	WB25520037RB
	94-98		●	1.6 / Freio a tambor	WB25520037RB
	94-98		●	1.6 / Freio a tambor	WK00189
	94-98		●	1.8 / ABS, Freio a disco	WB25520037RB
	94-98		●	1.8 / ABS, Freio a disco	WK00189
	94-98		●	1.8 / Freio a tambor	WB25520037RB
	94-98		●	2.0 / ABS, Freio a disco	WB25520037RB
	94-98		●	2.0 / ABS, Freio a disco	WK00189
	94-98		●	2.0 / Freio a tambor	WB25520037RB
	94-98		●	1.6 / ABS, Freio a disco	WK00055
	94-98		●	1.6 / Freio a tambor	WK00055
	94-98		●	1.8 / ABS, Freio a disco	WK00055
	94-98		●	1.8 / Freio a tambor	WK00055
	94-98		●	2.0 / ABS, Freio a disco	WK00055

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PEUGEOT					
306	94-98		●	2.0 / Freio a tambor	WK00055
	94-98		●	1.8 / Freio a tambor	WK00611
	94-98		●	2.0 / Freio a tambor	WK00611
	97-01	●		1.6	WB42820036BB
	97-01	●		1.6	WK00038
	97-01	●		1.8	WB42820036BB
	97-01	●		1.8	WK00038
	97-01	●		2.0	WB42820036BB
	97-01	●		2.0	WK00038
	98-01		●	1.6 / Freio a tambor	WB25520037RB
	98-01		●	1.6 / Freio a tambor	WK00189
	98-01		●	1.8 / Freio a tambor	WB25520037RB
	98-01		●	1.8 / Freio a tambor	WK00189
	98-01		●	2.0 / Freio a tambor	WB25520037RB
	98-01		●	2.0 / Freio a tambor	WK00189
	98-01		●	1.6 / ABS, Freio a tambor	WK00055
	98-01		●	1.8	WK00055
	98-01		●	2.0	WK00055
	98-01		●	1.6 / ABS, Freio a tambor	WK00392
	98-01		●	1.8	WK00392
	98-01		●	2.0	WK00392
	98-04		●	1.6 / Freio a disco	WK00055
	98-04		●	1.6 / Freio a disco	WH20174BB
	98-04		●	1.8 / Freio a disco	WK00055
	98-04		●	1.8 / Freio a disco	WH20174BB
	98-04		●	2.0 / Freio a disco	WK00055
	98-04		●	2.0 / Freio a disco	WH20174BB
	307	02-13	●		1.6 16V
02-13		●		1.6 16V	WK00432
02-13		●		2.0 16V	WB42820336BBM
02-13		●		2.0 16V	WK00432
02-11			●	1.6 16V / D 60 mm	WB25600045RB
02-11			●	1.6 16V / D 60 mm	WB25600045RB
02-11			●	2.0 16V / D 60 mm	WB25600045RB
02-11			●	2.0 16V / D 60 mm	WB25600045RB

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307	02-11		●	1.6 16V / D 62 mm	WB30620048RB
	02-11		●	2.0 16V / D 62 mm	WB30620048RB
	02-11		●	1.6 16V / ABS	WK00060
	02-11		●	1.6 16V	WK00060
	02-11		●	2.0 16V / ABS	WK00060
	02-11		●	2.0 16V / ABS	WK00111
308	10-	●		1.6 16V	WB42820336BBM
	10-	●		2.0 16V	WB42820336BBM
	10-		●	1.6 16V	WB30620051RB
	10-		●	2.0 16V	WB30620051RB
	12-	●		1.6 16V	WB42820336BBM
	12-	●		2.0 16V	WB42820336BBM
405	87-96	●		1.6	WB42820036BB
	87-96	●		1.8	WB42820036BB
	87-96	●		2.0	WB42820036BB
	99-99	●		1.6 / ABS, 29 dentes	WB37720033BB
	99-99	●		1.8 / ABS, 29 dentes	WB37720033BB
	99-99	●		2.0 / ABS, 29 dentes	WB37720033BB
	99-99	●		1.6 / ABS, 29 dentes	WK00025
	99-99	●		1.8 / ABS, 29 dentes	WK00025
	99-99	●		1.6 / ABS, 29 dentes	WK00053
	99-99	●		1.8 / ABS, 29 dentes	WK00053
	99-99	●		2.0 / ABS, 29 dentes	WK00053
	99-99		●	1.6 / ABS	WH20004BB
	99-99		●	1.6 / ABS	WK00251
	99-99		●	1.8 / ABS	WH20004BB
	99-99		●	1.8 / ABS	WK00251
	99-99		●	2.0 / 4x2	WH20004BB
99-99		●	2.0 / 4x2	WK00251	
406	97-03	●		2.0 16V	WB42820036BB
	97-03	●		2.0 16V	WK00038
	97-03	●		3.0 V6 24V	WB42820036BB
	97-03	●		3.0 V6 24V	WK00038
	97-03		●	2.0 16V / ABS, 29 dentes	WB37720033BB
	97-03		●	3.0 V6 24V / ABS, 29 dentes	WB37720033BB

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PEUGEOT					
406	97-03		●	2.0 16V / ABS, 48 dentes	WH20143BB
	97-03		●	2.0 16V / ABS, 48 dentes	WK00053
	97-03		●	3.0 V6 24V / ABS, 48 dentes	WH20143BB
	97-03		●	3.0 V6 24V / ABS, 48 dentes	WK00053
	97-03		●	2.0 16V	WH20163BB
	97-03		●	2.0 16V	WK00054
	97-03		●	2.0 V6 24V	WH20163BB
	97-03		●	2.0 16V / ABS, 29 dentes	WK00053
	97-03		●	3.0 V6 24V / ABS, 29 dentes	WK00053
407	05-	●		2.0 16V / ABS	WB45830044BBM
	05-	●		3.0 V6 24V / ABS	WB45830044BBM
	05-		●	2.0 16V	WK00614
	05-		●	3.0 V6 24V	WK00614
504	89-89	●		2.3 Diesel	WK00153
607	04-	●		3.0 V6 24V / ABS	WB45830044BBM
	04-		●	3.0 V6 24V	WK00066
2008	15-	●		1.6 16V / ABS, D 72 mm	WB37720033BBM
	15-	●		1.6 16V / ABS, D 72 mm	WK00025
	15-	●		1.6 16V	WB42820336BBM
	15-	●		1.6 16V / ABS	WB42820336BBM
	15-		●	1.6 16V / ABS, D 62 mm	WB30620048RB
3008	10-	●		1.6 16V	WB42820336BBM
	17-		●	1.6 16V	WK00650
Boxer	09-		●	2.3 D	WB42750060RB
	99-09	●		2.8 D / 1800 Kg	WB55900060RB
	99-09	●		2.8 D / 1800 Kg	WK00443
	99-09	●		2.8 D / 800/1000/1400 Kg	WK00459
	99-09		●	2.8 D	WB42750060RB
DS3	12-16	●		1.6 16V / ABS, D 82 mm	WB42820336BBM

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DS3	12-16	●		1.6 16V / ABS, D 82 mm	WK00039
Hoggar	10-	●		1.4 8V	WB37720033BB
	10-	●		1.4 8V	WK00025
	10-	●		1.6 16V	WB37720033BB
	10-	●		1.6 16V	WK00025
	10-	●		1.4 8V / ABS	WB42820036BB
	10-	●		1.4 8V / ABS	WK00038
	10-	●		1.6 16V / ABS	WB42820036BB
	10-	●		1.6 16V / ABS	WK00038
Partner	96-04		●	1.6 16V / ABS, 48 dentes	WH20143BB
	96-04		●	1.6 16V / ABS, 48 dentes	WK00606
	96-10	●		1.6	WB42820036BB
	96-10	●		1.6	WK00038
	96-10	●		1.8	WB42820036BB
	96-10	●		1.8	WK00038
	96-99		●	1.8	WH20163BB
	96-99		●	1.8 / ABS	WK00061
RCZ	11-	●		1.6 16V / ABS	WB45830044BBM
	11-		●	1.6 16V	WK00614
PORSCHE					
Carrera	04-06	●		5.7 V10	WB51960050BBM
	04-06		●	5.7 V10	WB51960050BBM
Cayenne	02-11	●		3.0 S	WB51960050BBM
	02-11	●		3.0 S	WK00486
	02-11	●		3.2 V6 24V	WB51960050BBM
	02-11	●		3.2 V6 24V	WK00486
	02-11	●		3.6 V6 24V	WB51960050BBM
	02-11	●		3.6 V6 24V	WK00486
	02-11	●		3.8 S	WB51960050BBM
	02-11	●		3.8 S	WK00486
	02-11	●		4.5 V8 32V	WB51960050BBM
	02-11	●		4.5 V8 32V	WK00486
	02-11	●		4.8 V8 32V	WB51960050BBM

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Cayenne	02-11	●		4.8 V8 32V	WK00486
	02-11		●	3.0 S	WB51960050BBM
	02-11		●	3.0 S	WK00486
	02-11		●	3.2 V6 24V	WB51960050BBM
	02-11		●	3.2 V6 24V	WK00486
	02-11		●	3.6 V6 24V	WB51960050BBM
	02-11		●	3.6 V6 24V	WK00486
	02-11		●	3.8 S	WB51960050BBM
	02-11		●	3.8 S	WK00486
	02-11		●	4.5 V8 32V	WB51960050BBM
	02-11		●	4.5 V8 32V	WK00486
	02-11		●	4.8 V8 32V	WB51960050BBM
02-11		●	4.8 V8 32V	WK00486	

RENAULT

Captur	17-	●		2.0 16V	WB30620048RB
	17-	●		1.6 16V / ABS	WK00638
	17-	●		2.0 16V / ABS	WK00638
	17-		●	1.6 16V	WB30620048RB
Clio	14-16	●		1.0 16V / ABS	WB37720437BBMV1
	14-16	●		1.6 16V / ABS	WB37720437BBMV1
	96-	●		1.0 8/16V	WB35650035BB
	96-	●		1.0 8/16V	WK00295
	96-	●		1.6 8/16V	WB37720037BB
	96-	●		1.6 8/16V	WK00262
	96-		●	1.0 8/16V / ABS	WB25520037RB
	96-		●	1.0 8/16V	WB25520037RB
	96-		●	1.0 8/16V	WK00296
	96-		●	1.6 8/16V / ABS	WK00296
	96-		●	1.6 8/16V	WB25520037RB
Duster	11-	●		1.6 16V	WB42800039BBM
	11-	●		2.0 16V	WB42800039BBM
	11-		●	1.6 16V	WB30620048RB
	11-		●	2.0 16V	WB30620048RB
	11-		●	2.0 16V	WB42770039BBM

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Fluence	11-17	●		2.0 16V	WB42800039BBM
Kangoo	01-07		●	1.6 8/16V / ABS, Freio a tambor, 26 dentes	WH20140BB
	99-	●		1.0 8/16V	WB37720037BB
	99-	●		1.6 8/16V	WB37720037BB
	99-	●		1.6 8/16V	WK00262
	99-07		●	1.6 8/16V / Freio a tambor	WB25550043RB
	99-12	●		1.0 8/16V	WB37720037BB
Laguna	93-01		●	2.0 8/16V / Freio a tambor	WB25550043RB
	95-01	●		2.0 8/16V / Geração Modelo 1	WB37720037BB
	95-01	●		2.0 8/16V	WB37720037BB
	95-01		●	2.0 8/16V	WK00338
	95-01		●	2.0 8/16V	WK00610
	96-01		●	3.0 V6 24V	WK00338
	96-01		●	3.0 V6 24V	WK00610
	97-01	●		2.0 16V	WB40840539/40BBM
	97-01	●		2.0 8/16V	WK00035
97-01	●		3.0 V6 24V	WK00035	
Logan	07-	●		1.0 16V	WB37720037BB
	07-	●		1.0 16V	WK00262
	07-	●		1.6 8/16V	WB37720037BB
	07-	●		1.6 8/16V	WK00262
	07-	●		1.0 16V / ABS	WB37720437BB
	07-	●		1.6 16V / ABS	WB37720437BB
	07-	●		1.0 16V / ABS	WB37720437BBMV1
	07-	●		1.6 16V / ABS	WB37720437BBMV1
	07-		●	1.0 16V	WB25520037RB
	07-		●	1.0 16V	WK00296
	07-		●	1.6 8/16V	WB25520037RB
	07-		●	1.6 8/16V	WK00296
	13-		●	1.0 16V / Freio a disco, D 62 mm	WB30620048RB
	13-		●	1.6 16V / Freio a tambor, D 62 mm	WB30620048RB

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RENAULT					
Logan	13-		●	1.0 16V / Freio a disco, D 55 mm	WK00635
	13-		●	1.6 16V / Freio a disco, D 55 mm	WK00635
Master	03-12	●		2.8	WB49840048RB
	03-12	●		2.8	WK00381
	03-12		●	2.8	WB45800048RB
	03-	●		2.5 dCi	WB49840048RB
	03-	●		2.5 dCi	WK00381
	03-		●	2.5 dCi / Freio a disco	WB45800048RB
	03-		●	2.5	WB45800060RB
	11-	●		2.3	WB55900054RBM
	11-	●		2.5	WB55900054RBM
	11-		●	2.3	WB45800060RB
Megane	02-10	●		1.6 16V / ABS	WB37720437BB
	02-10	●		2.0 16V / ABS	WB37720437BB
	02-10	●		1.6 16V / ABS	WB37720437BBMV1
	02-10	●		2.0 16V / ABS	WB37720437BBMV1
	02-10		●	1.6 16V / ABS	WB25550045RB
	02-10		●	2.0 16V / ABS / Mot.F4R770, 77	WB25550045RB
	97-04	●		2.0 16V	WB37720037BB
	97-04	●		2.0 16V	WK00262
	97-08	●		1.6 16V	WB37720037BB
	97-98	●		1.6 16V	WK00035
	97-98	●		2.0 16V	WK00035
	99-04		●	1.6 16V / Freio a disco	WB25520037RB
	99-04		●	2.0 16V	WB25520037RB
Oroch	15-	●		1.6 16V	WB42800039BBM
	15-	●		2.0 16V	WB42800039BBM
	15-		●	1.6 16V	WB30620048RB
	15-		●	2.0 16V	WB30620048RB
	15-		●	2.0 16V / 4x4	WB42770039BBM
R19	95-95	●		1.6 8/16V	WB37720037BB
	95-95	●		1.8 8/16V	WB37720037BB
	95-95	●		1.8 8/16V	WK00262

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RENAULT					
R19	98-98		●	1.6 8/16V / Freio a tambor	WB25520037RB
	98-98		●	1.6 8/16V / Freio a tambor	WK00296
	98-98		●	1.6 8/16V / ABS, Freio a disco	WB25520037RB
	98-98		●	1.8 8/16V / Freio a tambor	WB25520037RB
	98-98		●	1.8 8/16V / Freio a tambor	WK00296
	98-98		●	1.8 8/16V / ABS, Freio a disco	WB25520037RB
R21	92-94	●		2.0	WH20003BB
	92-94	●		2.2	WH20003BB
	92-94		●	2.0 / ABS	WK00263
	92-94		●	2.2 / ABS	WK00263
	92-94		●	2.0	WK00352
	92-94		●	2.2	WK00352
Sandero	14-		●	1.0 16V / Freio a tambor, D 62 mm	WB30620048RB
	14-		●	1.6 16V / Freio a tambor, D 62 mm	WB30620048RB
	14-		●	1.0 16V / Freio a disco, D 55 mm	WK00635
	14-		●	1.6 16V / Freio a disco, D 55 mm	WK00635
Scenic	98-10	●		1.6 16V	WB37720037BB
	98-10	●		1.6 16V	WK00262
	98-10	●		2.0 8/16V	WB37720037BB
	98-10	●		2.0 8/16V	WK00262
	98-10		●	1.6 16V / Freio a disco	WB25620048RB
	98-10		●	2.0 16V	WB25620048RB
	98-10		●	1.6 16V / Freio a disco	WK00681
	98-10		●	2.0 16V	WK00681
	98-10		●	1.6 16V / ABS, Freio a tambor	WK00341
	98-10		●	2.0 8V / ABS	WK00341
	98-10		●	1.6 16V / Freio a tambor	WK00352
	98-10		●	2.0 8V	WK00352

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RENAULT					
Trafic	00-02	●		2.0	WB42840039BB
	00-02	●		2.0	WB42840339BB
	97-99	●		2.2	WB42840039BB
	97-99	●		2.2	WB42840339BB
Twingo	93-99	●		1.2	WB35650035BB
	93-99	●		1.2	WK00295
	93-99		●	1.2	WB25520037RB
	93-99		●	1.2	WK00296
	98-02	●		1.0	WB35650035BB
	98-02	●		1.0	WK00295
	98-02		●	1.0	WB25520037RB
	98-02		●	1.0	WK00296
SEAT					
Cordoba	93-01	●		1.6 8V	WB40720037BB
	93-01	●		1.8 8V	WB40720037BB
	96-99		●	1.6 8V	WK00112
	96-99		●	1.8 8V	WK00112
SMART					
Fortwo	07-10		●	1.0 12V	WK00633
	00-04		●	1.0 12V	WK00632
SUBARU					
Forester	97-07	●		2.0 16V / 4x4	WB42720038/35RB
	97-07		●	2.0 16V / 4x4	WB38650052/48RB
	98-08		●	2.0 16V / AWD	WB38650052/48RB
	98-08		●	2.5 16V	WB38650052/48RB
Grand Vitara	01-09	●		1.6 / ABS	WH20130BB
	01-09	●		2.0 / ABS	WH20130BB
	01-09	●		1.6	WK00645
	01-09	●		2.0	WK00645
	98-00	●		1.6 16V	WB41680040/35RB
	98-00	●		2.0 16V	WB41680040/35RB
	98-09	●		2.5 24V	WB41680040/35RB
	98-09		●	1.6 16V	WB40800023/18BB

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SUBARU						
Grand Vitara	98-09			●	1.6 16V / ABS	WB40800023/18BB
	98-09			●	2.0 16V	WB40800023/18BB
	98-09			●	2.0 16V / ABS	WB40800023/18BB
	98-09			●	2.5 24V	WB40800023/18BB
	98-09			●	2.5 24V / ABS	WB40800023/18BB
Imprenza	08-09	●			1.5 16V	WH30178BB
	00-07	●			2.5	WB42720038/35RB
	00-07			●	2.5 16V	WB38650052/48RB
	08-	●			2.0 16V / 4x4	WH30178BB
	08-	●			2.5 16V	WH30178BB
	93-00	●			1.6	WB42720038/35RB
	93-00	●			1.8	WB42720038/35RB
	93-00			●	1.6 / 4x4	WB38650052/48RB
	93-00			●	1.8 / 4x4	WB38650052/48RB
	93-00			●	1.6	WH20024BB
	93-00			●	1.6 / ABS	WH20024BB
	93-00			●	1.8	WH20024BB
	93-00			●	1.8 / ABS	WH20024BB
	93-03			●	1.6 / AWD	WB38650052/48RB
	93-03			●	1.8 / AWD	WB38650052/48RB
	93-03			●	1.6 / AWD	WK00481
	93-03			●	1.8 / AWD	WK00481
	94-00			●	2.0	WH20024BB
	94-00			●	2.0 / ABS	WH20024BB
	94-03			●	2.0 / AWD	WB38650052/48RB
	94-03			●	2.0 / AWD	WK00481
	94-05			●	2.0 / 4x4	WB38650052/48RB
	94-07	●				2.0
Legacy	90-03	●			1.8 16V	WB42720038/35RB
	90-03	●			2.0 16V	WB42720038/35RB
	90-03	●			2.2 16V	WB42720038/35RB
	90-03	●			2.5 16V	WB42720038/35RB
	90-03			●	1.8 16V	WB38650052/48RB
	90-03			●	2.0 16V	WB38650052/48RB
	90-03			●	2.2 16V	WB38650052/48RB
	90-03			●	2.5 16V	WB38650052/48RB

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SUBARU

Outback	03-06	●		2.5 16V / 4x4	WH30178BB
	03-03		●	2.5 16V / 4x4	WH30243BB
	03-06		●	2.5 16V / 4x4	WH30243BB
	03-06		●	2.5 16V / 4x4	WK00646
	04-09	●		3.0 / 4x4	WH30178BB
	04-04		●	3.0 / 4x4	WH30243BB
	04-09		●	3.0 / 4x4	WH30243BB
	04-09		●	3.0 / 4x4	WK00646
	00-02		●	2.5 16V	WH20062BB
	96-03	●		2.5 16V	WB42720038/35RB
	97-99		●	2.5 16V	WB38650052/48RB

SUZUKI

Jimny	98-	●		1.3 16V	WK00482
	98-		●	1.3 16V	WB35720022/17BB
	98-		●	1.3 16V / ABS	WK00581
Samurai	91-99	●		1.3 16V	WK00173
	91-99		●	1.3 16V	WB35720022/17BB
SX4	08-12	●		2.0 16V / 4x4	WB45840039BBM
Vitara	88-96	●		1.6 8/16V	WB41680040/35RB
	88-98		●	1.6 8/16V	WB35800026/21BB
	94-98	●		2.0	WB41680040/35RB
	94-98		●	2.0	WB35800026/21BB
	99-00	●		1.6	WB41680040/35RB
	99-00	●		2.0	WB41680040/35RB
	99-00	●		1.6	WK00174
	99-00	●		2.0	WK00174

TOYOTA

Camry	00-03		●	3.0 V6 24V	WB43820045BB
	04-		●	3.0 V6 24V	WB45840045BB
	04-		●	3.5 V6 24V	WB45840045BB
	92-99	●		2.2 16V	WB43820045BB
	92-99	●		2.2 16V	WK00403
	92-99		●	2.2 16V / ABS	WH30285BB
	92-99		●	2.2 16V / ABS	WK00073

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TOYOTA						
Camry	92-96			●	2.2 16V	WK00074
	96-99			●	2.2 16V	WK00074
	93-01			●	3.0 V6 24V / ABS	WH30285BB
	93-01			●	3.0 V6 24V / ABS	WK00073
	93-99			●	3.0 V6 24V	WK00074
	99-01			●	3.0 V6 24V	WK00074
	93-03	●			3.0 V6 24V	WB43820045BB
	93-03	●			3.0 V6 24V	WK00403
Corolla	02-14	●			1.6 16V	WK00643
	02-14	●			1.8 16V	WK00643
	02-14	●			2.0 16V	WK00643
	09-14			●	1.8 16V / ABS	WH30105BB
	09-14			●	2.0 16V / ABS	WH30105BB
	06-06	●			1.6 16V / ABS	WH30193BB
	06-06	●			1.6 16V / ABS	WK00586
	07-	●			1.6 16V / ABS	WH30229BB
	02-08			●	1.6 16V	WH30231BB
	02-08			●	1.8 16V	WH30231BB
	02-08			●	1.6 16V / ABS, 4 furos	WK00619
	02-08			●	1.8 16V / ABS, 4 furos	WK00619
	03-08			●	1.6 16V / ABS, 5 furos	WH30039BB
	03-08			●	1.8 16V / ABS, 5 furos	WH30039BB
	03-08			●	1.6 16V	WH30040BB
	03-08			●	1.8 16V	WH30040BB
	93-02	●			1.6 16V	WB38720236/33BB
	93-02	●			1.6 16V / ABS	WB38720236/33BB
	93-02	●			1.8 16V	WB38720236/33BB
	93-02	●			1.8 16V / ABS	WB38720236/33BB
	93-93			●	1.6 16V	WH30007BB
	93-02			●	1.6 16V	WH30007BB
	93-02			●	1.6 16V	WK00595
	93-93			●	1.6 16V / ABS	WH30024BB
93-02			●	1.6 16V / ABS	WH30024BB	
93-93			●	1.8 16V	WH30007BB	

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TOYOTA					
Corolla	93-02		●	1.8 16V	WH30007BB
	93-02		●	1.8 16V	WK00595
	93-93		●	1.8 16V / ABS	WH30024BB
	93-02		●	1.8 16V / ABS	WH30024BB
Hilux	-	●		2.8 Diesel / Freio a disco, 4x4	LM 102949/10
	-	●		3.0 Diesel / Freio a disco, 4x4	LM 102949/10
	-		●	2.8 Diesel / Freio a disco, 4x4	6308 2RS/C3
	-		●	3.0 Diesel / Freio a disco, 4x4	6308 2RS/C3
	-		●	2.8 Diesel / Freio a disco, 4x4	WB40900023BB
	-		●	3.0 Diesel / Freio a disco, 4x4	WB40900023BB
RAV4	01-05	●		2.0 16V	WB43820045BB
	06-07	●		2.0 16V	WH30193BB
	07-09	●		2.0 16V	WH30193BB
	06-07	●		2.0 16V	WK00586
	07-09	●		2.0 16V	WK00586
	06-09	●		2.0 16V	WH30194BB
	06-09	●		2.0 16V	WK00586
	94-00	●		2.0 16V	WB38740236/33BB
	94-00	●		2.0 16V / ABS	WK00526
	94-00		●	2.0 16V	WH20026BB
TROLLER					
T4	01-08	●		2.8	LM 102949/10
	01-08		●	2.8	LM 102949/10
	05-11	●		3.0	LM 102949/10
	05-11		●	3.0	LM 102949/10
	99-01	●		2.0	LM 102949/10
	99-01		●	2.0	LM 102949/10
VOLKSWAGEN					
Amarok	10-15	●		2.0 16V	WB49880048BBM
	10-15		●	2.0 16V	WB46780057RB

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VOLKSWAGEN					
Apollo	90-92	●		1.8 8V	JL 68145/11 Z
	90-92		●	1.8 8V	WK00622
Bora	00-11	●		2.0 8V	WB40740040BB
	00-11	●		2.0 8V	WK00031
	00-11		●	2.0 8V	WH20164BB
	00-11		●	2.0 8V	WK00044
CrossFox	05-	●		1.6 8V	WB39720037BB
	05-		●	1.6 8V	WB39720037BB
EOS	08-	●		2.0 Fsi / ABS	WH30191BB
	08-	●		2.0 Fsi / ABS	WK00079
	08-		●	2.0 Fsi	WK00045
Fox	03-07		●	1.0 8V	WB39720037BB
	03-07		●	1.6 8V	WB39720037BB
	07-10		●	1.0 8V	WK00112
	07-10		●	1.6 8V	WK00112
	03-	●		1.0 8V	WB39720037BB
	03-	●		1.6 8V	WB39720037BB
	10-		●	1.0 8V	WB39720037BB
	10-		●	1.6 8V	WB39720037BB
Gol	80-12		●	1.6 8V Exceto G5 e G6	WK00112
	80-82	●		1.3 8V	WB39680037BB
	80-82		●	1.3 8V	WK00112
	80-94	●		1.6	WB39680037BB
	84-09		●	1.8 8V	WK00112
	84-94	●		1.8 8V	WB39680037BB
	88-02		●	2.0 8V	WK00112
	88-94	●		2.0 8V	WB39680037BB
	91-12		●	1.0 8/16V	WK00112
	91-94	●		1.0 8V	WB39680037BB
	94-	●		1.0 8/16V	WB39720037BB
	94-	●		1.6 8V	WB39720037BB
	94-	●		1.8 8V	WB39720037BB
	94-	●		2.0 8V	WB39720037BB
Golf	06-09	●		1.8T 20V	WK00079
	06-09	●		1.8T 20V	WH30191BB
	03-10		●	1.6	WH20098BB

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VOLKSWAGEN						
	03-10		●	1.8	WH20098BB	
	03-10		●	2.0	WH20098BB	
	06-06		●	1.8 20V	WH20098BB	
	06-10		●	1.8 20V	WK00433	
	06-10		●	1.8 20V	WH20098BB	
	10-14		●	1.6	WH20098BB	
	10-		●	1.6	WK00433	
	10-14		●	2.0	WH20098BB	
	10-		●	2.0	WK00433	
	14-		●	1.6	WH20098BB	
	14-		●	2.0	WH20098BB	
Golf	94-98	●		1.8	WB40720037BB	
	94-98	●		2.0	WB40720037BB	
	94-98		●	1.8	WK00112	
	94-98		●	2.0	WK00112	
	97-05	●		1.6 8V	WB40740040BB	
	97-05	●		1.6 8V	WK00031	
	97-05	●		1.8/1.8T	WB40740040BB	
	97-05	●		1.8/1.8T	WK00031	
	97-05	●		2.0	WB40740040BB	
	97-05	●		2.0	WK00031	
	97-05		●	1.6 8V	WH20164BB	
	97-05		●	1.8/1.8T	WH20164BB	
	97-05		●	2.0	WH20164BB	
	97-05		●	2.8 VR6	WH20164BB	
	97-05		●	1.6 8V	WK00044	
	97-05		●	1.8/1.8T	WK00044	
	97-05		●	2.0	WK00044	
	97-05		●	2.8 VR6	WK00044	
	Jetta	05-	●		2.0 / ABS	WH30191BB
		05-	●		2.0 / ABS	WK00079
05-			●	2.0 / ABS	WH20175BB	
05-			●	2.0 / ABS	WK00045	
06-		●		2.5 20V / ABS	WH30191BB	
06-		●		2.5 20V / ABS	WK00079	
06-			●	2.5 20V / ABS	WH20175BB	

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VOLKSWAGEN					
Jetta	06-		●	2.5 20V / ABS	WK00045
	11-		●	2.0 16V	WH20098BB
Kombi	05-	●		1.4 8V	WK00130
	74-75	●		1.500 8V	WK00130
	76-06	●		1.600 8V	WK00130
Logus	93-97	●		1.6 8V	WB39720037BB
	93-97	●		1.8 8V	WB39720037BB
	93-97	●		2.0 8V	WB39720037BB
	93-97		●	1.6 8V	TR00001
	93-97		●	1.8 8V	TR00001
	93-97		●	2.0 8V	TR00001
New Beetle	98-04	●		2.0 8V	WB40740040BB
	98-10		●	2.0 8V	WH20164BB
	98-10		●	2.0 8V	WK00044
Parati	83-		●	1.6 8V	WK00112
	83-94	●		1.6 8V	WB39680037BB
	88-		●	1.8 8V	WK00112
	88-94	●		1.8 8V	WB39680037BB
	94-	●		1.0	WB39720037BB
	96-	●		2.0	WB39720037BB
	96-		●	2.0	WK00112
	97-		●	1.0	WK00112
Passat	01-05		●	1.8/1.8T	WH30025BB
	01-05		●	2.0	WH30025BB
	01-05		●	2.8	WH30025BB
	01-05		●	1.8/1.8T	WK00369
	01-05		●	2.0	WK00369
	01-05		●	2.8	WK00369
	06-10	●		2.0 16/24V	WK00079
	06-10	●		3.6 FSI V6 24V	WK00079
	06-10	●		2.0 16/24V	WH30191BB
	06-10	●		3.6 FSI V6 24V	WH30191BB
	06-10		●	2.0 16/24V	WK00079
	06-10		●	3.6 FSI V6 24V	WK00079
	06-10		●	2.0 16/24V	WH30191BB
	06-10		●	3.6 FSI V6 24V	WH30191BB
06-11	●		3.2 V6 24V	WK00079	

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VOLKSWAGEN					
Passat	06-11	●		3.2 V6 24V	WH30191BB
	06-11		●	3.2 V6 24V	WK00079
	06-11		●	3.2 V6 24V	WH30191BB
	00-05	●		2.0	WB39/41750037BB
	00-05	●		2.0	WK00028
	74-85	●		1.5 8V	WB39680037BB
	74-85		●	1.5 8V	WK00112
	74-89	●		1.8 8V	WB39680037BB
	74-89		●	11/94...07/97	WK00112
	75-89	●		1.6 8V	WB39680037BB
	75-89		●	1.6 8V	WK00112
	94-97	●		2.0	WB40720037BB
	94-97	●		2.8	WK00287
	94-97		●	2.0	WK00112
	94-97		●	2.8	WK00112
	96-		●	1.8/1.8T	WH30025BB
	98-	●		2.8	WB43/45820037BB
	98-		●	2.0	WH30025BB
98-		●	2.8	WH30025BB	
Pointer	93-96	●		1.8 8V / Comp. 310 mm	WB39720037BB
	93-96	●		1.0 16V / Comp. 325 mm	WB39720037BB
	93-96		●	1.8 8V	TR00001
	93-96		●	2.0 8V	TR00001
Polo	06-07	●		1.8 GTI / ABS	WK00057
	06-07		●	1.8 GTI	WB39720037BB
	02-09	●		1.6 8V / ABS, disco 239 mm	WK00577
	00-02	●		1.0 16V	WB40720037BB
	02-	●		1.6 8V / ABS, disco 288 mm	WK00057
	02-	●		2.0 8V / ABS	WK00057
	02-		●	1.0 16V	WB39720037BB
	02-		●	1.6 8V / 5 furos	WB39720037BB
	02-		●	2.0 8V	WB39720037BB
	96-02	●		1.8 8V	WB40720037BB
	96-02		●	1.0 16V	WK00112
	96-02		●	1.8 8V	WK00112

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VOLKSWAGEN					
Quantum	84-03		●	1.8 8V	WK00112
	84-94	●		1.8 8V	WB39680037BB
	87-03		●	2.0 8V	WK00112
	87-94	●		1.6 8V	WB39680037BB
	94-03	●		1.6 8V	WB39720037BB
	94-12	●		1.8 8V	WB39720037BB
Santana	84-06		●	1.8 8V	WK00112
	84-94	●		1.6 8V	WB39680037BB
	87-06		●	2.0 8V	WK00112
	94-06	●		1.8 8V	WB39720037BB
	94-12	●		1.6 8V	WB39720037BB
Saveiro	82-12		●	1.6 8V Exceto G5	WK00112
	82-94	●		1.6 8V	WB39680037BB
	83-86	●		1.3 8V	WB39680037BB
	83-86		●	1.3 8V	WK00112
	87-91	●		1.5	WB39680037BB
	87-91		●	1.5	WK00112
	89-08		●	1.8 8V	WK00112
	89-94	●		1.8 8V	WB39680037BB
	94-	●		1.6 8V	WB39720037BB
	94-	●		1.8 8V	WB39720037BB
	98-04	●		2.0 8V	WB39720037BB
SpaceFox	98-04		●	2.0 8V	WK00112
	06-	●		1.6 8V	WB39720037BB
Tiguan	06-		●	1.6 8V	WB39720037BB
	09-	●		2.0	WH30191BB
	09-	●		2.0	WK00079
	09-		●	2.0	WH20175BB
Touareg	09-		●	2.0	WK00045
	03-	●		4.2 V8	WB51960050BBM
	03-	●		4.2 V8	WK00486
	03-		●	4.2 V8	WB51960050BBM
	03-		●	4.2 V8	WK00486
	05-	●		3.2 V6 24V	WB51960050BBM
	05-	●		3.2 V6 24V	WK00486
	05-		●	3.2 V6 24V	WB51960050BBM

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VOLKSWAGEN					
Touareg	05-		●	3.2 V6 24V	WK00486
	06-	●		3.6 V6 24V	WB51960050BBM
	06-	●		3.6 V6 24V	WK00486
	06-		●	3.6 V6 24V	WB51960050BBM
	06-		●	3.6 V6 24V	WK00486
Van	98-02	●		1.6 8V	WB40720037BB
	98-02	●		1.8 8V	WB40720037BB
Variant	78-82	●		1.6 8V	WB39680037BB
Voyage	08-	●		1.0 8V	WB39720037BB
	08-		●	1.0 8V	WK00112
	81-85	●		1.5 8V	WB39680037BB
	81-85		●	1.5 8V	WK00112
	83-94	●		1.6	WB39680037BB
	86-94	●		1.8 8V	WB39680037BB
	94-	●		1.6 8V	WB39720037BB
	94-		●	1.6 8V	WK00112
	94-96	●		1.6 8V	WB39720037BB
94-96		●	1.8 8V	WK00112	

VOLVO					
C30	07-09	●		2.4	WH20176BB
	07-09	●		2.4	WK00069
	07-09		●	2.4	WH30223BB
	07-	●		2.0	WH20176BB
	07-	●		2.0	WK00069
	07-	●		2.5	WH20176BB
	07-	●		2.5	WK00069
	07-		●	2.0	WH30223BB
	07-		●	2.5	WH30223BB
S40	04-11	●		2.4	WH20176BB
	04-08	●		2.4	WK00069
	04-11	●		2.5 Turbo	WH20176BB
	04-08	●		2.5 Turbo	WK00069
	08-11	●		2.4	WK00069
	08-11	●		2.5 Turbo	WK00069
	04-11		●	2.4	WH30223BB
	04-11		●	2.5 Turbo	WH30223BB

APLICAÇÕES

						
VOLVO						
			●		2.3	WH30161BB
				●	2.3	WH30045BB
				●	2.3 / 4x4	WK00540
		●			2.4	WH30161BB
		●			2.5	WH30161BB
			●		2.4	WH30045BB
			●		2.5	WH30045BB
			●		2.4 / 4x4	WK00540
			●		2.5 / 4x4	WK00540
		●			2.0	WH30161BB
			●		2.0 / 4x4	WH30045BB
			●		2.0 / 4x4	WK00540
S60		●			1.6	WH30161BB
		●			1.6	WK00527
		●			2.0	WH30161BB
		●			2.0	WK00527
		●			2.5	WH30161BB
		●			2.5	WK00527
		●			3.0	WH30161BB
		●			3.0	WK00527
				●	1.6 / 4x4	WH30221BB
				●	2.0 / 4x4	WH30221BB
			●	3.0 / 4x4	WH30221BB	
			●	1.6	WK00630	
			●	2.0	WK00630	
			●	3.0	WK00630	
XC60		●			2.0 / AWD, FWD	WK00068
		●			2.5 / AWD, FWD	WK00068
		●			3.0 / AWD, FWD	WK00068
				●	2.0 / AWD	WH30271BB
				●	2.0 / AWD	WK00682
				●	2.5 / AWD	WH30271BB
				●	2.5 / AWD	WK00682
				●	3.0 / AWD	WH30271BB
				●	3.0 / AWD	WK00682

APLICAÇÕES

 APLICAÇÃO


 EIXO TRASEIRO

 ANO

 INFORMAÇÃO

 EIXO DIANTEIRO

 REFERÊNCIA

					
VOLVO					
XC70	01-07	●		2.4 / 4x4	WH30161BB
	01-07	●		2.5 / 4x4	WH30161BB
	03-07		●	2.4	WH30057BB
	03-07		●	2.4	WK00540
	03-07		●	2.5	WH30057BB
	03-07		●	2.5	WK00540
	03-07		●	3.2	WH30057BB
	03-07		●	3.2	WK00540
	03-08	●		2.4	WH30161BB
	03-08	●		2.4	WK00527
	03-08	●		2.5	WH30161BB
	03-08	●		2.5	WK00527
	03-08	●		3.2	WH30161BB
	03-08	●		3.2	WK00527
	07-10		●	3.2 / 4x4	WH30221BB
	08-11		●	3.2	WH30221BB
	08-11		●	3.2	WK00683
XC90	03-06	●		2.9	WH30170BB
	03-06	●		2.9	WK00684
	03-04	●		2.9 / 36 estrias	WH30170BB
	04-06	●		2.9 / 36 estrias	WH30170BB
	03-06	●		2.9 / 36 estrias	WK00684
	03-06	●		2.9 / 4WD	WK00088
	03-06	●		2.9 / 40 estrias	WK00098
	03-04		●	2.9 / 2WD	WK00064
	04-06		●	2.9 / 2WD	WK00064
	03-06		●	2.9 / 4WD	WK00087
	03-06		●	2.9 / 40 estrias	WH30286BB
	03-06		●	2.9 / 40 estrias	WK00098
	05-07	●		2.5	WH30170BB
	05-06	●		2.5 / 36 estrias	WH30170BB
	06-07	●		2.5 Turbo	WH30170BB
	05-07	●		2.5 / 36 estrias	WK00684
	05-07	●		2.5 / 36 estrias	WH30170BB
05-07	●		2.5 / 40 estrias	WH30286BB	
05-05	●		2.5 / 40 estrias	WK00098	

APLICAÇÕES

VOLVO						
		05-07	●		2.5 / 40 estrias	WK00098
		05-07		●	2.5 / 2WD	WK00064
		05-05		●	2.5 / 4WD	WK00087
		05-07		●	2.5 / 4WD	WK00087
		05-07		●	2.5 / 4WD	WK00088
		01-	●		4.4 V8 / 36 estrias	WH30170BB
		01-	●		4.4 V8 / 36 estrias	WK00684
		05-	●		4.4 V8	WH30170BB
		05-	●		4.4 V8	WK00684
		05-	●		4.4 V8 / 36 estrias	WH30170BB
		05-08	●		4.4 V8 / 4WD	WK00087
		08-	●		4.4 V8 / 4WD	WK00087
		05-08	●		4.4 V8 / 4WD	WK00088
		08-	●		4.4 V8 / 4WD	WK00088
		05-		●	4.4 V8 / 2WD	WK00064
		05-		●	4.4 V8 / 40 estrias	WH30286BB
		05-08		●	4.4 V8 / 40 estrias	WK00098
		08-		●	4.4 V8 / 40 estrias	WK00098
		08-08	●		3.2	WH30170BB
		08-	●		3.2	WH30170BB
		08-	●		3.2	WK00684
		08-08	●		3.2 / 36 estrias	WH30170BB
		08-	●		3.2 / 36 estrias	WH30170BB
		08-08	●		3.2 / 36 estrias	WK00684
		08-	●		3.2 / 36 Estrias	WK00684
		08-	●		3.2 / 40 Estrias	WK00098
		08-08		●	3.2 / 2WD	WK00064
		08-		●	3.2 / 2WD	WK00064
		08-		●	3.2 / 4WD	WK00087
		08-		●	3.2 / 40 Estrias	WH30286BB
		08-		●	3.2 / 40 Estrias	WK00098
XC90						

APLICAÇÕES

APLICAÇÃO

EIXO TRASEIRO

ANO

INFORMAÇÃO

EIXO DIANTEIRO

REFERÊNCIA

REFERÊNCIA
ORIGINAL



OEM



REFERÊNCIA



ALFA ROMEO	
543954	WB42750037BB
60510366	WB42800237BB
60815882	WB42800237BB
71714476	WH20166BB
71714477	WH20166BB
290062240	32206
3341130917	WB42750037BB
116002141300	L 44649/10
119001721101	LM 603049/11
119002141301	LM 67048/10
1056417211E	LM 501349/10

AUDI	
5404123	LM 603049/11
8311123	LM 48548/10
10409607	LM 67048/10
16409123	LM 501349/10
019409123	32008 X
311405615	L 44649/10
331598625	WB39680037BB
431707625	WB42750037BB
113517158B	LM 300849/11
1J0498625	WB40740040BB
1J0598625	WB40740040BB
1T0498621	WK00079
1T0598611B	WK00045
321498625A	WB39680037BB
321498625C	WB39680037BB
321498625D	WB39680037BB
321498625E	WB39680037BB
3C0498621	WK00079
431407625A	WB42750037BB
441407625A	WB43/45820037BB
4B0498625	WB39/41750037BB
4E0498625B	WK00070
4E0598625	WK00070
4F0598611B	WH30222BB
4F0598625A	WK00070
4H0498625	WH20136BB

AUDI	
4H98625A	WH20136BB
6Q04762AD	WK00057
7L0498287	WB51960050BBM
8D0498625	WB39/41750037BB
8D0498625B	WB43/45820037BB
8D0498625C	WH20096BB
8E049625A	WH20096BB
8E0498625A	WH20096BB
8E0498625B	WH20096BB
8E0501611J	WH30025BB
8E051611J	WH30025BB
8E0598625	WB43/45820037BB
8E0598625B	WH20096BB
8J0 598 625	WK00079
8J0598625	WK00079
8K0598625	WH20136BB
1J0598477	WK00044
1J0598625	WB40740040BB

BMW	
2634105	L 44649/10
2634106	LM 67048/10
6757024	WH20122BB
9985005	30203
3341112435	WB39720037BB
3341124358	WB39720037BB
31203450600	WB49900545BBE
31206779735	WH30224BB
31206783747	WH30276BB
31206795959	WH30224BB
31211139345	WH20122BB
31211468926	WH20122BB
31212226904	WH20168BB
31216765157	WH30191BB
31222229501	WH20170BB
31226750217	WH30270BB
31226751978	WB49900545BBE
31226757024	WH20122BB
31226757024	WH20168BB

BMW	
31226765601	WH30172BB
31226783913	WB49900545BBE
33131205124	LM 501349/10
33206795960	WH30276BB
33411080505	WB45850441BBE
33411090505	WB45850441BBE
33411095238	WH20079BB
33411123415	WB37740045BB
33411130617	WB42750037BB
33411137685	WB45850441BBE
33411468753	WH20122BB
33411468904	WB45850441BBE
33411684904	WB45850441BBE
33416762314	WH20079BB
33416762317	WB42750037BB
33416762321	WB45850441BBM
33416770974	WH20171BB
33416775842	WB45850441BBM
33416795961	WH20171BB

CHEVROLET	
272871	WB38740236/33BB
1413166	WH30173BB
1603209	WK00083
1603210	WK00084
1603211	WH30217BB
1604003	WH30216BB
1604005	WK00085
1604302	WH30216BB
1604303	WK00081
1604306	WH30216BB
7470607	WH30130BB
7470608	WH30130BB
9057576	WK00085
9117619	WK00082
9117620	WK00083
9117622	WH30217BB
9156621	WK00081
9422481	387A/2A



CHEVROLET	
9428908	LM 104949/11
9436775	LM 102949/10
11055119	LM 67048/10
11243046	WH30130BB
12413045	WH30130BB
12413083	WH30173BB
12413274	WH30173BB
12523216	32008 X
13123485	WK00082
13500488	WB40780240BBM
13500592	WH30259BB
13502872	WH30234BB
13583478	WH30227BB
13592067	WB40780240BBM
15793213	WH30173BB
26051816	LM 501349/14
90486467	WH20128BB
90510629	WH30216BB
90538939	WK00082
90538941	WH30217BB
90538941	WK00084
90540262	WK00081
93362342	WB34670037BB
94515438	WB25520037RB
94535982	WB39740036/34BB
926328030	WH20130BB
331459C	U 399/U 360 L-A

CHRYSLER	
1615339	LM 67048/10
2881026	U 399/U 360 L-A
3683975	L 68149/11
3744923	M 12649/10
4509766	WH20051BB
4509767	WH20051BB
4626727	LM 603049/11
4641120	WB40760033BB
4683514	WH30018BB
4721515	WH30018BB



CHRYSLER	
05154262AA	WH30272BB
4668442AA	WB42760033BB
4683669AB	WH30022BB
4683869AA	WH30022BB
4721010AA	WH30206BB
4721010AB	WH30206BB
4721010AC	WH30206BB
4721515AB	WH30021BB
4721515AD	WH30021BB
4779199AA	WH20135BB
4779218AB	WH30180BB
4779328AA	WH30180BB
5073537AA	WH30063RB
5103883AA	WB49840048RB
5105586AA	WB43800040BBM
5105587AA	WB43800040BBM
5154262AA	WH30272BB
52060398AC	WH30201BB
52069879AA	WH30063RB
52111884AA	WH30072BB
5242447AA	WB42760039RB
MB092749	LM 102949/10
MB663664	WH20008BB
MB844919	WH20042BB
MB864929	WH30013BB
MB892407	WH30013BB
MB892408	WH30013BB
MB911498	WH20042BB
MB949047	WH30138BB
MR103664	WH30138BB
MR242114	WH30013BB
MR272113	WH30013BB
MR369521	WH30138BB
MR455808	WH30013BB
YR25	L 44649/10

CITROEN	
95030243	WB25560032BB
95469252	WB42820036BB



CITROEN	
95496146	WH20004BB
95496453	WB25520037RB
95603182	WB35660032BB
95608940	WB25520037RB
95619160	WB42820036BB
95654077	WB25560032BB
95654078	WB25520037RB
1606374680	WB55900054RBM
1606375080	WB49840048RB
1607704180	WB45830044BBM
9558882680	WH20004BB
3248.87	WK00066
3307.56	WB42820036BB
3326.35	WB42820036BB
3326.62	WB49840048RB
3326.63	WB55900060RB
3326.64	WK00092
3326.69	WB55900060RB
3326.71	WB55900054RBM
3326.74	WB43800040BBM
3350.17	WB35720033BB
3350.18	WB35660032BB
3350.19	WB25560032BB
3350.27	WB44825037BB
3350.28	WK00052
3350.32	WB37720033BB
3350.69	WB42820336BBM
3350.72	WB37720033BBM
3350.82	WB45830044BBM
3350.84	WB42820336BBM
3350.86	WB37720033BBM
3350.92	WB37720033BBM
3701.42	WH20004BB
3701.61	WK00052
3701.64	WH20163BB
3726.64	WK00092
3730.32	WB42750060RB
3734.82	WK00066
3735.15	32006 X

REFERÊNCIA
ORIGINAL

CITROEN	
3748.17	WB25520037RB
3748.20	WH20163BB
3748.32	WK00055
3748.36	WK00061
3748.38	WK00055
3748.42	WB25560032BB
3748.43	WH20163BB
3748.44	WK00061
3748.68	WH20143BB
3748.70	WH20158BB
3748.74	WK00060
3748.76	WK00092
3748.79	WK00092
3748.83	WB25600045RB
3748.87	WK00066
3748.90	WB30620048RB
3748.94	WB30620051RB
3748.A1	WB25520042RB
ZF04470124	32006 X

RENAULT	
6001543344	WB35650035BB
6001547696	WB37720037BB
6001548986	WB25520037RB
6001550915	WB37720437BBMV1
6010547696	WB37720037BB
7701205812	WB25520037RB
7701207677	WB37720437BBMV1
60011539074	WB25520037RB
402109533R	WB42770039BBM
430009707R	WB30620048RB
432102069R	WB30620048RB
732102069R	WB30620048RB

DAEWOO	
19150997	WH30203BB
19206599	WH30203BB
25903358	WH30203BB

DAEWOO	
90279331	WB34640037BB
95415438	WB25520037RB
96626339	WH30203BB
0926739004	WB39740036/34BB
926739005	WB39720037BB
0926739010	WB39740036/34BB
926739010	WB39740036/34BB

DODGE	
TD50444	387A/2A

FIAT	
4096101	LM 67048/10
4096587	LM 48548/10
4096591	M 12649/10
4419314	WB35680037BB
5890988	WB35680037BB
5890990	WB35720033BB
5890992	WB35680037BB
5891194	WB30600337BB
5927155	WB35680037BB
5937306	WB30600337BB
5941798	WB35680037BB
7174455	WB30600337BB
7174473	WB44825037BB
7476393	WB30600337BB
7555466	WB35720033BB
7603679	WH20166BB
7732410	WK00049
7787124	WH20166BB
26204529	6306 2RS/C3
26800120	32206
46423869	WB37720437BB
46453887	WH20166BB
46512970	WB37720037BBM
46529970	WB35680037BB
46773662	WB37720437BB
46783976	WB42800237BB

FIAT	
46836196	WB37740437BBM
51745702	WB55900054RBM
51753789	WB35660033BB
51758495	WB37720037BBM
51759727	WK00059
60806440	WH20166BB
60811569	WB42800237BB
60815882	WB42800237BB
71510753	WB30600337BB
71714459	WB35720433BBM
71714466	WB35660033BB
71714467	WB35660033BB
71714472	WB42800237BB
71714474	WK00052
71729126	WB42750060RB
71731547	WB44825037BBM
71742699	WB45840039BBM
71745046	WB35720433BBM
71753062	WB35720433BBM
71753820	WB37740437BBM
71769492	WK00059
92403013	WB37740437BBM
713630570	WK00052
713690670	WB35680037BB
717538919	WK00059
1326188080	WB44825037BBM
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1328046080	WB49840048RB
1328054080	WB55900060RB
1346650080	WB55900060RB
1346651080	WB49840048RB
9403350718	WK00064
9567217680	WB44825037BB
9567217780	WK00052
4721010AA	WH30206BB
K04721010AC	WH30206BB

FORD	
310114	LM 48548/10



 	
FORD	
1085565	WB29530037RB
1088380	WB39720037BB
1135043	WB29530037RB
1141771	WB39720037BB
1201568	WB29530037RB
1212541	WB29530037RB
1212546	WB29530037RB
1326487	WH20137BB
1336139	WH20137BB
1377907	WK00011
1377908	WK00012
1377910	WK00009
1471854	WH20137BB
1471859	WH20137BB
1501642	WB45820042BBM
1506577	WH30218BB
1668557	WB45820042BBM
1699196	WH30225BB
1766628	WH30218BB
1796001	WB45820042BBM
3992409	M 12649/10
3992412	LM 501349/10
5024196	WB39720037BB
5027620	WB40750037BB
5027621	WH20014BB
5027622	WH20014BB
11407629	LM 67048/10
11527973	L 44649/10
11590415	32206
12011568	WB29530037RB
3M8Z1215A	WB42800045BB
6E5Z1104AA	WH20153BB
74HB 7600 AA	6306 2RS/C3
7T4Z1104C	WH30088BB
7T4Z1215B	WB45840045BB
81AB1215AB	JL 68145/11 Z
8A8Z1104A	WH30202BB
8A8Z1104B	WH30202BB
8A8Z11104B	WH30202BB

 	
FORD	
8V5125299AE	WH30225BB
93BB1215AB	WB40750037BB
93BB2C299BB	WH20014BB
9759BR930114	WH20169BB
97FB12115AA	WB39720037BB
9T4Z1104A	WH30275BB
BT4Z1104B	WH30202BB
CV6Z1215A	WB45820042BBM
DCPZ1104A	WH30225BB
DG9Z1104A	WH30282BB
DG9Z1104B	WH30282BB
DG9Z1104C	WH30281BB
DG9Z1104D	WH30282BB
DG9Z1104E	WH30282BB
DG9Z1104F	WH30281BB
DG9Z1109A	WH30281BB
E1EC1215AA	JL 68145/11 Z
E43Z4221A	LM 603049/11
E5TW1239AA	LM 104949/11
E6DZ1215A	WB42760039RB
E73Z1A094B	WB25520037RB
E8BZ4221A	L 68149/11
E92Z4221A	32009 X
E92Z4221B	32008 X
F32Z1104B	WH20033BB
F32Z1104C	WH20032BB
F32Z1215A	WB42800045BB
F5RZ1104B	WH20014BB
YS4Z1A049AA	WB29530037RB



GM	
54470	L 44649/10
406667	32206
1603196	WB39740036/34BB
1603209	WK00083
1603210	WK00084
1603211	WH30217BB
1604307	WK00081
7467541	WH30173BB



 	
GM	
7467687	WH30173BB
7470607	WH30130BB
7470608	WH30130BB
9051149	WK00081
9057576	WK00085
9117619	WK00082
9117620	WK00083
9117622	WH30217BB
9120129	WK00081
9120273	WK00085
9196286	WB27530043RB
9436775	LM 102949/10
11055119	LM 67048/10
12413045	WH30130BB
12413083	WH30173BB
12413166	WH30173BB
12413274	WH30173BB
13123485	WK00082
15793213	WH30173BB
15798483	WH30066BB
19150997	WH30203BB
19206599	WH30203BB
20964319	WH30173BB
21995732	WH30173BB
22669735	WH30066BB
22721886	WH30066BB
22842004	WH30173BB
25903358	WH30203BB
26051816	LM 501349/14
88970097	WH30040BB
88970098	WH30039BB
90510629	WH30216BB
90538939	WK00082
90538941	WH30217BB
90538941	WK00084
90540069	WH30216BB
94535214	WB25520037RB
94840410	WB38740236/33BB
96051406	32005 X

REFERÊNCIA
ORIGINAL

 	
GM	
96057729	WB41680040/35RB
96626339	WH30203BB
926328030	WH20130BB
331459C	U 399/U 360 L-A
D54912	LM 603049/11

HONDA	
8094200950	LM 501349/10
8942270410	32008 X
8942588190	32009 X
4200-SM4-018	WH20110BB
42200-D5A-008	WH20056BB
42200-S04-008	WH20107BB
42200-S04-951	WH20029BB
42200-S10-A01	WH20083BB
42200-S10-A010	WH20083BB
42200-S5A-008	WH20056BB
42200-S5A-210	WH20055BB
42200-S5A-210M1	WH20055BB
42200-S5A-A21	WH20055BB
42200-S5A-A210	WH20055BB
42200-S5A-A210M1	WH20055BB
42200-S5A-J01	WH20087BB
42200-S84-A01	WH20057BB
42200-S84-A31	WH20058BB
42200-S84-C01	WH20057BB
42200-S84-C010M1	WH20057BB
42200-S84-C31	WH20058BB
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CRUZADA



CONCORRENTE









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43 BWD 06	WB43820045BB



	
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GRW241	WH20062BB	VKBA 3454	WK00053	VKBA 3631	WK00088
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GRW494	WH20079BB	VKBA 3468	WK00338	VKBA 3644	WK00045
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RW130R	WB40900023BB
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SET 1041	32011 X
SET 11	JL 69349/10




TIMKEN	
SET 13	JL 68145/11 Z
SET 16	LM 12749/11
SET 17	L 68149/11
SET 24	JL 68145/11 Z
SET 3	M 12649/10
SET 35	WB34640037BB
SET 37	LM 603049/11
SET 38	LM 104949/11
SET 4	L 44649/10
SET 45	LM 501349/10
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SET 49	WB42760039RB
SET 5	LM 48548/10
SET 6	LM 67048/10
SET 69	LM 501349/14
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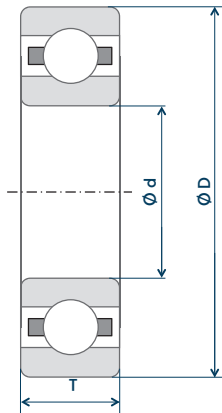
BB / BB SPC, TRB / TRB SPC, HUB BB, HUB TRB

d DIÂMETRO INTERNO (mm)  PESO (kg)

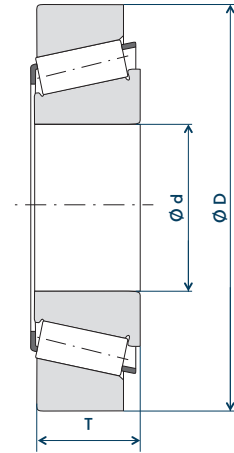
D DIÂMETRO EXTERNO (mm)  REFERÊNCIA

T ALTURA (mm)  TIPO DE ROLAMENTO

BB / BB SPC



TRB / TRB SPC



d (mm)	D (mm)	T (mm)	KG	A&S	
17	40	13,25	0,074	30203	TRB
21,43	50,005	17,526	0,174	M 12649/10	TRB
22	45,975	15,494	0,121	LM 12749/11	TRB
25	47	15	0,116	32005 X	TRB
25	52	22	0,214	33205	TRB
25	52	37	0,363	WB25520037RB	HUB TRB
25	52	42	0,368	WB25520042RB	HUB TRB
25	55	43	0,495	WB25550043RB	HUB TRB
25	55	45	0,515	WB25550045RB	HUB TRB
25	56	32	0,351	WB25560032BB	HUB BB
25	60	45	0,67	WB25600045RB	HUB TRB
25	62	48	0,59	WB25620048RB	HUB TRB
26,98	50,29	14,224	0,12	L 44649/10	TRB
27	53	43	0,405	WB27530043RB	HUB TRB
29	50,292	14,224	0,12	TR00001	TRB SPC
29	53	37	0,354	WB29530037RB	HUB TRB
30	55	17	0,17	32006 X	TRB
30	60,03	37	0,41	WB30600337BB	HUB BB
30	62	21,25	0,28	32206	TRB
30	62	48	0,67	WB30620048RB	HUB TRB
30	62	51	0,852	WB30620051RB	HUB TRB
30	72	19	0,35	6306 2RS/C3	BB
31,75	59,131	15,875	0,062	LM 67048/10	TRB

d (mm)	D (mm)	T (mm)	KG	A&S	
34	64	37	0,5	WB34640037BB	HUB BB
34	66	37	0,5	WB34660037BB	HUB BB
34	67	37	0,55	WB34670037BB	HUB BB
34,925	65,088	18,034	0,108	LM 48548/10	TRB
35	59,975	15,875	0,064	L 68149/11	TRB
35	60	15,875	0,187	JL 68145/11 Z	TRB
35	65	35	0,4	WB35650035BB	HUB BB
35	66	32	0,4	WB35660032BB	HUB BB
35	66	33	0,484	WB35660033BB	HUB BB
35	68	37	0,53	WB35680037BB	HUB BB
35	72	22	0,329	WB35720022/17BB	HUB BB
35	72	33	0,58	WB35720033BB	HUB BB
35	72,04	33	0,597	WB35720433BBM	HUB BB
35	80	26	0,67	WB35800026/21BB	HUB BB
36,97	74,04	37	0,698	WB37740437BBM	HUB BB
37	72	33	0,5	WB37720033BB	HUB BB
37	72	33	0,569	WB37720033BBM	HUB BB
37	72	37	0,63	WB37720037BB	HUB BB
37	72	37	0,72	WB37720037BBM	HUB BB
37	72,04	37	0,559	WB37720437BB	HUB BB
37	72,04	37	0,559	WB37720437BBMV1	HUB BB
37	74	45	0,795	WB37740045BB	HUB BB
37,988	74,02	36	0,59	WB38740236/33BB	HUB BB

DIMENSÕES

d DIÂMETRO INTERNO (mm)

PESO (kg)

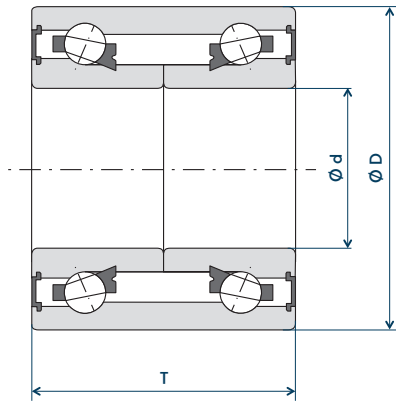
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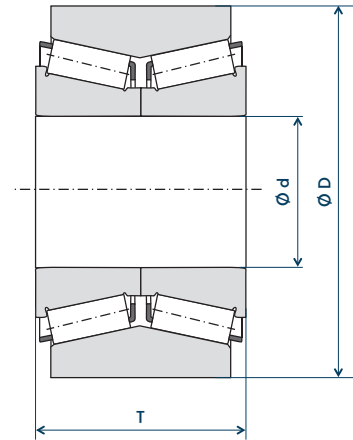
T ALTURA (mm)

TIPO DE ROLAMENTO

HUB BB



HUB TRB

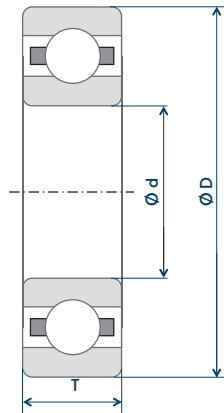


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37,99	72,02	36	0,56	WB38720236/33BB	HUB BB
38	63	17	0,071	JL 69349/10	TRB
38	65	52	0,68	WB38650052/48RB	HUB TRB
38	73	40	0,62	WB38730040BBM	HUB BB
38	73	40	0,67	WB38730040BB	HUB BB
38,1	70	37	0,56	WB38700037BB	HUB BB
39	68	37	0,472	WB39680037BB	HUB BB
39	72	37	0,58	WB39720037BB	HUB BB
39	74	36	0,616	WB39740036/34BB	HUB BB
39	74	39	0,66	WB39740039BB	HUB BB
39	75	37	0,64	WB39/41750037BB	HUB BB
39,689	73,025	22,098	0,53	U 399/U 360 L-A	TRB
40	68	19	0,27	32008 X	TRB
40	72	37	0,546	WB40720037BB	HUB BB
40	73	55	0,99	WB40730055RB	HUB TRB
40	74	36	0,6	WB40740036BB	HUB BB
40	74	36	0,62	WB40740036/34BB	HUB BB
40	74	40	0,62	WB40740040BB	HUB BB
40	75	37	0,62	WB40750037BB	HUB BB
40	76	33	0,53	WB40760033BB	HUB BB
40	78,02	40	0,768	WB40780240BBM	HUB BB
40	80	23	0,404	WB40800023/18BB	HUB BB
40	80	23	0,445	62208 2RS/C3	BB

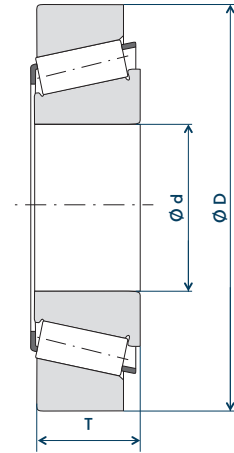
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40	84,05	40	0,992	WB40840539/40BBM	HUB BB
40	90	23	0,63	6308 2RS/C3	BB
40	90	23	0,73	WB40900023BB	HUB BB
41	68	17,5	0,082	LM 300849/11	TRB
41	68	40	0,55	WB41680040/35RB	HUB TRB
41,275	73,431	19,558	0,108	LM 501349/10	TRB
41,275	73,431	21,43	0,339	LM 501349/14	TRB
41,98	80,02	37	0,697	WB42800237BB	HUB BB
41,99	82	36	0,77	WB42820036BB	HUB BB
42	72	38	0,598	WB42720038/35RB	HUB TRB
42	75	37	0,6	WB42750037BB	HUB BB
42	75	60	1,05	WB42750060RB	HUB TRB
42	76	33	0,542	WB42760033BB	HUB BB
42	76	39	0,796	WB42760039RB	HUB TRB
42	77	39	0,733	WB42770039BBM	HUB BB
42	78	40	0,786	WB42780040BB	HUB BB
42	80	39	0,796	WB42800039BBM	HUB BB
42	80	45	0,85	WB42800045BB	HUB BB
42	82,03	36	0,787	WB42820336BBM	HUB BB
42	84	39	0,894	WB42840039BB	HUB BB
42	84,03	39	0,93	WB42840339BB	HUB BB

DIMENSÕES

BB / BB SPC



TRB / TRB SPC



d (mm)	D (mm)	T (mm)	KG	A&S	
43	76	43	0,7	WB43760043BB	HUB BB
43	78	44	0,85	WB43780044BBM	HUB BB
43	79	41	0,718	WB43790041/ 38BBM	HUB BB
43	79	41	0,83	WB43790041/38BB	HUB BB
43	79	45	0,855	WB43790045BB	HUB BB
43	80	40	0,844	WB43800040BBM	HUB BB
43	82	37	0,796	WB43/45820037BB	HUB BB
43	82	45	0,94	WB43820045BB	HUB BB
43	85	37	0,875	WB43850037BB	HUB BB
44	82,5	37	0,818	WB44825037BB	HUB BB
44	82,5	37	0,92	WB44825037BBM	HUB BB
45	75	20	0,354	32009 X	TRB
45	80	36,6	0,702	U 497/U 460 L-C	TRB
45	82	42	0,865	WB45820042BBM	HUB BB
45	83	44	0,85	WB45830044BBM	HUB BB
45	84	39	0,865	WB45840039BB	HUB BB
45	84	39	0,87	WB45840039BBM	HUB BB
45	84	42	0,934	WB45840042/ 40BBM	HUB BB
45	84	42	0,94	WB45840042/40BB	HUB BB
45	84	45	1,019	WB45840045BB	HUB BB
45	84,03	41	0,92	WB45840341/39BB	HUB BB
45	85,04	41	0,925	WB45850441BBE	HUB BB

d (mm)	D (mm)	T (mm)	KG	A&S	
45	85,04	41	0,925	WB45850441BBM	HUB BB
45	87	41	1,04	WB45870041/39BB	HUB BB
45,242	73,431	19,558	0,102	LM 102949/10	TRB
45,242	77,788	19,842	0,368	LM 603049/11	TRB
45,3	80	48	0,965	WB45800048RB	HUB TRB
45,3	80	60	0,973	WB45800060RB	HUB TRB
45,99	74,976	18	0,315	LM 503349/10	TRB
46	78	57	1,07	WB46780057RB	HUB TRB
48	86	42	0,896	WB48860042/40BB	HUB BB
48	86	42	0,896	WB48860042/ 40BBM	HUB BB
48,9	90,05	45,1	1,09	WB49900545BBE	HUB BB
49	84	48	1,02	WB49840048RB	HUB TRB
49	88	48	1,46	WB49880048BBM	HUB BB
50	80	20	0,365	32010 X	TRB
50,8	82,55	21,59	0,412	LM 104949/11	TRB
51	91	44	1,205	WB51910044BBM	HUB BB
51	96	50	1,53	WB51960050BBM	HUB BB
52	91	40	0,98	WB52910040BBM	HUB BB
55	90	23	0,563	32011 X	TRB
55	90	54	1,584	WB55900054RBM	HUB TRB
55	90	60	1,4	WB55900060RB	HUB TRB
57,15	96,838	21	0,599	387A/2A	TRB

DIMENSÕES

d DIÂMETRO INTERNO (mm)

PESO (kg)

D DIÂMETRO EXTERNO (mm)

REFERÊNCIA

T ALTURA (mm)

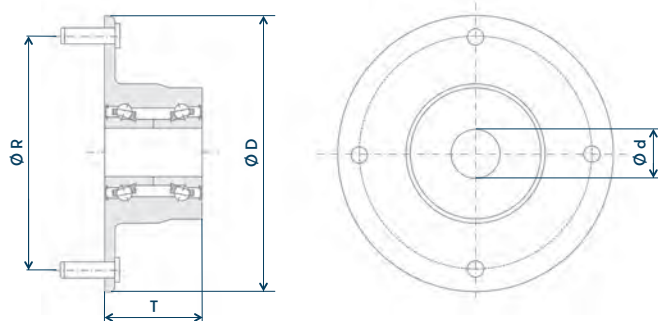
TIPO DE ROLAMENTO

DIMENSÕES

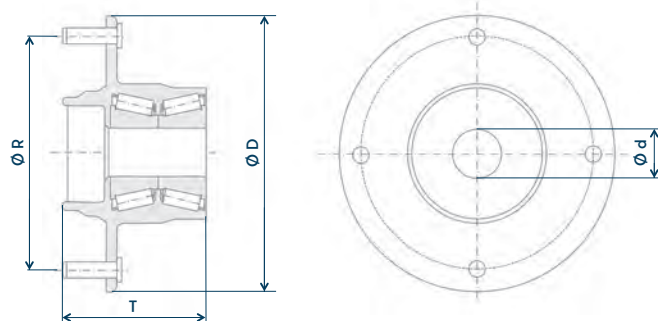
HUB BB 2, HUB TRB 2, HUB BB 3, HUB TRB 3

d	DIÂMETRO INTERNO (mm)		PESO (kg)
D	DIÂMETRO EXTERNO (mm)		REFERÊNCIA
R	DIÂMETRO ALOJAMENTO PARAFUSO (mm)		TIPO DE ROLAMENTO
T	ALTURA (mm)		

HUB BB 2



HUB TRB 2



d (mm)	D (mm)	R (mm)	T (mm)	KG	A&S	
24,42	142	--	72,4	3,4	WH30138BB	HUB BB 3
24,45	124	--	95,2	3,38	WH30243BB	HUB BB 3
25	132,8	--	72,5	1,02	WH20140BB	HUB BB 2
25,4	136	--	86	4,05	WH30227BB	HUB BB 3
25,4	137	--	100,9	3,65	WH30217BB	HUB BB 3
25,42	136	--	74,7	2,47	WH30239BB	HUB BB 3
25,69	138,9	--	67,7	3,37	WH30193BB	HUB BB 3
26,41	131,3	--	90,55	2,59	WH20137BB	HUB BB 2
26,411	136	--	92,7	3,41	WH30221BB	HUB BB 3
26,411	135,6	--	82	2,9	WH30161BB	HUB BB 3
26,411	135,8	--	88,4	3,38	WH30170BB	HUB BB 3
26,42	124	--	74,1	2,59	WH30178BB	HUB BB 3
26,42	142	--	74,5	3,6	WH30177BB	HUB BB 3
26,5	135,7	--	90,5	3,65	WH30057BB	HUB BB 3
27	148	--	68	1,77	WH20095BB	HUB BB 2
27,42	139,8	--	96,6	3,48	WH30088BB	HUB BB 3
27,52	149,6	--	89	4,03	WH30180BB	HUB BB 3
27,91	145,8	--	84	3,9	WH30202BB	HUB BB 3
27,94	144,3	--	96	3,9	WH30130BB	HUB BB 3
28	134	--	61	1,59	WH20107BB	HUB BB 2
28	134	--	66	1,68	WH20146BB	HUB BB 2
28	134	--	66,94	1,7	WH20147BB	HUB BB 2
28	139	--	64,5	1,97	WH20017BB	HUB BB 2
28	139	--	64,5	1,8	WH20049BB	HUB BB 2

d (mm)	D (mm)	R (mm)	T (mm)	KG	A&S	
28	139	--	64,6	2,01	WH20045BB	HUB BB 2
28	140	--	64,5	1,76	WH20007RB	HUB TRB 2
28	140	--	64,6	1,96	WH20065BB	HUB BB 2
28	140	--	64,6	1,88	WH20066BB	HUB BB 2
28	125,5	--	70,5	1,6	WH20042BB	HUB BB 2
28	133,8	--	61	1,62	WH20029BB	HUB BB 2
28	135,2	--	67,8	1,82	WH20051BB	HUB BB 2
28,25	136	--	74,9	2,45	WH30207BB	HUB BB 3
28,5	140	--	89,7	4,53	WH30059RB	HUB TRB 3
28,57	138,9	--	67,7	3,29	WH30194BB	HUB BB 3
28,9	135,7	--	--	3	WH30282BB	HUB BB 3
29,2	136,0	--	--	3,8	WH30271BB	HUB BB 3
29,42	139	--	86,9	3,65	WH30192BB	HUB BB 3
29,84	165	--	95	5,19	WH30072BB	HUB BB 3
29,84	164,8	--	90	5,5	WH30186BB	HUB BB 3
30	117,0	--	37	1,38	WH20166BB	HUB BB 2
30	120,0	--	44,7	1,5	WH20164BB	HUB BB 2
30	122,0	--	70	1,72	WH20073BB	HUB BB 2
30	151,8	--	68,5	2,24	WH20167BB	HUB BB 2
30	--	90	54	1,16	WH20139BB	HUB BB 2
30	125,6	--	79	1,68	WH20024BB	HUB BB 2
30	135,7	--	66,41	1,88	WH20119BB	HUB BB 2
30	135,8	--	66,9	1,84	WH20023BB	HUB BB 2
30	136,5	--	66,1	1,83	WH20098BB	HUB BB 2

DIMENSÕES

d DIÂMETRO INTERNO (mm)

D DIÂMETRO EXTERNO (mm)

R DIÂMETRO ALOJAMENTO PARAFUSO (mm)

T ALTURA (mm)

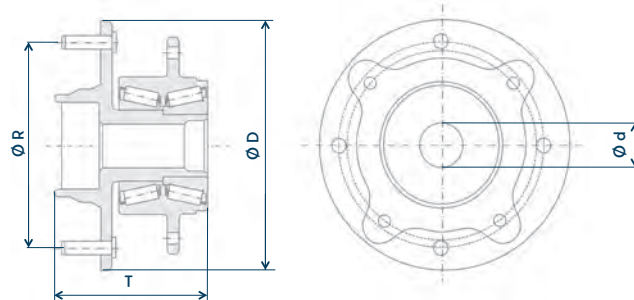
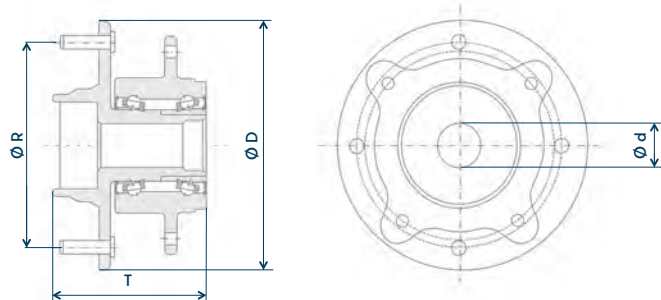
PESO (kg)

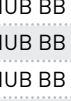
REFERÊNCIA


TIPO DE ROLAMENTO

HUB BB 3

HUB TRB 3

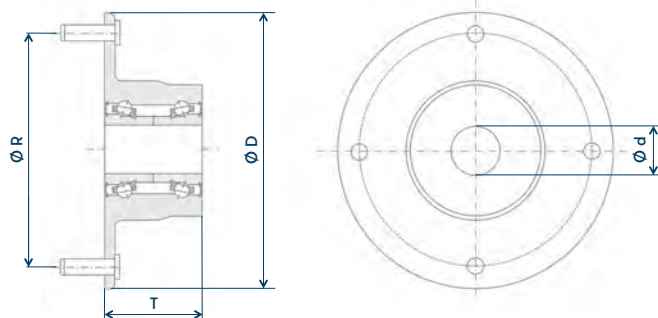


d (mm)	D (mm)	R (mm)	T (mm)	KG	A&S	
30	138,6	--	68,6	2,02	WH20097BB	HUB BB 2
30	138,8	--	67,4	1,98	WH20055BB	HUB BB 2
30	138,8	--	67,4	1,81	WH20056BB	HUB BB 2
30	138,8	--	67,7	1,89	WH20087BB	HUB BB 2
30	139,3	--	68,4	2,22	WH20064BB	HUB BB 2
30	151,8	--	67,3	1,9	WH20011BB	HUB BB 2
30	151,8	--	67,3	1,87	WH20110BB	HUB BB 2
30	151,8	--	67,3	1,80	WH20111BB	HUB BB 2
30	151,8	--	68,1	2,07	WH20057BB	HUB BB 2
30	151,8	--	68,1	2,08	WH20058BB	HUB BB 2
30,69	144	--	87,9	4,02	WH30224BB	HUB BB 3
31,115	137	--	73	3,39	WH30173BB	HUB BB 3
31,19	151	--	87,1	3,6	WH30203BB	HUB BB 3
31,19	151	--	100,8	4,54	WH30232BB	HUB BB 3
31,22	161,6	--	87	4,7	WH30201BB	HUB BB 3
31,22	161,8	--	84,6	4	WH30206BB	HUB BB 3
31,4	148	--	91	4,15	WH30010RB	HUB TRB 3
32	128	--	58,3	1,81	WH20004BB	HUB BB 2
32	129	--	59	1,73	WH20158BB	HUB BB 2
32	129	--	59,1	2,1	WH20143BB	HUB BB 2
32	129	--	59,1	1,74	WH20163BB	HUB BB 2
33	139	--	72	2,22	WH20138BB	HUB BB 2
33	140	--	73,3	2,2	WH20032BB	HUB BB 2
33	140	--	73,3	2,1	WH20033BB	HUB BB 2

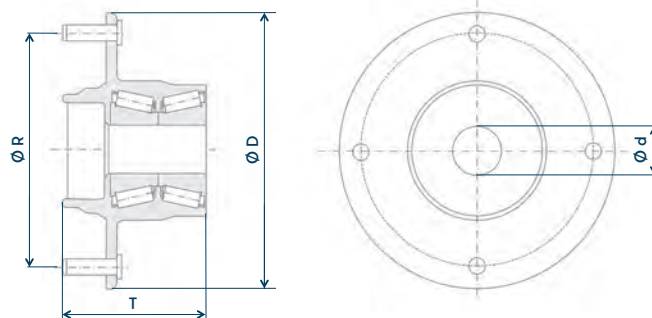
d (mm)	D (mm)	R (mm)	T (mm)	KG	A&S	
33	140,2	--	79,4	2,36	WH20008BB	HUB BB 2
33,6	157	--	166	3,72	WH30277BB	HUB BB 3
34	151,8	--	67,4	2,15	WH20021BB	HUB BB 2
34	151,8	--	67,4	2,03	WH20036BB	HUB BB 2
34,29	208	--	99,3	7,76	WH30063RB	HUB TRB 3
35	136	--	69,4	1,96	WH20014BB	HUB BB 2
35	136,5	--	74	2,04	WH20128BB	HUB BB 2
36	139	--	--	2,12	WH20170BB	HUB BB 2
36	140	--	79,73	2,88	WH20153BB	HUB BB 2
36	140	--	--	2,79	WH20169BB	HUB BB 2
37	139	--	64	2,16	WH20122BB	HUB BB 2
37	143	--	--	2,43	WH20168BB	HUB BB 2
37	144	--	--	4,25	WH30276BB	HUB BB 3
37	149,7	--	71,56	2,93	WH20135BB	HUB BB 2
38	--	106	58,1	1,26	WH20026BB	HUB BB 2
40	108	--	32	1,08	WH20003BB	HUB BB 2
40	--	106	43	1,28	WH20124BB	HUB BB 2
40	--	106,9	56	1,6	WH20062BB	HUB BB 2
41	169	--	54,5	2,8	WH20130BB	HUB BB 2
42	--	114,3	--	2	WH20019RB	HUB TRB 2
43	127	--	40,5	1,19	WH20096BB	HUB BB 2
43	--	120	66	1,87	WH20050BB	HUB BB 2
43	--	120	66	1,9	WH20083BB	HUB BB 2
43	--	101,7	44	1,38	WH20116BB	HUB BB 2

DIMENSÕES

HUB BB 2



HUB TRB 2



d (mm)	D (mm)	R (mm)	T (mm)	KG	A&S	
45	--	106	41	1,37	WH20079BB	HUB BB 2
50	118	--	--	2,08	WH20171BB	HUB BB 2
61	--	126	40,5	1,51	WH20136BB	HUB BB 2
--	131	--	85,9	2,66	WH30225BB	HUB BB 3
--	131	--	96	3,51	WH30222BB	HUB BB 3
--	135	--	80,8	2,8	WH30039BB	HUB BB 3
--	135	--	80,8	2,54	WH30231BB	HUB BB 3
--	135	--	87	3,13	WH30105BB	HUB BB 3
--	135,7	--	--	3,1	WH30281BB	HUB BB 3
--	136	--	93,9	3,45	WH30218BB	HUB BB 3
--	136	--	93,9	3,5	WH30223BB	HUB BB 3
--	136	--	94	3,14	WH30259BB	HUB BB 3
--	136	--	97,7	3,79	WH30234BB	HUB BB 3
--	136	--	106,5	3,74	WH30216BB	HUB BB 3
--	138	--	97,3	3,12	WH30061BB	HUB BB 3
--	139	--	88,7	3,14	WH30262BB	HUB BB 3
--	139	--	--	3	WH30278BB	HUB BB 3
--	139	--	--	2,95	WH30279BB	HUB BB 3
--	140	--	84,3	2,78	WH30082BB	HUB BB 3
--	140	--	84,3	2,88	WH30215BB	HUB BB 3
--	140	--	88	4,53	WH30058RB	HUB TRB 3
--	140	--	96,5	3,54	WH30022BB	HUB BB 3
--	140	--	101,1	3,77	WH30018BB	HUB BB 3
--	140	--	101,3	2,68	WH30007BB	HUB BB 3

d (mm)	D (mm)	R (mm)	T (mm)	KG	A&S	
--	140	--	103,3	3,42	WH30066BB	HUB BB 3
--	140	--	108,5	2,80	WH30024BB	HUB BB 3
--	140	--	--	4,10	WH30275BB	HUB BB 3
--	143	--	81	3,20	WH30172BB	HUB BB 3
--	145	--	--	3,84	WH30270BB	HUB BB 3
--	147	--	83,7	3,10	WH30191BB	HUB BB 3
--	148	--	87	3,82	WH30258BB	HUB BB 3
--	148	--	88	3,34	WH30090BB	HUB BB 3
--	148	--	94,5	2,96	WH30104BB	HUB BB 3
--	148	--	97,5	3,12	WH30103BB	HUB BB 3
--	148	--	--	2,98	WH30273BB	HUB BB 3
--	151	--	--	4,32	WH30272BB	HUB BB 3
--	157	--	--	7,20	WH30274BB	HUB BB 3
--	130,8	--	90,8	3,02	WH30025BB	HUB BB 3
--	134,9	--	80,9	2,66	WH30040BB	HUB BB 3
--	135,9	--	88,6	3,59	WH30045BB	HUB BB 3
--	137,2	--	88	2,99	WH30226BB	HUB BB 3
--	137,4	--	114,9	4,0	WH30013BB	HUB BB 3
--	139,2	--	88,9	2,72	WH30058BB	HUB BB 3
--	139,2	--	96,6	3,13	WH30096BB	HUB BB 3
--	139,3	--	92,5	3,15	WH30084BB	HUB BB 3
--	139,4	--	81,1	3,79	WH30083BB	HUB BB 3
--	140,4	--	124,4	3,83	WH30021BB	HUB BB 3

DIMENSÕES

d DIÂMETRO INTERNO (mm)

D DIÂMETRO EXTERNO (mm)

R DIÂMETRO ALOJAMENTO PARAFUSO (mm)

T ALTURA (mm)

PESO (kg)

REFERÊNCIA

TIPO DE ROLAMENTO



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