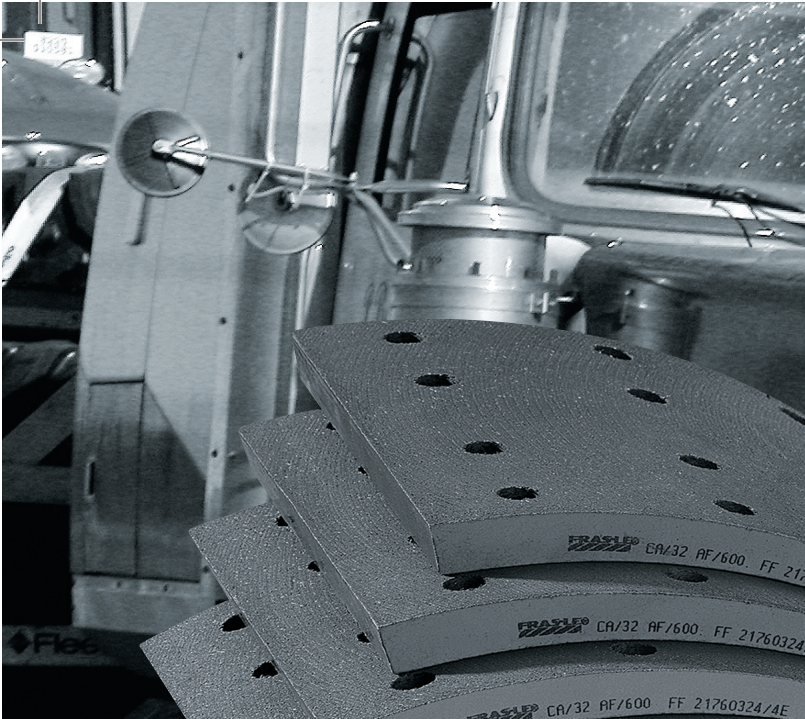


EXPORT



## Catálogo de Aplicaciones de Bloques

2012



## Como usar este Catálogo

### Sección de Aplicaciones

Esta sección está ordenada alfabéticamente por marca de vehículo y dentro de cada una por modelo. En ella podrá encontrar el número Fras-le que aplica en cada caso particular, tanto para el eje delantero como para el trasero cuando corresponda.

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
ACOPLADOS Y SEMIRREMOLQUES						
CARRETONES				AC/16		
CONSTRUCCIONES METALURGICAS				9062		
CONSTRUCCIONES METALURGICAS				4311-BA		
GALLARETA - FANGIO				4311-BA		
AGRALE						
6.000	99 /		Varga	FD/72	Bendix	
8.500	97 /	FD/77	Master	FD/77	Master	
9.200	03 /	FD/59	Master	FD/59	Master	
13000	07 /	FD/86	Master	FD/87	Master	
1.600 D	85 / 90		Bendix			
1.600 D	90 / 94		Varga	FD/72	Bendix	

### Sección de Diagrama de Agujeros

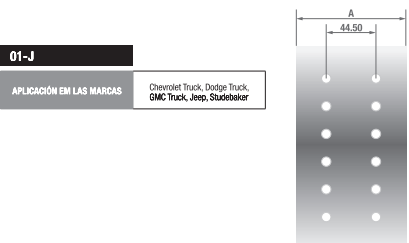
En esta sección listamos las referencias Fras-le y su respectivos diagrama de de agujeros y también las aplicaciones (marca) que utilizan la referencia.

REF.	DIAGRAMA DE AGUJEROS	APLICACIÓN EM LAS MARCAS
2042	01-J	Chevrolet Truck, Dodge Truck, GMC Truck, Jeep, Studebaker
2060	01-K	Chrysler, Dico, Dodge Truck, Ford, Ford Truck
2137	03-D	Ford Truck
4311-B-BA	10-M	Mack Truck
4311-J-BA	09-B	Autocar, Brockway, Chevrolet Truck, Dodge Truck, Eaton Brakes, Ford Truck, GMC Truck, International
4311-BA	10-L	Mack Truck
4317-G	02-F	Chevrolet Truck, Diamond Reo, Eaton Brakes, GMC Truck, White Truck
4514-G	03-V	Autocar, Chevrolet Truck, Dodge Truck, GMC Truck, International, Iveco, Randon, Rockwell Axle
4515-G	03-O	Autocar, Chevrolet Truck, Ford Truck, GMC Truck, International, Mack Truck, Rockwell Axle, Standard Forge
4524-B	03-U	Autocar, Chevrolet Truck, Dodge Truck, Fiat, GMC Truck, International, Mercedes-Benz, Rockwell Axle
4564-A	02-M	Chrysler, Dodge Truck, Ford
4596-B	09-U	Chevrolet Truck, Dodge Truck, Ford Truck, GMC Truck, Int'l Harvester
4644-A	06-Y	DAF, Foden, Seddon Atkinson
4551	08-B	Black Diamond, Dana, Eaton Brakes, Fruhauf, Hobbs, K-B Axle, Lufkin, Rockwell Axle, Standard Forge

### Sección de Dimensiones

Aquí encontrará las principales dimensiones del bloque de freno bien como su diagrama de agujeros.

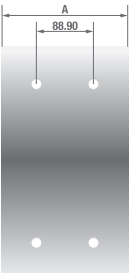
REF.	PZ / JO	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
2042	2-2	330	13	63.5	2 1/2	6.4	8	9.5	309	340	12	12	01-J



### Sección de Dibujos

Esta sección ordena los dibujos de bloques por la cantidad de agujeros en cada una.

4 HOLES 10-L



### Sección de Conversión de bloques de freno

En esta sección listamos todos los ítems Fras-le e su conversión con los números originales BFMC, WVA y FMSI.

REF FRAS-LE	BFMC	WVA	FMSI
2042			2042
2060			2060
2137			2137
4311-B-BA			4311-B
4311-J-BA	AX14/6	19896 00	4311-J
4311-BA			4311
4317-G			4317-G
4514-G			4514-G
4515-G			4515-G
4524-B			4524-B
4551	FU4/5/1		4551
4564-A			4564-A
4596-B			4596
4644-A	RW1/2/5	19017/977 00	4644-A



Aplicaciones	04
Acoplados Y Semirremolques	04
Agrale	04
Antonini	04
Astivia	04 e 05
Biselli	05
Contin	05
Cummins	05
Dodge	05
Deutz	05 e 06
Dimex - Omnibus Y Camiones	06
El Detalle	06
Ejes	06 e 07
Engesa-Frw (Fruehauf)	07
Fachini	07
Fiat - Camiones	07
Fiat	07
FNM (Alfa Romeo)	07
Ford	07 a 10
General Motors	10 e 11
GMC	11
Chevrolet - Utilitarios Y Camiones	11
Golive	12
Gotti	12
Grahl	12
Grosspal	12
Guerra	12
Helvetica	12
Iderol	12
Indecar	12
International	13
Iveco	13
Krone	14
Maldonado (Frepilco)	14
Maferesa	14
Marcopolo	14
Maringá	14
Massari	14
Materfer	14
Mercedes-Benz	14 a 23
Metalpi	23
Minuano	23
Montenegro	23
Noma	23
Pastre	23
Pratti - Fruehauf	23
Puma	23
Randon	23
Reformas - Camiones Y/O Omnibus	23
Recrusul	23
Renault	24
Rodoviária	24
Rossetti	24
Salto	24
Scania	24 a 27
Schiffer	27
Tatsa	27
Volkswagen	27 a 30
Volvo	30 e 31
Zanello (Omnibus)	31
Diagrama de Agujeros	32 e 33
Dimensiones	34 a 60
Dibujos	61 a 65
Conversión de Bloques de Freno	66

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>ACOPLADOS Y SEMIRREMOLQUES</b>						
CARRETONES				AC/16		
CONSTRUCCIONES METALURGICAS				9052		
CONSTRUCCIONES METALURGICAS				4311-RA		
GALLARETA - FANGIO				4311-RA		

<b>AGRALE</b>						
6,000	99 /		Varga	FD/72	Bendix	
8,500	97 /	FD/77	Master	FD/77	Master	
9,200	03 /	FD/59	Master	FD/59	Master	
13000	07 /	FD/86	Master	FD/87	Master	
1.600 D	85 / 90		Bendix			
1.600 D	90 / 94		Varga	FD/72	Bendix	
1.600 D 4x4	85 / 89		Bendix			
1.800 D	88 / 90		Bendix			
1.800 D	90 / 94		Varga	FD/72	Bendix	
13.000 6x2	07 /	FD/86	Master	FD/87	Master	
4.500 D	94 / 97		Varga	FD/72	Bendix	
5.000 D	94 / 98		Varga	FD/72	Bendix	
7.000 D	93 /	FD/77	Master	FD/77	Master	
7.500 TD	94 /	FD/77	Master	FD/77	Master	
FURGOVAN 6.000	99 /		Varga	FD/72	Bendix	
FURGOVAN 8.000	00 /	FD/77	Master	FD/77	Master	
MA 12.0	01 /	FD/88	Master	FD/88	Master	Ônibus
MA 6.0 CHASSIS CARRO FORTE			Varga	FD/72	Bosch	
MA 7.0	00 /	FD/77	Master	FD/77	Master	Ônibus
MA 7.5	00 /	FD/77	Master	FD/77	Master	Ônibus
MA 7.9 E-TRONIC	06 /	FD/77	Master	FD/77	Master	Ônibus
MA 8.5 SUPER	02 /	FD/59	Master	FD/59	Master	Ônibus
MA 8.5 SUPER E	02 /	FD/59	Master	FD/59	Master	Ônibus
MA 8.5 TCA	02 /	FD/59	Master	FD/59	Master	Ônibus
MA 8.5 TCE	00 /	FD/77	Master	FD/77	Master	Ônibus
MA 9.2	03 /	FD/59	Master	FD/59	Master	Ônibus
MARRUA AM 100 / AM 100 CC	08 /		Bosch	FD/78	Bosch	
MARRUA AM 100 CD / AM 100 CD CC	08 /		Bosch	FD/78	Bosch	
MARRUA AM 150 / AM 150 CC	08 /		Bosch	FD/78	Bosch	
MARRUA AM 150 CD / AM 150 CD CC	08 /		Bosch	FD/78	Bosch	
MARRUA AM 20	08 /		Bosch	FD/78	Bosch	
MARRUA AM 200 / AM 200 CC	08 /		Bosch	FD/78	Bosch	
MARRUA AM 200 CD / AM 200 CD CC	08 /		Bosch	FD/78	Bosch	
MARRUA AM 50 / AM 50 L	08 /		Bosch	FD/78	Bosch	
MT 12.0	01 /	FD/88	Master	FD/88	Master	Ônibus
MT 12		FD/88		4710	Master	Ônibus
MT 15				4710	Master	Ônibus
MT 17				4710	Master	Ônibus

<b>ANTONINI</b>						
CARRETA	98 /			CA/32	Master	

<b>ASTIVIA</b>						
ACOPLADOS Y SEMIRREMOLQUES				9251/8		
ACOPLADOS Y SEMIRREMOLQUES				CA/32		



Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>ASTIVIA</b>						
CARRETONES	94 / 99			MB/186		
CARRETONES	99 /			MB/193		

<b>BISELLI</b>						
CARRETA	/ 78			4515-G		
CARRETA	78 /			CA/32	Master	

<b>CONTIN</b>						
3º EIXO	Todos			4524-B	Master	4524-B
CARRETA	/ 78			4515-G		
CARRETA	78 /			CA/32	Master	

<b>CUMMINS</b>						
RC-210	73 / 76	4524-B	Master			
RCA-210	73 / 76	4524-B	Master			
RL-413	70 / 72	4524-B	Master			
RSL-413	70 / 72	4524-B	Master			
U-413	70 / 72	4524-B	Master			
UC-210	73 / 76	4524-B	Master			
UCE-210	73 / 76	4524-B	Master			
UCL-210	73 / 76	4524-B	Master			
URL-413	70 / 72	4524-B	Master			

<b>DODGE</b>						
DODGE D/DP-400	64 / 80	2060		4564-A		
DODGE D/DP-600	68 / 80	9232		9233		
DODGE D-1000	82 / 84			4311-J-RA		
DODGE D-400	78 / 83			FD/72	Bendix	
DODGE D-500	64 / 80	2060		4564-A		
DODGE D-700	69 / 82	2060		4564-A		
DODGE D-750	69 / 82	2060		4564-A		
DODGE DP-1000		MB/141		MB/142		
DODGE DP-900		MB/141		MB/142		
DODGE E-13	81 / 85			4514-G		
DODGE E-21	81 / 85			4514-G		
DODGE P-700	69 / 82	2060		4564-A		

<b>DEUTZ</b>						
6000	99 /		Varga	FD/72	Bendix	
8500	97 /	FD/77	Master	FD/77	Master	
1600 D	90 / 94		Varga	FD/72	Bendix	
1800 D	90 / 94		Varga	FD/72	Bendix	
1800 Dinamic	90 /		Varga	FD/72	Bendix	
4500 D	94 /		Varga	FD/72	Bendix	
5000 D	94 /		Varga	FD/72	Bendix	
7000 D Stark	93 /	FD/77	Master	FD/77	Master	
7500 TD Stark	94 /	FD/77	Master	FD/77	Master	
OMNIBUS CHASIS ARBUS	90 /	MB/142		CA/32		

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>DEUTZ</b>						
TX-1600	/ 90	2042				

<b>DIMEX - OMNIBUS Y CAMIONES</b>						
D-1316-N Pesado Carga General	98 /	FD/86	Master	4515-G		
D-1416 Pesado Carga General	98 /	FD/86	Master			
D-1418-N Pesado Carga General	98 /	4524-B		4515-G		
D-1418-T Pesado Tractor c/ Plato	98 /	4524-B		4515-G		
D-1422-T	98 /	4524-B		4515-G		Ómnibus
D-1619-N Pesado Carga General	98 /	4524-B		4515-G		
D-1619-T Pesado Tractor c/ Plato	98 /	4524-B		4515-G		
D-1622-T	98 /	4524-B		4515-G		
D-1625-N Pesado Carga General	98 /	4524-B		4515-G		
D-1625-T Pesado Tractor c/ Plato	98 /	4524-B		4515-G		
D-1721 Pesado Tractor c/ Plato	98 /	FD/87	Master			
D-1725 Pesado Tractor c/ Plato	98 /	FD/87	Master			
D-1731-N Extrapesado Carga General	98 /	4524-B		4515-G		
D-1731-T Extrapesado Tractor c/ Plato	98 /	4524-B		4515-G		
D-1737 Extrapesado Tractor c/ Plato	98 /	4524-B		4515-G		
D-2731 Extrapesado Carga General	98 /	4524-B				
D-916-M	98 /	FD/77	Master	FD/77	Master	Ómnibus

<b>EL DETALLE</b>						
OA-101	92 /	4524-B	Master	4515-G	Master	
OA-101	92 /	MB/141	Master	AC/30	Master	
OA-101	92 /	MB/141	Master	CA/32	Master	
OA-101	92 /	4515-G	Master	CA/32	Master	
OA-101	92 /	AC/10	Eaton	AC/11	Eaton	
OA-102	92 /	4524-B	Master	4515-G	Master	
OA-102	92 /	MB/141	Master	AC/30	Master	
OA-102	92 /	MB/141	Master	CA/32	Master	
OA-102	92 /	4515-G	Master	CA/32	Master	
OA-102	92 /	AC/10	Eaton	AC/11	Eaton	
OA-104 Góndola	92 /	4311-J-RA		4674	Eaton	
OA-104 Reformas				4710		
OA-104 Reformas				AC/18		
OA-105	97 /			AC/17		

<b>EJES</b>						
EJE WEBB DIRECCIONAL				4715		
EJES BOERO	Todos			AC/30		
EJES BOERO	Todos			CA/32		
EJES BOERO	Todos			CA/33		Freno Qplus 8"
EJES BOERO	Todos			4707		Freno Qplus 7"
EJES CASTELCOORP	Todos			CA/32		
EJES DORREGO	Todos			AC/30		
EJES DORREGO	Todos			CA/32		
EJES G.E.C	Todos					Eje Andino freno 8"
EJES FASYS	Todos					Suspensys
EJES FREPILCO	Todos			AC/30		

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>EJES</b>						
EJES MATRIPAR	Todos			AC/30		
EJES METROFUND	Todos			AC/30		
EJES METROFUND	Todos			CA/32		
EJES PENTRON	Todos			AC/30		
EJES REGA	Todos			FD/77		
EJES REGA	Todos			FD/87		
EJES REGA	Todos			AC/30		
EJES REGA	Todos			CA/32		
EJES SABINO	Todos			AC/30		
EJES SABINO	Todos			CA/32		
EJES SOLERO	Todos			AC/30		
EJES SOLERO	Todos			CA/32		
EJES TAFOR	Todos			AC/30		
EJES TAFOR	Todos			CA/32		

<b>ENGESA-FNV (Fruehauf)</b>						
CARRETA	/ 80			4515-G		
CARRETA	80 /			4515-G CA/32	Master	

<b>FACHINI</b>						
CARRETA	/ 99			CA/32	Master	
CARRETA	00 /			CA/33	Master	

<b>FIAT - CAMIONES</b>						
190	76 / 85	4524-B				
210	76 / 88	4515-G				
643	69 / 88	9244	Fiat	9245	Fiat	
673	73 / 80	9232	Fiat	9233	Fiat	
130 AU	86 / 92	9233	Fiat	9233	Fiat	Ómnibus
150 N	86 /	9233	Fiat	9233	Fiat	
150 T	86 /	9233	Fiat	9233	Fiat	
160 AU	86 / 92	9233	Fiat	9233	Fiat	Ómnibus
619 N / T	69 / 88	9244	Fiat	9245	Fiat	
697 N / T	69 / 88	9244	Fiat	9245	Fiat	

<b>FIAT</b>						
FIAT-190	76 / 85	4524-B	Master			
FIAT-210	76 / 78	4524-B	Master			

<b>FNM (Alfa Romeo)</b>						
FNM-190	76 / 77	4524-B	Master			
FNM-210	73 / 77	4524-B	Master			

<b>FORD</b>						
1618-CO	93 /	FD/87	Master	FD/88	Master	
B-1618-CO	93 / 97	FD/87	Master	FD/88	Master	Ómnibus
B-1621	98 /	FD/88	Master	4710	Master	Ómnibus
B600	67 /	2060		4564-A		



Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>FORD</b>						
C-1215	86 / 91	FD/83	Bendix	4515-G	Bendix	
C-1215	92 / 96	FD/83	Bendix	FD/85	Bendix	
C-1215	97 /	FD/86	Master	FD/87	Master	
C-1217	01 /	FD/86	Master	FD/87	Master	
C-1218	87 / 91	FD/83	Bendix	4515-G	Bendix	
C-1313	85 / 87	FD/83	Bendix	4515-G	Bendix	
C-1314	85 / 86	FD/83	Bendix	4515-G	Bendix	
C-1316	02 /	FD/86	Master	FD/87	Master	
C-1317	85 / 86	FD/83	Bendix	4515-G	Bendix	
C-1317	01 /	FD/86	Master	FD/87	Master	
C-1415	86 / 91	FD/83	Bendix	4515-G	Bendix	
C-1415	92 / 96	FD/83	Bendix	FD/84	Bendix	
C-1415	97 /	FD/86	Master	FD/88	Master	3° eixo FD/88
C-1416	00 /	FD/83	Bendix	FD/84	Bendix	
C-1416	98 /	FD/86	Master	FD/88	Master	3° eixo FD/88
C-1417	01 /	FD/86	Master	FD/88	Master	
C-1418	86 / 90	FD/83	Bendix	4515-G	Bendix	
C-1419	90 / 91	FD/83	Bendix	4515-G	Bendix	
C-1421	01 /	FD/86	Master	FD/88	Master	
C-1422	92 / 96	FD/83	Bendix	FD/84	Bendix	
C-1422	97 /	FD/86	Master	FD/88	Master	3° eixo FD/88
C-1514	85 / 86	FD/83	Bendix	4515-G	Bendix	
C-1516	02 /	FD/87	Master	FD/88	Master	
C-1517	85 / 86	FD/83	Bendix	4515-G	Bendix	
C-1517	12-02 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1521	12-02 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1615	86 / 90	FD/83	Bendix	4515-G	Bendix	
C-1617	92 / 96	FD/85	Bendix	FD/84	Bendix	
C-1617	97 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1617	97 /	FD/87	Master	FD/84	Master	3° eixo 4715
C-1618	86 / 90	FD/83	Bendix	4515-G	Bendix	
C-1618	91 / 96	FD/85	Bendix	FD/84	Bendix	
C-1618	97 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1618	97 /	FD/87	Master	FD/84	Master	3° eixo 4715
C-1619	90 / 97	FD/83	Bendix	4515-G	Bendix	
C-1619	91 / 96	FD/85	Bendix	FD/84	Bendix	
C-1621	97 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1622	92 / 96	FD/85	Bendix	FD/84	Bendix	
C-1622	97 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1622	97 /	FD/87	Master	FD/84	Master	3° eixo 4715
C-1622 GARBAGE	02 /	FD/88	Master	4710	Master	Lixo
C-1630	97 /	FD/87	Master	FD/88	Master	
C-1716	00 /	FD/87	Master	FD/88	Master	
C-1717	01 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1721	01 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1722	97 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1722	97 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-1722	97 /	FD/87	Master	FD/84	Master	3° eixo 4715

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>FORD</b>						
C-1722 GARBAGE	03-02 /	FD/88	Master	4710	Master	Lixo
C-1730	00 /	FD/87	Master	FD/88	Master	
C-1731	03 /	FD/87	Master	FD/88	Master	
C-2217	86 / 90	FD/83	Bendix	4515-G	Bendix	3° eixo 4515-G
C-2218	87 / 90	FD/83	Bendix	4515-G	Bendix	3° eixo 4515-G
C-2218-T	88 / 90	FD/83	Bendix	4515-G	Bendix	3° eixo 4515-G
C-2219	91 / 96	FD/85	Bendix	FD/84	Bendix	3° eixo FD/84
C-2219	90 /	FD/83	Bendix	4515-G	Bendix	3° eixo 4515-G
C-2219-T	90 /	FD/83	Bendix	4515-G	Bendix	3° eixo 4515-G
C-2224	92 / 96	FD/85	Bendix	FD/84	Bendix	
C-2319 6x2	91 / 96	FD/85	Bendix	FD/84	Bendix	3° eixo FD/84
C-2319-T 6x2	91 / 96	FD/85	Bendix	FD/84	Bendix	3° eixo FD/84
C-2322	92 / 96	FD/85	Bendix	FD/84	Bendix	
C-2322 6x2	92 / 96	FD/85	Bendix	FD/84	Bendix	3° eixo FD/84
C-2324	90 / 96	FD/83	Bendix	4515-G	Bendix	3° eixo 4515-G
C-2324 6x4	91 / 97	FD/85	Bendix	FD/84	Bendix	3° eixo FD/84
C-2421 6x2	10-03 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-2422	89 / 91	FD/83	Bendix	4515-G	Bendix	3° eixo 4515-G
C-2422	92 / 96	FD/85	Bendix	FD/84	Bendix	
C-2422	95 / 02	FD/87	Master	FD/88	Master	
C-2422 6x2	10-03 /	FD/87	Master	FD/88	Master	3° eixo FD/88
C-2422 6x4	92 / 95	FD/85	Bendix	FD/84	Bendix	3° eixo FD/84
C-2422 6x4	96 / 02	FD/87	Master	FD/88	Master	
C-2425	95 / 02	FD/87	Master	FD/88	Master	3° eixo FD/88
C-2428	06 /	FD/88	Master	FD/88	Master	
C-2622	02 /	FD/88	Master	FD/88	Master	
C-2625	00 /	FD/87	Master	FD/88	Master	
C-2626	02 /	FD/88	Master	FD/88	Master	
C-2628	02 /	FD/88	Master	FD/88	Master	
C-2630	98 / 04-02	FD/87	Master	FD/88	Master	3° eixo FD/88
C-2630	05-02 /	FD/88	Master	FD/88	Master	
C-2630	98 /	FD/87	Master	FD/84	Master	3° eixo 4715
C-2631	02 /	FD/88	Master	FD/88	Master	
C-2831	11-04 /	FD/88	Master	FD/88	Master	3° eixo FD/88
C-2932	02 /	FD/88	Master	FD/88	Master	3° eixo FD/88
C-3222	01 /	FD/87	Master	FD/88	Master	
C-3224	90 / 97	FD/83	Bendix	4515-G	Bendix	
C-3224	91 / 96	FD/85	Bendix	FD/84	Bendix	
C-3224	97 /	FD/87	Master	FD/88	Master	
C-3530	92 / 97	FD/85	Bendix	FD/84	Bendix	
C-4030	95 / 96	FD/85	Bendix	FD/84	Bendix	
C-4030	97 /	FD/87	Master	FD/88	Master	
C-4031	01 /	FD/87	Master	FD/88	Master	
C-4331	01 /	FD/87	Master	FD/88	Master	
C-4331 MaxTon	03 /	FD/87	Master	FD/88	Master	
C-4331 S	10-04 /	FD/87	Master	FD/88	Master	
C-5032	06 /	FD/88	Master	FD/88	Master	
C-6332 E	11-07 /	FD/88	Master	FD/88	Master	3° eixo FD/88

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>FORD</b>						
C-712-E	07 /	FD/58	Master	FD/58	Master	Freio HD
C-814	96 /	FD/77	Master	FD/77	Master	
C-815	01 /	FD/77	Master	FD/77	Master	
C-815 E	04 /	FD/58	Master	FD/58	Master	Freio HD
C-914	99 /	FD/77	Master	FD/77	Master	
C-915	01 /	FD/77	Master	FD/77	Master	
F-11000	89 / 92	FD/83	Bendix	FD/85	Bendix	
F-12000	87 / 89	FD/83	Bendix	4515-G	Bendix	
F-12000	89 / 92	FD/83	Bendix	FD/84	Bendix	
F-12000	92 / 96	FD/83	Bendix	FD/85	Bendix	
F-12000	97 /	FD/86	Master	FD/87	Master	
F-14000	87 / 89	FD/83	Bendix	4515-G	Bendix	
F-14000	89 / 96	FD/83	Bendix	FD/84	Bendix	
F-14000	97 /	FD/86	Master	FD/88	Master	
F-16000	99 /	FD/87	Master	FD/88	Master	
F-22000	86 / 89	FD/83	Bendix	4515-G	Bendix	3° eixo 4515-G
F-22000	89 / 91	FD/83	Bendix	FD/84	Bendix	3° eixo FD/84
F-250 XL	98 /		Bosch	FD/78		
F-250 XLT	98 / 02		Bosch	FD/78	Bosch Bendix	
F-250 XLT	03 /		Bosch	FD/78	Bendix	
F-350	60 / 66			2042	Bendix	
F-350	62 / 67			2042		
F-350	68 / 71			2042	Bendix	
F-350	98 /		Bosch	FD/78		
F-350	67 /	2137		2137		
F-400	75 / 77		Bendix	FD/72	Bendix	
F-400	92 /			FD/72		
F-4000	75 / 84		Bendix	FD/72	Bendix	
F-4000	85 / 98		Varga	FD/72	Bendix	
F-4000 Turbo	02 /		Bosch	FD/72	Bosch Bendix	
F-600	68 / 69	9220		4596-B		
F-600	70/71	4564-A		9233		
F-600	72 / 87	9232		9233		
F-600	59 / 60	2060				
F-600	60 / 71	2060		4564-A		
F-700	68 / 69	9220		4596-B		
F-700	70 / 71	4564-A		9233		
F-700	72 / 87	9232		9233		
F-7000	82 / 90	9232		9233		
F-900	66 /	2060	Frenaire	4317-G	Frenaire	

<b>GENERAL MOTORS</b>						
A-40	85 / 96		Teves	FD/72	Bendix	
BEDFORD Camión y Omnibus	64 / 68	9220				
BLAZER 4x2 Cap.1000 kg	95 /		Varga	CB/51	Bosch	Roda 6 furos
BLAZER 4x4 Cap.1000 kg	97 / 08-05		Delphi	CB/51	Bosch	Roda 6 furos
BLAZER 4x4 Cap.1000 kg	09-05 /		Varga	CB/51	Bosch	Roda 6 furos
C-30	69 / 77			2042		



Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>GENERAL MOTORS</b>						
C-40	85 / 96		Teves	FD/72	Bendix	
C-60	70 / 78	MB/141		MB/142		Freno a aire
D-11.000	85 / 96	CB/53	Bendix		Bendix	
D-13.000	85 / 87	CB/53	Bendix		Bendix	
D-14.000	87 / 96	CB/53	Bendix		Bendix	
D-19.000	85 / 90	CB/53	Bendix		Bendix	3° eixo CB/54
D-21.000	86 / 90	CB/53	Bendix		Bendix	3° eixo CB/54
D-22.000	85 / 90	CB/53	Bendix		Bendix	3° eixo CB/54
D-40	85 / 96		Teves	FD/72	Bendix	
D-70	85	CB/53	Bendix		Bendix	
D-70	70 / 85			4514-G	Bendix	Freno hidráulico
D-70 (Detroit Diesel)	76 / 85			4514-G		
D-80	85	CB/53	Bendix		Bendix	
D-80 (Diesel Perkins)	82 / 85			4514-G	Bendix	Freno hidráulico
D-80 (Diesel Perkins)		CB/53	Bendix		Bendix	Freno a aire
S-10 4x2	95 /		Varga	CB/51	Bosch	Roda 6 furos
S-10 4x4	97 / 08-05		Delphi	CB/51	Bosch	Roda 6 furos
S-10 4x4	09-05 /		Varga	CB/51	Bosch	Roda 6 furos

<b>GMC</b>						
GMC 12-170	97	FD/86	Master	4707	Master	
GMC 12-170	98 /	FD/83	Bendix	FD/84	Bendix	
GMC 14-190	97	FD/86	Master	4707	Master	
GMC 14-190	98 /	FD/83	Bendix	FD/84	Bendix	
GMC 15-190	97 / 98	FD/86	Master	4707	Master	
GMC 15-190	98 /	FD/85	Bendix	FD/84	Bendix	
GMC 16-220	97	4524-B	Master	4707	Master	
GMC 16-220	98 /	FD/83	Bendix	FD/84	Bendix	
GMC 6.000	93 / 96		Teves	FD/72	Bendix	
GMC 6.100	96 / 01		Teves	FD/72	Bendix	
GMC 6.150	96 / 01		Teves	FD/72	Bendix	

<b>CHEVROLET - UTILITARIOS Y CAMIONES</b>						
6000	93 / 96		Teves	FD/72	Bendix	
11000	85 / 96	CB/53	Bendix		Bendix	Freno a aire
12000	85 / 87	CB/53	Bendix		Bendix	Freno a aire
13000	87 / 96	CB/53	Bendix		Bendix	Freno a aire
19000	85 / 90	CB/53	Bendix		Bendix	3° eixo CB/54
21000	86 / 90	CB/53	Bendix		Bendix	3° eixo CB/54
22000	85 / 90	CB/53	Bendix		Bendix	3° eixo CB/54
12-170	97	FD/86		4707		
12-170	98 /	FD/83		FD/84		
14-190 KODIAK		FD/83		FD/84		
14-190 KODIAK	97	FD/86		4707		
15-190	97 / 98	FD/86		4707		
15-190	98 /	FD/85		FD/84		
16-220	97	4524-B		4707		
16-220		FD/83		FD/84		
350-Diesel 60	67 / 68	9220				
350-Diesel 60	69 / 78	9220		4596-B		

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>GOLIVE</b>						
CARRETA	79 /			CA/32	Master	3 ejos
GOLIVE	79 /			4515-G		2 ejes
GOLIVE	79 /			CA/32		3 ejes

<b>GOTTI</b>						
CARRETA	68 / 99			SV/223		
CARRETA	00 /			4710 CA/33	Master	

<b>GRAHL</b>						
CARRETA	Todos			SV/223 SV/226		

<b>GROSSPAL</b>						
TODOS			Varga	2137		

<b>GUERRA</b>						
3° EIXO	79 / 93			4514-G 4515-G CA/32	Bendix - Master	
3° EIXO	93 /			FD/88	Master	
CARRETA	65 / 78			SV/223 SV/226		
CARRETA	79 / 99			CA/32	Master	
CARRETA	00 /			4710 CA/33	Master	
GUERRA	00 /			4718		

<b>HELVETICA</b>						
HELVETICA	94 /			AC/18		8" Eje Dana-Armetel
HELVETICA	94 /			4551		8 5/8" Eje Propar
HELVETICA				9052		5"
HELVETICA				9251/4		6"
HELVETICA				9251/6		6"
HELVETICA				9251/8		6"
HELVETICA				9532		8"
HELVETICA				4644-A		8" Eje Americano

<b>IDEROL</b>						
CARRETA	/ 79			SV/223 SV/226		
CARRETA	80 / 99			CA/32	Master	3 ejos
IDEROL	/ 79			SV/223		
IDEROL	/ 79			SV/226		
IDEROL	80 /			4514-G		
IDEROL	80 /			4515-G		
IDEROL	80 /			4515-G		1 y 2 ejes
IDEROL	80 /			CA/32		3 ejes
CARRETA	00 /			CA/33	Master	3 ejos

<b>INDECAR</b>						
INDECAR				AC/30		

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>INTERNATIONAL</b>						
4700 4x2	98 /	4524-B	Master	4707	Master	
4900 4x2	98 /	4524-B	Master	4707	Master	
4900 6x4	98 /	4524-B	Master	4707	Master	3° eixo 4707
9200 4x2	98 /	4524-B	Master	4515-G		
9200 6x4	98 /	4524-B	Master	4707	Master	3° eixo 4707
9800 6x4	00 /			4707	Master	3° eixo 4707

<b>IVECO</b>						
150 N/T	93/	FI/119	Fiat	FI/119	Fiat	
190.29 N/T	93/	FI/119	Fiat	FI/119	Fiat	
190.33 N/T	93/	FI/119	Fiat	FI/119	Fiat	
619 NI/TI - 619 N/T	93/	FI/119	Fiat	FI/119	Fiat	
BUS CC 170 E 22	05 /	FD/88	Master	4710	Master	Ônibus
CAVALLINO 180 E 32 T	05-06 /	FD/87	Master	FD/88	Master	
CAVALLINO 450 E 32	05-06 /	FD/87	Master	FD/88	Master	
DAILY 60.12	03 /		Perrot	IV/158	Perrot	
DAILY 70.12	03 /		Perrot	IV/158	Perrot	
DAILY 70.13	06 / 07		Perrot	IV/158	Perrot	
EUROCARGO 120 E 15	98 /	FD/86	Master	FD/87	Master	
EUROCARGO 140 E 18	99 /	FD/86	Master	FD/88	Master	
EUROCARGO 150 E 20	94 /	FD/87	Master	FD/88	Master	
EUROCARGO 160 E 23	94 /	FD/87	Master	FD/88	Master	
EUROCARGO 170 E 21	04 /	FD/87	Master	FD/88	Master	
EUROCARGO 230 E 24	09 /	FD/87	Master	FD/88	Master	
EUROCARGO 320 E 18	99 /	FD/86	Master	FD/88	Master	
EUROCARGO 6X2	05 /	FD/87	Master	FD/88	Master	3° eixo FD/88
EUROTECH 200 E 37	06-05 /	4514-G	Master	CA/32	Master	
EUROTECH 450 E 37 / HR	06-05 /	4514-G	Master	CA/32	Master	
EUROTECH 450 E 41	96 /	4514-G	Master	CA/32	Master	
EUROTECH CURSOR 190 E 31	05-99 /	4514-G	Master	CA/32	Master	Argent.
EUROTECH CURSOR 450 E 31	05-99 /	4514-G	Master	CA/32	Master	Argent.
EUROTRAKKER	05-99 /	4514-G	Master	CA/32	Master	
EUROTRAKKER		IV-161		IV-160	Meritor	Eje Meritor italiano
EUROTRAKKER 200 E 41 H	96 /	4514-G	Master	CA/32	Master	
EUROTRAKKER 450 E 31 T	99 /	4514-G	Master	CA/32	Master	
EUROTRAKKER 450 E 41 HT	96 /	4514-G	Master	CA/32	Master	
EUROTRAKKER CURSOR 190 E 31	99 /	4514-G	Master	CA/32	Master	
SCUDATO 59.12	01 /		Perrot	IV/158	Perrot	
STRALIS 570 S 38T	09 /	4514-G	Master	CA/32	Master	3° eixo CA/33
STRALIS 570 S 42T	09 /	4514-G	Master	CA/32	Master	3° eixo CA/33
STRALIS 570 S 42TZ	07 /	4514-G	Master	CA/32	Master	3° eixo CA/33
STRALIS 6X2	06 /	4514-G	Master	CA/32	Master	3° eixo CA/32-A
STRALIS 6X4 (Italian Axle)	09-07 /	4514-G	Master	CA/32	Master	3° eixo CA/32
STRALIS HD 200 S 38	04 /	4514-G	Master	CA/32	Master	
STRALIS HD 450 S 38	04 /	4514-G	Master	CA/32	Master	
OF-1417	98 /	MB/184	MB	MB/185	MB	



Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>KRONE</b>						
3° EIXO	80 /			4515-G	Bendix	
CARRETA	80 /			CA/32	Master	
<b>MALDONADO (FREPILOCO)</b>						
MALDONADO (FREPILOCO)	94 /			AC/18		
MALDONADO (FREPILOCO)				4311-RA		
MALDONADO (FREPILOCO)				AC/30		
MALDONADO (FREPILOCO)				4644-A		

<b>MAFERSA</b>						
CARRETA	Todos			CA/32	Master	
MAFERSA	Todos			CA/32		
ÔNIBUS	Todos		Bendix	CA/32	Master	

<b>MARCOPOLO</b>						
VOLARE A5	98 /		Varga	FD/72	Bendix	
VOLARE A6	98 /		Varga	FD/72	Bendix	
VOLARE A8	00 /	FD/77	Master	FD/77	Master	
VOLARE A8	00 /	FD/77	Bendix	FD/77	Bendix	
VOLARE W8	02 /	FD/77	Master	FD/77	Master	
VOLARE W8	02 /	FD/59	Master	FD/59	Master	Freio HD
VOLARE W9	02 /	FD/59	Master	FD/59	Master	Freio HD
VOLARE W12	09 /	FD/88	Master	FD/88	Master	

<b>MARINGÁ</b>						
3° EIXO	79 /			4514-G	Bendix	
CARRETA	84 /			CA/32	Master	

<b>MASSARI</b>						
CARRETA	78 /			CA/32	Master	

<b>MATERFER</b>						
Ômnibus		AC/10		AC/11	Eaton	
Ômnibus				4726	Bendix	

<b>MERCEDES-BENZ</b>						
709	88 / 96		Varga	MB/193		
710	90 /		Varga	MB/193		
710	96 /		Varga	MB/193	MB	
712	92 / 94		Varga	MB/193		
912	88 / 96		Varga	MB/193	MB	
914	95 / 98		Varga	MB/193	MB	
1214	91 / 97	MB/182	MB	MB/182	MB	
1214	00 /		Varga	FD/77	Master	
1218	91 / 97	MB/182	MB	MB/182	MB	
1414	91 / 96	MB/183	MB	MB/183	MB	Freno a aire
1418	91 /	MB/183	MB	MB/183	MB	
1418	91 /	MB/183	MB	MB/184	MB	Eixo HL5
1420	02 /	MB/183	MB	MB/183	MB	

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>MERCEDES-BENZ</b>						
1715	93 /	MB/184	MB	MB/184	MB	
1718	91 /	MB/184	MB	MB/184	MB	
1720	97 /	MB/184	MB	MB/184	MB	
1721	92 / 98	MB/184	MB	MB/184	MB	
1723	98 /	MB/184	MB	MB/184	MB	
2038	97 / 98	MB/184	MB	MB/188	MB	Importado
2240	97 / 98	MB/184	MB	MB/188	MB	Importado
2414	92 /	MB/183	MB	MB/183	MB	3° eixo MB/183
2418	92 / 99	MB/183	MB	MB/183	MB	3° eixo MB/183
2428	00 /	MB/184	MB	MB/184	MB	3° eixo MB/184
1114 6x2	95 / 97		Varga	MB/193	MB	3° eixo MB/193
1214-C	97 /	MB/183	MB	MB/183	MB	
1215-C	99 /	MB/183	MB Knorr	MB/183	MB Knorr	
1318 Ônibus	03 /	MB/183	MB	MB/183	MB	Eixo HL4 Eixo HL5
1418-K	91 /	MB/183		MB/184		Freno a aire
1620 6x2	00 /	MB/184	MB	MB/184	MB	3° eixo MB/184
1718-A	98 /	MB/183	MB	MB/184	MB	
1718-K	91 / 93	MB/184		MB/184		Freno a aire
1718-M	97 /	MB/184	MB	MB/184	MB	
1720 6x2	00 /	MB/184	MB	MB/184	MB	3° eixo MB/184
1720 K	00 /	MB/184	MB	MB/184	MB	
1721 S	92 / 98	MB/184	MB	MB/184	MB	
2423 B	98 /	MB/184	MB	MB/184	MB	3° eixo MB/184
2423 K	98 /	MB/184	MB	MB/184	MB	3° eixo MB/184
321-H	/ 64			MB/161		
508 Van Ecovan	91 /		Varga	MB/193		
609 D	91 /		Varga	MB/193		
709 D	91 /		Varga	MB/193		
710 Plus	02 /		Varga	FD/77	Master	
ATEGO 1315	04 /	MB/184	MB	MB/184	MB	
ATEGO 1418	04 /	MB/184	MB	MB/184	MB	
ATEGO 1518	04 /	MB/184	MB	MB/184	MB	
ATEGO 1718	04 /	MB/184	MB	MB/184	MB	
ATEGO 1725	04 /	MB/184	MB	MB/184	MB	
ATEGO 2425	04 /	MB/184	MB	MB/184	MB	
AXOR 2826 6x4	06 /	MB/185	MB	MB/188	MB	3° eixo MB/188
AXOR 2831 6x4	06 /	MB/185	MB	MB/188	MB	3° eixo MB/188
AXOR 3340 6x4	05 /	MB/185	MB	MB/188	MB	3° eixo MB/188
AXOR 3344 6x4	05 /	MB/185	MB	MB/188	MB	3° eixo MB/188
AXOR 4140 6x4	06 /	MB/185	MB	MB/188	MB	3° eixo MB/188
AXOR 4144 6x4	06 /	MB/185	MB	MB/188	MB	3° eixo MB/188
K-1214	91 /	MB/182	MB	MB/182	MB	
K-1414	91 / 96	MB/183	MB	MB/183	MB	
K-1418	91 /	MB/183	MB	MB/183	MB	
K-1718	91 / 93	MB/184	MB	MB/184	MB	
K-1721	91 /	MB/184	MB	MB/184	MB	
L/ LA/ LAK-1317	86 / 90	MB/183	MB	MB/183	MB	Freno a aire
L/ LA/ LAS-1114	/ 83	MB/141	Frenar	MB/142	Frenar	

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>MERCEDES-BENZ</b>						
L/ LA/ LK-1418	89 / 93	<b>MB/183</b>		<b>MB/183</b>		Freno a aire
L/ LB/ LK-2213	83 / 86	<b>MB/183</b>		<b>MB/183</b>		3º eixo MB/183 Freno a aire
L/ LB/ LK-2214	87 / 90	<b>MB/183</b>		<b>MB/183</b>		3º eixo MB/183 Freno a aire
L/ LB/ LK-2215	89 / 90	<b>MB/183</b>		<b>MB/183</b>		3º eixo MB/183 Freno a aire
L/ LB/ LK-2216	83 / 86	<b>MB/183</b>		<b>MB/183</b>		3º eixo MB/183 Freno a aire
L/ LB/ LK-2217	87 / 88	<b>MB/183</b>		<b>MB/183</b>		3º eixo MB/183 Freno a aire
L/ LB/ LK-2219	83 / 86	<b>MB/183</b>		<b>MB/183</b>		3º eixo MB/183 Freno a aire
L/ LB/ LK-2220	87 / 91	<b>MB/183</b>		<b>MB/183</b>		3º eixo MB/183 Freno a aire
L/ LG/ LK/ LS-1519	73 / 82			<b>MB/181</b>		
L/ LK/ LS/ OF-1313	82 / 87	<b>MB/183</b>		<b>MB/183</b>		Freno a aire
L/ LK/ LS/ OH-1316	/ 92			<b>MB/181</b>		
L/ LK/ LS-1113	83 / 86	<b>MB/182</b>		<b>MB/182</b>		Freno a aire
L/ LK/ LS-1114	87 / 89	<b>MB/182</b>		<b>MB/182</b>		Freno a aire
L/ LK/ LS-1516/ 1519	83 / 86	<b>MB/183</b>		<b>MB/184</b>		Freno a aire
L/ LK/ LS-1938/ 1945	92 /	<b>MB/184</b>		<b>MB/185</b>		
L/ LK-1118	87 / 89	<b>MB/182</b>		<b>MB/182</b>		Freno a aire
L/ LK-1214-1215	/ 96	<b>MB/182</b>		<b>MB/182</b>		Freno a aire
L/ LK-1314	87 / 91	<b>MB/183</b>		<b>MB/183</b>		Freno a aire
L/ LK-1316	82 / 86	<b>MB/183</b>		<b>MB/183</b>		Freno a aire
L/ LK-1316/ 1513/ 1516/ 1620/ 1622/ 1633	83 / 93	<b>MB/183</b>		<b>MB/185</b>		Freno volteo corto
L/ LK-1318	87 / 89	<b>MB/183</b>		<b>MB/183</b>		Freno a aire
L/ LK-1513	83 / 86	<b>MB/183</b>		<b>MB/184</b>		Freno a aire
L/ LK-1513, LK-1514, L/ LK-1516	/ 92			<b>MB/181</b>		
L/ LK-1514, LS-1520	87 / 89	<b>MB/183</b>		<b>MB/184</b>		Freno a aire
L/ LK-1517	86	<b>MB/183</b>		<b>MB/184</b>		Freno a aire
L/ LK-1518	87 / 90	<b>MB/183</b>		<b>MB/184</b>		Freno a aire
L/ LK-1520	87 / 91	<b>MB/183</b>		<b>MB/184</b>		Freno a aire
L/ LO-608 D	80 / 92	<b>MB/186</b>		<b>MB/186</b>		Argentino
L/ LS -1526	83 / 93	<b>MB/145</b>	Volteo	<b>MB/146</b>	Volteo	
L/ LS-1112/ 1114		<b>MB/140</b>		<b>MB/140</b>		
L/ LS-1518	/ 92			<b>MB/181</b>		
L/ LS-1924 A	81 / 83	<b>MB/184</b>		<b>MB/185</b>		
L/LA-1116	70 / 82					
L-1113	83 / 86		MB		MB	
L-1114	87 / 89	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
L-1115	87 / 88	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
L-1116	70 / 82		MB		MB	
L-1118	87 / 89	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
L-1214	89 / 96	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
L-1215	83 / 93	<b>MB/183</b>	MB	<b>MB/185</b>	MB	Freno volteo corto
L-1218	89 / 97	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
L-1218	97 /	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
L-1313	70 / 83		MB		MB	
L-1313	83 / 87	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
L-1314	87 / 91	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
L-1314	91 /	<b>MB/184</b>	MB	<b>MB/184</b>	MB	
L-1316	64 / 83		MB	<b>MB/181</b>	MB	
L-1316	70 / 83		MB		MB	



Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>MERCEDES-BENZ</b>						
L-1316	83 / 86	MB/183	MB	MB/183	MB	
L-1317	86 / 90	MB/183	MB	MB/183	MB	
L-1318	87 / 89	MB/183	MB	MB/183	MB	
L-1318	06 /	MB/183	MB		MB	
L-1318	83 / 93	MB/183	MB	MB/185	MB	Freno volteo corto
L-1319	85	MB/183	MB	MB/184	MB	
L-1414	89 / 96	MB/183	MB	MB/183	MB	
L-1418	89 /	MB/183	MB	MB/183	MB	
L-1513	70 / 82		MB	MB/181	MB	
L-1513	83 / 86	MB/183	MB	MB/184	MB	
L-1514	87 / 89	MB/183	MB	MB/184	MB	
L-1516	70 / 83		MB	MB/181	MB	
L-1516	83 / 86	MB/183	MB	MB/184	MB	
L-1517	86	MB/183	MB	MB/184	MB	
L-1518	87 / 90	MB/183	MB	MB/184	MB	
L-1519	73 / 82		MB	MB/181	MB	
L-1519	83 / 86	MB/183	MB	MB/184	MB	
L-1520	87 / 91	MB/183	MB	MB/184	MB	
L-1614	89 / 95		MB	MB/184	MB	
L-1618	89 / 96		MB	MB/184	MB	
L-1620	96 /	MB/184	MB	MB/184	MB	
L-1620 6x2	00 /	MB/184	MB	MB/184	MB	3° eixo MB/184
L-1621	90 / 96	MB/183	MB	MB/184	MB	
L-1622	00 /	MB/184	MB	MB/184	MB	
L-1622 6x2	01 /	MB/184	MB	MB/184	MB	3° eixo MB/184
L-1625	90 / 94	MB/184	MB	MB/184	MB	
L-1625	94 /	MB/184	MB	MB/184	MB	
L-1630	90 /	MB/184	MB	MB/184	MB	Freno a aire
L-1635	94 /	MB/184	MB	MB/184	MB	
L-1714	91 /	MB/184	MB	MB/184	MB	
L-1924-A	81 / 83	MB/184	MB	MB/185	MB	
L-2013	70 / 83		MB		MB	3° eixo MB/180
L-2013	83 / 86	MB/183	MB	MB/183	MB	3° eixo MB/183
L-2013	83 / 93	MB/183	MB	MB/185	MB	Freno volteo corto
L-2014	87 / 90	MB/183	MB	MB/183	MB	3° eixo MB/183
L-2118	91 /	MB/183	MB	MB/183	MB	
L-2213	70 / 83		MB		MB	3° eixo MB/180
L-2213	83 / 93	MB/183	MB	MB/185	MB	Freno volteo corto
L-2213	83 / 86	MB/183	MB	MB/183	MB	3° eixo MB/183
L-2214	87 / 90	MB/183	MB	MB/183	MB	3° eixo MB/183
L-2215	83 / 90	MB/183	MB	MB/183	MB	3° eixo MB/183
L-2216	78 / 83		MB		MB	3° eixo MB/180
L-2216	83 / 86	MB/183	MB	MB/183	MB	3° eixo MB/183
L-2216	83 / 93	MB/183		MB/185		Freno volteo corto
L-2217	87 / 88	MB/183	MB	MB/183	MB	3° eixo MB/183
L-2219	78 / 83		MB		MB	3° eixo MB/180
L-2219	83 / 86	MB/183	MB	MB/183	MB	3° eixo MB/183
L-2220	87 / 91	MB/183	MB	MB/183	MB	3° eixo MB/183

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>MERCEDES-BENZ</b>						
L-2225	89 / 91	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
L-2314	90 / 93	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
L-2318	90 / 99	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
L-2325	90 / 00	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
L-2414	91 /	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
L-2635	93 / 99	<b>MB/184</b>	MB	<b>MB/185</b>	MB	3° eixo MB/185
L-2638	99 /	<b>MB/184</b>	MB	<b>MB/185</b>	MB	3° eixo MB/185
L-312						
L-312	TODOS	<b>MB/155</b>		<b>MB/161</b>		
L-3500						Recto
L-3500		<b>MB/155</b>		<b>MB/161</b>		Curvo
L-608 D	72 / 80	<b>MB/186</b>	MB	<b>MB/186</b>	MB	
L-711 D	88 / 96		Varga	<b>MB/193</b>		
L-809	88 / 96		Varga	<b>MB/193</b>		
L-811	88 / 96		Varga	<b>MB/193</b>		
L-813	90 /		Varga	<b>MB/193</b>		
L-814	88 / 96		Varga	<b>MB/193</b>		
L-913	90 /		Varga	<b>MB/193</b>		
L-914	90 / 95		Varga	<b>MB/193</b>		
L-914		<b>MB/140</b>		<b>MB/140</b>		
LA/ LAK -1418	89 /	<b>MB/182</b>		<b>MB/182</b>		Freno a aire
LA/ LAK-1313 / 1316	82 / 87	<b>MB/182</b>		<b>MB/182</b>		Freno a aire
LA/ LAK-1313 / 1316	82 / 87	<b>MB/182</b>		<b>MB/183</b>		Freno a aire
LA/ LAK-1314 / 1317 / 1318	87 / 90	<b>MB/182</b>		<b>MB/182</b>		Freno a aire
LA/ LAK-1314 / 1317 / 1318	87 / 90	<b>MB/182</b>		<b>MB/183</b>		Freno a aire
LA-1113	83 / 86	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LA-1313	83 / 87	<b>MB/182</b>	MB	<b>MB/183</b>	MB	
LA-1314	87 / 90	<b>MB/182</b>	MB	<b>MB/183</b>	MB	
LA-1316	82 / 90	<b>MB/182</b>	MB	<b>MB/183</b>	MB	
LA-1317	86 / 90		MB	<b>MB/183</b>	MB	
LA-1318	87 / 90	<b>MB/182</b>	MB	<b>MB/183</b>	MB	
LA-1418	89 /	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LAK-1113	83 / 86	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LAK-1313	83 / 87	<b>MB/182</b>	MB	<b>MB/183</b>	MB	
LAK-1314	87 / 90	<b>MB/182</b>	MB	<b>MB/183</b>	MB	
LAK-1316	82 / 90	<b>MB/182</b>	MB	<b>MB/183</b>	MB	
LAK-1317	86 / 90		MB	<b>MB/183</b>	MB	
LAK-1318	87 / 90	<b>MB/182</b>	MB	<b>MB/183</b>	MB	
LAK-1418	89 / 93	<b>MB/182</b>	MB	<b>MB/183</b>	MB	
LAS-1113	83 / 86	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LB/ LK-2318	90 / 93	<b>MB/183</b>		<b>MB/183</b>		3° eixo MB/183 Freno a aire
LB/ LK-2325	90 / 93	<b>MB/183</b>		<b>MB/183</b>		3° eixo MB/183 Freno a aire
LB-2213	83 / 86	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LB-2214	87 / 90	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LB-2215	89 / 90	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LB-2216	83 / 86	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LB-2217	87 / 88	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LB-2219	83 / 86	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>MERCEDES-BENZ</b>						
LB-2220	87 / 91	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LB-2318	90 / 93	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LB-2325	90 / 93	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LB-2423 6x2	95 / 96	<b>MB/184</b>	MB	<b>MB/184</b>	MB	3° eixo MB/184
LG-1519	73 / 83		MB	<b>MB/181</b>	MB	
LG-1825	91 /	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LK-1114	87 / 89	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LK-1115	87 /	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LK-1118	87 / 89	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LK-1214	89 / 93	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LK-1313	83 / 87	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LK-1313	83 / 86	<b>MB/183</b>	MB	<b>MB/184</b>	MB	Eixo HL5
LK-1314	87 / 91	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LK-1314	91 /	<b>MB/184</b>		<b>MB/184</b>		
LK-1316	83 / 86	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LK-1317	86	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LK-1318	87 / 89	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LK-1414	89 / 93	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LK-1418	89 / 93	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LK-1513	70 / 83		MB	<b>MB/181</b>	MB	
LK-1513	83 / 86	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LK-1514	87 / 89	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LK-1516	70 / 83		MB	<b>MB/181</b>	MB	
LK-1516	83 / 86	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LK-1517	86	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LK-1518	87 / 90	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LK-1519	73 / 82		MB	<b>MB/181</b>	MB	
LK-1519	83 / 86	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LK-1520	87 / 90	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LK-1614	90 / 93		MB	<b>MB/184</b>	MB	
LK-1618	89 / 93		MB	<b>MB/184</b>	MB	
LK-1620	00 /	<b>MB/184</b>	MB	<b>MB/184</b>	MB	
LK-1621	90 / 93	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LK-1714	91 /	<b>MB/184</b>	MB	<b>MB/184</b>	MB	
LK-2213	83 / 86	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LK-2214	87 / 90	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LK-2215	89 / 90	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LK-2216	83 / 86	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LK-2217	87 / 88	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LK-2219	83 / 86	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LK-2220	87 / 91	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LK-2318	90 / 93	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LK-2325	90 / 93	<b>MB/183</b>	MB	<b>MB/183</b>	MB	3° eixo MB/183
LK-2420	91 /	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LK-2638	99 /	<b>MB/184</b>	MB	<b>MB/185</b>	MB	3° eixo MB/185
LO-1114	83 / 93	<b>MB/145</b>	Volteo	<b>MB/146</b>	Volteo	
LO-608 D	72 / 80	<b>MB/186</b>	MB	<b>MB/186</b>	MB	
LO-610	02 /		Varga	<b>FD/77</b>	Master	

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>MERCEDES-BENZ</b>						
LO-709	88 /		Varga	<b>MB/193</b>	MB	
LO-712	92 / 94		Varga	<b>MB/193</b>	MB	
LO-712	02 /		Varga	<b>FD/77</b>	Master	
LO-812	88 / 96		Varga	<b>MB/193</b>	MB	
LO-812	02 /		Varga	<b>FD/77</b>	Master	
LO-814	96 / 98		Varga	<b>MB/193</b>	MB	
LO-814	02 /		Varga	<b>FD/77</b>	Master	
LO-912	88 /		Varga	<b>MB/193</b>	MB	
LP/ LPK/ LPO/ LPS-1520	67 / 78			<b>MB/181</b>		
LP-1113	83 / 86	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LP-1520	67 / 78		MB	<b>MB/181</b>	MB	
LP-321	/ 64			<b>MB/161</b>		
LPK-1520	67 / 78		MB	<b>MB/181</b>	MB	
LPO-1113	83 / 86	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LPO-1520	67 / 78		MB	<b>MB/181</b>	MB	
LPS-1520	67 / 78		MB	<b>MB/181</b>	MB	
LS-1113	83 / 86	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LS-1114	87 / 89	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LS-1115	87 /	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LS-1118	87 /	<b>MB/182</b>	MB	<b>MB/182</b>	MB	
LS-1313	83 / 87	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LS-1314	87 / 89	<b>MB/183</b>	MB	<b>MB/183</b>	MB	
LS-1324	76 / 83	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1517	/ 92		MB	<b>MB/181</b>	MB	
LS-1519	73 / 82		MB	<b>MB/181</b>	MB	
LS-1519	83 / 86	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LS-1520	87 / 89	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LS-1524	83 / 87	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LS-1525	88 / 90	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
LS-1625	90 / 96	<b>MB/184</b>	MB	<b>MB/184</b>	MB	
LS-1630	90 / 98	<b>MB/184</b>	MB	<b>MB/184</b>	MB	
LS-1632	98 /	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1634	07	<b>MB/183</b>	MB			
LS-1634	00 /	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1924-A	76 / 83	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1929	76 / 86	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1930	87 / 89	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1932	84 / 86	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1933	87 / 89	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1934	88 / 90	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1935	90 / 98	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-1941	90 / 98	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-2038	96 /	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-2624	79 / 84	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
LS-2635	95 / 99	<b>MB/184</b>	MB	<b>MB/185</b>	MB	3° eixo MB/185
LS-2638	99 /	<b>MB/184</b>	MB	<b>MB/185</b>	MB	3° eixo MB/185
O-140		<b>MB/140</b>	MB	<b>MB/140</b>	MB	
O-170	/ 92		MB	<b>MB/181</b>	MB	

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>MERCEDES-BENZ</b>						
0-321	/ 64		MB	MB/161	MB	
0-326	64 / 78		MB	MB/181	MB	
0-355	73 / 78		MB	MB/181	MB	
0-355	/ 92		MB	MB/181	MB	
0-362	73 / 78		MB	MB/181	MB	
0-362	/ 92		MB	MB/181	MB	
0-364	79 / 85		MB	MB/181	MB	
0-364	85 / 86	MB/190	MB	MB/190	MB	
0-364	85 / 90	MB/190	MB	MB/190	MB	
0-364	/ 92		MB	MB/181	MB	
0-370 R	86	MB/190	MB	MB/191	MB	
0-370 RS	84 / 89	MB/190	MB	MB/191	MB	
0-370 RSD	84 / 88	MB/190	MB	MB/191	MB	Apoio MB/190
0-371 R	87 / 96	MB/190	MB	MB/191	MB	
0-371 RS	87 / 93	MB/190	MB	MB/191	MB	
0-371 RSD	87 / 95	MB/190	MB	MB/191	MB	Apoio MB/190
0-371 RSL	92 / 94	MB/190	MB	MB/191	MB	
0-371 U	87 / 96	MB/190	MB	MB/191	MB	
0-371 U	92 / 95	MB/190	MB	MB/191	MB	Gás
0-371 UL	92 / 95	MB/190	MB	MB/191	MB	
0-371 UP	87 / 96	MB/190	MB	MB/191	MB	
0-373 / 374	92 /	MB/190	MB	MB/191	MB	
0-400 R	95 / 96	MB/190	MB	MB/191	MB	
0-400 RS	95 / 96	MB/190	MB	MB/191	MB	
0-400 RSD	94 /	MB/190	MB	MB/191	MB	Apoio MB/190
0-400 RSE	95 /	MB/190	MB	MB/191	MB	
0-400 RSL	95 / 97	MB/190	MB	MB/191	MB	
0-400 UP	95	MB/190	MB	MB/191	MB	
0-400 UPA	02 /	MB/190	MB	MB/191	MB	Articulado MB/191
0-400 UPA 6x2	98 / 00	MB/190	MB	MB/191	MB	3º eixo MB/191
0-500	01 /	MB/190	MB	MB/191	MB	
0-500 (ARTICULADO)	06 /	MB/190	MB	MB/191	MB	3º eixo MB/188, MB/191
0-550 R 4x2		MB/190	MB	MB/191	MB	
0-550 RS 6x2		MB/190	MB	MB/191	MB	
0-550 RSD 6x2		MB/190	MB	MB/191	MB	3º eixo MB/190
OC/ OF-1214	/ 83	MB/141	Frenar	MB/142	Frenar	
OF-1113	82 / 86	MB/183	MB	MB/183	MB	
OF-1114	87 / 90	MB/183	MB	MB/183	MB	
OF-1115	87 / 92	MB/183	MB	MB/183	MB	
OF-1214	83 / 93	MB/145	Volteo	MB/146	Volteo	
OF-1215	06-93 /	MB/146		MB/191		
OF-1313	83 / 87	MB/183	MB	MB/183	MB	
OF-1314	87 / 89	MB/183	MB	MB/183	MB	
OF-1315	88 / 93	MB/183	MB	MB/183	MB	
OF-1315 / 1318 / 1320	92 /	MB/184	MB	MB/185	MB	
OF-1318	87 / 98	MB/183	MB	MB/183	MB	
OF-1318	95 /	MB/184	MB	MB/185	MB	
OF-1417	98 /	MB/184	MB		MB	

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>MERCEDES-BENZ</b>						
OF-1418	04 /	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
OF-1618	92 / 96	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OF-1620	93 / 98	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OF-1621	97 /	<b>MB/184</b>	MB	<b>MB/185</b>	MB	
OF-1622		<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OF-1721	98 /	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OF-1722	02 /	<b>MB/184</b>	MB	<b>MB/188</b>	MB	Eléctrico
OH-1115-L	00 /		MB	<b>AC/11</b>	MB	
OH-1313	83 / 87	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1314	87 / 90	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1315	87 / 95	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1315 Gas	91 / 95	<b>MB/183</b>	MB	<b>MB/184</b>	MB	Freno a aire
OH-1315/ 1316/ 1320	/ 05-93	<b>MB/146</b>		<b>MB/146</b>		
OH-1315/ 1316/ 1320/ 1420	06-93 /	<b>MB/146</b>		<b>MB/191</b>		
OH-1316	83 / 86	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1318	89 / 96	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1417	03 /	<b>MB/190</b>	MB	<b>MB/191</b>	MB	
OH-1418	03 /	<b>MB/190</b>	MB	<b>MB/191</b>	MB	
OH-1419	79 / 82		MB	<b>MB/181</b>	MB	
OH-1419	83 / 86	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1419 / 1526	83 / 93	<b>MB/183</b>		<b>MB/185</b>		Freno volteo corto
OH-1420	87 / 90	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1420	98 / 03	<b>MB/184</b>	MB		MB	
OH-1420	03 /	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1420/ 1522/ 1526	/ 05-93	<b>MB/146</b>		<b>MB/146</b>		
OH-1421 L	99 / 03	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1517	77 / 82		MB	<b>MB/181</b>	MB	
OH-1517	83 / 86	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1517	/ 92		MB	<b>MB/181</b>	MB	
OH-1518	87 / 90	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1518	07 /	<b>MB/190</b>	MB	<b>MB/191</b>	MB	
OH-1519	/ 92			<b>MB/181</b>		
OH-1520	89 / 93	<b>MB/183</b>	MB	<b>MB/184</b>	MB	
OH-1520, L/ LK-1618	89 / 93	<b>MB/183</b>		<b>MB/184</b>		Freno a aire
OH-1621 L	97 /	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1621 LE	97 / 01	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1621-L Piso Bajo	97 /	<b>AC/10</b>		<b>AC/11</b>		
OH-1623 LG	00 /	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1625 L	93 / 97	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1625 L	96 / 97	<b>MB/184</b>		<b>MB/188</b>		
OH-1628	98 /	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1630	94 /	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1630 L	93 /	<b>MB/184</b>		<b>MB/188</b>		
OH-1635 L	95 /	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1636 L	98 / 99	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1636 L	02 /	<b>MB/190</b>	MB	<b>MB/191</b>	MB	
OH-1721	00 /	<b>MB/184</b>	MB	<b>MB/188</b>	MB	
OH-1721 L SB	97 /	<b>AC/10</b>		<b>AC/11</b>		



Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>MERCEDES-BENZ</b>						
OH-2219	/ 92			MB/181		
OM-326	64 / 78		MB	MB/181	MB	
SPRINTER 310 D	97 / 99		Perrot	MB/157		
<b>METALPI</b>						
3° EIXO	Todos			CA/32	Varga MB Master	
CARRETA	/ 84			SV/226		
CARRETA	84 /			CA/32	Master	
METALPI	Todos					MB/183
METALPI	Todos					4515-G
METALPI	Todos					CA/32
<b>MINUANO</b>						
CARRETA	Todos			SV/223		
<b>MONTENEGRO</b>						
CARRETA				AC/30		
<b>NOMA</b>						
3° EIXO	79 /			4514-G	Bendix	
CARRETA	Todos			CA/32	Master	
<b>PASTRE</b>						
CARRETA	83 /			CA/32	Master	
<b>PRATTI - FRUEHAUF</b>						
PRATTI - FRUEHAUF				MB/142		
PRATTI - FRUEHAUF				AC/30		
<b>PUMA</b>						
914	89 /		Varga	FD/72	Bendix	
CAMINHÃO 4 T	79 / 87			FD/72	Bendix	
<b>RANDON</b>						
3° EIXO	87 /			4514-G	Master	
CARRETA	63 / 87			SV/223 SV/226		
CARRETA	87 / 97			CA/32	Master	
CARRETA	98			4718	Master	
CARRETA	99 /			CA/33	Master	
<b>REFORMAS - CAMIONES Y/O OMNIBUS</b>						
FRENAR MATRIPAR		MB/141		MB/142		
FRENAR MATRIPAR		MB/141		AC/30		
FRENOS OESTE				9507		
<b>RECRUSUL</b>						
CARRETA	/ 78			4515-G		
CARRETA	78 /			CA/32	Master	

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>RENAULT</b>						
MS 300 P		4524-B		4515-G		
<b>RODOVIÁRIA</b>						
3° EIXO	65 /			SV/223 SV/226		
CARRETA	65 / 73			SV/223		
CARRETA	74 /			SV/223 SV/226		
<b>ROSSETTI</b>						
CARRETA	66 /			SV/223		
CARRETA	00 /			CA/32		
<b>SALTO</b>						
SALTO				4311-B-RA		
SALTO				AC/30		
SALTO				CA/32		
<b>SCANIA</b>						
B-100	71 / 76	SV/224	Scania	SV/226	Scania	
B-110	72 / 82	SV/224	Scania	SV/226	Scania	
B-111	76 / 81	SV/224	Scania	SV/226	Scania	
B-76	64 / 71		Scania	SV/223	Scania	3° eixo SV/224
BR-115	75 / 82	SV/224	Scania	SV/226	Scania	
BR-116	76 / 82	SV/224	Scania	SV/226	Scania	
BR-116	90 / 93	SV/224		SV/226		
F-112	83 / 91	SV/224	Scania	SV/226	Scania	
F-112	86 / 91	SV/223	Scania	SV/227	Scania	
F-113	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	
F-113	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	
F-113 H	94 /	SV/228		SV/230		
F-94 4x2	98 /	SV/230	Scania	SV/231	Scania	
K-112	83 / 91	SV/224	Scania	SV/226	Scania	
K-112	86 / 91	SV/223	Scania	SV/227	Scania	
K-112 D / DS	90 / 93	SV/224		SV/226		
K-113	10 /	SV/230	Scania	SV/230	Scania	Ônibus
K-113	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	
K-113	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	
K-113	94 /	SV/228		SV/230		
K-113 T	93 /	SV/228		SV/228		3° eixo SV/228 Llanta artillera
K-113 T	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	3° eixo SV/228 SV/229
K-113 T	93 /			SV/231		3° eixo SV/229 Llanta disco
K-124 4x2	98 /	SV/230	Scania	SV/231	Scania	
K-124 6x2	98 /	SV/230	Scania	SV/231	Scania	3° eixo SV/230
K-94	98 /	SV/230	Scania	SV/231	Scania	Ônibus Rodoviário
KS-140	75 / 78	SV/224	Scania	SV/226	Scania	
KT-112	83 / 91	SV/224	Scania	SV/226	Scania	3° eixo SV/224
KT-112	86 / 91	SV/223	Scania	SV/227	Scania	3° eixo SV/223
KT-113	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	3° eixo SV/223 SV/224
L 111	90 / 93	SV/224		SV/226		

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>SCANIA</b>						
L-100	71 / 76	SV/224	Scania	SV/226	Scania	
L-101	78	SV/224	Scania	SV/226	Scania	
L-110	72 / 82	SV/224	Scania	SV/226	Scania	
L-111	76 / 81	SV/224	Scania	SV/226	Scania	
L-112	90 / 91	SV/223 SV/224	Scania	SV/226 SV/227	Scania	Urbano
L-113	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	Urbano
L-113	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	Urbano
L-141	79 / 81	SV/224	Scania	SV/226	Scania	
L-75	58 / 63		Scania	SV/223	Scania	3º eixo SV/224
L-76	64 / 71		Scania	SV/223	Scania	3º eixo SV/224
L-94 4x2	98 /	SV/230	Scania	SV/231	Scania	Urbano
L-94 IB	00 /	SV/230	Scania	SV/231	Scania	Urbano
L-94 UB	00 /	SV/230	Scania	SV/231	Scania	Urbano
LC-75	90 / 93	SV/224		SV/226		
LK-140	75 / 78	SV/224	Scania	SV/226	Scania	
LKS-141	79 / 81	SV/224	Scania	SV/226	Scania	
LKT-141	79 / 81	SV/224	Scania	SV/226	Scania	
LS-100	71 / 76	SV/224	Scania	SV/226	Scania	
LS-101	78	SV/224	Scania	SV/226	Scania	
LS-110	72 / 82	SV/224	Scania	SV/226	Scania	
LS-111	76 / 81	SV/224	Scania	SV/226	Scania	
LS-76	64 / 71		Scania	SV/223	Scania	3º eixo SV/224
LT-110	72 / 82	SV/224	Scania	SV/226	Scania	
LT-111	76 / 81	SV/224	Scania	SV/226	Scania	
LT-111	90 / 93	SV/224		SV/226		
LT-76	64 / 71		Scania	SV/223	Scania	3º eixo SV/224
P-114 4x2	98 /	SV/230	Scania	SV/231	Scania	
P-114 6x4	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
P-124 4x2	98 /	SV/230	Scania	SV/231	Scania	
P-124 6x2	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
P-124 6x4	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
P-124 8x2	98 /	SV/230	Scania	SV/230	Scania	
P-230	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
P-340 (P,G,R)	07 /	SV/229	Scania	SV/231	Scania	Freio a Tambor Freio a Disco
P-420	06 /	SV/230	Scania	SV/231	Scania	
P-93	95 /	SV/229	Scania	SV/231	Scania	
P-94 4x2	98 /	SV/230	Scania	SV/231	Scania	
P-94 6x2	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
P-94 6x4	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
R-112 E	81 / 91	SV/224	Scania	SV/226	Scania	3º eixo SV/226
R-112 E	90 / 91	SV/223	Scania	SV/227	Scania	3º eixo SV/227
R-112 H	81 / 91	SV/224	Scania	SV/226	Scania	3º eixo SV/226
R-112 H	90 / 91	SV/223	Scania	SV/227	Scania	3º eixo SV/227
R-112 H	90 / 91	SV/223	Scania	SV/227	Scania	
R-112 MA	81 / 84	SV/224	Scania	SV/226	Scania	
R-113	90 / 93	SV/224		SV/226		
R-113 E	93 /	SV/229		SV/231		3º eixo SV/231 Llanta disco
R-113 E	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	3º eixo SV/226 SV/227

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>SCANIA</b>						
R-113 E	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	3º eixo SV/230 SV/231
R-113 H	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	3º eixo SV/226 SV/227
R-113 H	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	3º eixo SV/230 SV/231
R-113 H 4x2	94 /	SV/228		SV/230		
R-114 4x2	98 /	SV/230	Scania	SV/231	Scania	
R-114 6x4	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
R-124 4x2	98 /	SV/230	Scania	SV/231	Scania	
R-124 6x2	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
R-124 6x4	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
R-142 E	81 / 91	SV/224	Scania	SV/226	Scania	3º eixo SV/226
R-142 E	90 / 91	SV/223	Scania	SV/227	Scania	3º eixo SV/227
R-142 H	81 / 91	SV/224	Scania	SV/226	Scania	3º eixo SV/226
R-142 H	90 / 91	SV/223	Scania	SV/227	Scania	3º eixo SV/227
R-143 E	91 / 92	SV/223 SV/224	Scania	SV/226 SV/227	Scania	3º eixo SV/226 SV/227
R-143 H	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	3º eixo SV/226 SV/227
R-143 H	93 / 96	SV/228 SV/229	Scania	SV/230 SV/231	Scania	3º eixo SV/230 SV/231
R-400	06 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
R-94 4x2	98 /	SV/230	Scania	SV/231	Scania	
R-94 6x2	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
R-94 6x4	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
S-112	83 / 91	SV/224	Scania	SV/226	Scania	
S-112	86 / 91	SV/223	Scania	SV/227	Scania	
S-112 (Articulado)	83 / 91	SV/224	Scania	SV/226	Scania	3º eixo SV/226
S-112 (Articulado)	86 / 91	SV/223	Scania	SV/227	Scania	3º eixo SV/227
S-113	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	
S-113	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	
S-113 (Articulado)	91 / 93	SV/224	Scania	SV/226	Scania	3º eixo SV/226
S-113 (Articulado)	91 / 94	SV/223	Scania	SV/227	Scania	3º eixo SV/227
S-113 (Articulado)	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	3º eixo SV/230 SV/231
T-112 E	81 / 91	SV/224	Scania	SV/226	Scania	3º eixo SV/226
T-112 E	90 / 91	SV/223	Scania	SV/227	Scania	3º eixo SV/227
T-112 H	81 / 91	SV/224	Scania	SV/226	Scania	3º eixo SV/226
T-112 H	90 / 91	SV/223	Scania	SV/227	Scania	3º eixo SV/227
T-112 MA	81 / 84	SV/224	Scania	SV/226	Scania	
T-113	90 / 93	SV/224		SV/226		
T-113 E	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	3º eixo SV/226 SV/227
T-113 E	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	3º eixo SV/230 SV/231
T-113 E	94 /	SV/228		SV/230		
T-113 H	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	3º eixo SV/226 SV/227
T-113 H	93 /	SV/228 SV/229	Scania	SV/230 SV/231	Scania	3º eixo SV/230 SV/231
T-113 H	94 /	SV/228		SV/230		
T-113 H	91 / 93	SV/224		SV/226		SV/226 Llanta artillera
T-114 4x2	98 /	SV/230	Scania	SV/231	Scania	
T-114 6x4	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
T-124 4x2	98 /	SV/230	Scania	SV/231	Scania	
T-124 6x2	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
T-124 6x4	98 /	SV/230	Scania	SV/231	Scania	3º eixo SV/231
T-142 E	81 / 91	SV/224	Scania	SV/226	Scania	3º eixo SV/226

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>SCANIA</b>						
T-142 E	90 / 91	SV/223	Scania	SV/227	Scania	3° eixo SV/227
T-142 H	81 / 91	SV/224	Scania	SV/226	Scania	3° eixo SV/226
T-142 H	90 / 91	SV/223	Scania	SV/227	Scania	3° eixo SV/227
T-142 MA	81 / 84	SV/224	Scania	SV/226	Scania	
T-143 E	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	3° eixo SV/226 SV/227
T-143 E	93 / 96	SV/228 SV/229	Scania	SV/230 SV/231	Scania	3° eixo SV/230 SV/231
T-143 H	91 / 93	SV/223 SV/224	Scania	SV/226 SV/227	Scania	3° eixo SV/226 SV/227
T-143 H	93 / 96	SV/228 SV/229	Scania	SV/230 SV/231	Scania	3° eixo SV/230 SV/231
T-94 4x2	98 /	SV/230	Scania	SV/231	Scania	
T-94 6x2	98 /	SV/230	Scania	SV/231	Scania	3° eixo SV/231
T-94 6x4	98 /	SV/230	Scania	SV/231	Scania	3° eixo SV/231
<b>SCHIFFER</b>						
CARRETA	80 /			4515-G		2 eixos
CARRETA	80 /			CA/32	Master	3 eixos

<b>TATSA</b>						
ÓMNIBUS PUMA D-10.5		AC/11		AC/11	Eaton	
ÓMNIBUS PUMA D-12		AC/10		AC/11	Eaton	
ÓMNIBUS PUMA D-12				4726	Bendix	

<b>VOLKSWAGEN</b>						
D-1400	83 / 85		Varga Master	FI/119	Varga Master	
VW 11.140	87 / 89		Varga Master	FI/119	Varga Master	
VW 11.140	89 / 90	FD/83	Bendix	FD/84	Bendix	
VW 11.140	91 / 93	FD/86	Master	FD/87	Master	
VW 12.140	90 / 91	FD/86	Master	FD/88	Master	
VW 12.140	91 / 96	FD/86	Master	FD/87	Master	
VW 12.140	87 / 89			FI/119	Master	
VW 12.140 H	91 /	FD/86	Master	FD/87	Master	
VW 12.170 BT	97 /	FD/86	Master	FD/87	Master	
VW 13.150	99 /	FD/86	Master	FD/87	Master	
VW 13.170	99 / 02	FD/86	Master	FD/87	Master	
VW 13.180	99 /	FD/86	Master	FD/87	Master	
VW 13.180 Constellation	06 /	FD/87	Master	FD/87	Master	
VW 13.180 Worker	04 / 08	FD/86	Master	FD/87	Master	
VW 13.180 Worker	08 /	FD/87	Master	FD/87	Master	
VW 13.190	99 /	FD/86	Master	FD/87	Master	
VW 14.140	89 / 91	FD/86	Master	FD/88	Master	
VW 14.150	91 / 99	FD/86	Master	FD/88	Master	FD/88
VW 14.170	88 / 89	4524-B	Master	4514-G	Master	
VW 14.170 BT	97 /	FD/86	Master	FD/88	Master	
VW 14.200	91 /	FD/86	Master	FD/88	Master	
VW 14.210	88 / 91	4524-B	Master	4514-G	Master	
VW 14.220	91 / 99	FD/86	Master	FD/88	Master	FD/88
VW 15.160	99 /	FD/86	Master	FD/88	Master	FD/88
VW 15.170	09-99 / 02	FD/86	Master	FD/88	Master	
VW 15.180	09-99 /	FD/86	Master	FD/88	Master	

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
VOLKSWAGEN						
VW 15.180	05 /	FD/88	Master	4710	Master	Ônibus
VW 15.180	00 /	FD/86	Master	FD/88	Master	
VW 15.180 Constellation	06 /	FD/87	Master	FD/88	Master	
VW 15.180 Worker		FD/86	Master	FD/88	Master	
VW 15.180 worker		FD/87	Master	FD/88	Master	
VW 15.190	09-99 /	FD/86	Master	FD/87	Master	
VW 15.190 EOD	07 /	FD/88	Master	4710	Master	Ônibus
VW 16.170	88 / 89	4524-B	Master	4514-G	Master	
VW 16.170	90 / 96	FD/87	Master	FD/88	Master	
VW 16.170	90 / 96	FD/87	Master	FD/88	Master	
VW 16.170 BT	97 / 99	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 16.180 B	93 / 97	FD/87	Master	FD/88	Master	Ônibus
VW 16.200	97 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 16.210	88 / 90	4524-B	Master	4514-G	Master	
VW 16.210 B	98 / 09-00	FD/88	Master	4710	Master	Ônibus
VW 16.210 CO	10-00 / 02	FD/88	Master	4710	Master	
VW 16.210 H	88 / 90	4524-B	Master	4514-G	Master	
VW 16.220	90 / 96	FD/87	Master	FD/88	Master	
VW 16.220	97 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 16.220	90 / 96	FD/87	Master	FD/88	Master	
VW 16.300	96 / 00	FD/87	Master	FD/88	Master	
VW 17.160	99 /	FD/87	Master	FD/88	Master	FD/88 Argentino
VW 17.180 Worker	04 /	FD/87	Master	FD/88	Master	
VW 17.210	09-99 /	FD/87	Master	FD/88	Master	
VW 17.210	09-99 /	FD/88	Master	4710	Master	Lixo
VW 17.210	00 /	FD/87	Master	FD/88	Master	
VW 17.210 OD	09-99 /	FD/88	Master	4710	Master	Ônibus
VW 17.220	09-99 /	FD/87	Master	FD/88	Master	
VW 17.220	09-99 /	FD/88	Master	4710	Master	Lixo
VW 17.220	98 /	FD/87	Master	FD/88	Master	FD/88 Argentino
VW 17.220 Worker	04 /	FD/87	Master	FD/88	Master	
VW 17.220 Worker Tractor	04 /	FD/87	Master	FD/88	Master	
VW 17.230 EOD	07 /	FD/88	Master	4710	Master	Ônibus
VW 17.230 EOD V-TRONIC	07 /	FD/88	Master	4710	Master	Ônibus
VW 17.240	00 /	FD/88	Master	4710	Master	Ômnibus
VW 17.240 OT	00 /	FD/88	Master	4710	Master	Ônibus
VW 17.250	06 /	FD/88	Master	4710	Master	Lixo
VW 17.250 Constellation	06 /	FD/87	Master	FD/88	Master	
VW 17.250 E Worker	04 /	FD/87	Master	FD/88	Master	
VW 17.260 EOT	04 /	FD/88	Master	4710	Master	Ônibus
VW 17.260 EOT V-1	05 /	FD/88	Master	4710	Master	Ônibus
VW 17.300	09-99 / 02	FD/87	Master	FD/88	Master	
VW 17.300/35	99 /	FD/87	Master	FD/88	Master	Argentino
VW 17.300/43	99 /	FD/87	Master	FD/88	Master	FD/88 Argentino
VW 17.310 TITAN	09-99 /	FD/87	Master	FD/88	Master	
VW 17-260 EOT	04 /	FD/88	Master	4710	Master	Ômnibus
VW 18.310	01 /	FD/88	Master	4710	Master	Ônibus
VW 18.310 OT	00 /	FD/88	Master	4710	Master	Ônibus



Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>VOLKSWAGEN</b>						
VW 18.310 TITAN	01 /	FD/87	Master	FD/88	Master	
VW 18.320 EOT	07 /	FD/88	Master	4710	Master	Ônibus
VW 19.320 Constellation	06 /	FD/87	Master	FD/88	Master	
VW 19.370 Constellation	08 /	FD/87	Master	FD/88	Master	
VW 19-320 Constellation	06 /	FD/87	Master	FD/88	Master	
VW 22.140	89 / 90	FD/86	Master	FD/88	Master	
VW 22.140	89 / 90	FD/83	Bendix	FD/84	Bendix	FD/84
VW 22.140	90 / 91	FD/86	Bendix	FD/88	Bendix	FD/88
VW 22.200	90 / 95	FD/87	Master	FD/88	Master	
VW 23.210	01 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 23.220	01 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 23.250 Eletrónico	04 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 23.310 TITAN	01 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 23-310 TITAN	01 /	FD/87	Master	FD/88	Master	3° Eixo FD/88
VW 24.220	95 /	FD/87	Master	FD/88	Master	
VW 24.220	99 /	FD/87	Master	FD/88	Master	Argentino
VW 24.220 6x2 / 6x4	91 /	FD/87	Master	FD/88	Master	FD/88
VW 24.250	90 /	FD/87	Master	FD/88	Master	
VW 24.250	99 /	FD/87	Master	FD/88	Master	Argentino
VW 24.250 6x2 Constellation	06 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 24.250 6x4 Caña	92 /	FD/87	Master	FD/88	Master	FD/88
VW 24.250 E Worker	03 /	FD/87	Master	FD/88	Master	
VW 25.320 6x2 Constellation	08 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 25.370 6x2 Constellation	08 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 26.220	01 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 26.220 Worker	04 /	FD/87	Master	FD/88	Master	
VW 26.260	01 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 26.260	98 /	FD/87	Master	FD/88	Master	Argentino
VW 26.260 E Worker	04 /	FD/87	Master	FD/88	Master	
VW 26.300	09-99 / 01	FD/87	Master	FD/88	Master	
VW 26.310 TITAN	09-99 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 31.260 E Worker	04 /	FD/87	Master	FD/88	Master	
VW 31.310	05 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 31.320	05 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 31.370 6x2 Constellation	08 /	FD/87	Master	FD/88	Master	3° eixo FD/88
VW 35.300	90 /	FD/87	Master	FD/88	Master	FD/88
VW 35.300 CL	97	FD/87	Master	FD/88	Master	
VW 40.300	99 / 02	FD/87	Master	FD/88	Master	
VW 5-140 Delivery	05 /		Varga	FD/72	Bendix	
VW 7-100	99 / 02	FD/77	Master	FD/77	Master	
VW 7-110	03 /	FD/58	Master HD	FD/58	Master HD	
VW 8-100	99	FD/77	Master	FD/77	Master	
VW 8-120	00 / 02	FD/77	Master	FD/77	Master	
VW 8-120	03 /	FD/58	Master HD	FD/58	Master HD	
VW 8-120	03 /	FD/58	Master HD	FD/59	Master HD	Ômnibus
VW 8-120 EOD	06 /	FD/59	Master	FD/59	Master	Ônibus
VW 8-120 OD	03 /	FD/58	Master	FD/59	Master	Ônibus
VW 8-120 Worker	04 /	FD/58 FD/59	Master	FD/58 FD/59	Master	

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>VOLKSWAGEN</b>						
VW 8-140	93 / 00	FD/77	Master	FD/77	Master	
VW 8-150	00 / 02	FD/77	Master	FD/77	Master	
VW 8-150	03 /	FD/77	Master HD	FD/77	Master HD	
VW 8-150	03 /	FD/58	Master HD	FD/59	Master HD	Ómnibus
VW 8-150 Delivery	05 /	FD/58	Master	FD/58	Master	
VW 8-150 Delivery	05 /		Master	FD/58	Master	
VW 8-150 Delivery Plus	04 /	FD/58 FD/59	Master	FD/58 FD/59	Master	
VW 8-150 OD	00 / 02	FD/77	Master	FD/77	Master	Ónibus
VW 8-150 OD	03 /	FD/58	Master	FD/59	Master	Ónibus
VW 8-150 Worker	04 /	FD/58 FD/59	Master	FD/58 FD/59	Master	
VW 9-140	98 / 02	FD/77	Master	FD/77	Master	Argentino
VW 9-150	00 / 02	FD/77	Master	FD/77	Master	
VW 9-150	03 /	FD/58	Master HD	FD/58	Master HD	
VW 9-150	03 /	FD/58	Master HD	FD/59	Master HD	Ónibus
VW 9-150 Delivery	04 /	FD/58 FD/59	Master	FD/58 FD/59	Master	
VW 9-150 E Worker	04 /	FD/58 FD/59	Master	FD/58 FD/59	Master	
VW 9-150 EOD	06 /	FD/59	Master	FD/59	Master	Ónibus
VW 9-150 OD	03 /	FD/58	Master	FD/59	Master	Ónibus
VW B 16.180	93 / 97	FD/87	Master	FD/88	Master	Ónibus
VW B 16.210	98 /	FD/88	Master	4710	Master	Ónibus
VW D 1400	83 / 85			FI/119	Master	
<b>VOLVO</b>						
B-10 M (Articulado)	95 /	VV/288 VV/289	Volvo	VV/290	Volvo	3° eixo e Art. VV/290
B-10 M (Bi-articulado)	98 /	VV/288 VV/289	Volvo	VV/290	Volvo	3° eixo e Art. VV/290
B-10 M 4x2	86 / 96	VV/288	Volvo	VV/290	Volvo	
B-10 M 4x2	89 /	VV/288 VV/289	Volvo	VV/290	Volvo	
B-10 M 6x2	86 /	VV/288 VV/289	Volvo	VV/290	Volvo	3° eixo VV/288 VV/290 Lanta artillera
B-10 R	00 /	VV/289	Volvo	VV/290	Volvo	
B-12	96 /	VV/289	Volvo	VV/290	Volvo	
B-12 ( Importado )	94 / 96	VV/299	Volvo	VV/300	Volvo	3° eixo VV/296
B-58 E 4x2	80 / 98	VV/288	Volvo	VV/289	Volvo	
B-58 E 4x2	89 / 98	VV/288 VV/289	Volvo	VV/290	Volvo	
B-58 E 6x2	80 / 86	VV/288	Volvo	VV/290	Volvo	3° eixo VV/288 VV/290
B-58 M 4x2	89 / 98	VV/288 VV/289	Volvo	VV/289 VV/290	Volvo	
B-7 R	98 /	VV/289	Volvo	VV/290	Volvo	
FH-12 / 380 Globetrotter	98 /	VV/303	Master Z-Cam	VV/304	Master Z-Cam	
FH-12 GLOBETROTTER	98 /	VV/303	Master	VV/304	Master	3° eixo CA/33
FH-12/380 GLOBETROTTER	93 / 98	VV/298	Volvo	VV/300	Volvo	
FH-13 GLOBETROTTER	98 /	VV/303	Master	VV/304	Master	3° eixo CA/33
FM - 440	07 /	VV/303	Master	VV/304	Master	
FM-10	00 /	VV/303	Master Z-Cam	VV/304	Master Z-Cam	
FM-11 370 4x2	08 /	VV/303	Master	VV/304	Master	
FM-11 370 6x2	08 /	VV/303	Master	VV/304	Master	3° eixo CA/33
FM-12	01 /	VV/303	Master	VV/304	Master	
N-10 4x2	81 / 89	VV/288	Volvo	VV/289	Volvo	
N-10 6x4	80 / 89	VV/288	Volvo	VV/289	Volvo	3° eixo VV/289
N-12 4x2	80 / 89	VV/288	Volvo	VV/289	Volvo	

Marca / Modelo	Año	Delantera	Sistema	Trasera	Sistema	Obs.
<b>VOLVO</b>						
N-12 6x2	81 / 89	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/289
N-12 6x4	81 / 89	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/289
NH-12	99 /	<b>VV/303</b>	Master Z-Cam	<b>VV/304</b>	Master Z-Cam	3° eixo CA/33
NL-10 4x2	89 / 93	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	
NL-10 4x2	93 / 98	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/288
NL-10 6x2	90 / 93	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/289
NL-10 6x4	89 / 93	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/289
NL-10 6x4	93 / 98	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/288
NL-12 4x2	89 / 93	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	
NL-12 4x2 EDC	93 /	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/288
NL-12 6x2	89 / 93	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	VV/289
NL-12 6x2	93 / 97	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/288
NL-12 6x4	89 / 93	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/289
NL-12 6x4 EDC	93 /	<b>VV/288</b>	Volvo	<b>VV/289</b>	Volvo	3° eixo VV/288
VM-17 4x2	03 /		Wabco	<b>VV/306</b>	Master	
VM-17 4x2 ( Lixo )	03 /		Wabco	<b>VV/307</b>	Master	
VM-17 4x2 (GARBAGE)	03 /		Wabco	<b>VV/307</b>	Master	
VM-210 4x2 17-ton.	03 /		Wabco	<b>VV/306</b>	Master	
VM-210 4x2 17-ton. (Heavy Duty)	03 /		Wabco	<b>VV/307</b>	Master	
VM-210 6x2 23-ton.	03 /		Wabco	<b>VV/306</b>	Master	3° eixo VV/306
VM-23 6x2	03 /		Wabco	<b>VV/306</b>	Master	3° eixo VV/306
VM-240	03 /		Wabco	<b>VV/306</b>	Master	3° eixo VV/306
VM-260 4x2 17-ton.	03 /		Wabco	<b>VV/306</b>	Master	
VM-260 4x2 17-ton. (Heavy Duty)	03 /		Wabco	<b>VV/307</b>	Master	
VM-260 6x2 23-ton.	03 /		Wabco	<b>VV/306</b>	Master	3° eixo VV/306
VM-260 6x4 23-ton.	06 /	<b>VV/308</b>	Master	<b>VV/306</b>	Master	3° eixo VV/306
VM-310R 6x4 23-ton.	06 /	<b>VV/308</b>	Master	<b>VV/306</b>	Master	3° eixo VV/306

<b>ZANELLO (OMNIBUS)</b>						
URBANO	89 /	<b>9534</b>		<b>9535</b>		

REF.	DIAGRAMA DE AGUJEROS	APLICACIÓN EM LAS MARCAS
2042	01-J	Chevrolet Truck, Dodge Truck, GMC Truck, Jeep, Studebaker
2060	01-K	Chrysler, Divco, Dodge Truck, Ford, Ford Truck
2137	03-D	Ford Truck
4311-B-RA	10-M	Mack Truck
4311-J-RA	09-B	Autocar, Brockway, Chevrolet Truck, Dodge Truck, Eaton Brakes, Ford Truck, GMC Truck, International
4311-RA	10-L	Mack Truck
4317-G	02-F	Chevrolet Truck, Diamond Reo, Eaton Brakes, GMC Truck, White Truck
4514-G	03-V	Autocar, Chevrolet Truck, Dodge Truck, GMC Truck, International, Iveco, Randon, Rockwell Axle
4515-G	03-O	Autocar, Chevrolet Truck, Ford Truck, GMC Truck, International, Mack Truck, Rockwell Axle, Standard Forge
4524-B	03-U	Autocar, Chevrolet Truck, Dodge Truck, Fiat, GMC Truck, International, Mercedes-Benz, Rockwell Axle
4564-A	02-M	Chrysler, Dodge Truck, Ford
4596-B	09-U	Chevrolet Truck, Dodge Truck, Ford Truck, GMC Truck, Int'l Harvester
4644-A	06-Y	DAF, Foden, Seddon Atkinson
4551	08-B	Black Diamond, Dana, Eaton Brakes, Fruehauf, Hobbs, K-B Axle, Lufkin, Rockwell Axle, Standard Forge
4674	11-B	Eaton Brakes
4707	01-R	GM, International, Randon, Rockwell
4710	01-S	
4715	11-F	Rockwell
4718	01-T	Randon, Rockwell
9052	11-V	
9220	11-W	
9232	11-X	
9233	11-Y	
9244	11-Z	
9245	04-B	
9251/4	12-A	
9251/6	12-B	
9251/8	12-C	
9507	12-D	
9532	12-E	
9534	12-C	
9535	04-W	
AC/10	12-F	
AC/11	12-G	Eaton
AC/16	12-H	
AC/17	12-I	
AC/18	12-J	
AC/30	12-K	
CA/32	02-P	Guerra. Iveco. Randon
CA/33	02-Q	Guerra. Randon
CB/51	02-D/02-A	GM
CB/53	02-X	GM
FD/58	02-Z	Agrale. Volkswagen
FD/59	03-A/03-B	Agrale. Volkswagen
FD/72	03-F/03-G	Agrale. Chrysler. Ford. GM. Marcopolo
FD/77	03-J	Agrale. Ford. Marcopolo. Volkswagen

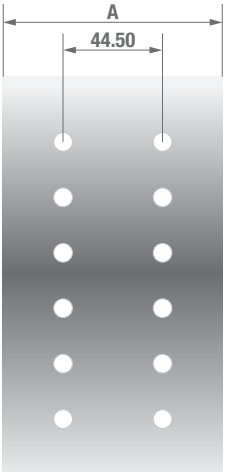
REF.	DIAGRAMA DE AGUJEROS	APLICACIÓN EM LAS MARCAS
FD/78	03-E/03-I	Ford
FD/83	03-N	Ford. GM. Volkswagen
FD/84	03-O	Ford. GM. Volkswagen
FD/85	03-P	Ford. GM
FD/86	03-Q	Ford. GM. Iveco. Volkswagen
FD/87	03-V	Ford. Iveco. Volkswagen
FD/88	03-R	Ford. Guerra. Iveco. Randon. Volkswagen
FI/119	03-V	Volkswagen
IV/158	04-D/04-E	Iveco
MB/140	04-G	Auwarter. Mercedes-Benz
MB/141	03-U	
MB/142	03-U	
MB/145	04-J/06-V	Mercedes-Benz
MB/146	04-K/04-P	
MB/155	04-F	Mercedes-Benz
MB/157	02-D/02-B	Mercedes-Benz
MB/161	04-G	Mercedes-Benz
MB/181	04-I	Mercedes-Benz
MB/182	04-J	Mercedes-Benz
MB/183	04-J	Mercedes-Benz
MB/184	04-K	Mercedes-Benz
MB/185	04-L	Mercedes-Benz
MB/186	04-M/01-G	Mercedes-Benz
MB/188	04-O	Mercedes-Benz
MB/190	04-K/04-P	Mercedes-Benz
MB/191	04-O/04-Q	Mercedes-Benz
MB/193	04-R/04-S	Mercedes-Benz
SV/223	04-U	Guerra. Randon. Scania
SV/224	04-V	Scania
SV/226	04-W	Guerra. Randon. Scania
SV/227	04-X	Scania
SV/228	04-V	Scania
SV/229	04-Y	Scania
SV/230	04-Z	Scania
SV/231	05-A	Scania
VV/288	05-K/05-L	Volvo
VV/289	05-M/05-N	Volvo
VV/290	05-O/05-P	Volvo
VV/296	05-Q	Volvo
VV/298	05-R	Volvo
VV/299	05-S	Volvo
VV/300	05-T	Volvo
VV/303	05-U	Volvo
VV/304	05-V	Volvo
VV/306	03-R	Volvo
VV/307	01-S	Volvo
VV/308	03-V	Volvo

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
2042	2+2	330	13	63.5	2 1/2	6.4	8	9.5	309	340	12	12	01-J

01-J

APLICACIÓN EM LAS MARCAS

Chevrolet Truck, Dodge Truck,  
GMC Truck, Jeep, Studebaker

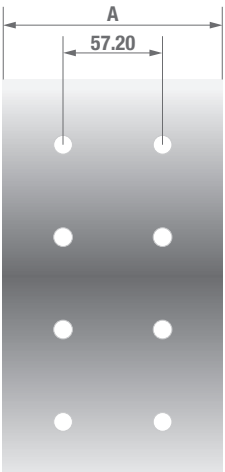


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
2060	2+2	356	14	63.5	2 1/2	6.4	8	9.6	333.8	367.2	12	12	01-K

01-K

APLICACIÓN EM LAS MARCAS

Chrysler, Divco, Dodge Truck, Ford,  
Ford Truck

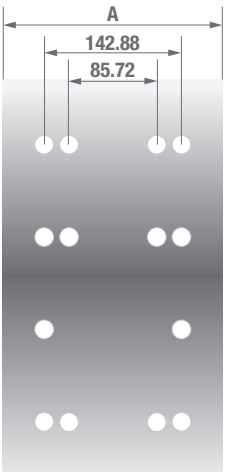


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4707	4+4	419	16 1/2	177.8	7	21.4	23	24.6	189.09	194.64	14	14	01-R

01-R

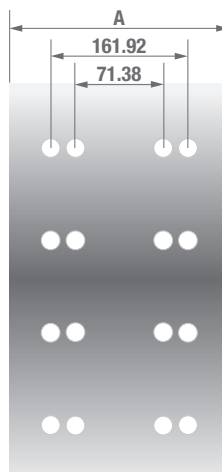
APLICACIÓN EM LAS MARCAS

GM, International, Randon, Rockwell





REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4710	4+4	381	15	219.1	8 5/8	18.97	20.57	22.17	171.2	177.1	16	16	01-S
VV/307	4+4	381	15	219.1	8 5/8	18.97	20.57	22.17	171.2	177.1	16	16	01-S

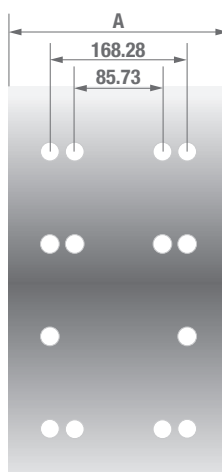


**01-S**

APLICACIÓN EM LAS MARCAS

Volvo

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4718	4+4	419	16 1/2	203.2	8	21.4	22.9	24.4	189.1	194.6	14	14	01-T

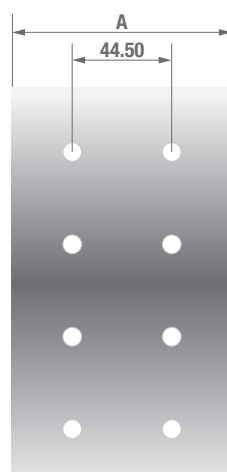


**01-T**

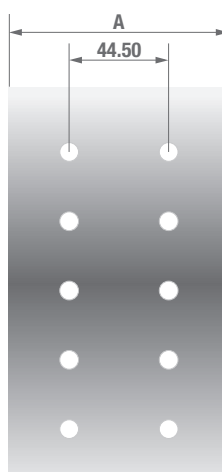
APLICACIÓN EM LAS MARCAS

Randon, Rockwell

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
CB/51	2+2	280	11	63.5	2 1/2	4,50 / 5,80	5,00 / 6,30	-	227.8	292.8	8	10	02-D/02-A



**02-D**



**02-A**

**02-D + 02-A**

APLICACIÓN EM LAS MARCAS

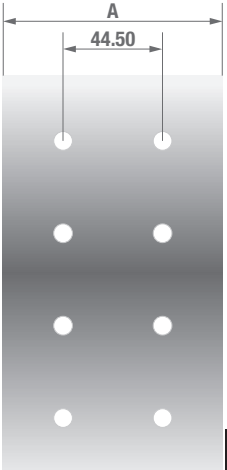
GM

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/157	2+2	280	11	63.5	2 1/2	5,50 / 7,00	6,40 / 7,90	-	228.1	293.2	8	14	02-D/02-B

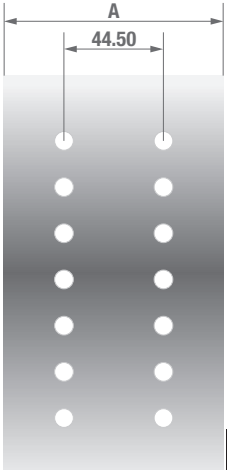
### 02-D + 02-B

APLICACIÓN EM LAS MARCAS

Mercedes-Benz



02-D



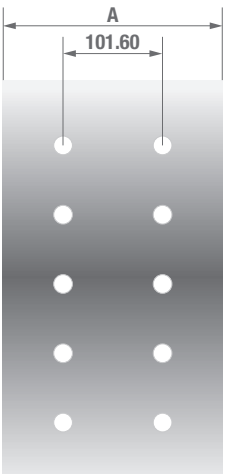
02-B

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4317-G	8	419	16 1/2	152.4	6	18.6	20.1	21.7	196.2	-	10	-	02-F

### 02-F

APLICACIÓN EM LAS MARCAS

Chevrolet Truck, Diamond Reo, Eaton Brakes, GMC Truck, White Truck

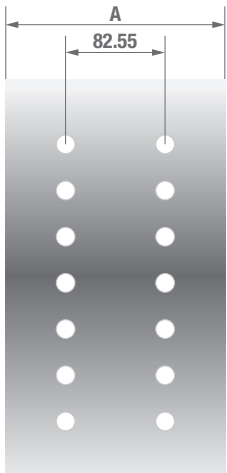


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4564-A	4	381	15	114.3	4 1/2	12.7	14.3	15.9	374.8	-	14	-	02-M

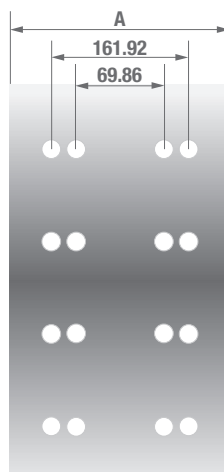
### 02-M

APLICACIÓN EM LAS MARCAS

Chrysler, Dodge Truck, Ford



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
CA/32	4+4	419	16 1/2	203.2	8	18.42	19.94	21.46	189.1	194.6	16	16	02-P

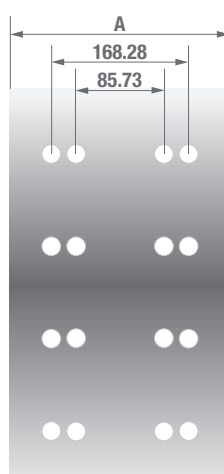


**02-P**

APLICACIÓN EM LAS MARCAS

Guerra. Iveco. Randon

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
CA/33	4+4	419	16 1/2	203.2	8	21.4	22.9	24.4	189.1	194.6	16	16	02-Q

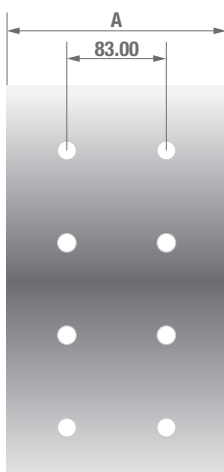


**02-Q**

APLICACIÓN EM LAS MARCAS

Guerra. Randon

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
CB/53	8	394	15 1/2	107.95	4 1/4	18.97	20.57	22.17	178.4	-	8	-	02-X



**02-X**

APLICACIÓN EM LAS MARCAS

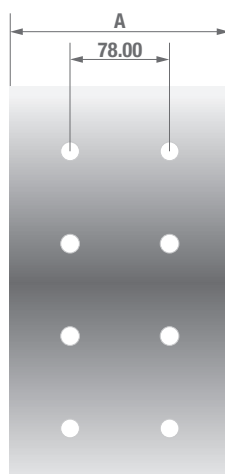
GM

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
FD/58	4+4	325	12 4/5	100	3 8/9	16.25	17.25	18.25	143.6	144.2	8	8	02-Z

**02-Z**

APLICACIÓN EM LAS MARCAS

Agrale. Volkswagen

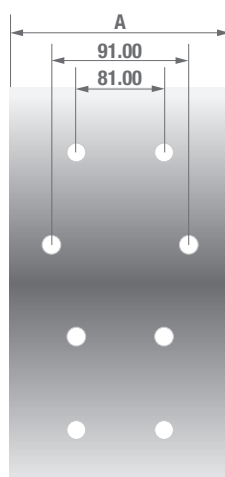


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
FD/59	4+4	325	12 4/5	120	4 5/7	16.25	17.25	18.25	143.6	144.2	8	8	03-A/03-B

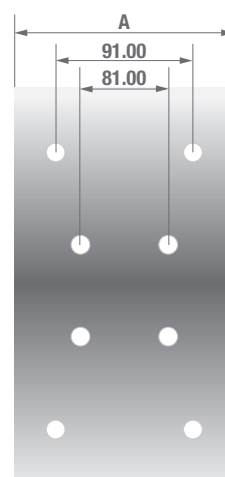
**03-A + 03-B**

APLICACIÓN EM LAS MARCAS

Agrale. Volkswagen



**03-A**



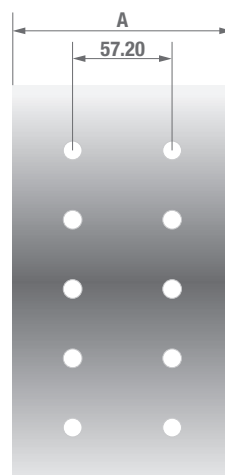
**03-B**

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
2137	2+2	305	12	76.2	3	6.4	8	9.5	283	315.9	10	10	03-D

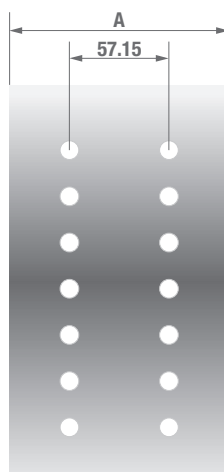
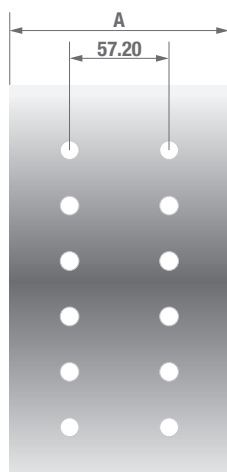
**03-D**

APLICACIÓN EM LAS MARCAS

Ford Truck



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
FD/78	2+2	305	12	76.2	3	4,80 / 6,40	5,60 / 7,20	6,40 / 8,00	283.31	316.29	12	14	03-E/03-I

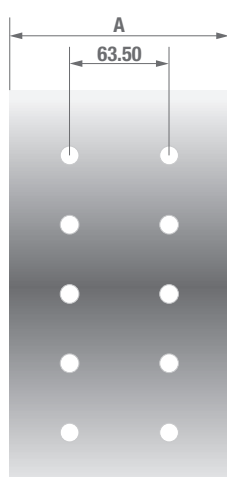


**03-E + 03-I**

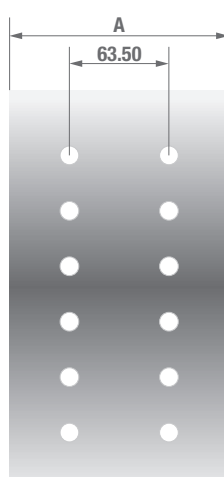
APLICACIÓN EM LAS MARCAS

Ford

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
FD/72	2+2	330	13	88.9	3 1/2	6,40 / 6,80	7,20 / 7,60	8,00 / 8,40	278.1	340	10	12	03-F/03-G



**03-F**



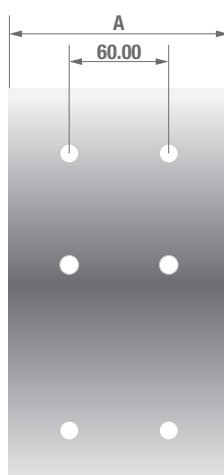
**03-G**

**03-F + 03-G**

APLICACIÓN EM LAS MARCAS

Agrale. Chrysler. Ford. GM. Marcopolo

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
FD/77	4+4	325	12 4/5	99	3 8/9	14.33	15.33	16.33	143.6	144.2	6	6	03-J



**03-J**

APLICACIÓN EM LAS MARCAS

Agrale. Ford. Marcopolo. Volkswagen

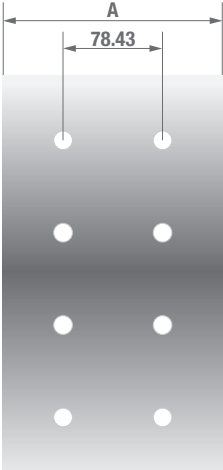


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
FD/83	8	381	15	101.6	4	18.14	19.74	21.3	173.3	-	8	-	03-N

03-N

APLICACIÓN EM LAS MARCAS

Ford. GM. Volkswagen

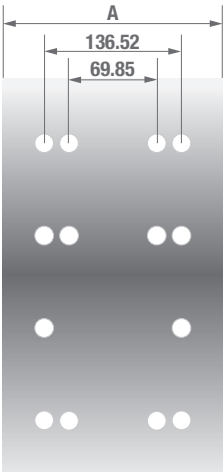


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4515-G	4+4	419	16 1/2	177.8	7	18.42	19.94	21.46	189.1	194.6	14	14	03-0
FD/84	8	381	15	177.8	7	18.14	19.74	21.34	173.3	-	14	-	03-0

03-0

APLICACIÓN EM LAS MARCAS

Autocar, Chevrolet Truck, Ford Truck, GMC Truck, International, Mack Truck, Rockwell Axle, Standard Forge, Ford. GM. Volkswagen

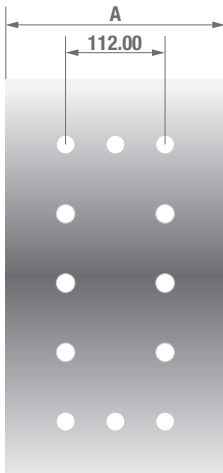


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
FD/85	8	381	15	152.4	6	18.14	19.74	21.34	173.3	-	8	-	03-P

03-P

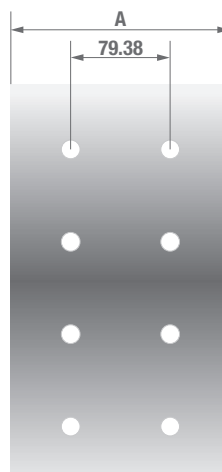
APLICACIÓN EM LAS MARCAS

Ford. GM





REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
FD/86	4+4	381	15	101.6	4	18.97	20.57	22.17	171.2	177.1	8	8	03-Q

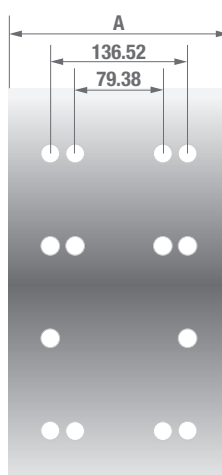


**03-Q**

APLICACIÓN EM LAS MARCAS

Ford. GM. Iveco. Volkswagen

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
FD/88	4+4	381	15	177.8	7	18.97	20.57	22.17	171.2	177.1	14	14	03-R
VV/306	4+4	381	15	177.8	7	18.97	20.57	22.17	171.2	177.1	14	14	03-R



**03-R**

APLICACIÓN EM LAS MARCAS

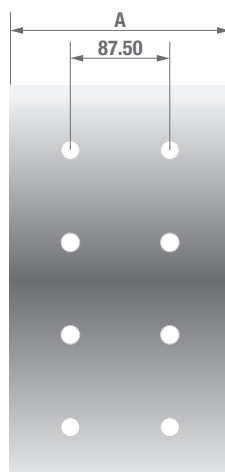
Ford. Guerra. Iveco. Randon.  
Volkswagen, Volvo

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4524-B	4+4	419	16 1/2	127	5	18.42	19.94	21.46	189.1	194.6	8	8	03-U
MB/141	4+4	419	16 1/2	127	5	18	19.1	20.6	189.1	194.6	8	8	03-U
MB/142	4+4	419	16 1/2	152.4	6	18	19.1	20.6	189.1	194.6	8	8	03-U

### 03-U

#### APLICACIÓN EN LAS MARCAS

Autocar, Chevrolet Truck, Dodge Truck, Fiat, GMC Truck, International, Mercedes-Benz, Rockwell Axle

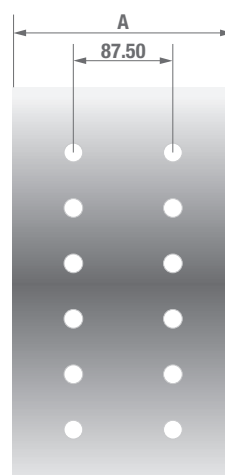


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4514-G	4+4	419	16 1/2	152.4	6	18.42	19.94	21.46	189.1	194.6	12	12	03-V
FD/87	4+4	381	15	152.4	6	18.97	20.57	22.17	171.2	177.1	12	12	03-V
FI/119	4+4	394	15 1/2	152.4	6	20.37	21.97	23.57	171.2	177.1	12	12	03-V
VV/308	04+04	381	15	152.4	6	18,7-9,6/18,8-14,7	-	-	177.1	171.2	12	12	03-V

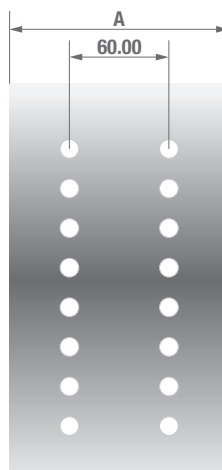
### 03-V

#### APLICACIÓN EN LAS MARCAS

Autocar, Chevrolet Truck, Dodge Truck, GMC Truck, International, Iveco, Randon, Rockwell Axle, Ford, Iveco, Volkswagen, Volvo



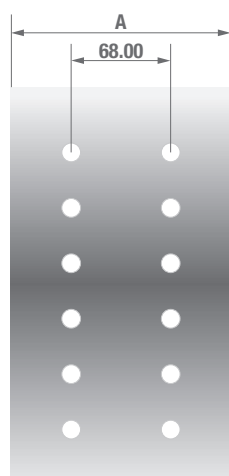
REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9245	8	420	16 5/9	88.9	3 1/2	12	13	14	397.4	-	16	-	04-B



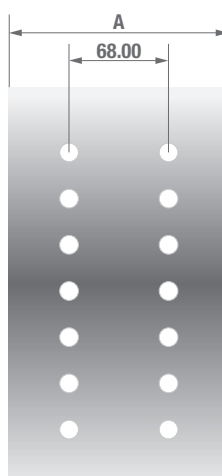
**04-B**

APLICACIÓN EM LAS MARCAS

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
IV/158	02+02	310	12 1/5	100	4	12.6	-	-	236.3	253.6	12	14	04-D/04-E



**04-D**



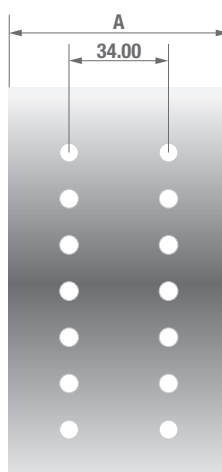
**04-E**

**04-D + 04-E**

APLICACIÓN EM LAS MARCAS

Volvo

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/155	4	400	15 3/4	60	2 3/8	6.5	8	9.5	365.1	-	14	-	04-F



**04-F**

APLICACIÓN EM LAS MARCAS

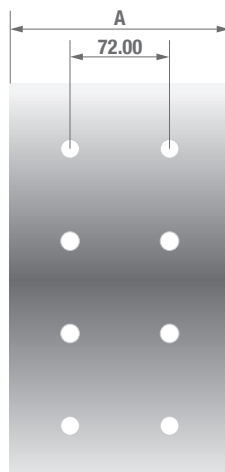
Mercedes-Benz

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/140	8	418	16 4/9	120	4 5/7	15	16	17	213	-	8	-	04-G
MB/161	8	408	16	100	3 8/9	10	11	12	213	-	8	-	04-G

**04-G**

APLICACIÓN EM LAS MARCAS

Auwarter. Mercedes-Benz

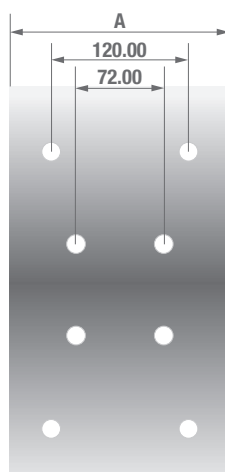


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/181	8	418	16 4/9	160	6 2/7	14.8	15.8	16.8	213	-	8	-	04-I

**04-I**

APLICACIÓN EM LAS MARCAS

Mercedes-Benz

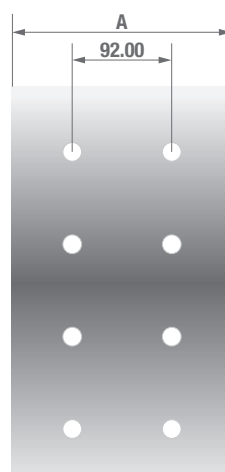


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/182	8	410	16 1/7	120	4 5/7	17	18	19	178	-	8	-	04-J
MB/183	8	410	16 1/7	140	5 1/2	17.8	18.9	20.4	178	-	8	-	04-J

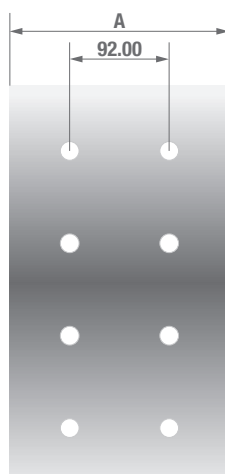
**04-J**

APLICACIÓN EM LAS MARCAS

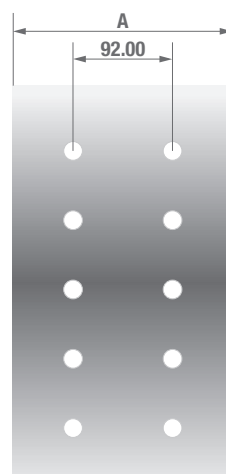
Mercedes-Benz



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/145	4+4	410	16 1/7	140	5 1/2	18	19.1	20.6	173.7	217.1	8	10	04-J/06-V



04-J



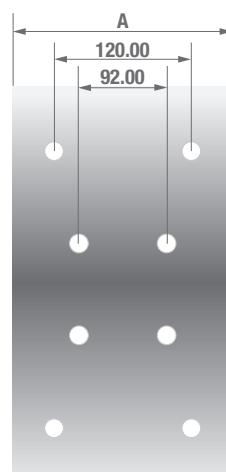
06-V

04-J + 06-V

APLICACIÓN EM LAS MARCAS

Mercedes-Benz

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/184	8	410	16 1/7	160	6 2/7	17.8	18.9	20.4	178	-	8	-	04-K

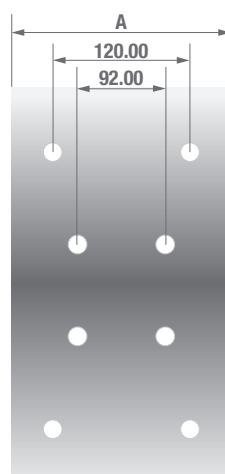


04-K

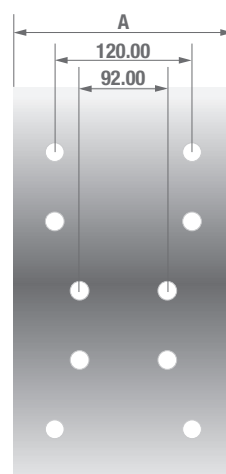
APLICACIÓN EM LAS MARCAS

Mercedes-Benz

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/146	4+4	410	16 1/7	160	6 2/7	18	19.1	20.6	173.7	217.1	8	10	04-K/04-P
MB/190	4+4	410	16 1/7	160	6 2/7	17.7	18.7	19.7	173.7	217.1	8	10	04-K/04-P



04-K



04-P

04-K + 04-P

APLICACIÓN EM LAS MARCAS

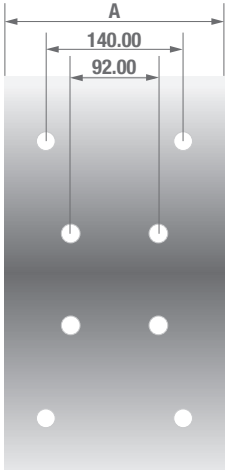
Mercedes-Benz

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/185	8	410	16 1/7	180	7	17	18	19	178	-	8	-	04-L

**04-L**

APLICACIÓN EM LAS MARCAS

Mercedes-Benz

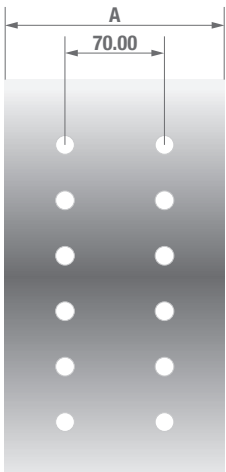


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/186	2+2	300	11 4/5	98	3 6/7	10	11	12	244.3	285.9	12	14	04-M/01-G

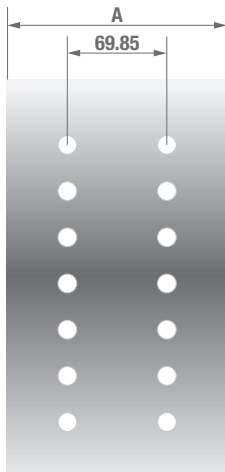
**04-M + 01-G**

APLICACIÓN EM LAS MARCAS

Mercedes-Benz



**04-M**



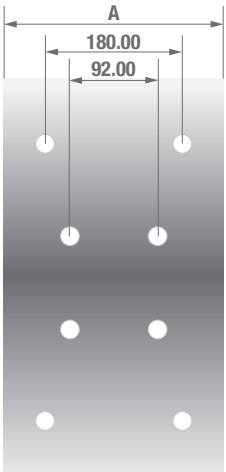
**01-G**

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/188	8	410	16 1/7	220	8 2/3	17	18	19	178	-	8	-	04-0

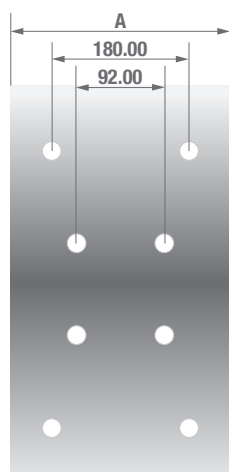
**04-0**

APLICACIÓN EM LAS MARCAS

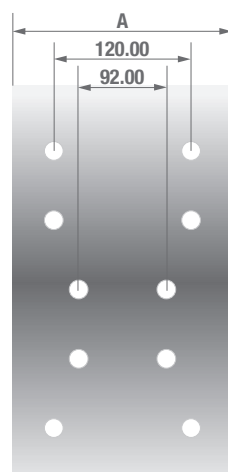
Mercedes-Benz



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/191	4+4	410	16 1/7	220	8 2/3	17.7	18.7	19.7	173.7	217.1	8	10	04-0/04-Q



04-0



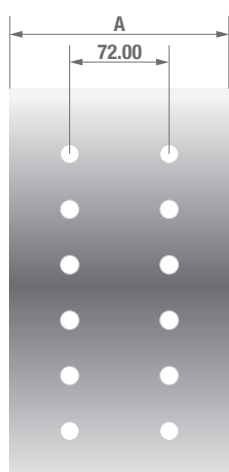
04-Q

04-0 + 04-Q

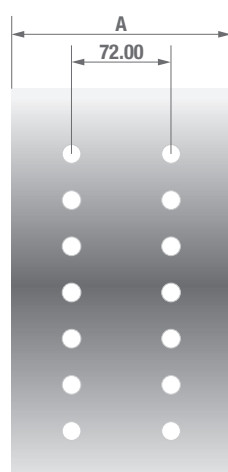
APLICACIÓN EM LAS MARCAS

Mercedes-Benz

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
MB/193	2+2	300	11 4/5	122	4 4/5	9.7	10.2	10.7	237	263.9	12	14	04-R/04-S



04-R



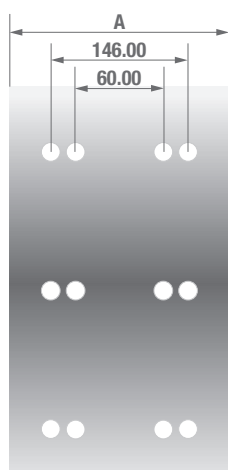
04-S

04-R + 04-S

APLICACIÓN EM LAS MARCAS

Mercedes-Benz

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
SV/223	8	413	16 1/4	178	7	19	20.6	22.2	192.6	-	12	-	04-U



04-U

APLICACIÓN EM LAS MARCAS

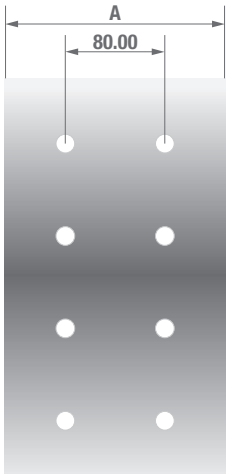
Guerra. Randon. Scania

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
SV/224	8	413	16 1/4	127	5	19	20.6	22.2	192.6	-	8	-	04-V
SV/228	4	413	16 1/4	127	5	19	20	21	235	-	8	-	04-V

04-V

APLICACIÓN EM LAS MARCAS

Scania

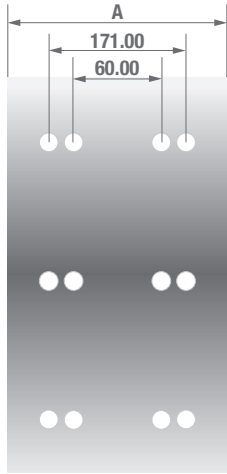


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9535	8	412	16 2/9	216	8 1/2	19	20.6	22.2	192.6	-	12	-	04-W
SV/226	8	413	16 1/4	203	8	19	20.6	22.2	192.6	-	12	-	04-W

04-W

APLICACIÓN EM LAS MARCAS

Guerra. Randon. Scania

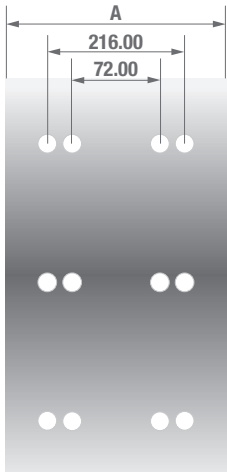


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
SV/227	8	413	16 1/4	254	10	19	20.6	22.2	192.6	-	12	-	04-X

04-X

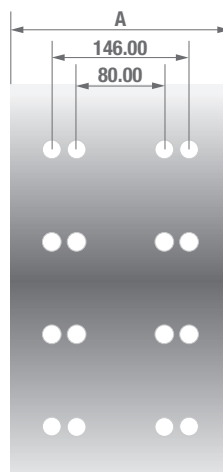
APLICACIÓN EM LAS MARCAS

Scania





REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
SV/229	4	413	16 1/4	178	7	19	20	21	235	-	16	-	04-Y

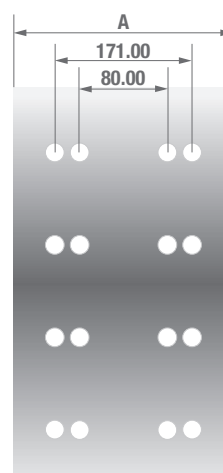


04-Y

APLICACIÓN EM LAS MARCAS

Scania

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
SV/230	4	413	16 1/4	203	8	19	20	21	235	-	16	-	04-Z

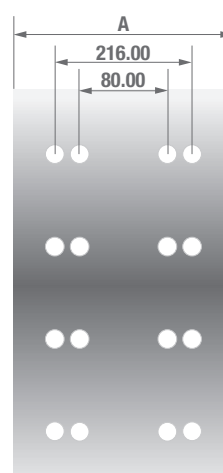


04-Z

APLICACIÓN EM LAS MARCAS

Scania

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
SV/231	4	413	16 1/4	254	10	19	20	21	235	-	16	-	05-A



05-A

APLICACIÓN EM LAS MARCAS

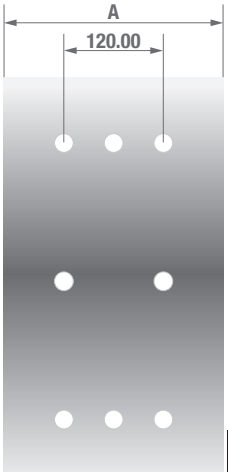
Scania

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
VV/288	4+4	394	15 1/2	152.4	6	19	20.6	22.2	147	192	8	10	05-K/05-L

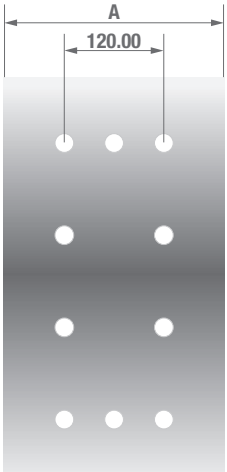
### 05-K + 05-L

APLICACIÓN EM LAS MARCAS

Volvo



05-K



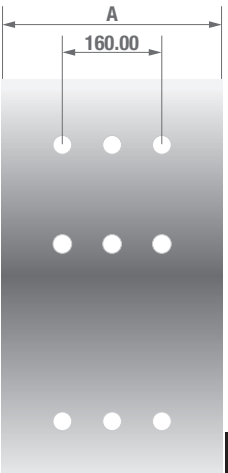
05-L

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
VV/289	4+4	394	15 1/2	203.2	8	19	20.6	22.2	147	192	9	12	05-M/05-N

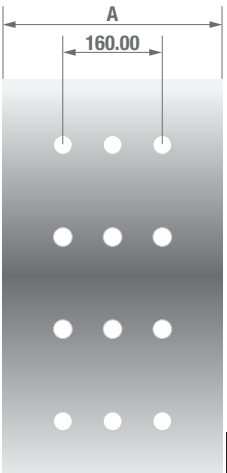
### 05-M + 05-N

APLICACIÓN EM LAS MARCAS

Volvo



05-M



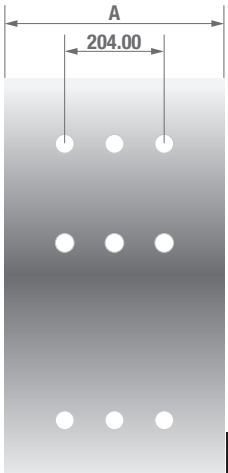
05-N

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
VV/290	4+4	394	15 1/2	254	10	19	20.6	22.2	147	192	9	12	05-O/05-P

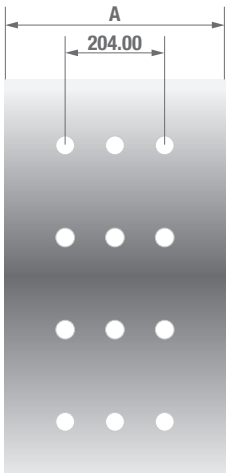
### 05-O + 05-P

APLICACIÓN EM LAS MARCAS

Volvo

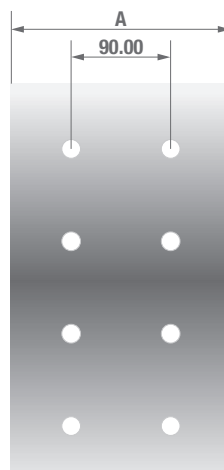


05-O



05-P

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
VV/296	8	410	16 1/7	125	4 8/9	18.2	19.7	21.2	177.2	-	8	-	05-Q

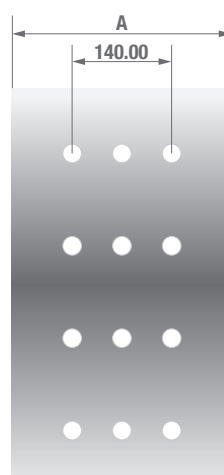


**05-Q**

APLICACIÓN EM LAS MARCAS

Volvo

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
VV/298	8	410	16 1/7	175	6 8/9	18.2	19.7	21.2	177.2	-	12	-	05-R

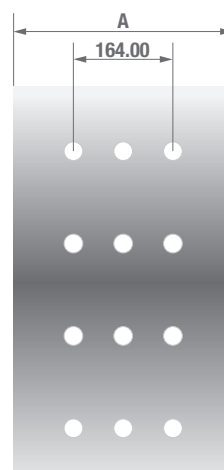


**05-R**

APLICACIÓN EM LAS MARCAS

Volvo

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
VV/299	8	410	16 1/7	200	7 7/8	18.2	19.7	21.2	177.2	-	12	-	05-S



**05-S**

APLICACIÓN EM LAS MARCAS

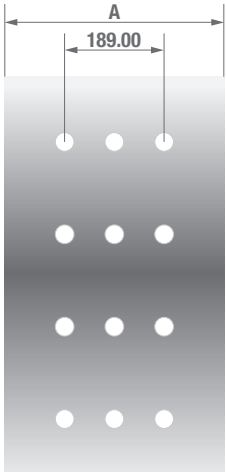
Volvo

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
VV/300	8	410	16 1/7	225.5	8 7/8	18.2	19.7	21.2	177.2	-	12	-	05-T

05-T

APLICACIÓN EM LAS MARCAS

Volvo

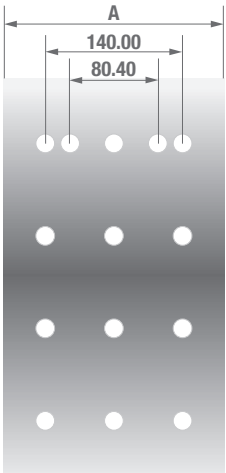


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
VV/303	8	410	16 1/7	173.2	6 5/6	17.86	19.11	20.36	177.15	-	14	-	05-U

05-U

APLICACIÓN EM LAS MARCAS

Volvo

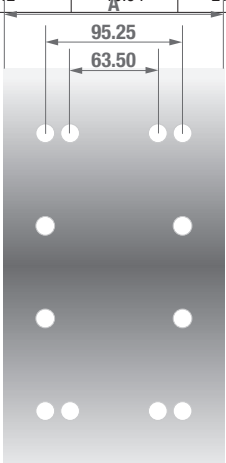


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
VV/304	8	410	16 1/7	198.2	7 4/5	17.86	19.11	20.36	177.15	-	14	-	05-V
4644-A	4+4	419	16 1/2	203.2	8	18.42	19.94	21.46	189.1	194.6	16	16	06-Y

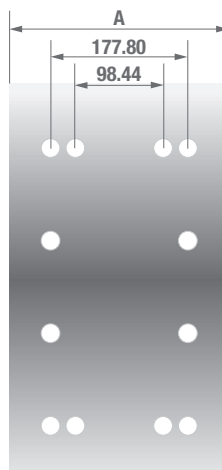
05-Y

APLICACIÓN EM LAS MARCAS

Volvo, DAF, Foden, Seddon Atkinson



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4551	4+4	419	16 1/2	219.1	8 5/8	18.42	19.94	21.46	189.09	194.64	12	12	08-B

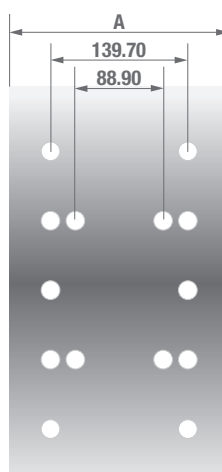


**08-B**

APLICACIÓN EM LAS MARCAS

Black Diamond, Dana, Eaton Brakes, Fruehauf, Hobbs, K-B Axle, Lufkin, Rockwell Axle, Standard Forge

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4311-J-RA	8	419	16 1/2	177.8	7	19.1	20.6	22.2	196.2	-	14	-	09-B

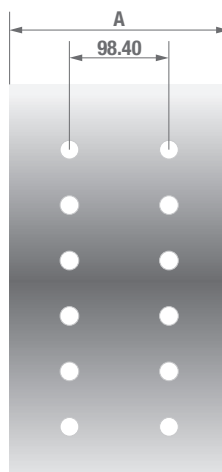


**09-B**

APLICACIÓN EM LAS MARCAS

Autocar, Brockway, Chevrolet Truck, Dodge Truck, Eaton Brakes, Ford Truck, GMC Truck, International

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4596-B	4	381	15	152.4	6	12.7	14.3	15.9	375	-	12	-	09-U



**09-U**

APLICACIÓN EM LAS MARCAS

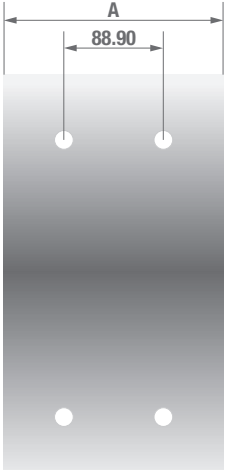
Chevrolet Truck, Dodge Truck, Ford Truck, GMC Truck, Int'l Harvester

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4311-RA	8	419	16 1/2	177.8	7	19.1	20.6	22.2	196.2	-	4	-	10-L

**10-L**

APLICACIÓN EM LAS MARCAS

Mack Truck

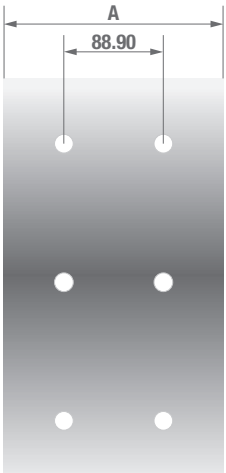


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4311-B-RA	8	419	16 1/2	177.8	7	19.1	20.6	22.2	196.2	-	6	-	10-M

**10-M**

APLICACIÓN EM LAS MARCAS

Mack Truck

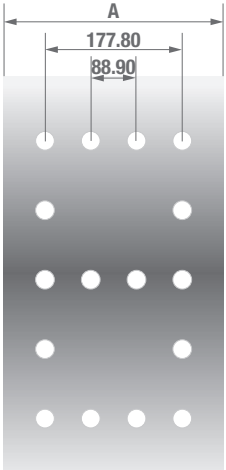


REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4674	8	419	16 1/2	219.1	8 5/8	18.6	20.2	21.8	196.2	-	16	-	11-B

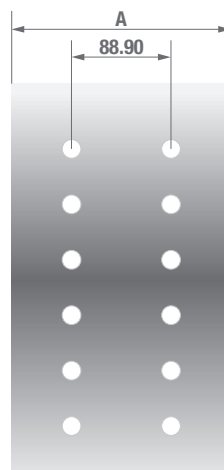
**11-B**

APLICACIÓN EM LAS MARCAS

Eaton Brakes



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
4715	4+4	419	16 1/2	152.4	6	21.4	23	24.6	189.1	194.6	12	12	11-F

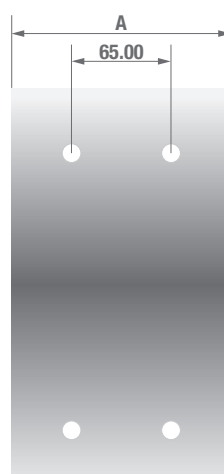


**11-F**

APLICACIÓN EM LAS MARCAS

Rockwell

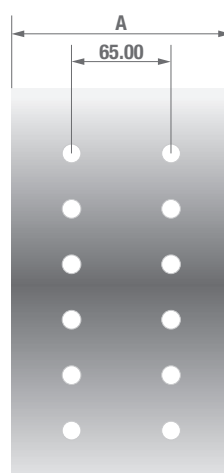
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		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9052	8	419	16 1/2	127	5	19	20.6	22.2	196.2	-	4	-	11-V



**11-V**

APLICACIÓN EM LAS MARCAS

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9220	4	406	16	76.2	3	9.5	11.1	12.7	377.1	-	12	-	11-W



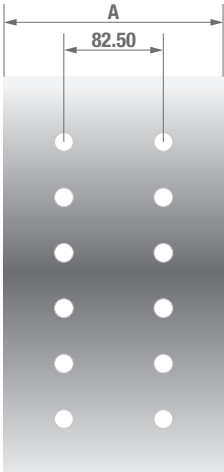
**11-W**

APLICACIÓN EM LAS MARCAS

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9232	4	394	15 1/2	107.8	4 1/4	12.7	14.3	15.9	358.4	-	12	-	11-X

11-X

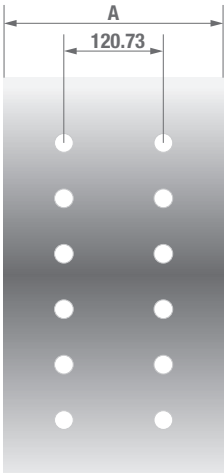
APLICACIÓN EM LAS MARCAS



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9233	4	394	15 1/2	152.4	6	12.7	14.3	15.9	358.4	-	12	-	11-Y

11-Y

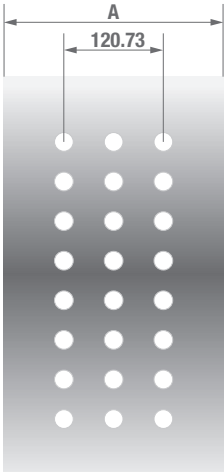
APLICACIÓN EM LAS MARCAS



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9244	4	420	16 5/9	125	4 8/9	12	13	14	397.4	-	24	-	11-Z

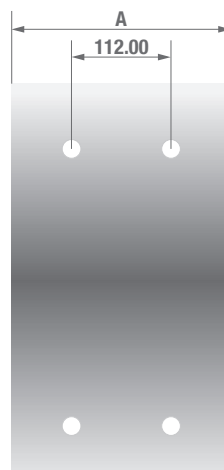
11-Z

APLICACIÓN EM LAS MARCAS





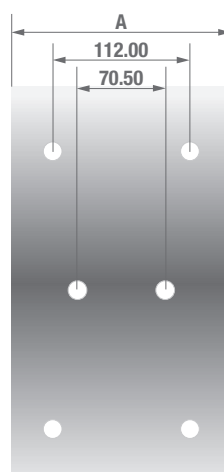
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		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9251/4	8	419	16 1/2	152.4	6	19	20.6	22.2	195.6	-	4	-	12-A



**12-A**

APLICACIÓN EM LAS MARCAS

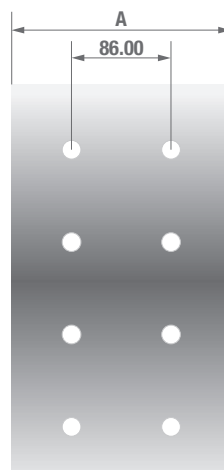
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		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9251/6	8	419	16 1/2	152.4	6	19	20.6	22.2	195.6	-	6	-	12-B



**12-B**

APLICACIÓN EM LAS MARCAS

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9251/8	8	419	16 1/2	152.4	6	19	20.6	22.2	195.6	-	8	-	12-C
9534	8	412	16 2/9	168	6 5/8	19	20.6	22.2	195.8	-	8	-	12-C



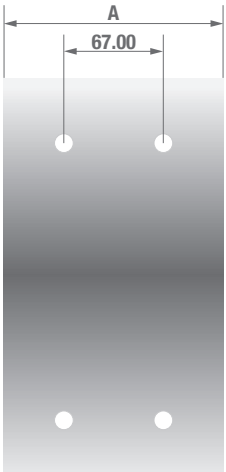
**12-C**

APLICACIÓN EM LAS MARCAS

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9507	8	374	14 3/4	152.4	6	19	20.6	22.2	161.3	-	4	-	12-D

12-D

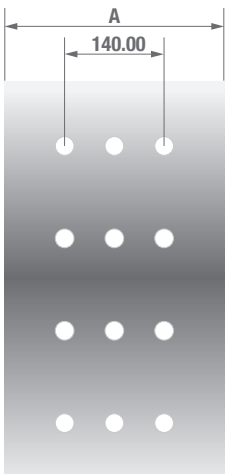
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REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPEJOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
9532	8	394	15 1/2	200	7 7/8	18.92	20.52	22.12	194	-	12	-	12-E

12-E

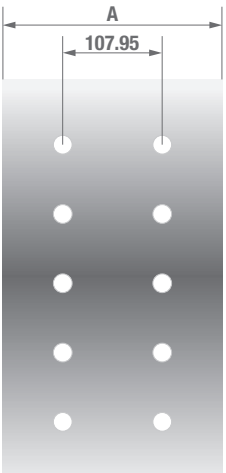
APLICACIÓN EM LAS MARCAS



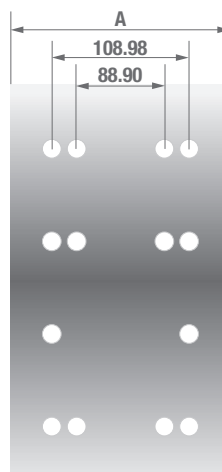
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		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
AC/10	8	381	15	152.4	6	22.02	23.62	25.22	176.8	-	10	-	12-F

12-F

APLICACIÓN EM LAS MARCAS



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
AC/11	8	381	15	219.1	8 5/8	22.02	23.62	25.22	176.8	-	14	-	12-G

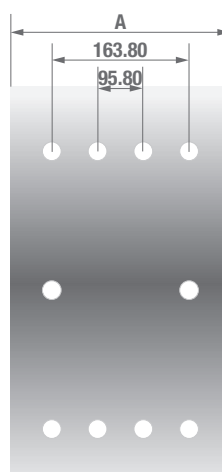


12-G

APLICACIÓN EM LAS MARCAS

Eaton

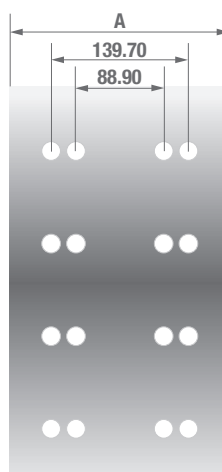
REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
AC/16	4+4	311	12 1/4	195	7 2/3	18.68	20.2	21.72	137.95	143.26	10	10	12-H



12-H

APLICACIÓN EM LAS MARCAS

REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
AC/17	4+4	419	16 1/2	177.8	7	19	20.6	22.2	189.09	194.64	16	16	12-I



12-I

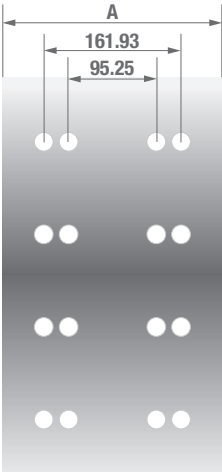
APLICACIÓN EM LAS MARCAS



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
AC/18	4+4	419	16 1/2	203.2	8	18.42	19.94	21.46	189.09	194.64	16	16	12-J

12-J

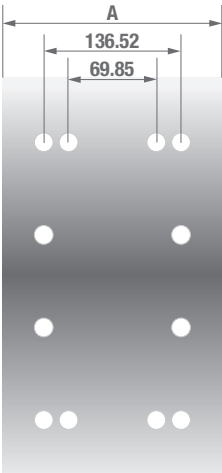
APLICACIÓN EM LAS MARCAS



REF.	PZ / JG	Ø TAMBOR		ANCHO "A"		ESPESOR			DESARROLLO INTERNO		CANTIDAD DE AGUJEROS		DIAGRAMA DE AGUJEROS
		(MM)	(PULG)	(MM)	(PULG)	STD	X	XX	CORTA	LARGA	CORTA	LARGA	
AC/30	4+4	419	16 1/2	177.8	7	19.1	20.6	22.2	189.1	194.6	12	12	12-K

12-K

APLICACIÓN EM LAS MARCAS



Valor da cota "A" ver tabela correspondente nas referências.

<b>4 HOLES 10-L</b> 	<b>4 HOLES 11-V</b> 	<b>4 HOLES 12-A</b> 	<b>4 HOLES 12-D</b> 	
<b>6 HOLES 12-B</b> 	<b>6 HOLES 03-J</b> 	<b>6 HOLES 10-M</b> 		
<b>8 HOLES 01-K</b> 	<b>8 HOLES 02-D</b> 	<b>8 HOLES 02-X</b> 	<b>8 HOLES 02-Z</b> 	<b>8 HOLES 03-A</b> 
<b>8 HOLES 03-B</b> 	<b>8 HOLES 03-N</b> 	<b>8 HOLES 03-Q</b> 	<b>8 HOLES 03-U</b> 	<b>8 HOLES 04-I</b> 

## Dibujos

Valor da cota "A" ver tabela correspondente nas referências.

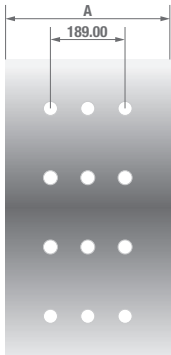
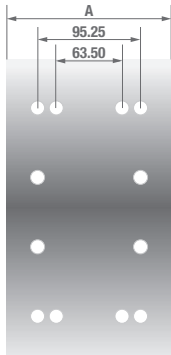
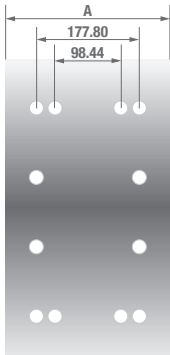
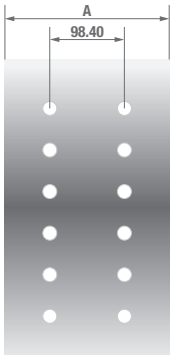
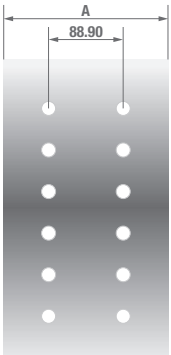
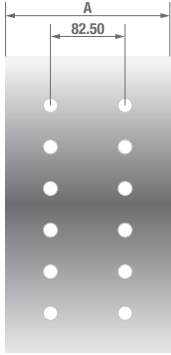
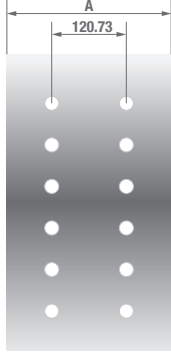
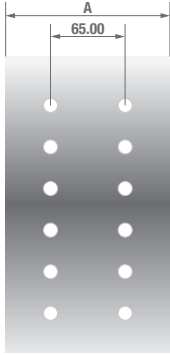
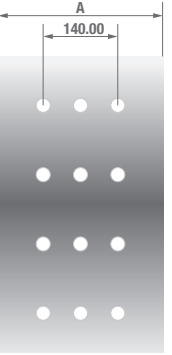
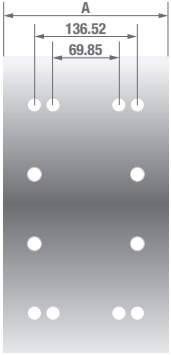
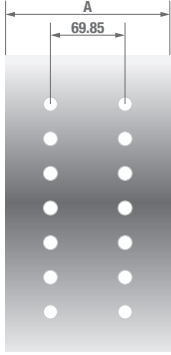
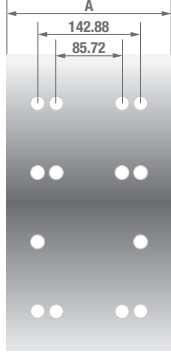
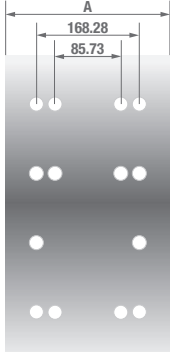
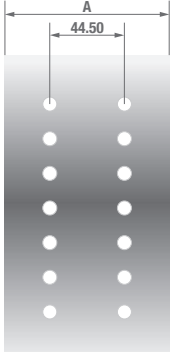
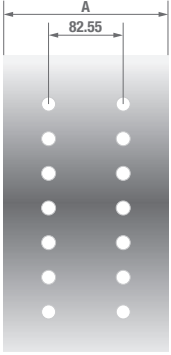
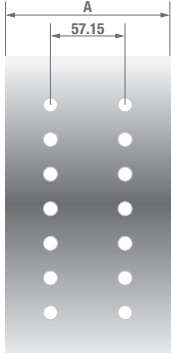
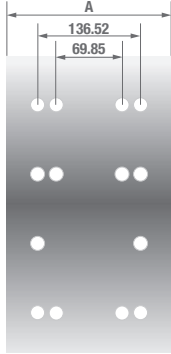
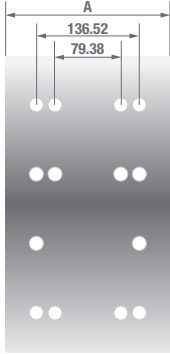
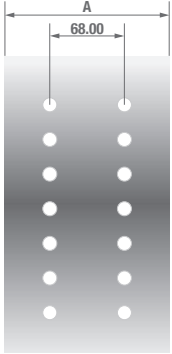
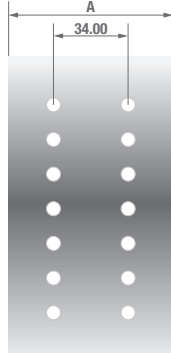
<b>8 HOLES 04-G</b> 	<b>8 HOLES 04-J</b> 	<b>8 HOLES 04-K</b> 	<b>8 HOLES 04-L</b> 	<b>8 HOLES 04-O</b> 
<b>8 HOLES 04-V</b> 	<b>8 HOLES 05-K</b> 	<b>8 HOLES 05-Q</b> 	<b>8 HOLES 12-C</b> 	
<b>9 HOLES 05-M</b> 	<b>9 HOLES 05-O</b> 			
<b>10 HOLES 02-A</b> 	<b>10 HOLES 02-F</b> 	<b>10 HOLES 03-D</b> 	<b>10 HOLES 03-F</b> 	<b>10 HOLES 04-P</b> 

Valor da cota "A" ver tabela correspondente nas referências.

<b>10 HOLES 04-Q</b> 	<b>10 HOLES 05-L</b> 	<b>10 HOLES 06-V</b> 	<b>10 HOLES 12-F</b> 	<b>10 HOLES 12-H</b> 
<b>12 HOLES 01-J</b> 	<b>12 HOLES 03-E</b> 	<b>12 HOLES 03-G</b> 	<b>12 HOLES 03-P</b> 	<b>12 HOLES 03-V</b> 
<b>12 HOLES 04-D</b> 	<b>12 HOLES 04-M</b> 	<b>12 HOLES 04-R</b> 	<b>12 HOLES 04-X</b> 	<b>12 HOLES 04-U</b> 
<b>12 HOLES 04-W</b> 	<b>12 HOLES 05-N</b> 	<b>12 HOLES 05-P</b> 	<b>12 HOLES 05-R</b> 	<b>12 HOLES 05-S</b> 

## Dibujos

Valor da cota "A" ver tabela correspondente nas referências.

<b>12 HOLES 05-T</b> 	<b>12 HOLES 05-Y</b> 	<b>12 HOLES 08-B</b> 	<b>12 HOLES 09-U</b> 	<b>12 HOLES 11-F</b> 
<b>12 HOLES 11-X</b> 	<b>12 HOLES 11-Y</b> 	<b>12 HOLES 11-W</b> 	<b>12 HOLES 12-E</b> 	<b>12 HOLES 12-K</b> 
<b>14 HOLES 01-G</b> 	<b>14 HOLES 01-R</b> 	<b>14 HOLES 01-T</b> 	<b>14 HOLES 02-B</b> 	<b>14 HOLES 02-M</b> 
<b>14 HOLES 03-I</b> 	<b>14 HOLES 03-O</b> 	<b>14 HOLES 03-R</b> 	<b>14 HOLES 04-E</b> 	<b>14 HOLES 04-F</b> 



Valor da cota "A" ver tabela correspondente nas referências.

<b>14 HOLES 04-S</b> 	<b>14 HOLES 05-U</b> 	<b>14 HOLES 09-B</b> 	<b>14 HOLES 12-G</b> 	
<b>16 HOLES 01-S</b> 	<b>16 HOLES 02-P</b> 	<b>16 HOLES 02-Q</b> 	<b>16 HOLES 04-B</b> 	<b>16 HOLES 04-Z</b> 
<b>16 HOLES 04-Y</b> 	<b>16 HOLES 05-A</b> 	<b>16 HOLES 06-Y</b> 	<b>16 HOLES 11-B</b> 	<b>16 HOLES 12-I</b> 
<b>16 HOLES 12-J</b> 		<b>24 HOLES 11-Z</b> 		

# Catalogo de Aplicaciones de Bloques

## Conversión de Bloques de Freno



REF FRAS-LE	BFMC	WVA	FMSI
2042			2042
2060			2060
2137			2137
4311-B-RA			4311-B
4311-J-RA	AX/14/6	19896 00	4311-J
4311-RA			4311
4317-G			4317-G
4514-G			4514-G
4515-G			4515-G
4524-B			4524-B
4551	FU/4/5/1		4551
4564-A			4564-A
4596-B			4596
4644-A	RW/1/2/5	19017/977 00	4644-A
4674			4674
4707			4707
4710			
4715			4715
4718			4718
9052			
9220			
9232			
9233			
9244			
9245			
9251/4			
9251/6			
9251/8			
9507			
9532			
9534			
9535			
AC/10			
AC/11			4717
AC/16			
AC/17			
AC/18			
AC/30			
CA/32			
CA/33			
CB/51			
CB/53			
FD/58			
FD/59			
FD/72			
FD/77			
FD/78			

REF FRAS-LE	BFMC	WVA	FMSI
FD/83			4693
FD/84			
FD/85			
FD/86			4702
FD/87			4704
FD/88			4705
FI/119			
IV/158	PB/23/26/1	17096/099 00	
MB/140	MB/68/1	17298 00	1310
MB/141			
MB/142			
MB/145	MB/82/83/1	17795/796 00	
MB/146			
MB/155	MB/20/1	15090 00	
MB/157			
MB/161	MB/48/1	17059 00	1313
MB/181	MB/66/1	19182 00	1304
MB/182			4697
MB/183	MP/30/1	17683 00	4695
MB/184	MP/31/1	19486 00	4671
MB/185	MP/32/1	19487 00	
MB/186	MB/72/73/1	15580/581 96	1320
MB/188	MP/36/1	19488 00	4672
MB/190	MB/74/75/1	19579/580 00	4656
MB/191	MB/76/77/1	19581/582 00	4657
MB/193	MB/117/118/2	17351/975 04	
SV/223	SV/8/1	19075 00	
SV/224	SV/26/1	17161 00	
SV/226	SV/27/1	19393 00	
SV/227	SV/34/1	19647 00	
SV/228	SV/39/2	17991 00	
SV/229	SV/40/2	19931 00	
SV/230	SV/41/2	19932 00	
SV/231	SV/42/2	19933 00	
VV/288			
VV/289	VL/76/77/1	19562/563 00	4664
VV/290	VL/81/82/1	19799/800 00	4698
VV/296	VL/85/1	17992 00	
VV/298	VL/87/1	19938 00	
VV/299	VL/88/1	19939 00	
VV/300	VL/89/1	19940 00	
VV/303	VL/87/2	19090 00	
VV/304	VL/88/2	19071 00	
VV/306			4705
VV/307			4710
VV/308			4704

### Notas:



Proving Grounds  
Campo de Pruebas



Headquarters - Main Manufacturing Facility - Caxias do Sul - Brazil  
Planta Industrial - Caxias do Sul - Rio Grande do Sul - Brasil



Alabama Manufacturing Facility - United States  
Planta Industrial - Alabama - Estados Unidos

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Manufacturing Facilities  
Parque Industrial

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