

50<sup>+</sup>yıl/years




2015 / 2016 «

**KARDEŞ**

Elektrik Sanayi ve Ticaret A.Ş.

OTO KÖMÜRLERİ VE KÖMÜR YUVALARI  
CARBON BRUSHES AND BRUSH HOLDERS



1960'lı yılların başından beri otomotiv karbon fırça - oto kömür imalatı, Kardeş Elektrik için ana üretim konularından biri olmuştur. Bugün Kardeş Elektrik, Türkiye yedek parça üretici pazarında konusunda lider bir kuruluş olmakla beraber, yurt dışı pazarlarda genişleme faaliyetlerine devam etmektedir. 2007 yılından itibaren, fırça taşıyıcısı, kömür yuvaları da her yıl artacak çeşidi ile bir proje içerisinde üretim programımızda yerini almıştır.

Amacımız, ISO 9001:2008 kalite sistemine inanmış ekibimiz ve tedarikçilerimiz ile teknoloji ve yeni ürünlere yatırımlarımızı devam ettirerek müşteri memnuniyetini devamlı kılmaktır. Bu katalog, otomotiv endüstrisinde kullanılan , karbon fırça- oto kömürü çeşitlerinin büyük kısmını içermektedir. Katalogda yer almayan ürünler için, lütfen bizimle iletişime geçiniz

**Bu katalog Kardeş Elektrik'in yazılı izni olmadan tamamen veya kısmen çoğaltılamaz. Bu katalogda yer alan üretici ve tedarikçi isimleri ve parça numaraları sadece referans amaçlı kullanılmıştır; ancak firmamız yanlışlıklardan sorumlu değildir.**



*Manufacturing and distribution of carbon brushes for automotive industry has been core business for Kardeş Elektrik since early 1960's. Kardeş Elektrik is the leading carbon brush manufacturer in Turkey both in spare parts and OEM markets and continues its activities in various export markets.*

*In 2007, Kardeş Elektrik started manufacturing carbon brush holders and will expand their range continuously.*

*Our target is to continue customer satisfaction with our team and suppliers under ISO 9001:2008 quality management system, while investing in technology as well as new products. This catalogue contains a large portion of carbon brushes for automotive industry; however, for types not listed in this catalogue feel free to contact us.*

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**KÖMÜR YUVALARI / BRUSH HOLDERS****SİPARİŞ KODU / ORDER CODE****BOSCH TİPİ KÖMÜR YUVALARI  
BOSCH TYPE BRUSH HOLDERS**

<b>YENİ - NEW</b>	BO 0751	
<b>YENİ - NEW</b>	BO 1011	8
	BO 1021	
<b>YENİ - NEW</b>	BO 1401	
<b>YENİ - NEW</b>	BO 1431	
	BO 1441	9
	BO 1451	
<b>YENİ - NEW</b>	BO 1491	10
	BO 1511	
	BO 1582	
	BO 1584	11
	BO 1585	
	BO 1586	
	BO 1601	
	BO 1602	12
	BO 1603	
	BO 1621	
	BO 1622	
	BO 1641	13
	BO 1661	
	BO 1662	
	BO 1711	
	BO 1712	14
	BO 1761	
	BO 1762	
	BO 1763	
<b>YENİ - NEW</b>	BO 1771	15
	BO 1851	
	BO 1911	
	BO 1931	16
	BO 1951	
<b>YENİ - NEW</b>	BO 1971	
	BO 1991	
	BO 2011	17
	BO 2012	
	BO 2013	
	BO 2051	
	BO 2111	18
	BO 2131	
	BO 2132	
	BO 2151	
	BO 2171	19

	BO 2191	
	BO 2192	
<b>YENİ - NEW</b>	BO 2281	
<b>YENİ - NEW</b>	BO 2301	20
<b>YENİ - NEW</b>	BO 2302	
<b>YENİ - NEW</b>	BO 2331	
<b>YENİ - NEW</b>	BO 2351	
<b>YENİ - NEW</b>	BO 2441	21

**DELCO REMY TİPİ KÖMÜR YUVALARI  
DELCO REMY TYPE BRUSH HOLDERS**

	DR 1341	
	DR 1342	
<b>YENİ - NEW</b>	DR 1351	22
<b>YENİ - NEW</b>	DR 1352	
<b>YENİ - NEW</b>	DR 4201	23
<b>YENİ - NEW</b>	DR 4581	24

**FIAT TİPİ KÖMÜR YUVALARI  
FIAT TYPE BRUSH HOLDERS**

	FI 1221	
	FI 2731	
	FI 3341	
	FI 3541	25
	FI 5361	26

**FORD TİPİ KÖMÜR YUVALARI  
FORD TYPE BRUSH HOLDERS**

	FO 0681	
	FO 0711	
	FO 0721	
	FO 0731	27
	FO 0751	28

**HITACHI TİPİ KÖMÜR YUVALARI  
HITACHI TYPE BRUSH HOLDERS**

	HI 0811	
	HI 4551	
	HI 4751	
	HI 4752	29
	HI 6371	30



**LUCAS TİPİ KÖMÜR YUVALARI**  
*LUCAS TYPE BRUSH HOLDERS*

LU 0361	
LU 5161	
LU 5162	31

**MAKO MAGNETI MARELLI TİPİ KÖMÜR YUVALARI**  
*MAKO MAGNETI MARELLI TYPE BRUSH HOLDERS*

MA 1221	
MA 3241	
MA 5261	
MA 7281	32

**MITSUBISHI TİPİ KÖMÜR YUVALARI**  
*MITSUBISHI TYPE BRUSH HOLDERS*

MI 0411	
MI 1391	
MI 1701	
MI 1702	33

MI 1711	
MI 2431	
MI 2831	
MI 2832	34

MI 4281	
MI 4282	
MI 6971	
MI 8991	35

**NIPPON DENSO TİPİ KÖMÜR YUVALARI**  
*NIPPON DENSO TYPE BRUSH HOLDERS*

ND 0111	
ND 0521	
ND 0841	36

ND 0851	
ND 0881	37

**YENİ - NEW**

ND 1021	
ND 2011	38

**YENİ - NEW**

ND 7781	39
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**VALEO TİPİ KÖMÜR YUVALARI**  
*VALEO TYPE BRUSH HOLDERS*

VA 1290	
VA 1291	
VA 1330	
VA 1331	40

VA 1441	
VA 1442	
VA 1480	
VA 1491	41

VA 1551	
VA 1571	
VA 1572	
VA 1581	42

VA 1591	
VA 1641	
VA 1642	
VA 1671	43

VA 1672	44
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**KÖMÜR YUVALARI HPI SİSTEM**  
*HPI SYSTEM TYPE BRUSH HOLDERS*

HP 0010	
HP 0011	45

## OTO KÖMÜRLERİ / CARBON BRUSHES

### MARŞ MOTORU KÖMÜRLERİ STARTER BRUSHES

BOSCH	48-70
CAV-CHRYSLER	71
DELCO - REMY	72-79
DUCELLIER	80
FIAT	81-88
FORD	89-90
HITACHI	91-96
LUCAS	97-101
MAKO - MAGNETI MARELLI	102-104
MANDO-MELROE	105
MELCO	106
MITSUBA	107
MITSUBISHI	108-114
NIPPON DENSO	115-121
PAL PARIS RHONE	122-131
VALEO	132

### ALTERNATÖR KÖMÜRLERİ ALTERNATOR BRUSHES

BOSCH	134-139
DELCO-REMY	140-141
FIAT	142-143
FORD	144
HITACHI	145-146
LUCAS	147-149
MITSUBISHI	150-151
NIPPON DENSO	152-153
PAL MAGNETON	154
PAL PARIS RHONE	155-156

### ÇEŞİTLİ KÖMÜRLER MISCELLANEOUS BRUSHES

DİREKSİYON KÖMÜRLERİ / STEERING WHEEL BRUSHES	158
FAN KÖMÜRLERİ / FAN BRUSHES	159-160
KLİMA KÖMÜRLERİ / AIR CONDITION BRUSHES	161-162
SCOOTER VE MOTOSİKLET KÖMÜRLERİ / SCOOTER AND MOTORCYCLE BRUSHES	163-164
YÜKSEK BAKIRLI KÖMÜR / BRUSHES WITH HIGH COPPER DENSITY	165-168
DİĞER KÖMÜRLER / OTHER BRUSHES	169-170

### ÇAPRAZ KARŞILAŞTIRMA LİSTESİ CROSS REFERENCE LIST

	172-189
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## KÖMÜR YUVALARI / *BRUSH HOLDERS*

### ÜRÜN KODLAMA SİSTEMATIĞI / *ABBREVIATIONS*

**BO** **1582**



KONUMLAMA / *POSITIONING*

KÖMÜR REFERANS NO / *BRUSH REFERENCE NUMBER*

ÜRETİCİ REFERANSI / *PRODUCER REFERENCE* **BO**: BOSCH

**DR**: DELCO-REMY

**FI**: FIAT

**FO**: FORD

**HI**: HITACHI

**LU**: LUCAS

**MA**: MARELLI

**MI**: MITSUBISHI

**ND**: NIPPON DENSO

**VA**: VALEO



## OTO KÖMÜRLERİ / *CARBON BRUSHES*

### KISALTMA TANIMLARI / *ABBREVIATIONS*

**H** : 24 VOLT

**O** : PABUÇSUZ / *WITHOUT TERMINAL*

**S** : YAY İLAVELİ / *WITH SPRING*

**V** : DİK BASKI / *VERTICAL PRESSED*

**CU** : BAKIRLI / *HIGH COPPER DENSITY* \*

\*Soğuk iklim ve LPG'li araçlar için / *For cold climates and vehicles with LPG applications*



**KÖMÜR YUVALARI**

***BRUSH HOLDERS***



**BO 0751**
**YENİ - NEW**

**BSX 75**      **7x10x18**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
 2 004 336 021

**MOTOR NO / UNIT NO**

 0 001 207 001,018,208 004,08,25,39-41,44,49,51-54,100  
 101,200-5,6,8-11,13,14,16-21,23-29,32,33,  
 403-409,11-23,25-29,211 200,1,4-9,10,  
 13-25,27-29,33-36,39,41-49,251-55,57-59,  
 86,88,986-93,95-96,97,98

 0 001 212 006-8,11,13,204-14,400-3,213 003,4  
 9 000 142 001-003,14,100-102,333 105,112,115,116,118  
 119

**ARAÇ MODELİ / VEHICLE MODEL**

<b>FORD</b>	<b>GXL 1.1L, 1.3L</b>
<b>OPEL</b>	
<b>MERCEDES</b>	
<b>AGRALE-DEUTZ</b>	4100 ; M70 / 80 / 85 / 90 / 93ID; TX1100,
<b>CHEVROLET- GM</b>	CHEVETTE; HATCH; CHEVY 500; MARAJO, PREMIO / RALLY / SPAZIO; DUNA 60/70/WEEKEND; UNO 1.1/MILLE/ELX/ EP, 147 FIORINO1.5; ELBA 1.5; UNO 1.5/1.6, 147/147 CITY EUROPA /FIORINO / GLS / OGGI / PANORAMA / PICK-UP / ELBA 1.5; PRÊMIO1.5., TEMPRA 2.0 MPI/SPI 16V/ 8V, TEMPRA 2.0 TURBO, TIPO 1.6 i.e.;
<b>FIAT</b>	
<b>FORD</b>	BELLINA 1.8; DEL REY 1.8; PAMPA 1.8 ,ROYALE 1.8 / 2.0; VERSAILLES 1.8 / 2.0, BR 800; TOCANTINS L, TR, SEDAN, SUPERMINI, KARMANNGHIA 1600; SP, 600/1700; VARIANT II, 1600; BRASÍLIA1.3/1.6; FUSCA 1300/1500/1600; 302, 307, 309; GOL 1.8 ; KOMBI 1.6, GOL 1.0; GOL II 1.0i, II / III / 1.6; SAVEIRO 1.6; VOYAGE 1.6, 1.6;SAVEIRO 1.6; VOYAGE 1.5/1.6, QUANTUM 2.0i; SANTANA 2.0i, YANMAR: BT22 / 23 MICROTRATORES CT 11 / TC 11 SUPER,
<b>GURGEL</b>	
<b>VOLKSWAGEN</b>	
<b>LADA</b>	NIVA 1.5 / 1.6; Motores Tiete: 950 / 950 L

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**BO 1011**
**YENİ - NEW**

**BSX 101**      **9x16x18**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**
**MOTOR NO / UNIT NO**

 0 001 362 034-42, 45-53, 57-64, 67, 69-79, 81-83, 98, 99  
 111, 322, 700

 0 001 363 104, 5, 7, 9, 11, 13, 16  
 0 001 366 001 -6, 8-22, 24-29, 46  
 9 000 143 204, 408

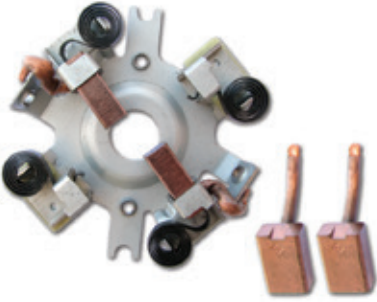
**ARAÇ MODELİ / VEHICLE MODEL**

<b>MERCEDES</b>	
<b>MAGIRIUS</b>	
<b>MASSEY-FERGUSON</b>	
<b>PEUGEOT</b>	504 - 2.3 PICK-UP DIESEL
<b>KAEBLE</b>	3 WT, WTV c/ motor
<b>AUDI</b>	
<b>CASE</b>	
<b>DEUTZ</b>	
<b>IHC</b>	
<b>JOHN DEERE</b>	
<b>KHD</b>	
<b>VOLVO (Diesel)</b>	

**4 KÖMÜRLÜ / WITH 4 BRUSHES**



**BO 1021**



**BSX 102 (BSX 71) 9x16x25,5 12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**  
2 004 336 021

**MOTOR NO / UNIT NO**  
0 001 362 001, 003, 004, 006

**ARAÇ MODELİ / VEHICLE MODEL**  
AUDI  
FIAT  
LAMBORGHINI  
LOMBARDINI  
MASSEY FERGUSON  
MERCEDES  
OPEL  
PEUGEOT

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**BO 1401**

**YENİ - NEW**



**BSX 140/0 7x16x15 12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**  
2 004 336 028, 044, 067

**MOTOR NO / UNIT NO**  
0 001 208 516, 710, 211 514, 312 108, 9, 317 007 -13,  
317 516-19, 22-25  
0 136 300 007

**ARAÇ MODELİ / VEHICLE MODEL**  
OPEL ASTRA, VECTRA  
VOLKSWAGEN TRANSPORTER, GOLF  
DIESEL TURBO, CADDY,  
JETTA, VAUXHALL  
CHEVROLET KADETT  
FORD ESCORT, GRANADA  
AUDI  
CITROEN  
IVECO

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**BO 1431**

**YENİ - NEW**



**BSX 137-143 9x16x17 12 Volt**

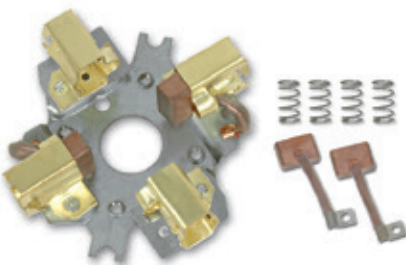
**UYGUN OEM NO / REPLACING OE-REF**  
1 004 336 456, 460, 463, 802, 835, 908, 946, 949, 994

**MOTOR NO / UNIT NO**  
0 001 362 034-36,38-43,45-53,057-64,067,69,70,81-86,  
88-100,102-105,300-332,600-607,700-705,  
0 001 366 001-6,8-22,24-29,  
9 000 143 203, 4, 408,11,13,14,20

**ARAÇ MODELİ / VEHICLE MODEL**  
BMW 7.30 2,8L  
OPEL ASTRA 1.8i, 2.0i  
FRONTERA, OMEGA  
VECTRA 1.8i  
RENAULT EXPRESS 1.9D  
MEGANE 1.9D  
CLIO 1.9D, R9/19 1.9D  
VOLVO S40 1.9D  
IVECO  
MERCEDES  
DAIMLER TRUCK  
FORD TRANSIT 100-120-150  
190-80, SCORPIO  
FIAT BUS

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**BO 1441**



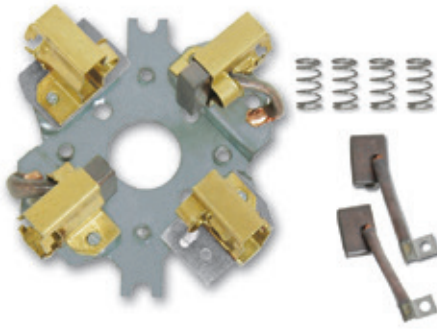
**BSX 134-144 10x25x17 12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**  
2 004 336 028, 044, 067

**MOTOR NO / UNIT NO**  
0 001 367 001-018, 051, 067-082  
9 000 143 410, 412, 415, 416, 419  
JF (R) 3.0 kW

**ARAÇ MODELİ / VEHICLE MODEL**  
RENAULT KAMYON / TRUCK  
VOLVO KAMYON / TRUCK  
BMC YAVUZ  
BEDFORD (YENİ MODEL /  
NEW MODEL)  
TRAKTÖR / TRACTOR  
JOHN DEERE  
FIAT SAME  
NEW HOLLAND  
MASSEY FERGUSON 32, 34, 36, 38, 40, 40RS  
(1992/1999)

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**BO 1451**

**BSX 135-145 8x25x17 24 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

2 004 336 031, 046

**MOTOR NO / UNIT NO**

0 001 368 001, 002, 004-010, 014, 016-022, 024, 026-031, 033-042, 047, 049-052, 055-060, 062, 063, 068-077, 079-081, 085, 086, 088, 300, 301, 305-307-313, 315-317-319-321

0 001 369 309

9 000 143 600-604

JF (R) 4.0 KW

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

<b>MERCEDES</b>	2521
<b>MAN</b>	
<b>RENAULT</b>	KAMYON / TRUCK
<b>DAF</b>	
<b>DEUTZ</b>	IHC,
<b>MAGIRUS</b>	KAMYON / TRUCK
<b>MASSEY</b>	FERGUSON
<b>MERCEDES</b>	302 OTOBÜS/BUS
<b>FIAT</b>	TRAKTÖR / TRACTOR,
	(1975-1988)

**SCANIA**
**BO 1491**
**YENİ - NEW**

**BSX 149 7x10x14 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

9 003 334 314, 343, 355

6 003 AD1 155\*, 327\*

1 004 112 906\*, 907\*

9 003 334 103\*, 147\*, 163\*, 165\*, 167\*, 171\*, 175\*

With field coil

EV(R) 12V 2.2/2.3 Kw

**MOTOR NO / UNIT NO**

0 001 207 001, 018, 208 004, 08, 25, 39-41, 44, 49, 51-54, 100, 101, 200-5, 6, 8-11, 13, 14, 16-21, 23-29, 32, 33, 403-409, 11-23, 25-29, 211 200, 1, 4-9, 10, 13-25, 27-29, 33-36, 39, 41-49, 251-55, 57-59, 86, 88, 986-93, 95-96, 97, 98

0 001 212 006-8, 11, 13, 204-14, 400-3, 213 003, 4

9 000 142 001-003, 14, 100-102, 333 105, 112, 115, 116, 118, 119

14736380080, 14754890080, 195270503000, 605129690, 605225650, 7716196, 9611705880

039-911-023, 046-911-023B, 069-911-023B, 069-911-023C, 069-911-023C, 069-911-023CX, 069-911-023D, 069-911-023D, 069-911-023DX, 069-911-023DX, 069-911-023F

130019808, 14736380080, 14754890080, 5984563, 5985265,

60512969, 60522565, 75891510, 7613744, 7642261,

7680619, 7706908, 7716767, 7727487, 9611705880

5001014230, 7700301993, 7700585114, 7700585375,

7700723189, 7700730756, 7700730756, 7700868184

003-151-29-01, 003-151-98-01, 004-151-20-01, 004-151-21-01,

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004-151-51-01, 004-151-51-01-88, 004-151-52-01, 004-151-56-01,

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006-151-34-01

12-41-1-287-788, 12-41-1-288-166, 12-41-1-288-166, 12-41-1-288-226,

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12-41-1-468-117, 12-41-1-711-403, 12-41-1-720-246, 12-41-2-242-231,

12-41-2-288-166, 12-42-2-242-231

11180180

130019808, 14736380080, 14736380080, 14754890080,

1475489080, 46231643, 5984563, 5985182, 5985265, 60412969,

60512969, 60522565, 7580575, 75891510, 7613744, 7642261,

7658554, 7666135, 7706908, 7716196, 7716767, 7716767,

7716769, 7716769, 7716771, 7727487, 7731823, 9611705880

132299, 133557

37950

42498678, 5984563, 99451753

110597

118-0180

ERR5009, NAD100370, AD10039, NAD100390

23300-7C600, 23300-9C600

12-02-048, 12-02-955, 12-02-955, 12-02-960, 90008258,

90376895, 90398044

6611513101, 6611513401, 6611513701,

1328392, 3544627, 5002050, 9162928

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

<b>AUDI</b>	
<b>ALFA ROMEO</b>	
<b>VOLKSWAGEN</b>	
<b>CHRYSLER</b>	
<b>LANCIA</b>	
<b>RENAULT</b>	
<b>MERCEDES-BENZ</b>	
<b>BMW</b>	
<b>DUETZ ENGINE Mfr</b>	
<b>FIAT</b>	
<b>GEHL</b>	
<b>GENIE</b>	
<b>IVECO</b>	
<b>JOHN DEERE AL</b>	
<b>KHD</b>	
<b>LAND ROVER</b>	
<b>NISSAN / INFINITI</b>	
<b>OPEL</b>	
<b>SSANGYONG</b>	
<b>VOLVO</b>	

**BO 1511**



**BSX 151**      **7,5x18x17/19**      **12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**

9 003 334 314, 343, 355  
6 033 AD1 155\*,327\*  
1 004 112 906\*,907\*  
9 003 334 103\*,147\*,163\*,  
165\*,167\*,171\*, 175\*

\* with field coil  
EV(R) 12V 2.2/2.3 kW

**MOTOR NO / UNIT NO**

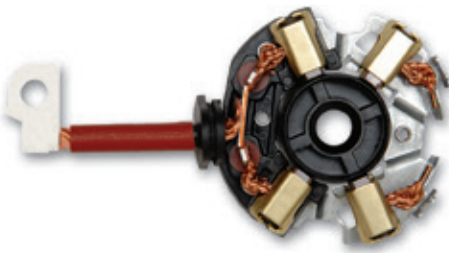
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118, 120-131, 133-147  
150-168, 171-178  
703, 711, 712, 715, 725,  
738, 758, 763, 768, 772  
774, 777, 805, 809, 812,  
814-818, 820, 821  
9 000 331 401, 402, 405-409,  
411-415, 417-428,  
430-433  
6 033 AB1 J00

**ARAÇ MODELİ / VEHICLE MODEL**

**AUDI,**  
**ALFA ROMEO**  
**CHRYSLER**  
**LANCIA**  
**RENAULT**      COMBI, SEDAN, TRAFIC  
**VOLKSWAGEN**  
**MERCEDES**      190 D, VITO  
KAMYON / TRUCK  
**ALFA ROMEO**      155  
**AUDI**      100 D  
**BMW**      324 TD,  
7.50i, 8.50i  
**CITROEN**  
**FORD**      D  
D. -FIESTA  
MONDEO SCORPIO  
D. FRONTERA  
**OPEL**  
**OMEGA**  
**VOLVO**  
**ROVER**      D  
**LAND ROVER**  
**FIAT**      D

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**BO 1582**



**BSX 157-158**      **6x18x14,5**      **12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 456, 460, 463, 802, 835, 908, 946, 949, 994

**MOTOR NO / UNIT NO**

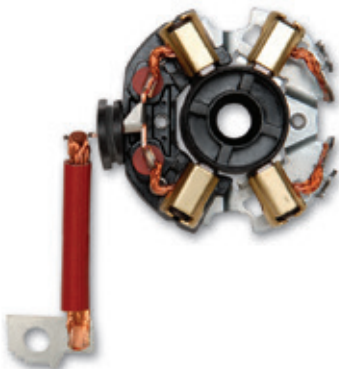
0 001 110 053, 089, 113  
DW (R) 1.7/1.8 kW saat yönü / clockwise  
kablo boyu / cable length 125 mm

**ARAÇ MODELİ / VEHICLE MODEL**

**BMW**      7.30 - 2.8  
**OPEL**      ASTRA 1.8i, 2.0i,  
FRONTERA, OMEGA  
VECTRA 1.8i  
**RENAULT**  
EXPRES 1.9D  
MEGANE 1.9D,  
CLIO 1.9D, R9/19 1.9D  
**VOLVO**      S40 1.9D

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**BO 1584**



**BSX 157-158**      **6x18x14,5**      **12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 228, 233, 257, 359, 402, 408, 429, 446, 732, 737,  
777, 800, 808, 839, 847, 858, 906, 926, 927, 933,  
945, 948, 958, 983, 988, 990, 991

**MOTOR NO / UNIT NO**

0 001 109 011, 012, 023, 029, 044, 047  
110 001, 002, 009, 010, 014, 015, 018, 031-033, 047, 057-062,  
069, 070, 073, 076, 077, 080, 081, 084-087, 099, 119  
124 004  
125 001-013, 016-019, 021, 022, 505, 506  
DB / DW (L) 12 V 1.7-2.0 kW saat yönü tersi / anticlockwise  
kablo boyu / cable length 70mm

**ARAÇ MODELİ / VEHICLE MODEL**

**VOLKSWAGEN**      TRANSPORTER 1.9 D,  
CADDY, BORA 1.9 TDI,  
POLO 1.4 D,  
POLO CLASSIC,  
**AUDI**      A3 1.9 TDI,  
**SKODA**      FELICIA 1.9 D

**4 KÖMÜRLÜ / WITH 4 BRUSHES**



**BO 1585**

**BSX 157-158 6x18x14,5 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 301, 394, 400, 401, 404, 405, 407, 409, 412, 413, 430, 431, 437, 445, 450, 452, 455, 458, 709, 720, 730, 731, 734-736, 738, 741, 742, 778, 779, 804, 807, 819, 826, 829, 836, 840, 860, 864, 909, 914, 924, 925, 931, 942, 947, 955, 956, 959, 962, 976, 981, 984, 996, 997, 999

**MOTOR NO / UNIT NO**

0 001 109 001-003, 006-009, 014, 017, 018, 021, 022, 025, 026, 028, 030, 031, 033, 036, 040, 043, 045, 048, 049, 057, 058

110 004, 005, 007, 008, 022-025, 027-030, 039-046, 051-056, 063-068, 100-102, 104-108, 110-113, 115, 120, 122-127, 999

115 002, 007 / 0 001 123 001 / 0 001 124 015 / 0 001 125 501-504, 507

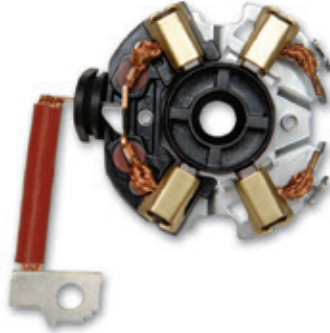
F010 ALO 101, 996-604-103-00

DB (R) / DW (R) 12V 1.7/2.0 kW saat yönü / clockwise

kablo boyu / cable length 86 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODELS**

<b>BMW</b>	5.20D, 5.25i, 7.40
<b>OPEL</b>	ASTRA 1.8i, 2.0i FRONTERA, OMEGA, VECTRA 1.8i
<b>RENAULT</b>	MEGANE 1.9 D, CLIO, 1.9D
<b>VOLVO</b>	S40 1.9 D
<b>CITROEN</b>	JUMPER 1.9D, X SARA 1.9D
<b>PEUGEOT</b>	PARTNER 1.9D
<b>NISSAN</b>	XTERRA 2.8D
<b>FIAT</b>	MAREA 1.9 JTD DOBLO 1.9
<b>VOLKSWAGEN</b>	POLO 1.9D
<b>POSRCHE</b>	

**BO 1586**

**BSX 157-158 6x18x14,5 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 456, 460, 463, 802, 835, 908, 946, 949, 994

**MOTOR NO / UNIT NO**

0 001 110 053, 089, 113,  
114, 003, 026

DW (R) 12 V 1.7 kW saat yönü / clockwise

kablo boyu / cable length 105 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

<b>VOLKSWAGEN</b>	LT 35
<b>RENAULT</b>	CLIO 1.9D
<b>MERCEDES</b>	1.7

**BO 1601**

**BSX 159-160 5x16x11,5/13 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 300, 318, 337, 343, 374, 403, 411, 418, 419, 423, 436, 443, 457, 464, 733, 740, 747, 748, 762, 806, 812, 816, 823, 832, 837, 859, 902, 903, 907, 912, 913, 918, 921, 922, 934, 935, 936, 941, 944, 950, 954, 960, 965, 968, 971, 973, 974, 986, 995, 998

**MOTOR NO / UNIT NO**

0 001 108 001-004, 009, 013, 016-020, 022-033, 035, 037-040, 042-049, 051 058, 061, 066, 068-075, 078, 093, 098, 100-126, 128-141, 143, 146, 148, 160, 162, 166, 167, 169, 178, 181, 183, 184, 188-190, 196, 197, 199

DW (R) 12V1, 1-1, 4kW / DW (R) 24 V 1, 6 kW

saat yönü / clockwise - kablo boyu / cable length 60 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

<b>BMW</b>	3.16, 3.16i COMPACT 3.20i, 5.50i
<b>AUDI</b>	100
<b>OPEL</b>	ASTRA, VECTRA 1.8 2.0i
<b>CHRYSLER</b>	
<b>ALFA ROMEO</b>	
<b>VOLVO</b>	S40
<b>FORD</b>	ESCORT, MONDEO
<b>RENAULT</b>	LAGUNA 2.0

**BO 1602**

**BSX 159-160 5x16x11,5/13 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 362, 426, 467, 772, 811, 904, 911, 919, 923, 944, 961

**MOTOR NO / UNIT NO**

0 001 108 005, 014, 015, 021, 050, 058-060, 076, 077,  
094-097, 099, 123, 127, 147, 168

111 001, 005

DW (L) 12 V 1.1-1.4 kW

DW (L) 24 V 1.6 kW saat yönü tersi / anticlockwise

kablo boyu / cable length 60 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

<b>VOLKSWAGEN</b>	TRANSPORTER 2.0,
<b>LADA</b>	SAMARA
<b>SEAT</b>	INCA
<b>PORSCHE</b>	CARRERA 1.6
<b>CHRYSLER</b>	VOYAGER 1.4 kW

**BO 1603**



**BSX 159-160** 5x16x11,5/13 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 300, 318, 337, 343, 374, 403, 411, 418, 419, 423, 436, 443, 457, 464, 733, 740, 747, 748, 762, 806, 812, 816, 823, 832, 837, 859, 902, 903, 907, 912, 913, 918, 921, 922, 934, 935, 936, 941, 944, 950, 954, 960, 965, 968, 971, 973, 974, 986, 995, 998

**MOTOR NO / UNIT NO**

0 001 108 001-004, 009, 013, 016-020, 022-033, 035, 037-040, 042-049, 051, 058, 061, 066, 068-075 078, 093, 098, 100-126, 128-141, 143, 146, 148, 160, 162, 166, 167, 169, 178, 181, 183, 184, 188-190, 196, 197, 199

DW (R) 12V 1.1-1.4 kW

DW (R) 24V 1.6 kW saat yönü / clockwise

kablo boyu / cable length 105 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**BMW** 3.16, 3.16i COMPACT, 3.20i, 5.50i  
**AUDI** 100  
**OPEL** ASTRA, VECTRA 1.8, 2.0i,  
**ALFA ROMEO**  
**CHRYSLER**  
**VOLVO S40**  
**FORD** ESCORT, MONDEO

**BO 1621**



**BSX 161-162** 5x12x11,6 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 217, 815, 817, 834, 843, 844, 846, 865, 915-917, 928, 939, 940, 943, 952, 953, 963, 967, 969, 992, 993

9 000 081 094

F 000 AL1 055, 326, 483, 917-919

**MOTOR NO / UNIT NO**

0 001 112 007, 008, 015, 021, 032, 037  
113 001, 002, 007, 008

DM ( R ) 12 V 0.6/1.2 kW saat yönü / clockwise

kablo boyu / cable length 105 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**FORD,** ESCORT, FIESTA, SIERRA,  
**VOLKSWAGEN** GOLF, JETTA, POLO, SCIROCCO,  
**AUDI**  
**SEAT** IBIZA  
**OPEL** ASCONA, KADETT, ASTRA, CORSA,  
**CITROEN**  
**PEUGEOT**  
**DAEWOO**  
**SUZUKI**

**BO 1622**



**BSX 161/162** 5x12x11, 6 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 217, 815, 817, 834, 843, 844, 846, 865, 915-917, 928, 939, 940, 943, 952, 953, 963, 967, 969, 992, 993

9 000 081 094

F 000 AL1 055, 326, 483, 917-919

**MOTOR NO / UNIT NO**

0 001 114 005, 006

DA (L) 12 V 0.9 kW saat yönü tersi / anticlockwise

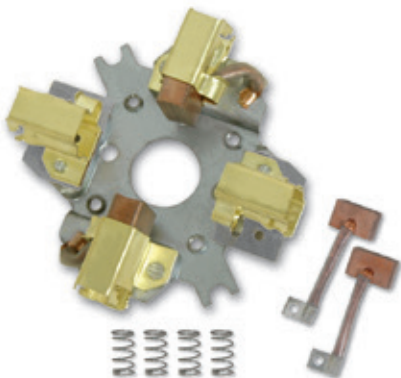
kablo boyu / cable length 105 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**SEAT** TOLEDO  
**VOLSKWAGEN** POLO, JETTA, PASSAT TRANSPORTER

**BO 1641**



**BSX 163/164** 10x25x15 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

2 004 336 028, 044, 067

**MOTOR NO / UNIT NO**

0 001 367 020, 021-047, 049, 050, 052, 054-059, 061-066, 068, 300-303

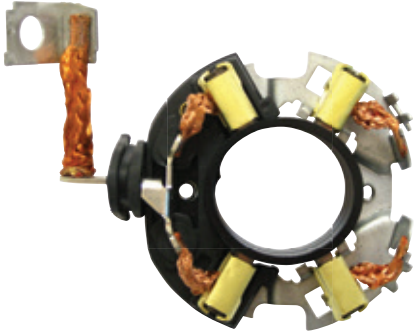
369 001-023, 025, 200

JF (R) 3.0, 3.1, 3.6 kW

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**FORD** CARGO  
**VOLVO**  
**MERCEDES** KAMYON / TRUCK  
**FORD**  
**MASSEY FERGUSON** TRAKTÖR / TRACTOR (1995-1998)

**BO 1661**

**BSX 166**      **5x12x11,6**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 217, 815, 817, 834, 843, 844, 846, 865, 915-917,  
928, 939, 940, 943, 952, 953, 963, 967, 969, 992,  
993

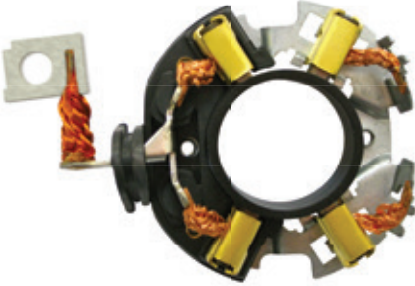
9 000 081 094  
F 000 AL1 055, 326, 483, 917-919

**MOTOR NO / UNIT NO**

0 001 112 003-029, 032-039, 041, 044, 045  
113001-015, 017  
114003-006, 008-010, 014-017, 020-022  
DM (R) 12 V 0.8-1.0 kW  
saat yönü / clockwise

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODELS**

**SEAT**      CORDOBA, IBIZA,  
                 TOLEDO  
**VOLSKWAGEN**      GOLF, LUPO, POLO,  
                                 PASSAT, CADDY  
**AUDI**  
**SKODA**      OCTAVIA  
**ALFA ROMEO**  
**FORD**      SIERRA, ESCORT,  
                 FIESTA

**BO 1662**

**BSX 166**      **5x12x11,6**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 217, 815, 817, 834, 843, 844, 846, 865, 915-917,  
928, 939, 940, 943, 952, 953, 963, 967, 969, 992,  
993

9 000 081 094  
F 000 AL1 055, 326, 483, 917-919

**MOTOR NO / UNIT NO**

0 001 112 003-029, 032-039, 041, 044, 045  
113001-015, 017  
114003-006, 008-010, 014-017, 020-022  
DA (L) 12 V 0.9 kW  
saat yönü tersi / anticlockwise

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODELS**

**SEAT**      CORDOBA, IBIZA,  
                 TOLEDO  
**VOLSKWAGEN**      GOLF, LUPO, POLO,  
                                 PASSAT, CADDY  
**AUDI**  
**SKODA**      OCTAVIA  
**ALFA ROMEO**  
**FORD**      SIERRA, ESCORT,  
                 FIESTA

**BO 1711**

**BSX 170-171**      **10x25x15**      **24 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

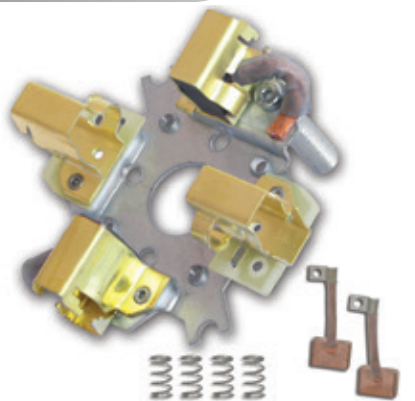
2 004 336 066, 086

**MOTOR NO / UNIT NO**

0 001 364 300, 301, 400, 402  
0 001 372 002, 003, 005-008  
JD (R) 5.2 kW  
JE (R) 6.2 kW  
JF (R) 4.8 kW  
1317220, 1357210

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

**DAF**  
**IVECO**  
**MERCEDES**      ACTROS  
                                 TRAVEGO 0580,  
                                 CITARO 0530,  
                                 CONECTO 0345,  
                                 TOURISMO 0350

**BO 1712**

**BSX 170-171**      **10x25x15**      **24 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

2 004 336 085, 087

**MOTOR NO / UNIT NO**

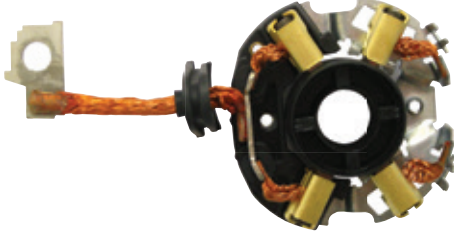
0 001 372 001, 004, 006  
IE/JE (R) 24V 6.2 kW

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

**MERCEDES**      ACTROS



**BO 1761**



**BSX 175-176** 5x12x11,6 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 239, 321, 368, 391, 392, 397, 415, 421, 432, 433, 434, 451, 462, 715-717, 728, 744, 801, 809, 810, 813, 814, 827, 828, 831, 833, 842, 853, 938, 957, 964, 970, 975, 980, 985, 989

**MOTOR NO / UNIT NO**

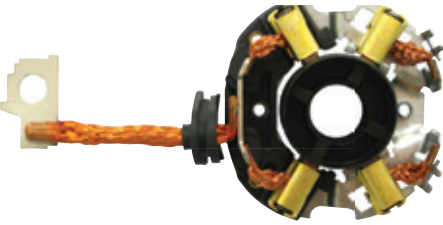
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054-056, 059-069, 075-077, 082, 083, 085, 087-089, 101  
121 001-003  
DB/DW (R) 12V 1.1 kW saat yönü / clockwise  
kablo boyu / cable length 70 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**RENAULT** MEGANE 2  
**CITROEN** BERLINGO 1.9  
JUMPER 1.9  
**PEUGEOT** PARTNER 1.9, 206  
**TOYOTA** AVENSIS  
**MERCEDES**  
**OPEL** ASTRA, VECTRA, CORSA  
**VOLKSWAGEN** PASSAT, CADDY, POLO  
GOLF  
**SKODA** OCTAVIA  
**SEAT**

**BO 1762**



**BSX 175-176** 5x12x11,6 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 200, 219, 417, 427, 428, 746, 776, 820, 821, 937, 951, 987

**MOTOR NO / UNIT NO**

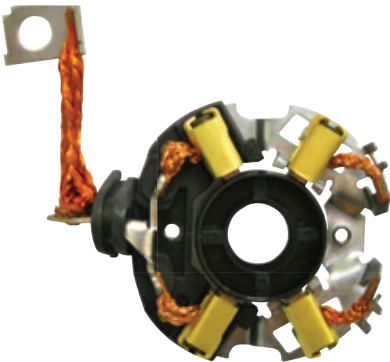
0 001 106 001, 002, 004, 016, 020  
107 003-008, 011, 020-024, 039, 040, 046, 052, 053, 058, 080, 090  
121 006-011, 016-019, 022, 023  
DB/DW (L) 1.1 kW saat yönü tersi / anticlockwise  
kablo boyu / cable length 50 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**SEAT** TOLEDO, IBIZA  
**VOLKSWAGEN** TRANSPORTER JETTA,  
PASSAT, CADDY,  
POLO CLASSIC  
**AUDI** A3

**BO 1763**



**BSX 175-176** 5x12x10, 9/11,6 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 239, 321, 368, 391, 392, 397, 415, 421, 432, 433, 434, 451, 462, 715-717, 728, 744, 801, 809, 810, 813, 814, 827, 828, 831, 833, 842, 853, 938, 957, 964, 970, 975, 980, 985, 989

**MOTOR NO / UNIT NO**

001 106 007-012, 014, 015, 017, 019  
107 009, 010, 012, 019, 025-034, 037, 041, 043-045, 047-049, 054-056, 059-069, 075-077, 082, 083, 085, 087-089, 101  
121 001-003  
DM (R) 12 V 0.8-1.0 kW  
DM (L) 12 V 0.8-1.0 kW saat yönü ve saat yönü tersi / clockwise and anticlockwise kablo boyu / cable length 70 mm

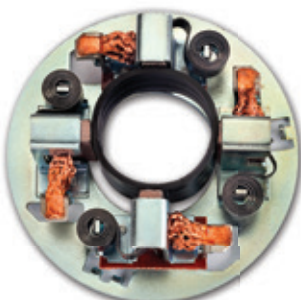
**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**FORD** FIESTA, ESCORT  
**PEUGEOT** 106  
**SEAT** TOLEDO  
**CITROEN** SAXO, XSARA

**BO 1771**

**YENİ - NEW**



**BSX 177** 9x36x18 24 Volt

**UYGUN OEM NO / REPLACING OE-REF**

2 004 336 077 / 078

**MOTOR NO / UNIT NO**

0 001 371 005, 007, 009, 012, 014, 017  
IE(R) 24V 6.7 kW

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**MERCEDES** AXOR, ACTROS  
**SCANIA** MTU,  
**DAF**

**BO 1851**

**BSX 184-185 4,6x12x10,5/11,2 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

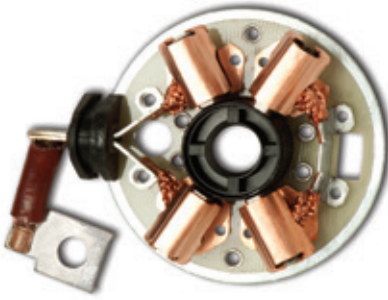
1 004 336 502, 505, 525, 526, 534, 542, 547, 580, 582, 583,  
593, 600, 608, 630, 636, 702, 703, 711, 718,  
723, 789, 791, 866

**MOTOR NO / UNIT NO**

0 001 107 401-404, 405, 406, 407, 410, 411, 415, 417, 418,  
421-443, 446-449, 452, 453  
DW (R) 12V 1.1 kW  
R70-M10, 15, 20, 25 12 V (R) saat yönü / clockwise

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

**OPEL** CORSA, MERIVA, TIGRA,  
ASTRA, COMBO,  
**AUDI** A4 AVANT 3.0, GUANTRO  
**FORD** FIESTA, FOCUS 1.4, 1.6,  
C MAX 1.6,  
FUSION 1.4, 1.6  
**FIAT** ALBEA, DOBLO 1.3  
MULTIJET

**BO 1911**

**BSX 190-191 6,4x25x15,4/16,4 24 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

6 033 AD0 130, 156, 363, 380, 383, 471  
AD4 016, 026, 054, 161, 180  
9 003 334 363

**MOTOR NO / UNIT NO**

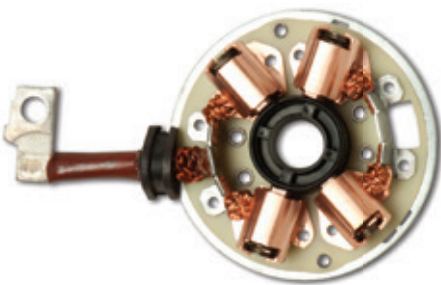
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1387381R, 1387383, 1387383R, 516786R, 1725900, 1735788,  
1739935, 1739936, AELD021, AELF189, 01180999BS, 1183239,  
1231016, 1892338, 4892338, 500325137, 504036695, 504385577,  
KHD 01180999, 118-0999, 118-1101, 118-2235, 7026025A, 36-  
26201-6003, 51-26101-7228, 51-26201-7157, 51-26201-7158,  
51-26201-7183, 51-26201-7183, 51-26201-7193, 51-26201-7212,  
51-26201-7213, 51-26201-7223, 51-26201-7228, 51-26201-7239,  
51-26201-9157, 51-26201-9213, 61-26201-7228, A5-00055-9254,  
004-151-84-01, 005-151-20-01, 006-151-22-01, 006-151-22-  
03, A006-151-22-01, A006-151-22-03, 2852478, 5010306413,  
5010508443, 1447911, 551503093, 3978710, 8192965  
EV (R) 24 V 4.0 kW saat yönü / clockwise  
HE95 - M 24V (R)

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

**MAN**  
**MERCEDES** ATEGO, AXOR, UNIMOG  
**VOLVO** FL 6180 KAMYON /  
TRUCK  
TOURINO 0510,  
CITARO 0530 OTOBÜS /  
BUS

**DAF**

**DEUTZ ENGINE MFR**  
**IVECO**  
**LEYLAND AUTO**  
**LIEBHERR**  
**MAN**  
**MERCEDES-BENZ**  
**NEW HOLLAND**  
**RENAULT**  
**SCANIA**  
**TALBOT**  
**VOLVO**

**BO 1931**

**BSX 192-193 6x22x13/15 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

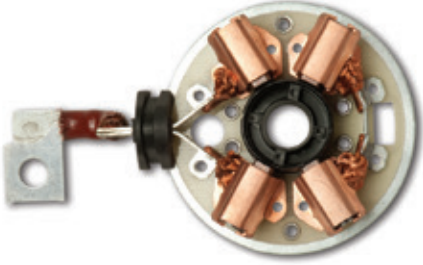
6 033 AD0 014, 159, 160, 221, 368, 401, 404, 407  
AD1 244, 246, 250, 252, 294, 311, 349, 350

**MOTOR NO / UNIT NO**

0 001 223 001-014, 016, 018, 019, 021, 022, 056  
0 001 218 602, 620  
703, 710, 712, 715, 716  
805, 808, 809, 812, 814-822  
EV (L/R) 12V. 2.3 kW

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODELS**

**MAZDA**  
**MITSUBISHI** PAJERO, GALANT  
**FIAT** DUCATO 2.8  
**CITROEN** JUMPER 2.8, C5 2.0D  
**MERCEDES** S 400 CDI, M 400 CDI  
G 400 CDI

**BO 1951****BSX 194-195** 7,5x27x15,4/16,4 12 Volt**UYGUN OEM NO / REPLACING OE-REF**6 033 AD0 166, 370, 374  
AD3 022, 042, 058  
9 003 334 368**MOTOR NO / UNIT NO**0 001 230 001 - 016, 018, 020 - 024, 026, 027, RE50819,  
RE501298, RE501551, RE501689, RE519975, SE5011402,  
SE501425  
EV (R) 12V 3.0 kW  
HE95-M 12V (R)**4 KÖMÜRLÜ / WITH 4 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**

CHRYSLER	PD 250
FORD	CARGO 3227, 3226
	KAMYON TRUCK
FORD	FARGO, DODGE
MERCEDES	KAMYON / TRUCK
M.FERGUSON	TRAKTÖR / TRACTOR
JOHN DEERE	

**BO 1971****YENİ - NEW****BSX 197** 9x36x18 12 Volt**UYGUN OEM NO / REPLACING OE-REF**

2 007 014 072

**MOTOR NO / UNIT NO**0 001 370 001-004  
9 000 453 029, 066, 067**4 KÖMÜRLÜ / WITH 4 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**

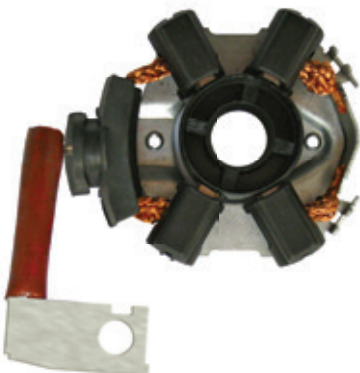
MERCEDES	
VOLKSWAGEN	
DAF	
BMC LEYLAND	1201327
	45.130 / 45.150,-Turbo
	45.160,-Turbo
	45.180,-Turbo
	45.210

**BO 1991****BSX 198-199** 8x25x13 24 Volt**UYGUN OEM NO / REPLACING OE-REF**

2 004 336 064

**MOTOR NO / UNIT NO**0 001 368 083  
IE (R) 24 V ve 4.0 kW**4 KÖMÜRLÜ / WITH 4 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**

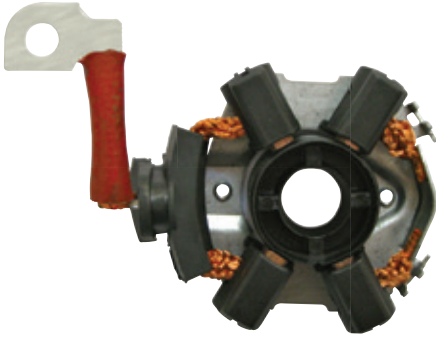
DAF	45, FA 45
LEYLAND	KAMYON / TRUCK

**BO 2011****BSX 200-201** 6x18x12,7/14,2 12 Volt**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 516, 555, 622, 756, 893

**MOTOR NO / UNIT NO**0 001 125 511-514, 517, 518  
DB (R) 12V 2.0 kW saat yönü /clockwise  
RF78-S 12V (R)  
kablo boyu / cable length 65 mm**4 KÖMÜRLÜ / WITH 4 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**

VOLKSWAGEN	LT 35 2.0
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**BO 2012**

**BSX 200-201 6x18x12,7/14,2 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

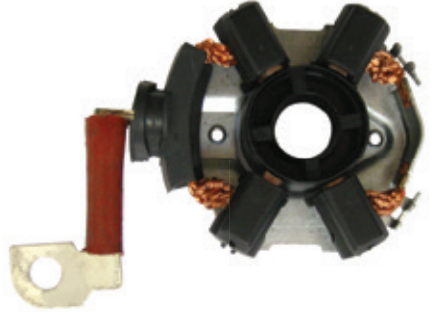
1 004 336 507, 508, 537, 550, 551, 605, 617, 620, 621, 713,  
751, 752, 884, 885

**MOTOR NO / UNIT NO**

0 001 110 086, 087, 118, 119, 133, 134  
124 001-008, 011-014, 022, 025  
125 003, 004, 011, 035, 039, 040, 048, 049  
DB (L) 12 V 1.8/2.0 kW saat yönü tersi / anticlockwise  
RF78-L 12V (L)  
VW aşırı yüklemeye, korumalı marş / VW overload protected starter,  
kablo boyu / cable length 55 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

**VOLKSWAGEN**  
**SEAT** TOLEDO, CORDOBA 1.9D  
**AUDI** A3 DIESEL  
**SKODA** 1.9 TDI  
**FORD** GALAXY 1.9 DIESEL

**BO 2013**

**BSX 200-201 6x18x12,7/14,2 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 514, 517, 518, 532, 538, 548, 556, 575, 581, 603,  
611, 618, 623, 654, 709, 714, 725, 726, 757, 872,  
891, 894, 895

**MOTOR NO / UNIT NO**

0 001 109 057, 058, 068, 202, 203, 205, 250, 258-261, 267-270  
110 071, 072  
125 025, 055, 056, 519, 520, 600, 601, 607, 608  
F 002G20292, 359, 385  
DB/DW (R) 1.9-2.2 kW  
R78-M45 12 V (R) kablo boyu / cable length 55 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

**BMW** 5.30 i, 5.35 i, 5.40 i,  
7.30 i, 7.35 i, 7.40 i,  
7.60 i, 8.40 i, M5, X5, Z8  
**MERCEDES** SPRINTER 216, 316,  
416, 616 CDI, CLK 270,  
E 270 CDI, E 320 CDI,  
ML 270  
**VOLKSWAGEN** TOUAREG 2.5 TDI  
**PORSCHE** CAYENNE 4.5 S TURBO  
**FIAT** DUCATO 2.8 D

**BO 2051**

**BSX 204-205 4,6x10x12,0/12,7 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 506, 637, 879

**MOTOR NO / UNIT NO**

0 001 106 403, 404, 407, 409, 410  
120 400-411  
DB (L) 12V 0.9 kW anticlock  
RF 70-525 12V (L)  
RF 70-510 12V (L)

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

**AUDI** A2, A3  
**SEAT** ALTEA, CORDOBA, IBIZA,  
LEON, TOLEDO  
**SKODA** FABIA, OCTAVIA,  
ROOMSTER  
**VOLKSWAGEN** BORA, CADDY, EOS, FOX,  
GOLF, JETTA, LUPPO,  
PASSAT, POLO, TOURAN

**BO 2111**

**BSX 210-211 4,6x16x11,5/12,2 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 509, 527, 530, 531, 564, 633, 704, 707, 708, 768, 886

**MOTOR NO / UNIT NO**

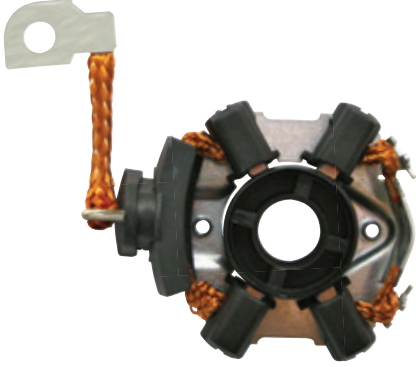
0 001 108 400-406, 409-412, 420 421  
DW (R) 1.4 kW F 0020 G20670  
R70-L25 (R) F 004 A94004  
RF70-L25 (L) saat yönü / clockwise

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

**CITROEN** BERLINGO 1.9, 2, 0 D,  
CITROEN C4 PICASSO 1.8,  
2.0 i, CITROEN C5  
JUMPY, XSARA,  
**PEUGEOT** PARTNER, 206, 306, 307,  
407  
**PEUGEOT** 206, 306, 307, 407  
**BMW** 3.16, 3.18, 3.23, 3.25,  
5.18, 5.20, 5.23, 5.28  
**VOLVO** S40 2.4  
**MERCEDES** E, S, C, MERCEDES VITO  
123,  
**AUDI** A4, A6



**BO 2131**



**BSX 212-213** 5x16x11,5/13 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 512, 552, 567, 572, 712, 753, 771, 782, 889

**MOTOR NO / UNIT NO**

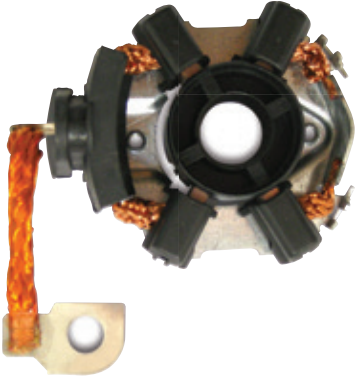
0 001 108 200, 201, 206, 207, 220, 221, 228, 229, 237, 238,  
07C-911-023F, 07C-911-023FX, 07C-911-023G, 07C-911-023H,  
07C-911-023HX  
DW (R)1.4 12V kW  
R74-L75 12V (R)  
kablo boyu / cable length 60 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**VOLKSWAGEN** PASSAT W 3 4.0,  
TOUAREG  
**AUDI** A4, A8

**BO 2132**



**BSX 212-213** 5x16x11,5/13 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 521, 568, 770, 773, 788, 888, 898

**MOTOR NO / UNIT NO**

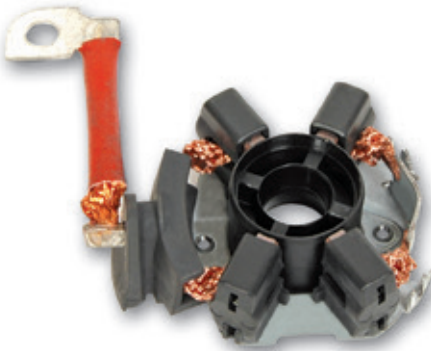
0 001 108 203, 68011829AB, 006-151-06-01, 006-151-10-01,  
A006-151-10-01  
DW (L) 1.4  
RF78-S12V (R) kW  
R74-L 10 12 V (L)  
kablo boyu / cable length 60 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODELS**

**VOLKSWAGEN**  
**LADA** KALINA  
**CHRYSLER**  
**MERCEDES-BENZ**

**BO 2151**



**BSX 214-215** 6x18x11,0/12,5 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 513, 522, 553, 584, 588, 591, 598, 604, 606,  
640, 754, 792, 796, 798, 890, 899

**MOTOR NO / UNIT NO**

0 001 115 016, 017, 022, 023, 031, 032, 035, 040, 041  
123 002-005, 012-015, 018- 021, 12-41-7-794-952,  
12-41-7-796-892, 005-151-16-01, 006-151-25-01, 006-151-25-  
01-80, 006-151-74-01, 006-151-74-01-80, 7794952, 7796892  
DB/DW (L/R) 1.7/2.0 kW  
R74-E25 (R)  
RF74-E25 (L)  
kablo boyu / cable length 65 mm

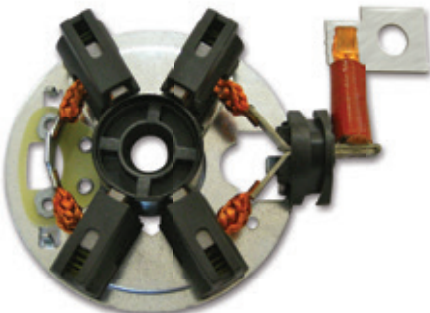
**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

**VOLKSWAGEN** GOLF V 1.9, 2.0 TDI,  
TOUAREG 3.2,  
TOURAN 2.0 TDI,  
TRANSPORTER T5,  
CADDY  
A3 2.0 TDI

**AUDI**  
**BMW**  
**MERCEDES-BENZ**  
**STEYR**

**BO 2171**



**BSX 216-217** 5.35x27.77x18 24 Volt

**UYGUN OEM NO / REPLACING OE-REF**

6 033 AD4 016,194, 212  
6 033" AD5 179, 316,318,320

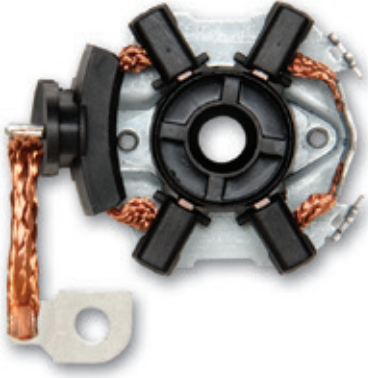
**MOTOR NO / UNIT NO**

0 001 231 036,040,041  
241 001,003,005-007,014,015,019,020, 006-151-22-01,  
006-151-22-03, A006-151-22-01, A006-151-22-03,  
36-26201-6003  
HEF95-L 24V(R) 5.5 kW

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODELS**

**SCAINA** P/G/R/T SERIES  
**DAF**  
**MERCEDES** AXOR, ATEGO,  
**MAN**

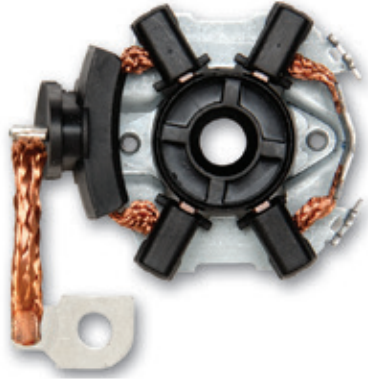
**BO 2191**

**BSX 218-219**      **5x12x10,9/11,6**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 504, 562, 577, 766, 786  
02A 911 023 L, 02T 911  
023 B, 020 911 023 F  
95VW 11 000 BC

**MOTOR NO / UNIT NO**

0 001 107 107  
121 024, 029  
DB/DW (L) 1.1/1.2 kW  
RF 74-M50 12 V (L)  
R 74-M20 12 V (L)  
kablo boyu / cable length 65 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**  
VOLKSWAGEN      PASSAT 1.8, POLO C  
FORD  
SEAT      CORDOBA, IBIZA,  
LOMBARDINI

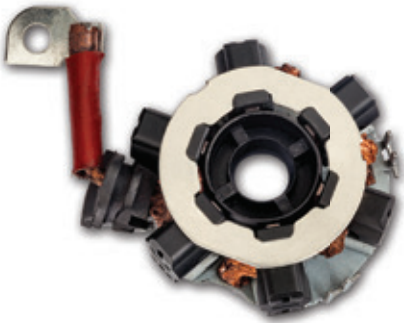
**BO 2192**

**BSX 218-219**      **5x12x10,9/11,6**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 529, 561, 587, 589, 765, 795, 797

**MOTOR NO / UNIT NO**

0 001 107 103-106, 108, 109  
121 030, 031, 24-422-272, 55-351-638, 92-00-961,  
93-176-061  
DB/DW (R) 1.2 kW  
RF 74-M40 12 V (R)  
R 74-M40 12 V (R)  
R 74-M60 12 V (R)  
001 911 023, 036 911 023 S, 085 911 023 H  
kablo boyu / cable length 65 mm

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**  
VOLKSWAGEN  
SEAT      CORDOBA, IBIZA 1.4,  
LUPO 1.4  
OPEL

**BO 2281**
**YENİ - NEW**

**BSX 228**      **5,25x18x12,7/14,2**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 612, 649  
1 004 337 145  
DB 001 151 67 14

**MOTOR NO / UNIT NO**

0 001 139 001, 002, 005, 006, 011-016  
0 001 139 025, 026, 047, 048  
S78-M 12V 2.2 kW  
S78-M55 12V(R)  
Start/Stop Starters

**6 KÖMÜRLÜ / WITH 6 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**  
CHRYSLER  
FERRARI  
FIAT      PUNTO, DOBLO  
PORCHE  
ALFA  
BMW  
MERCEDES

**BO 2301**
**YENİ - NEW**

**BSX 229-230**      **4,6x16x12,3/13,8**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 609, 645

**MOTOR NO / UNIT NO**

0 001 138 011, 012, 029, 030, 037-040  
DW(R) 1.7 Kw  
S74-L 12V(R)  
Start/Stop Starters

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**  
BMW MODELS      1+3 GAS START/STOP  
MINI GAS, -COOPER  
DIESEL START/STOP  
PUNTO  
FIAT  
OPEL  
SUZUKI  
ALFA ROMEO      MITO

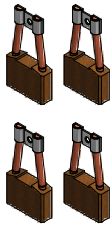
**B0 2302****YENİ - NEW****BSX 229-230** 4,6x16x12,3/13,8 12 Volt**UYGUN OEM NO / REPLACING OE-REF**1 004 336 614, 648  
1 004 337 154**MOTOR NO / UNIT NO**0 001 138 003, 004, 005, 006, 047, 048  
0 001 138 053, 054  
DR(W) 1.7Kw  
S74-L 12V(R)  
Start/Stop Starters**4 KÖMÜRLÜ / WITH 4 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**BMW 1+3 GAS START/STOP  
MINI COOPER GAS/DIESEL(START/STOP)  
CABRIO, CLUBMAN,  
COOPER S, CLUBMAN  
ONE, CLUBMAN ONE D**B0 2331****YENİ - NEW****BSX 233** 4,6x14x12,3/13,8 12 Volt**UYGUN OEM NO / REPLACING OE-REF**1 004 336 674, 695  
1 004 337 153**MOTOR NO / UNIT NO**0 001 136 002, 003  
0 001 137 001, 002, 003, 004, 006, 011, 012  
0 001 138 043-046, 051, 052  
0 001 138 001, 002, 009, 010, 017-020**6 KÖMÜRLÜ / WITH 6 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**BMW  
FIAT  
HYUNDAI  
KIA  
OPEL  
VW**B0 2351****YENİ - NEW****BSX 234-235** 5,25x18x12,7/14,2 12 Volt**UYGUN OEM NO / REPLACING OE-REF**

1 004 336 681

**MOTOR NO / UNIT NO**0 001 145 001, 002  
Start/Stop Starters**6 KÖMÜRLÜ / WITH 6 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**AUDI  
BOSCH STARTER- FOR LINDE 13TH  
1.9/2.0KW PMGR, CWW,  
OEM. UNIT 0001145001 LESTER 33328**B0 2441****YENİ - NEW****BSX 244** 4,6x19,5x12,3/13,7 12 Volt**UYGUN OEM NO / REPLACING OE-REF**

1 004 337 006

**MOTOR NO / UNIT NO**0 001 153 007-010, 015, 016 VW  
Family Start/Stop Starters**4 KÖMÜRLÜ / WITH 4 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**AUDI A1, A3, Q3, S1 1.6, 2.0 TDI  
SEAT ALHAMBRA, ALTEA, IBIZA,  
LEON 1.6/2.0 TDI  
SKODA FABIA, ROOMSTER,  
SUPERB, YETI 1.2/1.6TDI  
VOLKSWAGEN CADDY, EOS, GOLF VI,  
PASSAT 1.6/2.0  
TDI

**DR 1341**

**RX 134 10,5x36,6x24,4 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

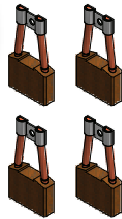
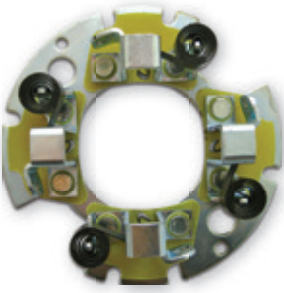
 1988121  
 1988122

**MOTOR NO / UNIT NO**

 42MT, 71359093-3, 713590933, 1483312, 107717A1, 114769A1,  
 20-2383T91, 20-2384T91, 20-2386T91, 260493C91, 263819C91,  
 313979R93, 489716C91, 527888C91, 989969C91, A186224,  
 A186270, A187568, L118276, OR2186, OR2186, OR2187, OR2188,  
 OR2189, OR2190, OR2191, OR2192, OR4256, OR4257, OR4259,  
 OR4264, OR5218, 104-7041, 104-7042, 1046547, 106-8551,  
 106-8552, 106-8552, 106-8554, 1068555, 10R0400, 10R0405,  
 207-1541, 207-1548, 207-1551, 207-1556, 2N2761, 3E7863,  
 3E7863, 3E7863, 3T2579, 3T2579, 3T2648, 3T2764, 3T4586,  
 3T4586, 4N0957, 4N1062, 4N3182, 4N3182, 5L4431, 6B5539,  
 6N1889, 6V4214, 6V5207, 6V5207, 6V5227, 6V5537, 6V5539,  
 6V5821, 769132, 8C3596, 8C3645, 8C3646, 8C3651, 8C3651,  
 8C3652, 8C4090, 8H1913, 8N2447, 9G4339, 9X4507, DR2192,  
 PR5347, PR5348, R0461126, R0461127, R0461184, 12850029,  
 1034953H91, 1034953H91, 1219523H91, E-821124X, E-821124X,  
 E-821126X, E-821131X, E-821131X, 85014, 260493C91,  
 263819C91, 313973R93, 313979R93, 3584403C91, 430138C91,  
 489716C91, 527888C91, 541747C91, 597219C91, 597220C91,  
 673796C92, 989969C91, RE24305, RE28782, RE38633, RE38634,  
 RE41754, RE41756, RE43047, RE51579, RE51792, RE51792,  
 RE53695, RE61457, RE61591, RE63094, RE63094, RE69590,  
 RE69591, RE69591, SE501453, SE501454, TY6728, TY6730,  
 TY6746, 8MJ4267M, 291-183-M91, V90562, V90563, 820013422,  
 820013427, 820013433, 820013435, 820013436, V1114249,  
 V1114251, V1115303

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODELS**

 MACK  
 CATERPILLAR  
 CLARK  
 FATİH,  
 ALLIS CHALMERS  
 BLUEBIRD BUS  
 CASE  
 CATERPILLAR  
 DETROIT DIESEL  
 DEUTZ ENGINE MFR  
 DRESSER ENGINE MFR Euclid  
 GENIE  
 IHC, NAVISTAR  
 JOHN DEERE  
 MACK TRUCK  
 MASSEY FERGUSON  
 VERSATILE  
 WESTERN STAR  
 White

**DR 1342**

**RX 134 H 10,5x36,6x24,4 24 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

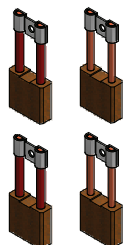
1988439

**MOTOR NO / UNIT NO**

42MT

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

 FIAT ALLIS  
 CATERPILLAR  
 VOLVO F SERIES  
 MARINE  
 FATİH

**DR 1351**
**YENİ - NEW**

**RX 135 9,5x28,6x26,3 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**
**MOTOR NO / UNIT NO**

 37 MT, 41 MT" series DD  
 c/ motor Cummins serie  
 C 1631L; 1632L; 1632LS; 1634LS; 1938LS; 1939S; 1944L; 2638;  
 2638LK; 2638LS; OF1722; OH1628

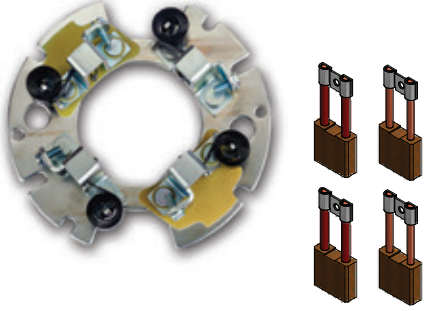
**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

 FORD  
 MBB CARGO CUMMINS 6CTAA  
 8.3L  
 MERCEDES-BENZ BR 400 ; BR 450  
 BUS 0-400  
 TRUCKS 1938 / 2638 VEHICLES  
 VOLKSWAGEN motor serie C



## DR 1352

YENİ - NEW



RX 135 H 9,5x28,6x26,3 24 Volt

UYGUN OEM NO / REPLACING OE-REF

## MOTOR NO / UNIT NO

37 MT, 41 MT" series DD  
c/ motor Cummins serie  
C 1631L; 1632L; 1632LS; 1634LS; 1938LS; 1939S; 1944L; 2638;  
2638LK; 2638LS; OF1722; OH1628

4 KÖMÜRLÜ / WITH 4 BRUSHES

## ARAÇ MODELİ / VEHICLE MODEL

FORD  
MBB CARGO CUMMINS 6CTAA  
8.3L  
MERCEDES-BENZ BR 400 ; BR 450  
BUS O-400  
TRUCKS 1938 / 2638 VEHICLES  
VOLKSWAGEN motor serie C

## DR 4201

YENİ - NEW



RX 419-420 7,9x24,8x19,5 24 Volt

UYGUN OEM NO / REPLACING OE-REF

## MOTOR NO / UNIT NO

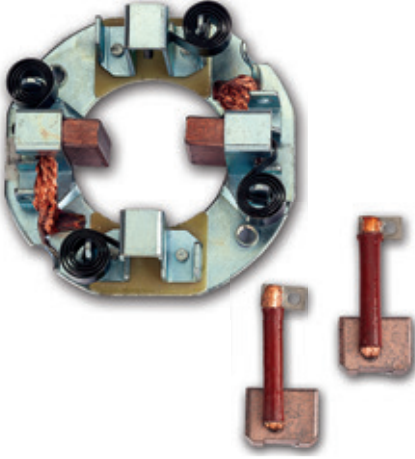
10479600, 05, 08, 11, 12  
1113272, 77, 91  
28 MT

4 KÖMÜRLÜ / WITH 4 BRUSHES

## ARAÇ MODELİ / VEHICLE MODEL

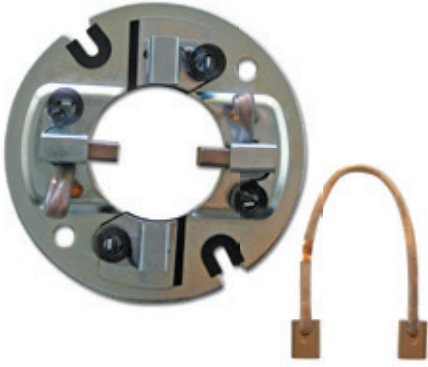
FIAT 80 / 80S / 120 / 130 / 140  
/ 8340 / 8360, YANMAR  
CASE: W18 D / W 18  
E / W 20 D / W20 E, EL  
DETALLE OA 101 -  
09/1997....  
MERCEDES-BENZ 12 t L - L 1214/1217/1218;  
14 t L - L 1414/1418, 16 t  
L - L 1614/1618/1621; OF  
1318/1620, 13 t L - L 1317  
/ 15 t L - L 1517 ; O 371 U/  
UL ; OF 1115 / 1315 / 1721 ;  
OH 1315 G / OH 1318 / OH  
1621 LG / OH 1623 LG,  
FIAT-ALLIS FG140 - MOTOR 6 CT 8.3 -  
02/1999..., AD 7 B; FA 120;  
FH 200, FD 9; FR 10 B; FR  
12 B, FR 120.2,  
VOLVO VME L 30, CASE: 888 BCKE;  
888CKE,  
KOMATSU A 835; GD 523 A; GD 523  
R, PC 150 SE, RETRO-  
ESCAVADEIRA PC 150  
MODELO 3,  
FORD CARGO WORLD TRUCK  
1618; B 1618; B 1621,  
IVECO 120 E15; 150; 149 E  
18; 150 E 20; 150 E 20 T;  
150 T; 160 E 21; 160 E 23;  
160 E 23 T,  
VOLKSWAGEN 16t - 16.180 CO/16.210 CO;  
17t - 17.210 OD/17.2400T,  
B 16.180; L 80



**DR 4581****YENİ - NEW****RX 457-458****7,9x24,8x19,5****12 Volt****UYGUN OEM NO / REPLACING OE-REF****MOTOR NO / UNIT NO**1 113 273-82, 86-88, 90  
292, 95-97,  
323-451,  
28 MT**4 KÖMÜRLÜ / WITH 4 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**

<b>FIAT</b>	80 / 80S / 120 / 130 / 140 / 8340 / 8360,
<b>YANMAR CASE</b>	W18 D / W 18 E / W 20 D / W20 E, EL DETALLE OA 101 - 09/1997...,
<b>MERCEDES-BENZ</b>	12 t L - L 1214/1217/1218; 14 t L - L 1414/1418, 16 t L - L 1614/1618/1621; OF 1318/1620, 13 t L - L 1317 / 15 t L - L 1517; O 371 U/ UL; OF 1115/1315/1721; OH 1315 G / OH 1318 / OH 1621 LG / OH 1623 LG,
<b>FIAT-ALLIS</b>	FG140 - MOTOR 6 CT 8.3 - 02/1999..., AD 7 B; FA 120; FH 200, FD 9; FR 10 B; FR 12 B, FR 120.2,
<b>VOLVO</b>	VME L 30, CASE: 888 BCKE; 888CKE,
<b>KOMATSU</b>	A 835; GD 523 A; GD 523 R, PC 150 SE, RETRO-ESCAVADEIRA PC 150 MODELO 3,
<b>FORD</b>	CARGO WORLD TRUCK 1618; B 1618; B 1621, IVECO: 120 E15; 150; 149 E 18; 150 E 20; 150 E 20 T; 150 T; 160 E 21; 160 E 23; 160 E 23 T,
<b>VOLKSWAGEN</b>	16t - 16.180 CO/16.210 CO; 17t - 17.210 OD/17.2400T, B 16.180; L 80

**FI 1221**



**JSX 21-22**      **6x13x17,5**      **12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**  
74891101010

**MOTOR NO / UNIT NO**  
063221433010, 063221434010,  
063221435010, 063221436010,  
063221438010, 063221530010,  
063221533010, 063221536010

**3 KÖMÜRLÜ / WITH 3 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**  
**TOFAŞ**  
FIAT DOBLO  
FORD TAUNUS, SIERRA, CAPRI  
TRANSIT  
ANADOL  
FORD TUZLA, JEEP  
RENAULT 9-11  
PEUGEOT  
BMW

**FI 2731**



**JSX 72-73**      **7x20x16**      **12 Volt**

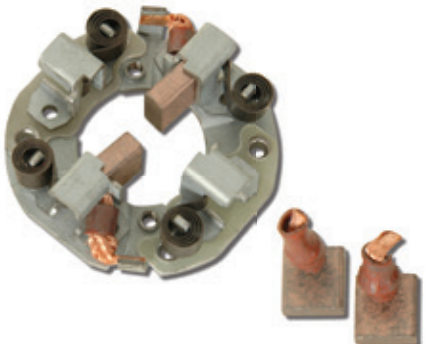
**UYGUN OEM NO / REPLACING OE-REF**  
028510-6410,-6421,  
-6440,-6490

**MOTOR NO / UNIT NO**  
P76 - 12 Volt  
2.0 kW

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**  
BMW SERIES 3,5,7  
CITROEN C5  
PEUGEOT 307,407  
TOYOTA AVENSIS  
COROLLA  
VERSO  
FORD TRANSIT

**FI 3341**



**JSX 33-34**      **6x15x16.7**      **12 Volt**

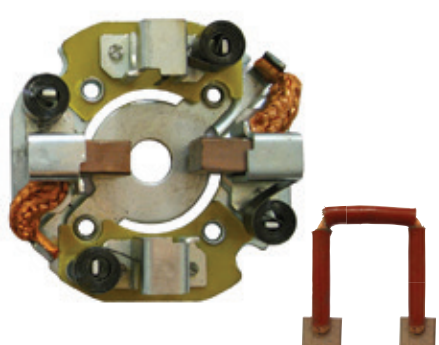
**UYGUN OEM NO / REPLACING OE-REF**  
542 944 44  
832 204 61

**MOTOR NO / UNIT NO**  
M70R 1,4/1,8-12  
E70R 1,4-12  
631 110 00,05,08  
632 234 30-33,35,36  
632 235 30-33  
632 236 39  
632 934 35  
46406973, 46468696, 60813461

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**  
IVECO MK  
FIAT DOBLO  
ALFA ROMEO

**FI 3541**



**JSX 53-54**      **8x19x20**      **12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**  
832 263 36

**MOTOR NO / UNIT NO**  
E95RL 2,2/2,6-12  
631 140 08,10,14  
Ducato

**3 KÖMÜRLÜ / WITH 3 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**  
PEUGEOT BOXER  
CITROEN JUMPER  
FIAT DUCATO

**FI 5361****JSX 35-36****7x13x17.5****12 Volt****ARAÇ MODELİ / VEHICLE MODELS****UYGUN OEM NO / REPLACING OE-REF**

832 212 41

**ALFA ROMEO****FIAT****DUCATO****MOTOR NO / UNIT NO**

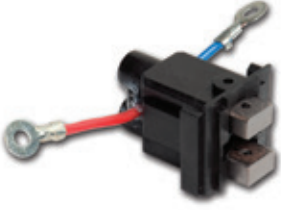
E80 0,8/1-12

632 228 31-33,36-38

632 230 31-34

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

## FO 0681



FX-68 4,5 x 8,2 x 17,3 12 Volt

UYGUN OEM NO / REPLACING OE-REF

## MOTOR NO / UNIT NO

DELCO / FORD 2T1U10300AB  
2T1U10300AD  
2T1U10300CF  
2T1U10300AG  
1S7T10300BA, -BB, -DB, -DC  
VISTEON 2015001010

2 KÖMÜRLÜ / WITH 2 BRUSHES

ARAÇ MODELİ / VEHICLE MODEL  
FORD CONNECT, FOCUS,  
MONDEO

## FO 0711



FX 70-71 4,5 x 16 x 14 12 Volt

UYGUN OEM NO / REPLACING OE-REF

E90Z-11061-A,B,C

## MOTOR NO / UNIT NO

E90F-11000-AA, -BA  
E9SF-11000-AA, -BA  
F02F-11000-AA  
F07U-11000-AA, -BA  
FOCF-11000-AA, -BA  
FOOU-11000-AA  
F13U-11000-AA  
F17U-11000-AB  
F1VU-11000-AA  
PMGR-Starter  
Ford USA

2 KÖMÜRLÜ / WITH 2 BRUSHES

ARAÇ MODELİ / VEHICLE MODELS  
FORD MONDEO, TRANSIT,  
ESCORT

## FO 0721



FX 70-72 4,5 x 16 x 14 12 Volt

UYGUN OEM NO / REPLACING OE-REF

F3RZ-11061-A

## MOTOR NO / UNIT NO

93BB-11000-HB, -JB, -JC,  
93BB-11000-KA, -KB, -KC  
PMGR-Starter  
Ford Europe

2 KÖMÜRLÜ / WITH 2 BRUSHES

ARAÇ MODELİ / VEHICLE MODEL  
FORD MONDEO, TRANSIT,  
ESCORT

## FO 0731



FX-73 6x13x14 12 Volt

UYGUN OEM NO / REPLACING OE-REF

1S7U11000AB, -AC,  
2S6U11000EB, 96BB11000AA, -AB, -AC,  
98AB11000BB, -BC, -CC, -CD,  
YS4U11000AA, -BA

## MOTOR NO / UNIT NO

96BB-11000-AA  
98AB-11000-CD  
2W93-11000-AA

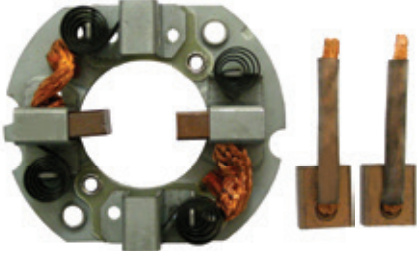
4 KÖMÜRLÜ / WITH 4 BRUSHES

ARAÇ MODELİ / VEHICLE MODEL  
FORD CONNECT, FOCUS,  
FIESTA, MONDEO

**FO 0751****FX-75****8,2x18,9x17,8****12 Volt****ARAÇ MODELİ / VEHICLE MODEL**  
**FORD****UYGUN OEM NO / REPLACING OE-REF**  
F7RU-11434-BATRANSIT,  
MOTORCRAFT V.184  
VISTEON**MOTOR NO / UNIT NO**97BB-11000-BB, BC, 97VB-11000-AA, AB  
98AB-11000-AC, 98VB-11000-BA, B1A, B3A  
12V 1.9 kW**4 KÖMÜRLÜ / WITH 4 BRUSHES**



## HI 0811



JASX 80-81

7x14x16

12 Volt

ARAÇ MODELİ / VEHICLE MODELS

MITSUBISHI  
NISSAN

UYGUN OEM NO / REPLACING OE-REF

2114-4311  
2114-29007  
2114-39001  
2114-49007  
2114-69008  
2114-79001  
2114-89007

MOTOR NO / UNIT NO

S114-252,252A,253A,254A  
S114-357A,374B,393, 480,481  
Nissan 23378-05E00

4 KÖMÜRLÜ / WITH 4 BRUSHES

## HI 4551



JASX 54-55

4,5x14x15

12 Volt

ARAÇ MODELİ / VEHICLE MODEL

AUDI,  
VOLKSWAGEN  
ISUZU  
NISSAN, INFINITI

UYGUN OEM NO / REPLACING OE-REF

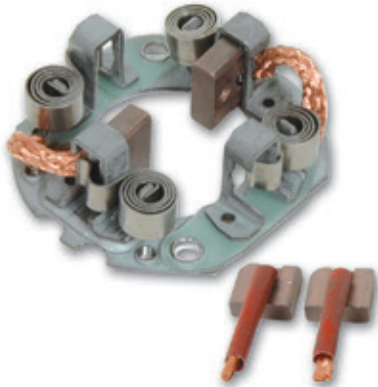
2114 - 23106, 53105, 63104, 73105

MOTOR NO / UNIT NO

S114 - 750, 758, 762A, 762B, 765, 766A, 775A,  
780, 800, 800A, 800B, 801A, 801B, 801C, 804, 805A,  
806A, 808, 816, 818A, 850  
09A-911-023, 09A-911-023X  
2912762340,8912762340, 8943647220, 8943647221,  
8971239230  
23300-1E400, 23300-1E400R, 23300- 65Y01, 23300-65Y01R,  
23300-70Y00, 23300- 70Y01, 23300-70Y01R, 23300-81N00,  
23300- 81N01, 23300-81N11, 23300-97E00, 23300-97E01,  
23300-AM600, 23300-AM60A, 23300-CG000, 23300-CG00A

3 KÖMÜRLÜ / WITH 3 BRUSHES

## HI 4751



JASX 74-75

7x19x16

12 Volt

ARAÇ MODELİ / VEHICLE MODEL

NISSAN PICK UP 2300D, 2500D  
2700D, ALMERA  
PRIMERA, SUNNY  
TERRANO 2.7 TD  
CABSTAR

UYGUN OEM NO / REPLACING OE-REF

2130-1306, 2130-13022, 2240-3310, 2114-4311

MOTOR NO / UNIT NO

S13-62, 62B, 64, 69, 83, 84, 89A,  
S13-89B, 92A, 100, 104, 106B  
S13-107A, 114, 121

BEDFORD

VOLVO

OPEL

BMC

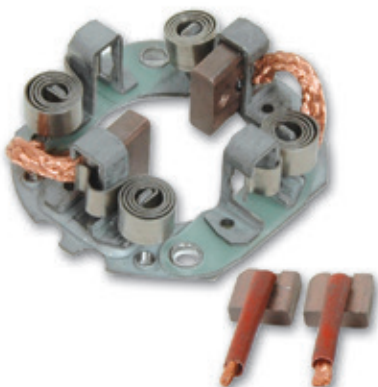
NISSAN

ISUZU

240, 740, 760  
CORSA 1.5, 1.7 D  
LEVEND  
2500/3000 D

4 KÖMÜRLÜ / WITH 4 BRUSHES

## HI 4752



JASX 74-75 H

7x19x16

24 Volt

ARAÇ MODELİ / VEHICLE MODEL

ISUZU

ŞAMPİYON, NPR, NKR  
NQR, NKR WIDE  
OTOBÜS / BUS

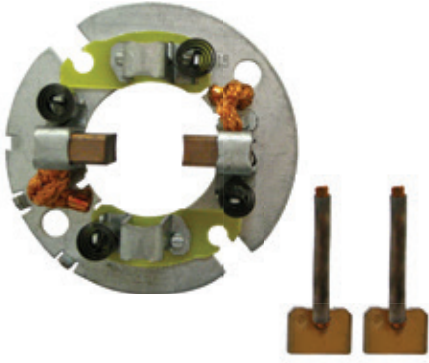
UYGUN OEM NO / REPLACING OE-REF

2240-4310

MOTOR NO / UNIT NO

S25-163A, -B, -C, -E, -F, -G, 167, -168, -168A, -171,  
501, 501A  
8970324640  
324642  
655260  
958112

4 KÖMÜRLÜ / WITH 4 BRUSHES

**HI 6371****JASX 36-37****8x25x18****12 Volt****UYGUN OEM NO / REPLACING OE-REF**

028510-5010

**MOTOR NO / UNIT NO**

0311-4010, 4200

128000-0832, 5350, 5760, 9560,

0228000-0200, 0391

Nissan 23379-J5500

Isuzu 1-81116-023-0

23380-J5500

1-81116-024-0

23331-Z9002

5-81116-024-0

23331-Z9003

5-81116-025-0

28331-Z9000

8-97030-389-0

28331-Z9001

**4 KÖMÜRLÜ / WITH 4 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL****KIA**

BONGO, PREGIO, BESTA

**ISUZU**

FORKLIFT 2.2 KW

**NISSAN**

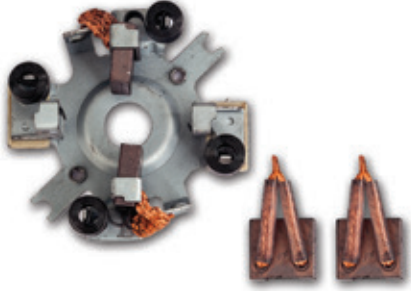
**LU 0361****LASX 36****9x20x26****12 Volt****UYGUN OEM NO / REPLACING OE-REF**TAB104, SSP0004, 54245374,  
54245374010**MOTOR NO / UNIT NO**M50., 063227501010,  
063227502010, 063227510010,  
063227512010, 063227518010,  
063227533010, 063227541010,  
63227547010**ARAÇ MODELİ / VEHICLE MODEL**FORD 750-1210  
OTOSAN  
BMC 100, 135, 140  
LEYLAND 140, 1340  
CHRYSLER  
GENOTO  
BEDFORD  
CARGO  
HEMA  
M. FERGUSON**4 KÖMÜRLÜ / WITH 4 BRUSHES****LU 5161****LASX 15-16****7,9x19,05x22,2****12 Volt****UYGUN OEM NO / REPLACING OE-REF**TAB102, SSP005, 54266043,  
54266043010**MOTOR NO / UNIT NO**2M113, 3M113, 063227408010,  
063227409010, 063227412010,  
063227415010, 063227416010,  
063227417010, 063227419010**ARAÇ MODELİ / VEHICLE MODEL**BMC  
ROVER OFF-ROAD  
DEFENDER 2.5 d  
LAND ROVER 2.25 d**4 KÖMÜRLÜ / WITH 4 BRUSHES****LU 5162****LASX 15-16 H****7,9x19,05x22,2****24 Volt****UYGUN OEM NO / REPLACING OE-REF**

54290531

**MOTOR NO / UNIT NO**

M 113 -24V Starters

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**MA 1221**

**MASX 21-22**      **8x25x23**      **24 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

 721 650 01,  
 072165001000 - MAKO,  
 7984628 - FIAT

**MOTOR NO / UNIT NO**

 632 167 01-04,06-08,10,25-27,31,  
 632 167 33, 38, 40, 41, 47, 48, 63  
 MT67 - 24 Volt

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODELS**
**IVECO**      EUROCARGO,  
**FIAT**      ALLIS  
             MK  
             ZETA

**MA 3241**

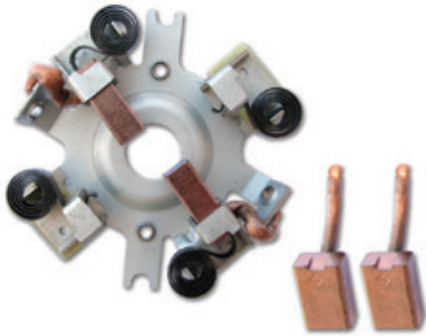
**MASX 21-22**      **10x25x23**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

721 647 01

**MOTOR NO / UNIT NO**

632 168 17, 18, 31, 52, 61, 84, 96

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**
**CHRYSLER**  
**DODGE**      DESOTO-FARGO, AS900  
**FIAT**      TRAKTÖR / TRACTOR  
**FORD**      D1210, CARGO, GENOTO  
             BEDFORD

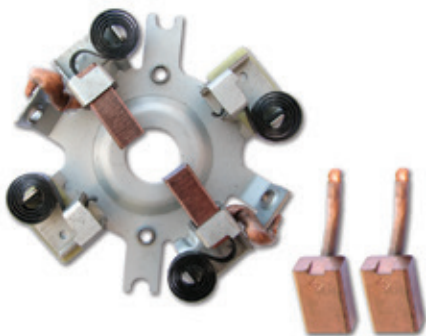
**JOHN DEERE**  
**LOMBARDINI,**  
**M. FERGUSON**  
**TOE**
**MA 5261**

**MASX 25-26**      **9x16x23**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

2 004 336 021

**MOTOR NO / UNIT NO**

 0631 180 01009  
 0632 071 43 00

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**
**FIAT**      AGRICULTURE,  
             ALLIS, COMMERCIAL

**MA 7281**

**MASX 27-28**      **9x16x23**      **24 Volt**
**UYGUN OEM NO / REPLACING OE-REF**

 8190402 Fiat  
 072164102010 Lucas  
 72164102 Magneti Marelli  
 072164102000 Mako

**MOTOR NO / UNIT NO**

 4691200 , 4706931, 4744841, 4752403 ,  
 4807377 , 6706931 , 77050561, 77080560,  
 77080561  
 11.130.146 , 11.130.216 , azj3520, azj3542  
 4744841  
 30281018, 63217201, 63217225, 63217226  
 mt72a , mt72aa , mt72ab

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**
**IVECO**      AIFO , ZETA  
**FIAT**      ALLIS , BENFRA, OTOYOL,  
**ISUZU**

**MI 0411**



**JASX 40-41**      **4,5x12x17,5**      **12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**

M649T01271, 649T09371  
36169-32510  
36170-32500

**MOTOR NO / UNIT NO**

M1T70481, 70485, 70781, 70781 A, 71081, 71281  
71281A, 71281B, 71381, 71581, 71681, 71881,  
71881A, 77581

**ARAÇ MODELİ / VEHICLE MODEL**

**HYUNDAI**      SONATA, ELANTRA,  
H 100  
**MITSUBISHI**      COLT, GALANT, LANCER  
L200, L300, PAJERO  
**MAZDA**      (ŞANZIMANLI TİP /  
GEAR REDUCTION STARTER)  
**KIA**  
**RENAULT**      CLIO 1.5 D

**3 KÖMÜRLÜ / WITH 3 BRUSHES**

**MI 1391**



**JASX 39 C**      **6,5x8x10**      **12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**

28514-5020

**MOTOR NO / UNIT NO**

128000-2520, 2631, 2800, 2820, 2980, 3090, 3530, 4060, 423

**ARAÇ MODELİ / VEHICLE MODEL**

**FORD**      ESCORT, FIESTA 1.2 - 1.3  
**MAZDA**  
**TOYOTA**  
**SUZUKI**      ALTO, CARRY

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**MI 1701**



**JASX 70**      **6,8x11,8x17,2**      **12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**

M649T04171, M649T04973, M649T04471, M649X03171,  
M649X09571, 84171T, 84571  
M649X09571, 23378-N5912

**MOTOR NO / UNIT NO**

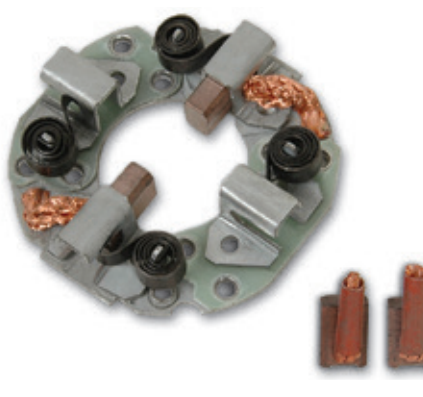
M3T10172, -10271, -10272, -10372, -10473, -10475, -10476, -10672  
M2T23685, 25681, 25481, 50181, 50585, 51085, 51181, 53383, 52181,  
52681, 52881, 52882, 53181, 53781, 53785, 58581,  
M2T25481, 50181, 50585, 51082, 51083, 51085, 52181, 52681, 52881,  
52882, 53181, 53781, 53785, 58581,  
M3T21882D, 23300-00H10, 23378, 23378-N5911,  
23380-U0110/B5010/E3010,  
MD602468, 602740

**ARAÇ MODELİ / VEHICLE MODEL**

**HYUNDAI**      ELANTRA, SONATA,  
H 100  
**MITSUBISHI**      COLT, LANCER, L200,  
L300, PAJERO  
**NISSAN**      SUNNY ALMERA,  
PRIMERA  
**KIA**  
**CITROEN**  
**SUZUKI**  
**PEUGEOT**  
**MAZDA**      SEPHIA

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**MI 1702**



**JASX 70 H**      **6,8x11,8x17,2**      **24 Volt**

**UYGUN OEM NO / REPLACING OE-REF**

M649X20771-ME701495

**MOTOR NO / UNIT NO**

M2T87871  
M8T80071, -A -80171, -80471, -80472, -80571, -85071

**ARAÇ MODELİ / VEHICLE MODEL**

**MAZDA**  
**MITSUBISHI**      CANTER 659  
**NISSAN**

**4 KÖMÜRLÜ / WITH 4 BRUSHES**



**MI 1711**

**JASX 71**
**8x24x17**
**12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
M649T02171

**MOTOR NO / UNIT NO**

MITSUBISHI  
M2T60071-073, 60171, 60185, 60271, 60371  
92071, 92271

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**
**MAZDA**  
**MITSUBISHI** PAJERO GALANT  
L300 EM  
**PROTON** PERSONA

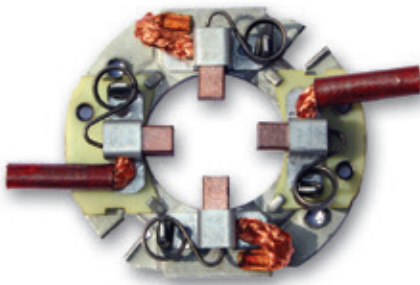
**MI 2431**

**JASX 42-43**
**4,5x18x17,5**
**12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
M649T01671

**MOTOR NO / UNIT NO**

M1T74081, 74181, 74281, 74283, 74381, 74481, 74482, 74581,  
74583, 74781, 74781A, 75181, 75281, 75283,  
75381, 75581, 75681, 76081, 76281

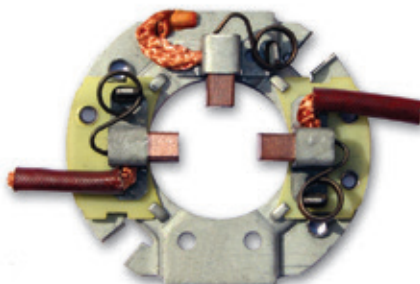
**3 KÖMÜRLÜ / WITH 3 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**
**SUBARU** IMPREZA, LEGACY,  
OUTBACK

**MI 2831**

**JASX 82-83/4**
**7x10x17**
**12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
M649T01371, 02271, 04871

**MOTOR NO / UNIT NO**

M2T2018D, 32782D, 37081, 41181, 41182, 42481, 42781,  
42881, 42981, 44081, 48081, 49281, 49282

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**
**HYUNDAI** ACCENT, ELANTRA,  
SONATA,  
323, 626  
**MAZDA**  
**NISSAN** PATROL, BLUEBIRD,  
VANETTE, PICK UP,  
TERRANO

**MI 2832**

**JASX 82-83/3**
**7x10x17**
**12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
M649T04471- M649X09571

**MOTOR NO / UNIT NO**

M2T50181, 50585, 51085, 52181, 52681, 52881, 52882,  
53181, 53781, 53785, 58581  
M3T21882D

**3 KÖMÜRLÜ / WITH 3 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**
**HYUNDAI** ACCENT, ELANTRA, PONY,  
SONATA, ERA  
323, 626  
**MAZDA**  
**NISSAN** CHERRY, MICRA, SUNNY,  
PRAIRIE,  
**MITSUBISHI** COLT, CELESTE, CORDIA,  
GALANT, LANCER, L200,  
L300, PAJERO  
**PROTON** PERSONA

**MI 4281**



JASX 44-28/0

4,5x12x12,5

12 Volt

**UYGUN OEM NO / REPLACING OE-REF**  
MITSUBISHI

**MOTOR NO / UNIT NO**  
M000T91581

**ARAÇ MODELİ / VEHICLE MODEL**  
RENAULT

CLIO II 1.5 DCI, 1.4,  
CLIO III 1.5 DCI,  
KANGOO, EXPRESS  
1.5 DCI, MODUS,  
MEGANE, SCENIC 1.4,  
1.5 DCI

**3 KÖMÜRLÜ / WITH 3 BRUSHES**

**MI 4282**



JASX 44-28/00

4,5x12x12,5

12 Volt

**UYGUN OEM NO / REPLACING OE-REF**  
MITSUBISHI

**MOTOR NO / UNIT NO**  
MOT20871  
M321X45071

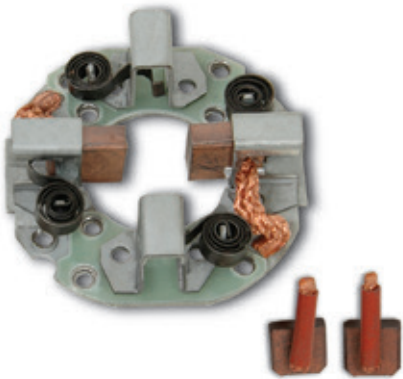
**ARAÇ MODELİ / VEHICLE MODEL**  
CITROEN

BERLINGO, C4, C5,  
C8, C15, EVASION,  
JUMPER, JUMPY,  
XANTIA, XSARA  
FIAT  
PEUGEOT

DUCCATO, SCUDO, ULYSSE  
206, 306, 307, 407, 407,  
607, 806, 4007, BOXER,  
EXPERT, PARTNER

**3 KÖMÜRLÜ / WITH 3 BRUSHES**

**MI 6971**



JASX 96-97

6x18x18

24 Volt

**UYGUN OEM NO / REPLACING OE-REF**  
M649T05072, M648X28671

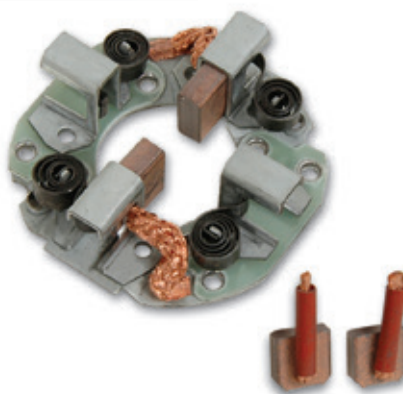
**MOTOR NO / UNIT NO**  
M2T 64271, 65272, 66871, 66873, 67871,  
67873, 67881, 67883, 67981  
M8T 70710, 80071, 80071A, 80071B, 85071B  
ME012994, 012995, 014418, 017492, 017646

**ARAÇ MODELİ / VEHICLE MODEL**  
MITSUBISHI

CANTER 429 (1994-2000)

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**MI 8991**



JASX 98-99

6,8x18x18

12 Volt

**UYGUN OEM NO / REPLACING OE-REF**  
M648X28271, ME700127  
M649T05071, 05072

**MOTOR NO / UNIT NO**  
M2T 54172, 54271, 54371, 54372, 54572, 55971, 56071,  
56171, 56181, 56182, 56271, 56272, 56471,  
56472, 56971, 57271, 61071, 61171, 61371,  
61471, 61771, 62271, 65271, 65971

**ARAÇ MODELİ / VEHICLE MODEL**  
MITSUBISHI

CANTER L200, L300,  
PAJERO, SHOgun, COLT,  
LANCER,

HYUNDAI

H100,  
STAREX

NISSAN

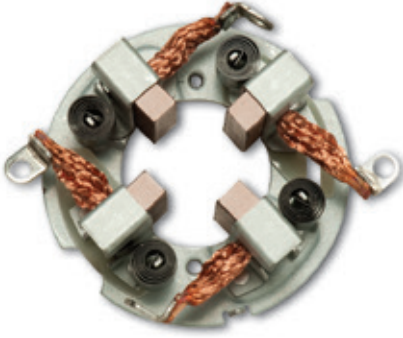
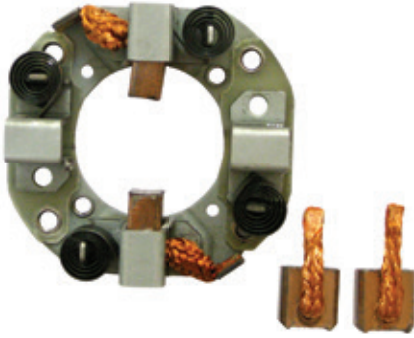
PICKUP 2300, 2500 D,  
323, 626,

MAZDA

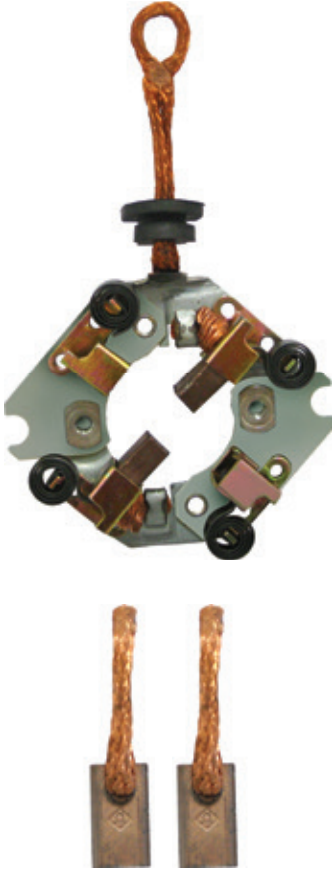
VITARA

SUZUKI

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ND 0111****JASX 10-11****10x30x20****12/24 Volt****UYGUN OEM NO / REPLACING OE-REF**  
028510-0880**MOTOR NO / UNIT NO**128000-2450, 2470, 3361, 4250, 4682, 4685  
228000-331, 332, 573, 585, 700  
3.0/5.5 kW**ARAÇ MODELİ / VEHICLE MODEL****ISUZU****CATERPILLAR****DODGE****GMC****HINO****CUMMINS****TRACTOR****TRACTOR****5.5 KW, KIRKAYAK****4 KÖMÜRLÜ / WITH 4 BRUSHES****ND 0521****JASX 52****6.5x13x14****12 Volt****UYGUN OEM NO / REPLACING OE-REF**  
028510-5190**MOTOR NO / UNIT NO**1280005210, 1280005211, 1280005680,  
1280005682, 1280006420, 1280006422,  
1280006720, 1280006721, 1280007400**ARAÇ MODELİ / VEHICLE MODELS****TOYOTA****COROLLA****4 KÖMÜRLÜ / WITH 4 BRUSHES****ND 0841****JASX 84****7x16x14****12 Volt****UYGUN OEM NO / REPLACING OE-REF**  
028510-0750, -5320**MOTOR NO / UNIT NO**028000-6260, 8990, 9321  
1.4 kW OSGR- Marş motoru / Starter**ARAÇ MODELİ / VEHICLE MODEL****TOYOTA****HONDA****DAIHATSU****CORONA, COROLLA****CARINA, CAMRY, CELICA****ACCORD****APPLAUSE****4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ND 0851**



**JASX 85**

**6.5x10x16**

**12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**

028510-0560

**MOTOR NO / UNIT NO**

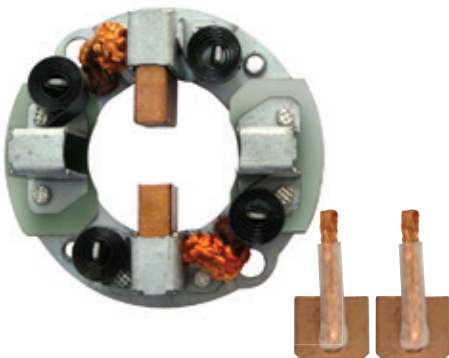
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87734, 28100-87734-000, 28100-  
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94439315, 96051950, 96054059, 96062498  
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016, 31200-PA5-9112, 31200-PB1-934, 31200-PC0-004, 31200-  
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8941313560, 8941313561, 8941313562, 8942178712,  
8944121420, 8944121421, 8944393150, 8944393151  
B6DK-18-400  
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5700, 42991-6200, 42991-7000, 42991-7110, 42991-7120, 42991-  
7130, 42991-7400  
31100-78310, 31100-78420, 31100-79661, 31100-82011, 31100-  
82610, 31100-82611, 31100-82612, 31100-826A1, 31100-84350  
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13030, 28100-15010, 28100-15011, 28100-15031, 28100-15060,  
28100-15110, 28100-15160, 28100-15170, 28100-23800-71,  
28100-27020, 28100-31020, 28100-31021, 28100-31030, 28100-  
37010, 28100-37011, 28100-41050

**ARAÇ MODELİ / VEHICLE MODELS**

DAIHATSU  
TOYOTA  
DAIHATSU MOTOR CO FREIGHTLINER  
GM  
HONDA, ACURA  
ISUZU  
MAZDA  
NEW HOLLAND  
SUBARU  
SUZUKI  
TOYOTA

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ND 0881**



**JASX 88**

**8x25x21**

**12 Volt**

**UYGUN OEM NO / REPLACING OE-REF**

028510-0500

**MOTOR NO / UNIT NO**

02800-5510, 5860,  
02800-6290, 6870,  
02800-7240, 8070  
12800-1790, 3080

**ARAÇ MODELİ / VEHICLE MODELS**

DAIHATSU  
HINO  
ISUZU  
KOMATSU  
MITSUBISHI  
TOYOTA

**4 KÖMÜRLÜ / WITH 4 BRUSHES**



**ND 1021**
**YENİ - NEW**

**JASX 101-102      4,5x14x10,5      12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**
**MOTOR NO / UNIT NO**

Denso 428000-0670,-0680 - 0700,-1640,-17500  
 1454651, 1935477,1935485  
 6667825  
 116928A1, 116928A2, 116928A23, 193432A1, 193432A2,  
 1987565C1, 1987566C1, 332443A1, 8605784, A186247,  
 A187615, D129494  
 OR4318, OR9226, 1053133, 10R- 0754, 111-9860, 111- 9860,  
 234-2637, 3E5381, 3E5382, 6T0380, 7C5731, 8C4774, 9W2946,  
 9W3748  
 4428221  
 C07825, C07837  
 65.26201-7050  
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 28100-1863, 28100-1863D  
 2509687C91, 2585347C91, 2589223C91, 2589223C91,  
 2593562C91, 2593563C91, 2593564C91, 3520840C91,  
 3549408C91, 3591688C91, 3595800C91  
 1811002301, 1811002310, 1811002340, 1811002341,  
 1811002390, 1811002461, 1811002610, 1811002990,  
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 8971197490, 8975002310, 8975003580, 8975003581  
 7026921  
 AT195414, RE500199, RE500345, RE501050, RE501060,  
 RE501060, RE501150, RE501298, RE501298, RE501298,  
 RE502811, RE504244, RE504245, RE506079, RE506103,  
 RE506105, RE520634, RE525468, RE528619, RE529661,  
 RE533091, RE534934, RE534961, RE537519, RE539695,  
 RE65817, RE69704, RE69705, RE70473, RE70474, RE70957,  
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 SE501403,SE501403, SE501403, SE501405, SE501406,  
 SE501407, SE501853, SE501866,SE501872, SE502559, TY24439,  
 TY24439, TY24440, TY24441, TY24443, TY24444  
 600-863-5110, 600-863-5111  
 193432A2, 8605784, 87413501  
 61230354, 61230355, 61230359, 61230373, 61230712,  
 61231320

**ARAÇ MODELİ / VEHICLE MODELS**

BLUEBIRD BUS  
 BOBCAT  
 CASE  
 CATERPILLAR  
 CHRYSLER  
 CLARK  
 DAEWOO MOTOR CO  
 GM  
 HINO  
 IHC, NAVISTAR  
 ISUZU  
 JLG INDUSTRIES  
 JOHN DEERE  
 KOMATSU  
 NEW HOLLAND  
 THOMAS BUILT BUSES

**3 KÖMÜRLÜ / WITH 3 BRUSHES**
**ND 2011**
**YENİ - NEW**

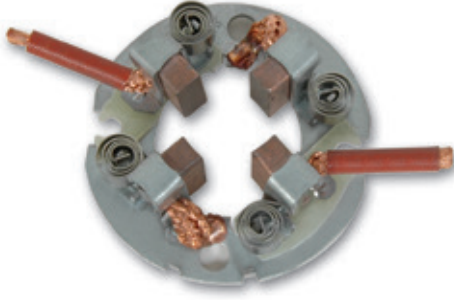
**HYUNDAI ERA      5x10,6x12,5      12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**
**MOTOR NO / UNIT NO**

3610003100

**ARAÇ MODELİ / VEHICLE MODEL**

HYUNDAI      ACCENT, i10, i20, i30

**3 KÖMÜRLÜ / WITH 3 BRUSHES**

**ND 7781****JASX 77-78****8x25x15****12 Volt****UYGUN OEM NO / REPLACING OE-REF**

028510-0640, 0840, 5010, 5500

**MOTOR NO / UNIT NO**

028000-7000, 7740, 7790, 8130, 9830

128000-0570, 9830, 0040, 0832, 0960, 1040, 3101, 3250,  
3420, 5350, 028000-7001, 7370, 8760, 8762, 9830

Daihatsu	28140-54070-000	Isuzu	5-81116-040-0
	28140-64040-000		5-81118-021-0
	28140-87706-000		8-94167-430-0

Komatsu	028510-0640
Mazda	RE01-24-750
Toyota	28140-54070
	28140-64040

**4 KÖMÜRLÜ / WITH 4 BRUSHES****ARAÇ MODELİ / VEHICLE MODEL**

<b>KIA</b>	SPORTAGE, BESTA CERES
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**DAIHATSU****MAZDA**323 D, 626 D, E 2200  
MAZDA PICKUP**TOYOTA**COROLLA 1.8 D, 2.0 D  
CARINA 2.0 D  
CAMRY 1.8, 2.0 D  
TOYOTA LAND CRUISER  
2.4 D, TD, HI-LUX 2, 4

**VA 1290**


PSX 129'a uygun. / Suitable for PSX 129

**MOTOR NO / UNIT NO**

 D8E103  
 D9E31, 40, 43-46, 49-55, 62, 74, 75, 77, 79, 85, 87, 95, 98, 100,  
 102-104 S, 111, 131, 138, 140, 200, 238, 300, 771-774,  
 776, 851, 852

 Alüminyum somun opsiyonel  
 Aluminium nut optional

**ARAÇ MODELİ / VEHICLE MODEL**

<b>VOLKSWAGEN</b>	GOLF, JETTA, PASSAT TRANSPORTER
<b>RENAULT</b>	9, R 11, R21, CLIO MEGANE, TRAFFIC SAFRANE
<b>SEAT</b>	TOLEDO
<b>CITROEN</b>	
<b>PEUGEOT</b>	309,
<b>VOLVO</b>	340, 440, 460, 480

**VA 1291**

**PSX 129 10,6/6,1x10,3x15 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
 92 882

**MOTOR NO / UNIT NO**

 D8E103  
 D9E31, 40, 43-46, 49-55, 62, 74, 75, 77, 79, 85, 87, 95, 98, 100,  
 102-104 S, 111, 131, 138, 140, 200, 238, 300, 771-774,  
 776, 851, 852

**3 KÖMÜRLÜ / WITH 3 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

<b>VOLKSWAGEN</b>	GOLF, JETTA, PASSAT TRANSPORTER
<b>RENAULT</b>	9, R 11, R21, CLIO MEGANE, TRAFFIC SAFRANE
<b>SEAT</b>	TOLEDO
<b>CITROEN</b>	
<b>PEUGEOT</b>	309
<b>VOLVO</b>	340, 440, 460, 480

**VA 1330**


PSX 133'e uygun. / Suitable for PSX 133

**MOTOR NO / UNIT NO**

 D9E36, 38, 39, 48, 56, 57, 61, 64, 66, 68, 70, 76, 78, 81, 83,  
 86, 92, 94, 100, 107, 110, 113, 114, 123, 125, 127,  
 129, 132, 136, 137, 237, 276, 701, 702, 861

 Alüminyum somun opsiyonel  
 Aluminium nut optional

**ARAÇ MODELİ / VEHICLE MODEL**

<b>RENAULT</b>	5, 9, 19, 21, MEGANE TRAFFIC, CLIO 1.2, 1.4
<b>FORD</b>	ESCORT, FIESTA

**VA 1331**

**PSX 133 13,9/6,9x12x15 12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
 594132-385

**MOTOR NO / UNIT NO**

 D9E36, 38, 39, 48, 56, 57, 61, 64, 66, 68, 70, 76, 78, 81, 83,  
 86, 92, 94, 100, 107, 110, 113, 114, 123, 125, 127,  
 129, 132, 136, 137, 237, 276, 701, 702, 861

**2 KÖMÜRLÜ / WITH 2 BRUSHES**
**ARAÇ MODELİ / VEHICLE MODEL**

<b>RENAULT</b>	5, 9, 19, 21, MEGANE TRAFFIC, CLIO 1.2, 1.4
<b>FORD</b>	ESCORT, FIESTA

**VA 1441**



PSX 142-144 7x14x13,7 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

Anticlockwise  
Saat Yönü Ters  
Brush Holder For D7R

**MOTOR NO / UNIT NO**

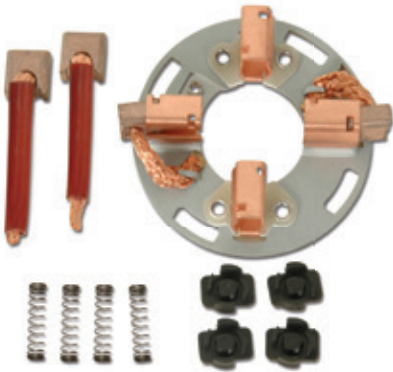
D7RS131, -31, D7RS130, -30, D7RS129, -29  
RE501680, RE501693, RE502156, RE502196, RE60641,  
RE63010, SE501861

**ARAÇ MODELİ / VEHICLE MODEL**

**AUDI** A2, A3  
**FORD** GALAXY  
**SEAT** ALHAMBRA, AROSA,  
CORDOBA, IBIZA,  
LEON, TOLEDO,  
**SKODA** OCTAVIA,  
**VOLKSWAGEN** BORA, GOLF, PASSAT,  
POLO, SHARAN,  
VENTO, CADDY,  
TRANSPORTER  
**JOHN DEERE**

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**VA 1442**



PSX 142-144 7x14x13,7 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

Clockwise / Saat Yönü  
Brush Holder For D7R

**MOTOR NO / UNIT NO**

D7R123, -19, -28, -281, -43, -46  
D7R13, -18, -25, -35, -5  
D7R1, -11, -3, -45  
D7R12, -20, -27, -4  
D7R22  
D7R33  
D7R48  
D7R16

**ARAÇ MODELİ / VEHICLE MODEL**

**VOLVO** S40, 440, 460  
**AUDI** 80, 90 A4, A6  
**VOLKSWAGEN** PASSAT  
**CITROEN** C5, EVASION, XANTIA,  
BERLINGO, JUMPER, JUMPY,  
ELANTRA  
**HYUNDAI** ZETA  
**LANCIA** ZETA  
**PEUGEOT** 106, 206, 306, 405, 406, 605,  
806, BOXER, EXPERT, PARTNER  
METRO  
**BMC** MICRA  
**NISSAN** MEGANE, CLIO, R 19, SAFRAN,  
**RENAULT** C200D, E200D, E250D, E290D,  
**MERCEDES** V200, V220, 409D, 612D,  
812D, SPRINTER, VITO

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**VA 1480**



PSX 148'e uygun. / Suitable for PSX 148

**UYGUN OEM NO / REPLACING OE-REF**

594070, 183957, 186381

**MOTOR NO / UNIT NO**

D6RA5, 6, 12, 16, 18, 20, 33, 37, 38, 45, 61

**ARAÇ MODELİ / VEHICLE MODEL**

**RENAULT** CLIO, KANGOO, LAGUNA  
MEGANE, 19, 21  
**FIAT** DUCATO  
**CITROEN** XSARA, BERLINGO  
JUMPER  
**SEAT** IBIZA  
**PEUGEOT** PARTNER, 106  
206, 306,  
**OPEL** ASTRA, CORSA, VECTRA  
**SUZUKI** GRAND, VITARA

**VA 1491**



PSX 148-149 4,5/9x11x18 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

594070, 183957, 186381

**MOTOR NO / UNIT NO**

D6RA5, 6, 12, 16, 18, 20, 33, 37, 38, 45, 61

**ARAÇ MODELİ / VEHICLE MODEL**

**RENAULT** CLIO, KANGOO, LAGUNA  
MEGANE, 19, 21  
**FIAT** DUCATO  
**CITROEN** XSARA, BERLINGO,  
JUMPER  
**SEAT** IBIZA  
**PEUGEOT** PARTNER, 106  
206, 306,  
**OPEL** ASTRA, CORSA, VECTRA  
**SUZUKI** GRAND, VITARA

**2 KÖMÜRLÜ / WITH 2 BRUSHES**

**VA 1551**

**PSX 155**      **6,4x8x11**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
187517, 594290

**MOTOR NO / UNIT NO**  
D7E 1, 4, 6, 8, 15, 16, 18-20, 22, 27, 29-32,  
D28

**ARAÇ MODELİ / VEHICLE MODEL**  
**RENAULT**      CLIO 11, 1.2, 1.6,  
LAGUNA, MEGANE 1.4, 1.6  
KANGOO, TWINGO  
**MERCEDES**  
**PEUGEOT**  
**CITROEN**  
**VOLKSWAGEN**      A 140, A 160

**4 KÖMÜRLÜ / WITH 4 BRUSHES**
**VA 1571**

**PSX 148-157**      **4,5/9x11x18**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
594129, 130, 253

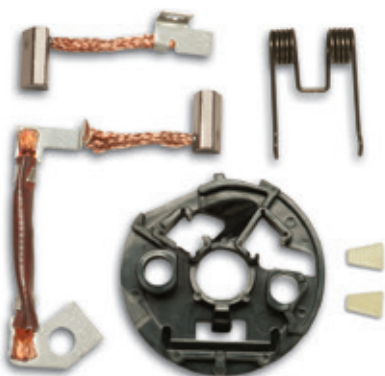
**MOTOR NO / UNIT NO**  
D6RA7, 13, 15, 17, 19, 21-23, 25-30, 32, 34, 39-44, 46, 48-50,  
52-56, 59, 60, 63, 66, 70, 72, 75, 141, 161, 661, 721

**ARAÇ MODELİ / VEHICLE MODEL**  
**BMW**      MOTORSİKLET /  
MOTORCYCLE  
**OPEL**      ASTRA, CORSA,  
**FIAT**      MAREA  
**VOLVO**      S40  
**RENAULT**      SAFRANE

**2 KÖMÜRLÜ / WITH 2 BRUSHES**
**VA 1572**

**PSX 148-157**      **4,5/9x11x18**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
594129, 130, 253

**MOTOR NO / UNIT NO**  
D6RA7, 13, 15, 17, 19, 21-23, 25-30, 32, 34, 39-44, 46, 48-50,  
52-56, 59, 60, 63, 66, 70, 72, 75, 141, 161, 661, 721  
kablo boyu / cable length **110 mm**
**ARAÇ MODELİ / VEHICLE MODEL**  
**BMW**      MOTORSİKLET /  
MOTORCYCLE  
**OPEL**      ASTRA, CORSA  
**FIAT**      MAREA  
**VOLVO**      S40  
**RENAULT**      SAFRANE

**2 KÖMÜRLÜ / WITH 2 BRUSHES**
**VA 1581**

**PSX 148-158**      **4,5/9x11x18**      **12 Volt**
**UYGUN OEM NO / REPLACING OE-REF**  
594132, 385

**MOTOR NO / UNIT NO**  
D6RA 33, 37, 47, 51, 57, 101, 133, 571

**ARAÇ MODELİ / VEHICLE MODEL**  
**CITROEN**  
**VOLVO**  
**RENAULT**      MEGANE DIESEL

**2 KÖMÜRLÜ / WITH 2 BRUSHES**



## VA 1591



PSX 148/159

4,5/9x11x18

12 Volt

ARAÇ MODELİ / VEHICLE MODEL

UYGUN OEM NO / REPLACING OE-REF

594318, 323, 359, 364

OPEL  
RENAULT

MOTOR NO / UNIT NO

D6RA67, 78-81, 91, 167, 180, 181

2 KÖMÜRLÜ / WITH 2 BRUSHES

## VA 1641



PSX 160-164

7x13x11,5

12 Volt

ARAÇ MODELİ / VEHICLE MODELS

UYGUN OEM NO / REPLACING OE-REF

191141,1918  
191060,1918

AUDI

BMW

RENAULT

MASTER

PSA

OPEL

MOVANO

NISSAN, INFINITI

RENAULT

MOTOR NO / UNIT NO

23300-00QAF, 7711134330, 7711134931,  
8200106788, 8200634602  
D7G... SH clockwise

4 KÖMÜRLÜ / WITH 4 BRUSHES

## VA 1642



PSX 163-164

7x13x11,5

12 Volt

ARAÇ MODELİ / VEHICLE MODELS

UYGUN OEM NO / REPLACING OE-REF

190987,191824,193288

VW

CADY

MOTOR NO / UNIT NO

D7G... SIH anticlock

4 KÖMÜRLÜ / WITH 4 BRUSHES

## VA 1671



PSX 166-167

3,9/6,4x10x15,5

12 Volt

ARAÇ MODELİ / VEHICLE MODEL

UYGUN OEM NO / REPLACING OE-REF

Saat Yönü / Clockwise  
1,1-1,3kW  
Brush Holder For D6G...

CITROEN

LANCIA

PEUGEOT

FIAT

ALBEA, DOBLO 1.3 Multijet

OPEL

CORSA, COMBO 1,3 CDTI

MOTOR NO / UNIT NO

D6G1, -2, -3, -32, -5

4 KÖMÜRLÜ / WITH 4 BRUSHES

**VA 1672****PSX 166-167****3,9/6,4x10x15,5****12 Volt****ARAÇ MODELİ / VEHICLE MODEL****AUDI****SEAT****SKODA****PEUGEOT****UYGUN OEM NO / REPLACING OE-REF**

Saat Yönü Tersi / Anticlockwise

1,1-1,3kW

Brush Holder For D6G...

**MOTOR NO / UNIT NO**

D6GS11, -12, 13, -14

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**HP 0010**

HPIX 3 5,90x12,4x20,3 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

Elektrikli direksiyon pompaları için / For electric steering pumps

**MOTOR NO / UNIT NO**

7701470783

KABLOSUZ VE KONEKTÖRSÜZ / WITHOUT CABLE AND CONNECTOR

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

PEUGEOT

106, SAXO

RENAULT

CLIO, KANGOO

**HP 0011**

HPIX 3 5,90x12,4x20,3 12 Volt

**UYGUN OEM NO / REPLACING OE-REF**

Elektrikli direksiyon pompaları için / For electric steering pumps

**MOTOR NO / UNIT NO**

7701470783

KOMPLE / COMPLETE

KABLOLU VE KONEKTÖRLÜ / WITH CABLE AND CONNECTOR

**4 KÖMÜRLÜ / WITH 4 BRUSHES**

**ARAÇ MODELİ / VEHICLE MODEL**

PEUGEOT

106, SAXO

RENAULT

CLIO, KANGOO

**MARŞ MOTORU KÖMÜRLERİ**

***STARTER BRUSHES***





Takım Sipariş Kodu / Set Order Code

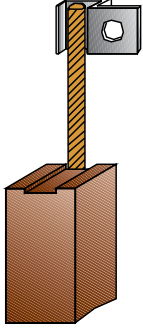
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 12**

1 007 014 100


**4-BS 12**

 0 001 354 006, 012, 016, 018, 025-027, 029, 031, 033,  
034, 036, 038, 042, 048, 055, 062, 064, 068,  
070, 073, 074, 077, 079-096, 098-100, 103,  
106, 108, 109, 113,  
0 001 355 012  
356 001 363 001  
9 000 143 200, 1

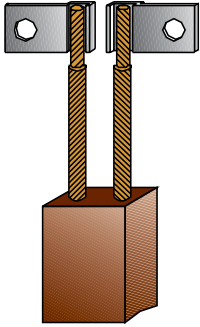
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**9x13x25,5**
**INTER  
HANOMAG  
STEYR  
MERCEDES**
**BSX 33**

2 007 014 020


**4-BS 33**

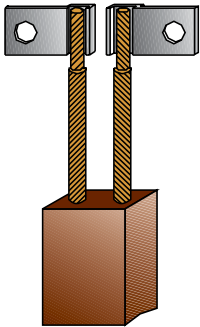
 0 001 400 016,  
401 051

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**9x20x28,5**
**RENAULT**
**BSX 34**

 2 007 014 021  
1 007 014 107

**4-BS 34**

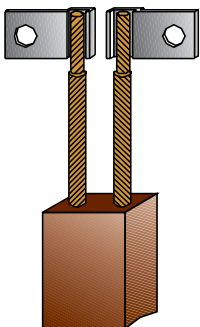
 0 001 401 071,  
402 001, 7-9, 011, 012, 018, 023, 034, 041, 043,  
044, 050, 052-061, 065, 066, 068, 069, 071,  
072, 074, 075, 077, 079-081

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**9x20x28,5**
**SCANIA VABIS  
MAN  
MAGIRUS  
VOLVO**
**BSX 35**

 1 007 014 109  
2 007 014 047

**4-BS 35**

 0 001 401 002, 4-7, 11, 13, 15, 17, 26-29, 35-37, 39,  
041, 43-47, 49-53, 57, 60-62, 66-71, 73

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**12x20x28,5**
**MERCEDES  
VOLVO  
MAGIRUS**

Takım Sipariş Kodu / Set Order Code

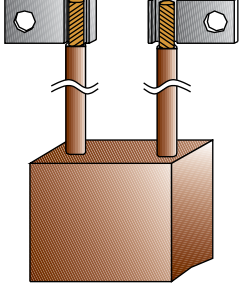
Özellikler  
Properties

Motor Numarası / Unit No.

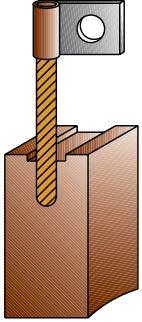
Araç Modeli/Vehicle Model

**BSX 36**

1 007 014 105

**4-BS 36**0 001 501 001, 3, 5, 6, 13, 14, 19, 24, 31, 32, 34, 35,  
38, 41SCANIA VABIS  
MAGIRUS  
MERCEDES  
VOLVOGerilim / Voltage  
(Volt)**24**Ölçü / Dimension  
(mm)**12x36x30****BSX 39**

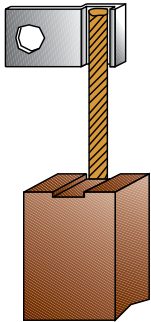
2 007 014 002

**4-BS 39**

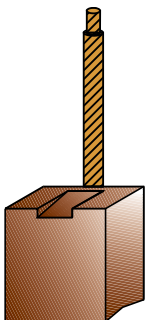
0 001 355 009, 11, 13, 15-17, 19, 20

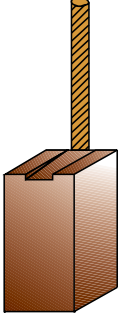
Gerilim / Voltage  
(Volt)**24**Ölçü / Dimension  
(mm)**9x13x25,5****BSX 43**

1 107 014 110

**4-BS 43**0 001 203 005, 008-011, 016, 019  
204 005  
205 003, 005, 007, 009, 010, 012, 013, 015, 017  
217 001  
304 002, 010, 012, 013, 016, 019, 023  
305 001, 002, 008, 010-013, 016  
306 011, 013  
307 004, 007-012, 014-017, 019-022, 024, 025  
309 001  
312 001OPEL  
MERCEDES  
BMW  
VOLKSWAGEN  
FORDGerilim / Voltage  
(Volt)**6/12**Ölçü / Dimension  
(mm)**7x16x22****BSX 49**

1 107 014 126

**4-BS 49**0 001 207 002, 003, 005, 006, 007, 009  
010, 013, 015, 016, 019, 020  
0 001 310 002, 005, 007, 008, 009, 010  
011, 016OPEL  
MERCEDESGerilim / Voltage  
(Volt)**6**Ölçü / Dimension  
(mm)**7x16x18**

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**BSX 59**
**1 007 014 117  
1 007 014 112**

**2-BS 59**

 Gerilim / Voltage  
(Volt)

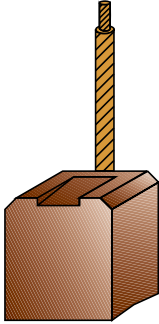
**12**

 Ölçü / Dimension  
(mm)

**7x16x18**

 0 001 208 001, 014, 018, 019, 030, 036  
037, 038, 048  
0 001 209 014, 003, 006, 010, 012, 013  
018, 020, 022, 026  
212 002, 003  
214 001  
217 001

 0 001 311 008, 010, 020  
9000042027

**OPEL  
FORD**
**BSX 70**
**2 007 014 018**

**4-BS 70**

 Gerilim / Voltage  
(Volt)

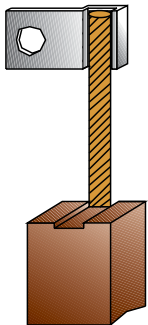
**12**

 Ölçü / Dimension  
(mm)

**7x14x16**

 0 001 155 016, 017  
157 001-4, 6, 7, 13-16, 18, 21-25, 27-30  
9 000 141 101, 3, 4, 7, 8, 11-16, 100  
334 101-104

**OPEL** KADETT  
**SEAT** INCA  
TERRA

**BSX 74**
**2 007 014 000  
2 007 014 024**

**4-BS 74**

 Gerilim / Voltage  
(Volt)

**6/12**

 Ölçü / Dimension  
(mm)

**7x14x17,5**

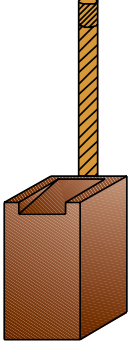
 0 001 100 003, 004  
101 004  
102 003-006, 009  
104 005, 007  
105 002, 003  
154 001, 005, 007  
155 001-004, 006, 008-010, 014-016  
157 010  
158 001, 002, 008, 009  
9 000 141 000-004, 006-010, 013, 015, 017, 018

**OPEL** CORSA  
KADETT  
ASCONA

Takım Sipariş Kodu / Set Order Code

**BSX 75**

2 007 014 026



Özellikler  
Properties

**BO 0751**

**4-BS 75**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**7x10x18**

Motor Numarası / Unit No.

0 001 207 001, 018,  
208 004, 08, 25, 39-41, 44, 49, 51-54, 100, 101  
200-5, 6, 8-11, 13, 14, 16-21, 23-29, 32, 33  
403-409, 11-23, 25-29,  
211 200, 1, 4-9, 10, 13-25, 27-29, 33-36, 39, 41-49  
251-55, 57-59, 86, 88,  
986-93, 95-96, 97, 98  
0 001 212 006-8, 11, 13, 204-14, 400-3  
213 003, 4  
9 000 142 001-003, 14, 100-102  
333 105, 112, 115, 116, 118, 119

Araç Modeli/Vehicle Model

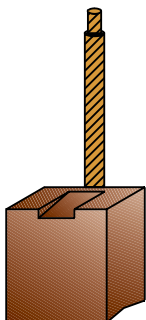
**FORD** GXL 1.1L, 1.3L  
**OPEL**  
**MERCEDES**  
**AGRALE-DEUTZ**  
4100; M70 / 80 /  
85 / 90 / 93ID;  
TX1100,  
**CHEVROLET- GM**  
CHEVETTE;  
HATCH;  
CHEVY 500;  
MARAJO,  
**FIAT**  
PREMIO / RALLY /  
SPAZIO; DUNA  
60/70/ WEEKEND;  
UNO 1.1/MILLE/  
ELX/  
EP, 147 FIORINO1.5;  
ELBA 1.5; UNO  
1.5/1.6,  
147/147 CITY  
EUROPA  
/FIORINO / GLS /  
OGGI / PANORAMA/  
PICK-UP / ELBA  
1.5;  
PREMIO1.5.,  
TEMPRA 2.0  
MPI/SPI 16V/ 8V,  
TEMPRA  
2.0 TURBO, TIPO  
1.6 i.e.;  
UNO 1.6 MPI,  
BELLINA 1.8; DEL  
REY 1.8; PAMPA  
1.8,ROYALE  
1.8 / 2.0;  
VERSAILLES 1.8 /  
2.0,  
**GURGEL**  
BR 800; TOCANTINS  
L, TR,  
**VOLKSWAGEN**  
SEDAN,  
SUPERMINI,  
KARMANNGHIA  
1600; SP,  
600/1700; VARIANT  
II, 1600;  
BRASÍLIA1.3/1.6;  
FUSCA  
1300/1500/1600;  
302, 307, 309; GOL  
1.8; KOMBI 1.6,  
GOL 1.0; GOL  
II 1.0i, II / III / 1.6;  
SAVEIRO 1.6;  
VOYAGE 1.6,  
1.6;SAVEIRO 1.6;  
VOYAGE 1.5/1.6,  
QUANTUM 2.0i;  
SANTANA 2.0i,  
**YANMAR**  
BT22 / 23  
MICROTRATORES  
CT 11 / TC 11  
SUPER,  
**LADA**  
NIVA 1.5 / 1.6;  
Motores  
**TIETE**  
950 / 950 L

**BSX 76**

1 007 014 119

1 007 014 121

1 007 014 127



**4-BS 76**

Gerilim / Voltage  
(Volt)

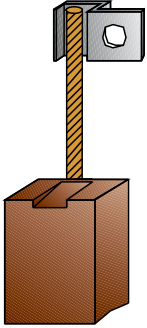
**12**

Ölçü / Dimension  
(mm)

**7x16x18**

0 001 207 001, 3, 5-7, 9, 10, 13, 15-20  
208 004, 6, 7, 9-12, 17-19, 23, 25, 29, 032, 033, 36-38,  
46-50, 54, 55, 056, 058, 059, 061  
209 014  
211 005, 016, 017, 129  
212 002, 3, 5, 6, 12  
214 001, 002  
215 001, 002  
217 001  
0 001 310 002, 5, 7-11, 16, 18, 43, 46, 47,  
0 001 310 049, 50, 116, 120  
311 008, 10, 13, 19, 23, 25, 28-32, 34-37, 45, 47, 050  
052, 054-056, 100, 103, 105, 107, 108,  
112, -115, 118, 120-128, 130, 131, 133-143,  
146, 147, 149-152,  
312 100-102, 104-107, 110, 111  
313 006, 007  
314 001, 003-006, 008-018, 022, 024-049  
0 001 317 005, 006

**OPEL**  
**MERCEDES**  
**BMW**

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**BSX 82**
**2 007 014 041**

**4-BS 82**

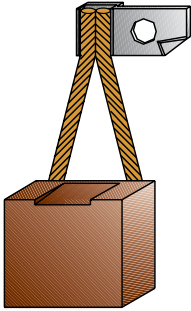
 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**7x16x22**

 0 001 203 008, 009, 016,  
204 005  
205 003, 005, 012, 015, 017  
304 012, 016  
305 008, 016  
306 011  
0 001 307 004, 007, 008, 009, 014, 017, 019, 024, 025  
0 001 401 002, 004, 006, 011, 013, 015, 017  
026, 027, 028, 029, 035, 036  
037, 039, 041, 043, 044, 045  
046, 047, 049, 050, 051, 052  
053, 057, 060, 061, 062, 066  
067, 068, 069, 071, 073, 074h

**VOLVO**
**BSX 85**
**2 007 014 022**

**4-BS 85**

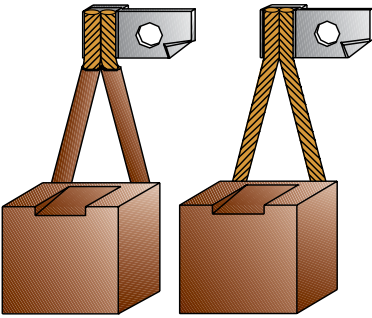
 Gerilim / Voltage  
(Volt)

**12/ 24**

 Ölçü / Dimension  
(mm)

**8x25x23**

 0 001 360 008, 10, 12, 16, 23  
2 004 320 218  
2 004 320 139  
0 001 364 001  
0 001 360

**MERCEDES** 302  
**FORD** CARGO  
**MAN**
**BSX 86-87**
**2 007 014 044  
2 007 014 052**

**BS 86**
**BS 87**
**2-BS 86  
2-BS 87**

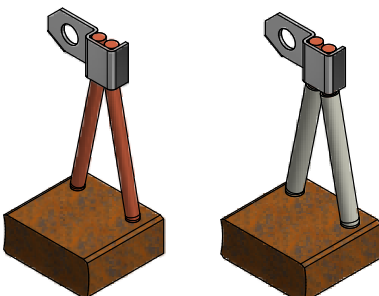
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**10x25x23**

 0 001 358 200-2  
0 001 359 001-4, 6-8, 10-14, 16, 18-21, 23-41, 43-51,  
53-69, 71-76, 81-92, 94-102, 104-14, 17-19, 22,  
24  
0 001 365 004-008  
9 000 143 107, 9-11

**IVECO** 49 NC  
**DODGE** AS 600  
**MACK**
**BSX 96**
**2 007 014 044  
2 007 014 052**

**BS 96A**
**BS 96B**
**2-BS 96A  
2-BS 96B**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**10x25x23**

 0 001 358 200-2  
0 001 359 001-4, 6-8, 10-14, 16, 18-21, 23-41, 043-51,  
53-69, 71-76, 81-92, 94-102, 104-14, 17-19, 22,  
24  
0 001 365 004-008  
9 000 143 107, 9-11

**IVECO** 49 NC  
**DODGE** AS 600  
**MACK**



Takım Sipariş Kodu / Set Order Code

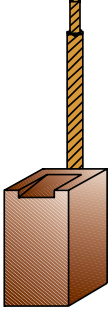
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 98**

1 007 014 126  
1 007 014 133



**4-BS 98**

Gerilim / Voltage  
(Volt)

**12/24**

Ölçü / Dimension  
(mm)

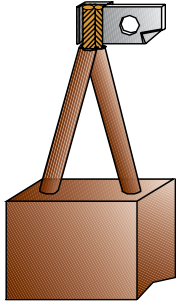
**7x10x18**

0 001 207 001, 018,  
208 004, 08, 25, 039-41, 44, 49, 51-54, 100, 101  
200-5, 6, 8-11, 13, 14, 16-21, 23-29, 32, 33  
403-409, 11-23, 25-29,  
211 200, 1, 4-9, 10, 13-25, 27-29, 33-36, 39, 41-49,  
251-55, 57-59, 86, 88,  
986-93, 95-96, 97, 98  
0 001 212 006-8, 11, 13, 204-14, 400-3  
213 003, 4  
9 000 142 001-003, 14, 100-102  
333 105, 112, 115, 116, 118, 119

**FIAT** TIPO, UNO  
DUCATO  
**FORD** ESCORT, CAPRI  
ORION, SIERRA  
VERONA LX  
**VOLKSWAGEN**  
CADDY 1.8  
GOLF  
SCIROCCO  
JETTA 1.5

**BSX 99**

2 007 014 036



**4-BS 99**

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

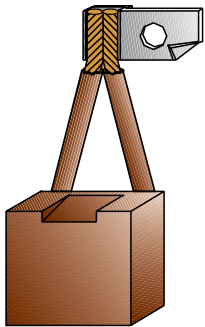
**12x36x27**

0 001 410 029,062  
416 001-40,42-77  
0 001 417 001-74

**MASSEY FERGUSON**  
**MAGIRUS-DEUTZ**  
**MAN**  
**MERCEDES**  
**VOLVO**  
**IVECO**  
**FIAT** KAMYON/TRUCK  
**RENAULT** KAMYON/TRUCK

**BSX 100**

2 007 014 049



**4-BS 100**

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

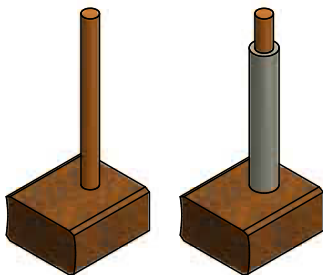
**8x25x23**

0 001 360 002, 3, 7, 8-10, 12-19, 22-27, 29-45, 047-51,  
54-61, 63-65  
0 001 364 100, 6, 8, 200-6  
416 015  
417 060  
9 000 143 300-5, 501

**DAF** F-2000  
TRAKTÖR /  
TRACTOR  
**FIAT** OTOBÜS / BUS  
**FIAT** 50 NC  
**IVECO** 120, 145  
**VOLVO** KAMYON / TRUCK

**BSX 101**

2 007 014 040



BS 101A

BS 101B

**BO 1011**

**2-BS 101A**  
**2-BS 101B**

Gerilim / Voltage  
(Volt)

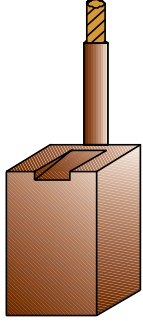
**12**

Ölçü / Dimension  
(mm)

**9x16x18**

0 001 362 034-42, 45-53, 57-64, 67, 69-79, 81-83, 98,  
99, 111, 322, 700  
0 001 363 104, 5, 7, 9, 11, 13, 16  
0 001 366 001-6, 8-22, 24-29, 46  
9 000 143 204, 408

**MERCEDES**  
**MAGIRIUS**  
**MASSEY-FERGUSON**  
**PEUGEOT** 504 - 2.3  
PICK-UP DIESEL  
**KAEBLE** 3 WT,  
WTV c/ motor  
**AUDI**  
**CASE**  
**DEUTZ**  
**IHC**  
**JOHN DEERE**  
**KHD**  
**VOLVO (Diesel)**

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**BSX 102**
**2 007 014 053**

**BO 1021**

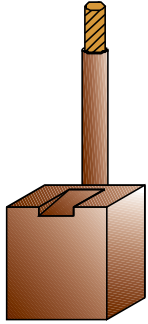
 0 001 357 002,  
0 001 362 001-9, 11-17, 19,  
021-25, 27-30, 32, 33  
9 000 143 400, 2, 4-7, 9

**4-BS 102**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**9x16x25,5**
**OPEL**  
**BEDFORD**  
**MERCEDES** 200 D  
**HENSCHEL**
**BSX 104**
**2 007 014 054**  
**2 007 014 055**

**2-BS 104**

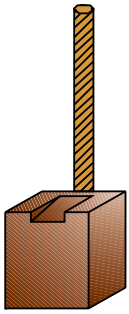
 0 001 208 009 13,24-26,31-33,58,59,61  
0 001 211 001 2,4,16,21,23-25  
0 001 215 001  
0 001 311 001 7,14,16,26,27,32,38,39,45,48  
0 001 313 001 3-5

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x16x18**
**ALFA ROMEO**  
GIULIA 1.3-1.6  
SPIDER 1600  
JUNIOR 1600  
SPIDER 1300  
JUNIOR 1300

**BSX 121**
**1 007 014 128**

**4-BS 121**

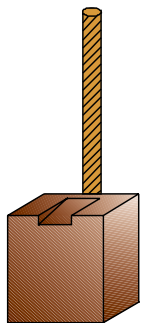
 0 001 155 016, 017  
157 001-4, 6, 7, 13-16, 18, 21-25, 27-30  
9 000 141 101, 3, 4, 7, 8, 11-16, 100  
334 101-104

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x14x16**
**OPEL** VECTRA, CORSA  
**RENAULT**  
**SEAT** IBIZA

**BSX 124**
**1 007 014 127**

**4-BS 124**

 0 001 207 001-3, 5-7, 9, 10, 13, 15-20  
208 004, 6, 7, 9-12, 17-19, 23, 25, 29,  
032, 033, 36-38, 46-50, 54, 55  
056, 058, 059, 061  
209 014  
211 005, 016, 017, 129  
212 002, 3, 5, 6, 12  
214 001, 002  
215 001, 002  
217 001  
0 001 310 002, 5, 7-11, 16, 18, 43, 46, 47,  
0 001 310 049, 50, 116, 120  
311 008, 10, 13, 19, 23, 25, 28-32, 34-37, 45, 47  
050-052, 054-056, 100, 103, 105, 107, 108,  
112, -115, 118, 120-128, 130, 131, 133-143,  
146, 147, 149-152  
312 100-102, 104-107, 110, 111  
313 006, 007  
314 001, 003-006, 008-018, 022, 024-049  
0 001 317 005, 006

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x16x18**
**BMW** 3.16 , 3.15  
3.20  
**VOLVO** 240  
**ALFA ROMEO**  
**VOLKSWAGEN** PASSAT  
**PORSCHE** 911,924  
**FORD** FIESTA  
**RENAULT** R 12, EXPRESS  
**SEAT** IBIZA  
**AUDI**  
**MERCEDES**

Takım Sipariş Kodu / Set Order Code

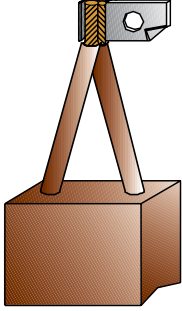
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 131**

2 007 014 061  
2 007 014 036



**4-BS 131**

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

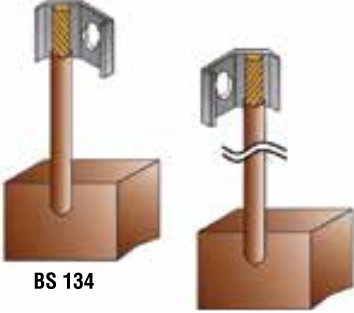
**12x36x27**

0 001 410 010, 015-019, 021-022, 024, 026, 029-032-035,  
037, 041, 043-044, 046-048, 050, 052-054, 058,  
060-065, 067-069, 073, 075, 077-078, 081, 083,  
086-092, 094, 097-098, 101-102, 104-106, 109,  
111, 115-118  
0 001 411 008, 011-017  
0 001 414 001-011, 013-022  
0 001 415 001-014, 016-024, 027  
0 001 501 014, 015, 020, 032

**MERCEDES** 303  
**FIAT** KAMYON/  
TRUCK  
**IVECO**  
**RENAULT** KAMYON /  
TRUCK

**BSX 134-144**

2 007 014 062



BS 134

BS 144

**BO 1441**

**2-BS 134**  
**2-BS 144**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

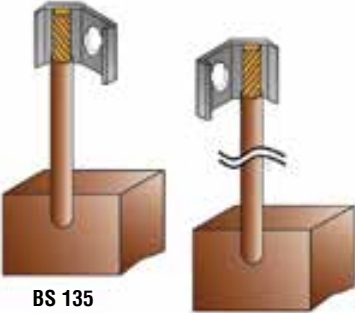
**10x25x17**

0 001 367 001-18, 20-46, 48, 50, 51, 54-59, 61-64,  
066-68  
9 000 143 410, 12, 15, 16, 19

**FORD**  
**IVECO**  
**FIAT** TRAKTÖR /  
TRACTOR  
**MERCEDES**  
KAMYON /  
TRUCK

**BSX 135-145**

2 007 014 063



BS 135

BS 145

**BO 1451**

**2-BS 135**  
**2-BS 145**

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

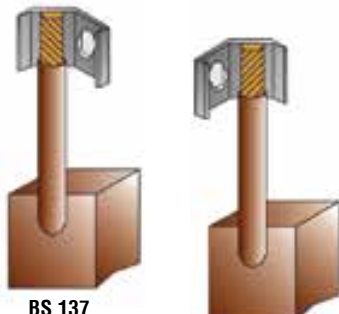
**8x25x17**

0 001 368 001-88  
300-321  
369 011  
9 000 143 600-04

**MERCEDES**  
**VOLVO**  
**IVECO**  
**RENAULT**  
**FORD**  
**MAN**  
**LEYLAND**  
**DAF** KAMYON/  
TRUCK  
OTOBÜS / BUS  
**OPEL** D  
**SCANIA** D  
**FIAT** D

**BSX 137-143**

2 007 014 065  
2 007 014 068



BS 137

BS 143

**BO 1431**

**2-BS 137**  
**2-BS 143**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**9x16x17**

0 001 362 034-36, 38-43, 45-53, 057-64  
067, 69, 70, 81-86, 88-100, 102-105  
300-332, 600-607, 700-705  
0 001 366 001-6, 8-22, 24-29,  
9 000 143 203, 4; 408, 11, 13, 14, 20

**BMW** 7.30 2,8L  
**OPEL ASTRA**  
1.8i, 2.0i,  
FRONTERA,  
OMEGA, VECTRA 1.8i  
**RENAULT** EXPRESS 1.9D  
MEGANE 1.9D,  
CLIO 1.9D,  
R9/19 1.9D, VOLVO  
S40 1.9D  
**IVECO**  
**MERCEDES**  
**DAIMLER** KAMYON /TRUCK  
**FORD** TRANSIT 100-  
120-150  
190-80, SCORPIO  
**FIAT** OTOBÜS / BUS  
TRAKTÖR/ TRACTOR

Takım Sipariş Kodu / Set Order Code

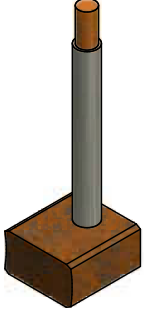
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 139**

2 007 014 040


**4-BS 139**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

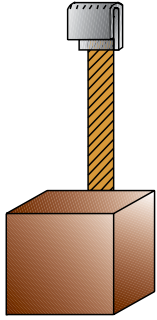
**9x16x17**

 0 001 362 034-36, 38-43, 45-53, 057-64  
067, 69, 70, 81-86, 88-100, 102-105  
300-332, 600-607, 700-705  
0 001 366 001-6, 8-22, 24-29,  
9 000 143 203, 4; 408, 11, 13, 14, 20

**FIAT** COMMERCIAL  
**IVECO**  
**MERCEDES**  
DAIMLER KAMYON / TRUCK  
**FORD** TRANSIT 100-  
120-150-190-80, SCORPIO  
**FIAT** OTOBÜS / BUS

**BSX 140**

1 007 014 138


**BO 1401**
**4-BS 140**

 Gerilim / Voltage  
(Volt)

**12**

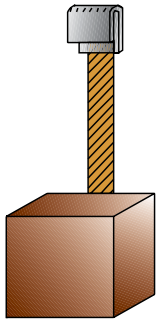
 Ölçü / Dimension  
(mm)

**7x16x15**

 0 001 208 516, 710  
211 514  
312 108, 9  
317 007-13, 16-19, 22-25  
0 136 300 007

**OPEL** ASTRA, VECTRA  
**VOLKSWAGEN**  
TRANSPORTER,  
GOLF DIESEL  
TURBO, CADDY,  
JETTA,  
VAUXHALL  
**CHEVROLET** KADETT  
**FORD** ESCORT,  
GRANADA  
**AUDI**  
**CITROEN**  
**IVECO**
**BSX 146**

1 007 014 137


**4-BS 146**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

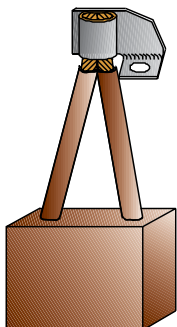
**7x10x14**

 0 001 211 500-505, 7, 10, 11  
525-30, 38

**AUDI**  
**VOLKSWAGEN**  
GOLF  
JETTA  
PASSAT  
POLO  
**FIAT** PANDA, TIPO  
**FORD** UNO  
CAPRI  
ESCORT  
GRANADA  
TAUNUS  
**LANCIA** Y10

**BSX 147**

2 007 014 067


**4-BS 147**

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**10x36x27**

0 001 420 001-15, 24-29

**NISSAN**  
**FIAT** TRAKTÖR / TRACTOR  
**VOLVO** KAMYON / TRUCK

Takım Sipariş Kodu / Set Order Code

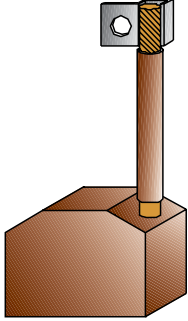
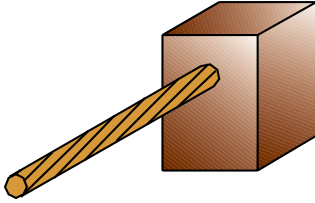
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 148**

2 007 014 070

**4-BS 148**Gerilim / Voltage  
(Volt)**24**Ölçü / Dimension  
(mm)**12x36x27**0 001 410 029, 062  
416 001-40, 42-77  
417 001-74DAF  
MERCEDES  
MAN  
IVECO  
SCANIA  
VOLVO  
KÄSSBOHRER  
LEYLAND  
RENAULT**BSX 149**1 007 014 139  
1 007 014 141  
1 007 014 145**BO 1491****4-BS 149**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**7x10x14**0 001 208 501, 6-8, 10, 13-21, 26, 28  
702, 5-15, 17-19,  
211 512, 13, 15, 33, 35, 36

1 001 711 512, 13, 15

9 000 333 104, 06, 09, 14, 17, 20, 21

14736380080, 14754890080, 195270503000, 605129690,  
605225650, 7716196, 9611705880039-911-023, 046-911- 023B,069-911-023B, 069-911-023C,  
069-911- 023C, 069-911-023CX, 069- 911-023D, 069-911-  
023D, 069-911-023DX, 069-911-023DX, 069-911-023F130019808,14736380080, 14754890080, 5984563, 5985265,  
60512969, 60522565, 75891510, 7613744, 642261,  
7680619,7706908, 7716767, 7727487, 9611705880

5001014230, 7700301993, 7700585114, 7700585375,

7700723189, 7700730756, 7700730756, 7700868184

003-151-29-01, 003-151-98-01, 004-151-20-01, 004-151-  
21-01, 004-151-30-01, 004-151-35-01, 004-151-36- 01,004-151-48-01, 004-151-51-01, 004-151-51-01-88, 004-  
151-52-01, 004-151-56-01, 004-151-63-01, 004-151-71-01,

004-151-79-01, 005-151-15-01, 006-151-34-01

12-41-1-287-788, 12-41-1-288-166, 12-41-1-288-166,12-41-  
1-288-226, 12-41-1-288-226, 12-41-1-289-520, 12-41-1-466-  
345, 12-41-1-468-117, 12-41-1-711-403, 12-41-1- 720-246,

12-41-2-242-231, 12-41-2-288-166, 12-42-2-242-231

11180180

130019808,14736380080, 1473638080,14754890080,14754

89080, 46231643,5984563, 5985182, 5985265,

60412969, 60512969, 60522565,

7580575, 75891510, 7613744, 7642261, 7658554, 7666135,

7706908, 7716196, 7716767,7716767, 7716769, 7716769,

7716771, 7727487, 7731823,9611705880

132299, 133557

37950

42498678, 5984563, 99451753

AL 110597

118-0180

ERR5009, NAD100370, NAD10039, NAD100390

23300-7C600, 23300-9C600

12-02-048, 12-02-955, 12-02-955, 12-02-960, 90008258,

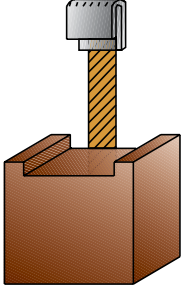
90376895, 90398044

6611513101,6611513401, 6611513701

1328392, 3544627, 5002050, 9162928

FIAT PANDA, TIPO, UNO  
FORD CAPRI, ESCORT I-II  
GRANADA, TAUNUS  
LANCIA Y10  
VOLKSWAGEN GOLF, PASSAT  
JETTA, POLOAUDI  
ALFA ROMEO  
VOLKSWAGEN  
CHRYSLER  
LANCIA  
RENAULT  
MERCEDES-BENZ  
BMW  
DUETZ ENGINE Mfr  
FIAT  
GEHL  
GENIE  
IVECO  
JOHN DEERE AL  
KHD  
LAND ROVER  
NISSAN / INFINITI  
OPEL  
SSANGYONG  
VOLVO



**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**BSX 151**
**1 007 014 143**

**BO 1511**

 0 001 218 001-29, 100-178  
 9 000 331 401, 2, 5-9, 11-15, 17-28, 30-33  
 6 033 AB1 300

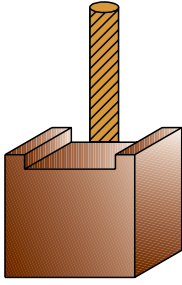
**4-BS 151**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7,5x18x17/19**
**VOLKSWAGEN**  
**MERCEDES** 190 D, VITO  
 KAMYON / TRUCK  
**ALFA ROMEO** 155  
**AUDI** 100 D  
**BMW** 324 TD,  
 7.50I, 8.50I  
**CITROEN** D  
**FORD** D. -FIESTA  
**MONDEO** SCORPIO  
**OPEL** D. FRONTERA  
 OMEGA  
**VOLVO**  
**ROVER** D  
**LAND ROVER**  
**FIAT** D

**BSX 151-0**
**1 007 014 143**

**4-BS 151-0**

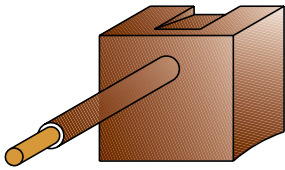
 0 001 218 001-29, 100-178  
 9 000 331 401, 2, 5-9, 11-15, 17-28, 30-33  
 6 033 AB1 300

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7,5x18x17/19**
**VOLKSWAGEN**  
**MERCEDES** 190 D, VITO  
 KAMYON / TRUCK  
**ALFA ROMEO** 155  
**AUDI** 100 D  
**BMW** 324 TD, 7.50I, 8.50I  
**CITROEN** D  
**FORD** D. -FIESTA  
**MONDEO** SCORPIO  
**OPEL** D. FRONTERA  
 OMEGA  
**VOLVO**  
**ROVER** D  
**LAND ROVER**  
**FIAT** D

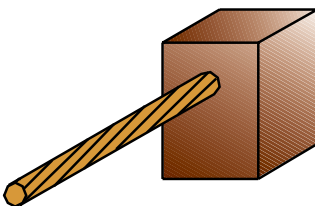
**BSX 152**
**1 007 014 144**

**4-BS 152**

0 001 317 014, 15, 20, 21

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x16x15**
**OPEL** ASTRA, VECTRA  
**VOLKSWAGEN** CADDY  
 JETTA, GOLF  
**AUDI**  
**CITROEN**  
**FORD** GRANADA  
**VOLKSWAGEN**  
 KAMYON/TRUCK  
**IVECO**
**BSX 154**
**1 007 014 141  
1 007 014 145**

**4-BS 154**

 0 001 208 501,6-8,10,13-21,26,28  
 0 001 208 702,5-15,17-19,  
 0 001 211 512,13,15,33,35,36  
 1 001 711 512,13,15  
 9 000 333 104,06,09,14,17,20,21

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x10x14**
**PEUGEOT** 405-309-205  
**AUDI** 100-200  
**CITROEN**  
**RENAULT**  
**VOLKSWAGEN**

Takım Sipariş Kodu / Set Order Code

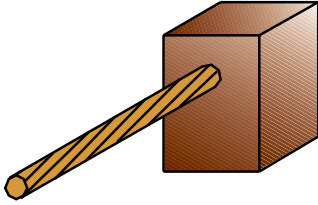
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 156**

1 007 014 139



4-BS 156

0 001 208 501,6-8,10,13-21,26,28  
0 001 208 702,5-15,17-19,  
0 001 211 512,13,15,33,35,36  
1 001 711 512,13,15  
9 000 333 104,06,09,14,17,20,21

Gerilim / Voltage  
(Volt)

12

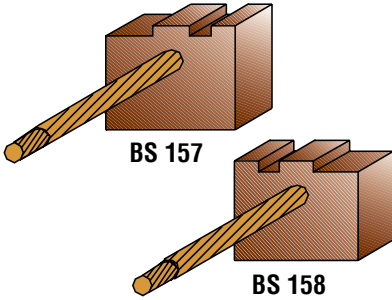
Ölçü / Dimension  
(mm)

7x10x14

PEUGEOT 405-309-205  
AUDI 100 - 200  
CITROEN  
RENAULT  
VOLKSWAGEN

**BSX 157-158**

1 004 320 110  
1 004 320 111



BO 1582, BO 1584  
BO 1585, BO 1586

2-BS 157  
2-BS 158

0 001 109 001-003, 06, 07, 11, 12, 14,  
015, 18, 23, 25, 28, 29, 31  
033-035, 40-45, 47, 61,  
110 001-004, 07, 08, 11-15, 18, 19, 22-24  
026-33, 39-49, 51, 53, 55-67, 70, 71,  
073, 75-80, 81, 83-85, 88-90, 92, 95,  
098-102, 104-07, 10-15, 20, 22-24  
999  
115 001, 002  
124 004, 15  
125 001, 02, 05, 06, 09, 10, 12, 13, 16-19  
021, 22,  
501-04, 07, 08, 12, 13, 17  
602  
F 010 ALD 101  
996-604-103-00

Gerilim / Voltage  
(Volt)

12

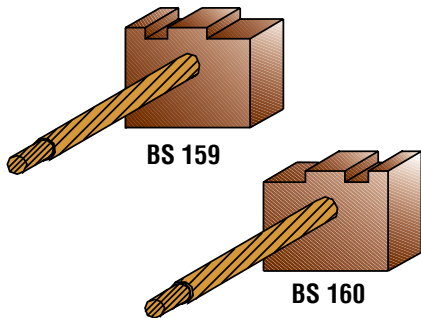
Ölçü / Dimension  
(mm)

6x18x13/14,5

PEUGEOT PARTNER, PARTNER 1.9D  
CITROEN JUMPER  
1.9D, X SARA 1.9D  
S40 1.9 D  
VOLVO ALFA ROMEO  
BMW 5.40, 7.30i 7.35i,  
7.40, 7.40i, 5.20D,  
5.25i,  
FIAT DUNA  
MERCEDES VITO, SPRINTER  
VOLKSWAGEN POLO 1.9D  
RENAULT MEGANE 1.9 D,  
CLIO 1.9D, MEGANE,  
1.8i  
OPEL ASTRA 1.8i, 2.0i  
FRONTERA,  
OMEGA, VECTRA  
1.8i  
NISSAN XTERRA 2.8D  
FIAT MAREA 1.9 JTD  
DOBLO 1.9  
POSRCHE

**BSX 159-160**

1 004 320 113  
1 004 320 114



BO 1601, BO 1602  
BO 1603

2-BS 159  
2-BS 160

0 001 108 001, 02, 05, 09-13, 16-33, 35, 37  
040,43-48,50-54,56-66,68,69,  
071-79, 81-100, 103-12, 15-27, 29, 31-33, 36,37  
139-41, 44-54, 56, 58-60, 62  
168-73, 77, 78, 80-82, 84, 86, 99  
996-999  
111 001-05

Gerilim / Voltage  
(Volt)

12

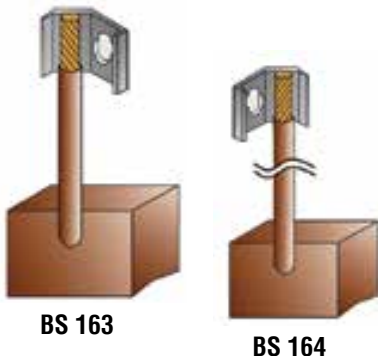
Ölçü / Dimension  
(mm)

5x16x11,5/13

BMW  
ALFA ROMEO  
MERCEDES  
FORD ESCORT  
MONDEO  
TRANSIT 100  
LADA  
OPEL FRONTERA  
VECTRA  
AUDI A4, A6, A8  
VOLVO

**BSX 163-164**

2 007 014 073  
2 007 014 076



BO 1641

2-BS 163  
2-BS 164

0 001 367 001, 04, 05, 07-10, 12, 15, 17,  
018, 21, 23, 32, 44, 47, 49, 50,  
052, 54, 61, 63, 65, 66, 69-82  
300-03,  
369 002, 05-07, 12-25,  
200, 01  
9 000 143 416

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

10x25x15

FORD CARGO  
VOLVO  
MERCEDES KAMYON/TRUCK  
VOLVO KAMYON/TRUCK  
IVECO

Takım Sipariş Kodu / Set Order Code

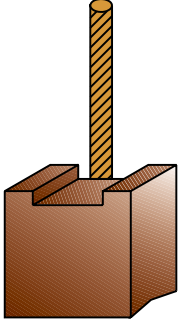
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 165**

9 003 337 001


**4-BS 165**

 Gerilim / Voltage  
(Volt)

**24**

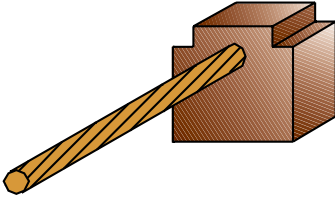
 Ölçü / Dimension  
(mm)

**7.5x18x17/19**

 0 001 219 001-15, 17  
9 000 332 401, 402, 405, 406

**MERCEDES** G, UNIMOG

**BSX 166**

 1 004 336 217  
1 004 336 815  
1 004 336 915

**BO 1661  
BO 1662**
**4-BS 166**

 Gerilim / Voltage  
(Volt)

**12**

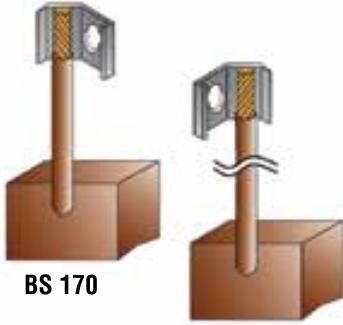
 Ölçü / Dimension  
(mm)

**5x12x11,6**

 0 001 112 003-16, 19-25,  
027-29, 32, 39, 41, 44, 45  
113 001-15  
114 003-06, 08-10, 14-18  
020-22  
133 003, 04  
9 000 081 003, 10

**ALFA ROMEO** 145, 146  
**AUDI** A3  
**CITROEN** BERLINGO  
**FORD**  
**OPEL** VECTRA  
**PEUGEOT** 106, 306  
**SEAT**  
**VOLKSWAGEN** CADDY  
GOLF, POLO  
VENTO

**BSX 170-171**

 2 007 014 077  
2 007 014 085

**BS 170**
**BS 171**
**BO 1711  
BO 1712**
**2-BS 170  
2-BS 171**

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

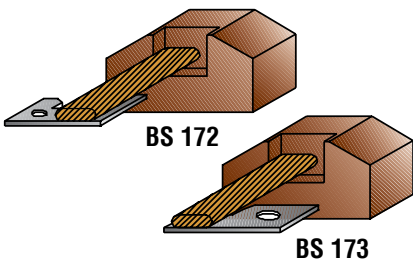
**10x25x15**

 0 001 364 300, 301, 400, 402  
372 001-008  
1317220, 1357210

**DAF**  
**IVECO**  
**MERCEDES** ACTROS  
TRAVEGO 0580,  
CITARO 0530,  
CONECTO 0345,  
TOURISMO  
0350

**BSX 172-173**

2 007 014 079


**BS 172**
**BS 173**
**2-BS 172  
2-BS 173**

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**12x36x19**

 0 001 410 029, 62  
416 001-14, 16-19, 22, 24-33,  
035-40, 42-53, 56, 57,  
059-66, 68-80  
417 001, 02, 04-07, 10, 11, 13,  
014, 16, 17, 20, 22-31, 33,  
035-38, 41-45, 47, 48,  
050-59, 61-66, 68, 69,  
071-74, 77, 78,  
418 004-06, 08, 10

**DAF**  
**SCANIA**  
**MERCEDES** 111  
**IVECO**  
**VOLVO**

Takım Sipariş Kodu / Set Order Code

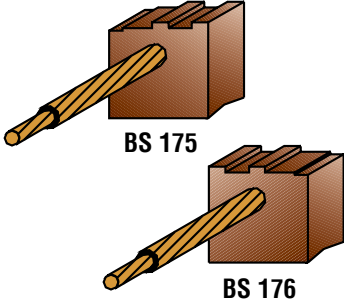
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 175-176**

1 004 336 219  
1 004 336 309  
1 04 336 444



BO 1621, BO 1622  
BO 1761, BO 1762  
BO 1763

2-BS 175  
2-BS 176

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

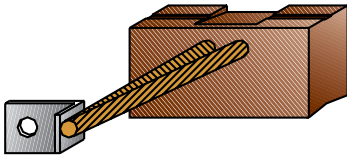
5x12x10,9/11,6

0 001 106 012, 14, 17, 22-24  
107 009-12, 14, 17-19, 24, 25-34, 37-40, 043, 45-  
48, 52-56, 58, 59, 62-64, 70-75, 77-80, 82,  
87-90, 94-98  
121 001-03, 06-09, 16, 17, 19, 22, 23  
9 000 081 001, 04, 06, 07

AUDI A4, A6  
CITROEN  
FIAT DUCATO  
FORD ESCORT  
MONDEO  
VECTRA  
OPEL VECTRA  
PEUGEOT 306, 406  
BOXER  
PARTNER  
SEAT CORDOBA  
IBIZA  
TOLEDO  
SKODA OCTAVIA  
VOLKSWAGEN POLO  
GOLF, JETTA

**BSX 177**

2 007 014 082



BO 1771

0 001 371 004-010, 012-20  
9 000 453 064, 65, 68

4-BS 177

Gerilim / Voltage  
(Volt)

24

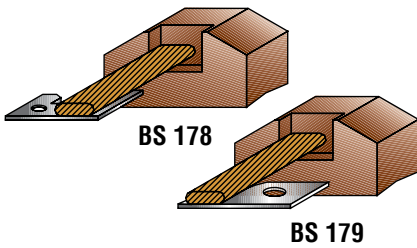
Ölçü / Dimension  
(mm)

9x36x18

MERCEDES AXOR  
ACTROS  
SCANIA  
DAF

**BSX 178-179**

2 007 014 080



2-BS 178  
2-BS 179

0 001 418 001-003, 009, 012, 014, 015, 017

Gerilim / Voltage  
(Volt)

12

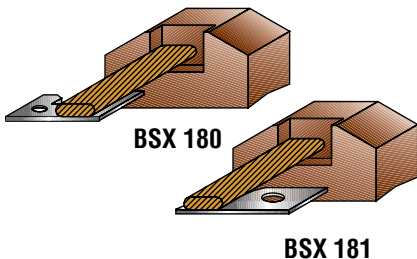
Ölçü / Dimension  
(mm)

12x36x19

FORD TAUNUS  
MERCEDES UNIMOG  
VOLVO

**BSX 180-181**

2 007 014 081



2-BS 180  
2-BS 181

0 001 418 016

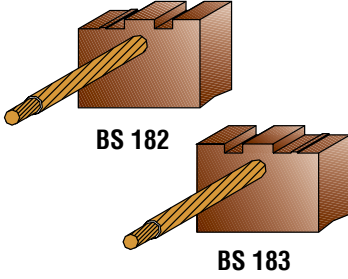
Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

12x36x19

MAGIRUS

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**BSX 182-183**
**1 004 320 161  
1 004 320 162**

**2-BS 182  
2-BS 183**

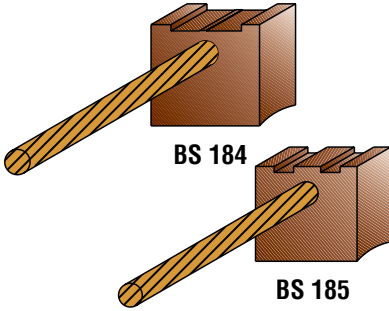
0 001 124 018, 019

**VOLKSWAGEN**
**AUDI** LUPU  
A2, 1,2, TDI  
3L

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x20x13/14,5**
**BSX 184-185**
**1 004 320 163  
1 004 320 164**

**BO 1851**

0 001 107 401-404, 406, 407, 410, 411, 415

**OPEL**

 CORSA  
COMBO  
ASTRA  
SPRINTER  
214, 314

**2-BS 184  
2-BS 185**

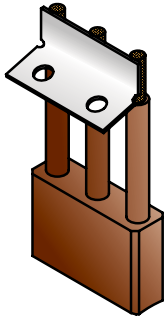
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**4,6x12x10,5/11,2**
**AUDI**

 FORD FOCUS  
FIAT ALBEA  
DOBLO

**BSX 186**
**2 007 014 017  
2 004 320 176**

**4-BS 186**

 0 001 510 001-003,005,008-010,017-028,  
0 001 510 030-036,038-041  
512 001,002  
QB / QF(R) 9.0 kw

**MERCEDES**

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**12 x 40 x 27**



Takım Sipariş Kodu / Set Order Code

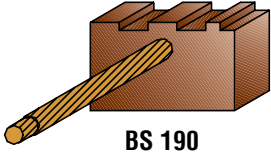
Özellikler  
Properties

Motor Numarası / Unit No.

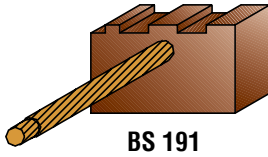
Araç Modeli/Vehicle Model

**BSX 190-191**

9 003 334 359  
9 003 334 360



BS 190



BS 191

BO 1911

2-BS 190  
2-BS 191

Gerilim / Voltage  
(Volt)

24

Ölçü / Dimension  
(mm)

6,4x25x15,4/16,4

0 001 231 001-14, 16-19, 23  
024, 26-30, 32-36, 38, 39  
LE 18.250B, 1231013, 1231017, 1340895, 1346162,  
1387381, 1387381R, 1387383, 1387383R, 516786R,  
1725900, 1735788, 1739935, 1739936, AELD021, AELF189,  
01180999BS, 1183239, 1231016, 1892338, 4892338,  
500325137, 504036695, 504385577, KHD 01180999,  
118-0999, 118-1101, 118-2235, 7026025A, 36-26201-6003,  
51-26101-7228, 51-26201-7157, 51-26201-7158, 51-26201-  
7183, 51-26201-7183, 51-26201-7193, 51-26201-7212,  
51-26201-7213, 51-26201-7223, 51-26201-7228, 51-26201-  
7239, 51-26201-9157, 51-26201-9213, 61-26201-7228, A5-  
00055-9254, 004-151-84-01, 005-151-20-01, 006-151-22-01,  
006-151-22-03, A006-151-22-01, A006-151-22-03, 2852478,  
5010306413, 5010508443, 1447911, 551503093, 3978710,  
8192965

MAN  
MERCEDES

ATEGO, AXOR,  
UNIMOG  
VOLVO FL 6180 KAMYON /  
TRUCK  
TOURINO 0510,  
CITARO 0530

OTOBÜS  
/ BUS

DAF  
DEUTZ ENGINE MFR

IVECO  
LEYLAND AUTO

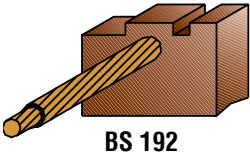
LIEBHERR

MAN  
MERCEDES-BENZ  
NEW HOLLAND  
RENAULT

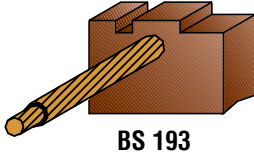
SCANIA  
TALBOT  
VOLVO

**BSX 192-193**

6 033 ADO 011  
6 033 ADO 012



BS 192



BS 193

BO 1931

2-BS 192  
2-BS 193

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

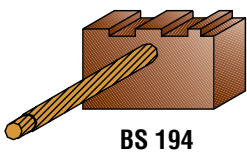
6x22x13/15

0 001 223 001-14, 16, 18, 19, 21  
500-507  
0 001 218 602, 620,  
703, 10, 12, 15, 16, 19, 21,  
725, 28, 30, 35-38, 40-42, 54, 57-59, 63-68  
70-42, 74, 76, 77,  
805, 08, 09, 12, 14-22

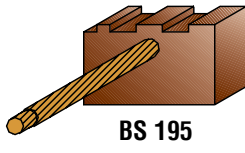
PEUGEOT PARTNER

**BSX 194-195**

9 003 334 361  
9 003 334 362



BS 194



BS 195

BO 1951

2-BS 194  
2-BS 195

Gerilim / Voltage  
(Volt)

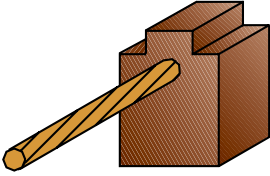
12

Ölçü / Dimension  
(mm)

7,5x27x15,4/16,4

0 001 230 001-07-10, 14, 18, 20-24, 26, 27  
RE50819, RE501298, RE501551, RE501689, RE519975,  
SE5011402, SE501425

CHRYSLER PD 250  
FORD CARGO 3227,  
3226  
KAMYON  
TRUCK  
FORD FARGO, DODGE  
MERCEDES KAMYON /  
TRUCK  
M.FERGUSON  
TRAKTÖR /  
TRACTOR  
JOHN DEERE

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**BSX 196**
**1 004 320 158**

**BO 1961  
BO 1962**

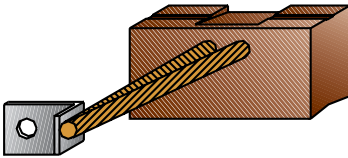
0 001 116 001, 003-006, 008, 009

**4-BS 196**
**CITROEN** SAXO  
XSARA  
BERLINGO  
**PEUGEOT** 206, 306  
PARTNER

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**5x8,5x10,5/11,5**
**BSX 197**
**2 007 014 072**

**BO 1971**

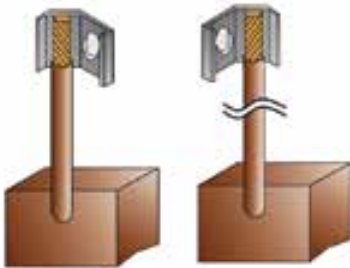
 0 001 370 001-004  
9 000 453 029, 066, 067

**4-BS 197**
**MERCEDES**  
**VOLKSWAGEN**  
DAF/Leyland 1201327  
45.130 /  
45.150,-Turbo  
45.160,-Turbo  
45.180,-Turbo  
45.210

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**9x36x18**
**BSX 198-199**
**2 004 320 163  
2 004 320 164**

**BS 198**
**BS 199**
**BO 1991**

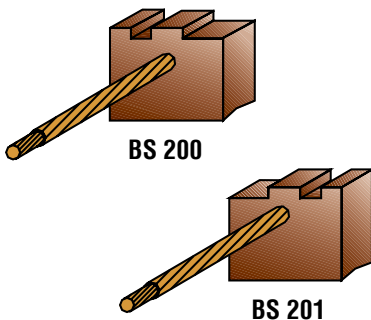
0 001 368 083

**2-BS 198  
2-BS 199**
**DAF  
LEYLAND**

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**8x25x13**
**BSX 200-201**
**1 004 320 175  
1 004 320 176**

**BS 200**
**BS 201**
**BO 2011, BO 2012  
BO 2013**

 0 001 109 057-60, 68, 202-205, 250, 302-305, 340, 341  
110, 071, 072

**2-BS 200  
2-BS 201**
**AUDI**  
**VOLKSWAGEN**  
**SEAT**  
**SKODA** 1.9 TDI

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x18x12,7/14,2**

Takım Sipariş Kodu / Set Order Code

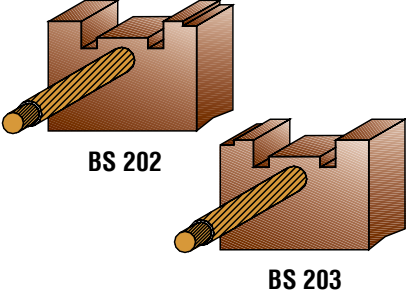
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 202-203**

6 033 ADO 263  
6 033 ADO 264



2-BS 202  
2-BS 203

0 001 330 004, 007, 008, 011-013, 17, 501, 502  
340 501-503

MAN  
SCANIA  
VOLVO  
FORD CARGO  
REDÜKTÖRLÜ MARŞLAR /  
WITH REDUCER STARTER

Gerilim / Voltage  
(Volt)

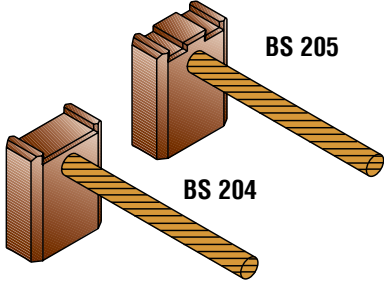
24

Ölçü / Dimension  
(mm)

9x32x23

**BSX 204-205**

1 004 320 177  
1 004 320 178



BO 2051

0 001 120 400-411  
106 403-407, 409, 410

AUDI A2  
SEAT CORDOBA, IBIZA  
SKODA FABIA  
VOLKSWAGEN  
BORA  
FOX, GOLF, POLO

2-BS 204  
2-BS 205

Gerilim / Voltage  
(Volt)

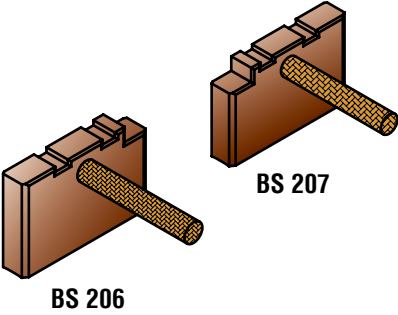
12

Ölçü / Dimension  
(mm)

4,6x10x12,0/12,7

**BSX 206-207**

6 033 AD5 097  
6 033 AD5 098



2-BS 206  
2-BS 207

0 001 241 001  
HEF95-L 5.5kw  
1447911  
P 230,270,310,340,380,420,470  
R 340,380,420,470  
T 340,380,420,470

SCANIA

Gerilim / Voltage  
(Volt)

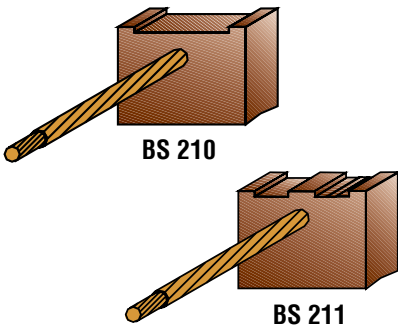
12

Ölçü / Dimension  
(mm)

6.35x27.77x18

**BSX 210-211**

1 004 320 179  
1 004 320 180



BO 2111

0 001 108 400-404, 408-12, 20, 21, 45, 46

CITROEN BERLINGO 2.0 HDI  
MERCEDES  
C/GLK/E 200, 270

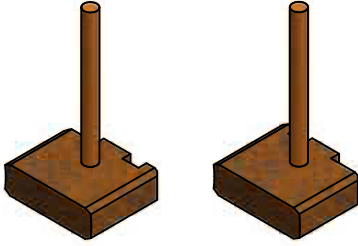
2-BS 210  
2-BS 211

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

4,6x16x11,5/12,2

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**BSX 212-213**
**1 004 320 183  
1 004 220 184**

**BS 212**
**BS 213**
**BO 2131  
BO 2132**

 0 001 108 200-204, 206-209,  
211-214, 217, 218, 20-25, 28-31, 34  
237, 37-40

**2-BS 212  
2-BS 213**

 07C-911-023F, 07C-911-023FX, 07C-911-023G,  
07C-911-023H, 07C-911-023HX  
68011829AB

 Gerilim / Voltage  
(Volt)

006-151-06-01, 006-151-10-01, A006-151-10-01

**12**

 Ölçü / Dimension  
(mm)

**5x16x11,5/13**
**ALFA ROMEO**

147, 156 1.9 JTD

**FIAT**

MAREA, PALIO

PUNTO, STILO

STRADA 1.9 JTD

**LANCIA**

LYBRA, 1.9 JTD

**BMW**

545i, 645Ci

COUPE, X5 4.4i

**VOLKSWAGEN**

PASSAT W 3 4.0,

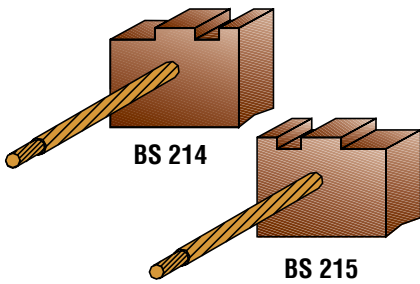
TOUAREG

**AUDI**

A4, A8

**LADA**

KALINA

**CHRYSLER**
**MERCEDES-BENZ**
**BSX 214-215**
**1 004 320 185  
1 004 320 186**

**BS 214**
**BS 215**
**BO 2151**

 0 001 115 008, 21, 25, 35, 39-41  
045-54,70-73

12-41-7-794-952, 12-41-7-796-892

005-151-16-01, 006-151-25-01, 006-151-25-01-80,

006-151-74-01, 006-151-74-01-80

7794952, 7796892

**2-BS 214  
2-BS 215**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x18x11/12,5**
**VOLKSWAGEN**

GOLF V 1.9, 2.0 TDI,

TOUAREG 3.2,

TOURAN 2.0 TDI,

TRANSPORTER T5,

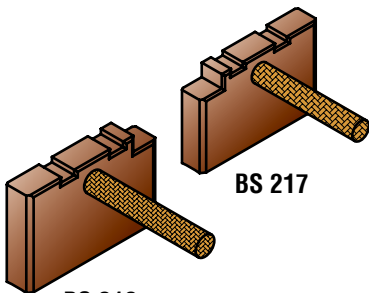
CADDY

**AUDI**

A3 2.0 TDI, A3 1.9,

2.0, 2.5, TDI, A8

**BMW**
**MERCEDES-BENZ**
**SEAT** CORDOBA 1.4

**STEYR**
**BSX 216-217**
**6 033 AD5 177  
6 033 AD5 178**

**BS 216**
**BS 217**
**BO 2171**

0 001 231 036,039-041

241 003,005-007,009,014,015,019

006-151-22-01, 006-151-22-03, A006-151-22-01,

A006-151-22-03

36-26201-6003

**2-BS 216  
2-BS 217**

 Gerilim / Voltage  
(Volt)

 EVB (R) 5.5KW  
HEF95-L 24V(R)  
HE95-M 24V(R) 4.0 kw

**24**

 Ölçü / Dimension  
(mm)

**5.35x27.77x18**
**SCAINA** P/G/R/T SERIES

**DAF**
**MERCEDES**

AXOR, ATEGO,

**MAN**

Takım Sipariş Kodu / Set Order Code

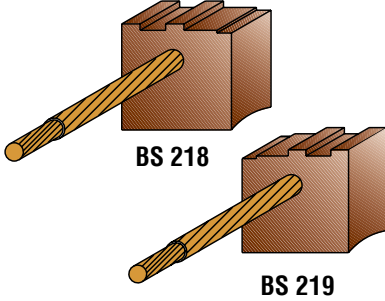
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 218-219**

1 004 320 230  
1 004 320 231



BO 2191  
BO 2192

0 001 107 103-106  
121 024-031  
24-422-272, 55- 351-638, 92-00-961, 93-176-061

2-BS 218  
2-BS 219

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

5x12x10,6/11,6

VOLKSWAGEN

001 911 023,  
036 911 023 S,  
085 911 023 H

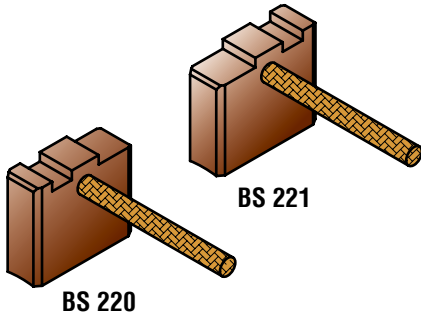
SEAT

CORDOBA, IBIZA  
1.4,  
LUPO 1.4

OPEL

**BSX 220-221**

1 004 320 208  
1 004 320 209



2-BS 220  
2-BS 221

0 001 109 064-067,069,070,205,  
258-274,300-307  
110 086,087,118,119,130,131,  
133,134,136-139  
124 001-008,011,013,014,022,027  
125 003,004,007,008,025,031,  
032,035,036,039,040,042,  
043,046-049,051-056,  
511-514,517-522,600,601,605-608  
F 000 AL0 111  
F 004 A94 008,011  
DB/DW(L) 1.7-2.0 kw  
DB/DW(R) 1.7-2.2 kw  
R78-L35,M28,M35,M45,M55(R)  
RF78-L30,L35(L)  
RF78-M28,M45,SW28(R)

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

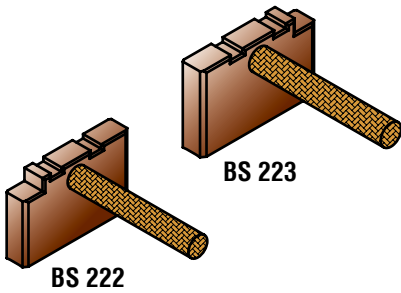
6x18x14.2/15.7

AUDI  
SEAT

A4  
EXEO

**BSX 222-223**

2 004 320 264  
2 004 320 265



2-BS 222  
2-BS 223

0 001 260 001  
HX-95L

Gerilim / Voltage  
(Volt)

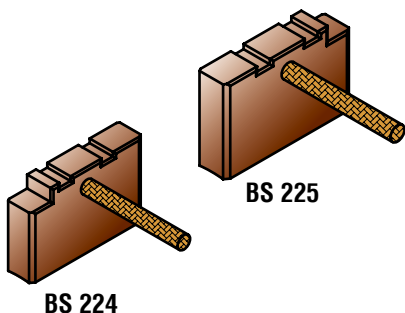
12

Ölçü / Dimension  
(mm)

6,35x27.77x18.2

**BSX 224-225**

6 033 AD3 260  
6 033 AD3 261



2-BS 224  
2-BS 225

0 001 230 001-024,026-030  
EV(R) 3.0 kw  
HEF95-M

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

6,35x27,77x18

MERCEDES UNIMOG



Takım Sipariş Kodu / Set Order Code

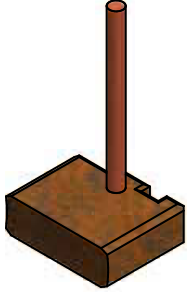
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BSX 228-6**

1 004 320 244

**YENİ - NEW**

**BO 2281**

 0 001 139 001-002,005-006,015-016,  
047,048  
S78-M 12V(R) 2.2 kw  
BMW Model 1 and 3 diesel start/stop  
Mini start/stop  
Chrysler

**6-BS 228**

 Gerilim / Voltage  
(Volt)

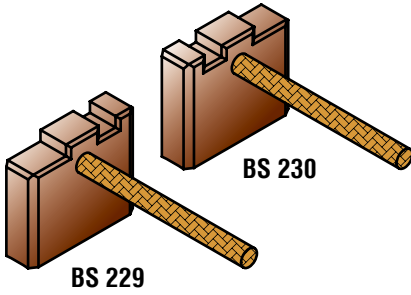
**12**

 Ölçü / Dimension  
(mm)

**5.25x18x12.7x14.2**
**AUDI** A4  
**SEAT** EXEO  
**CHRYSLER**  
**FERRARI**  
**FIAT** PUNTO, DOBLO  
**PORSCHE**  
**ALFA**  
**BMW**  
**MERCEDES**
**BSX 229-230**

1 004 320 245

1 004 320 246


**BO 2301**
**BO 2302**

 0 001 138 001-006,009-012,014-016,  
018,029,030  
S74-L(R) 1.7 kw

**2-BS 229**
**2-BS 230**

 Gerilim / Voltage  
(Volt)

**12**

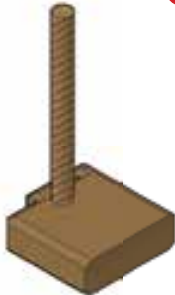
 Ölçü / Dimension  
(mm)

**4.6x16x12.3/13.8**
**BMW MODELS** 1+3 GAS  
START/STOP  
MINI GAS,  
-COOPER  
DIESEL  
START/STOP  
PUNTO

**FIAT**  
**OPEL**  
**SUZUKI**  
**ALFA ROMEO** MITO

**BSX 233 (4)**

1 004 320 251

**YENİ - NEW**

**4-BS 233**

S74- start/stop starters

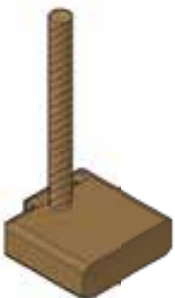
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**4.6x14.0x12.3  
/ 13.8**
**BSX 233 (6)**

1 004 320 251

**YENİ - NEW**

**BO 2331**

 S74-M start/stop starters replaced by BSX 236 overload  
protection start/stopstarters

**6-BS 233**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

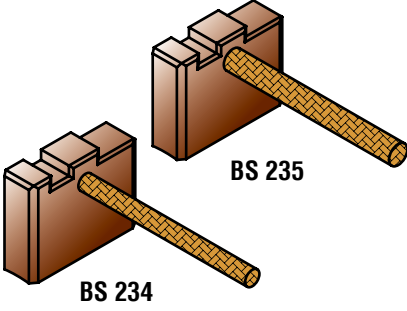
**4.6x14.0x12.3  
/ 13.8**
**FIAT**

Takım Sipariş Kodu / Set Order Code

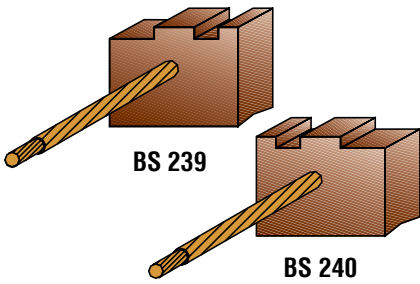
Özellikler  
Properties

Motor Numarası / Unit No.

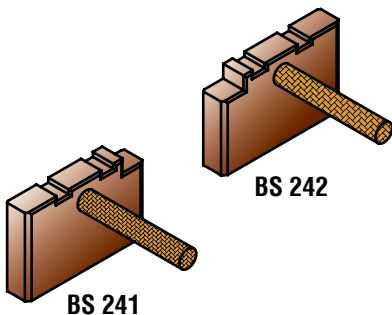
Araç Modeli/Vehicle Model

**BSX 234-235**1004 320 254  
1004 320 253**BO 2351**R78- (L) 2.2 kw  
overload protection starters  
0001145001  
LESTER  
33328**3-BS 234**  
**3-BS 235**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**5.25x18x12.7/14.2****AUDI**  
**BOSCH STARTER-** FOR LINDE  
13TH  
1.9/2.0KW  
PMGR,  
CWW,  
**OEM. UNIT****BSX 238**

1 004 320 257

**YENİ - NEW****4-BS 238**0 001 153 500,501  
SFL74-E+ 12V(L) 12 Volt overload protection startersGerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**4.6x19.5x12.3  
/ 13.8****MERCEDES BENZ** B180  
B180CDI  
B200  
B200CDI  
B250**BSX 239-240**1 004 320 266  
1 004 320 267**2-BS 239**  
**2-BS 240**

HX 95-M,-L overload protection starter

Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6,35x27.77x18.2****BSX 241-242**1 004 320 268  
1 004 320 269**2-BS 241**  
**2-BS 242**

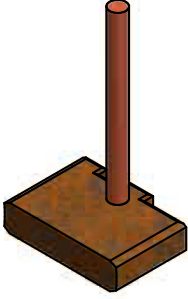
HX 95-M,-L overload protection starter

Gerilim / Voltage  
(Volt)**24**Ölçü / Dimension  
(mm)**6,35x27.77x18.2**

Takım Sipariş Kodu / Set Order Code

**BSX 244**

1004 320 282

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BO 2441**

0 001 152 007-010,105,016

VW-Family start/stop starters

**4-BS 244**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**4.6x19.5x12.3/13.8****AUDI** A1/A3/Q3/S1

1.6/2.0 TDI

**SEAT** ALHAMBRA, ALTEA,  
IBIZA, LEON**SKODA** FABIA, ROOMSTER,  
SUPERB, YETI

1.2/1.6 TDI

**VW** CADDY, EOS,  
GOLF V1, PASSAT,  
1.6/2.0 TDI

Takım Sipariş Kodu / Set Order Code

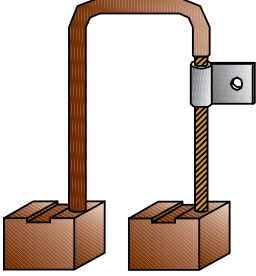
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**CHX 4**

2 275 249



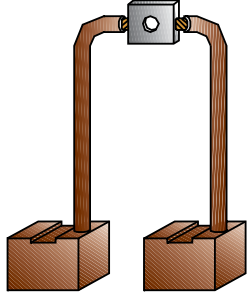
2-CH 4

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

8,8x17,6x13

DODGE  
DESOTO  
CHRYSLER**CHX 6**

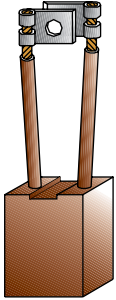
2-CH 6

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

8,8x17,6x13

DODGE  
DESOTO  
CHRYSLER**ASX 13**606 81  
606817  
606826

4-AS 13

Gerilim / Voltage  
(Volt)

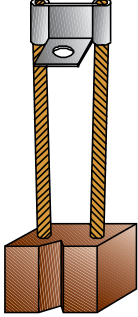
12

Ölçü / Dimension  
(mm)

9x20x26

CA4512, CA45C12, CA45LC12, CA45D12

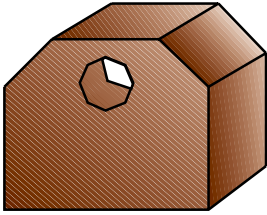
DODGE  
BMC  
COMMER  
LEYLAND

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**RX 55**
**1 906 902  
1 906 909**

**4-R 55**

 Gerilim / Voltage  
(Volt)

**12/24/32**

 Ölçü / Dimension  
(mm)

**9,5x19,05x13,5**
**CATERPILLAR  
IHC  
TÜRK TRAKTÖR**
**RX 60**
**1 906 945  
1 906 966**

**4-R 60**

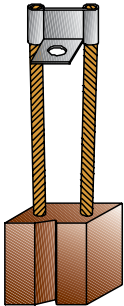
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6,3x19,05x16**

 1107201, 1107619-895,  
1108284, 1108300-8307, 8390, 9439  
199829

**CHEVROLET  
IHC  
GMC  
BUICK**
**RX 69**
**1 906 988**

**4-R 69**

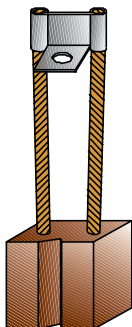
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**9,5x19,05x19**

 111 3484, 3582, 3693, 4052, 4055, 4070  
4074, 4076, 4087, 4091, 4098, 4109  
4145, 4163, 4175, 4176, 4191, 4197  
4702, 4757, 4765

**JOHN DEERE  
IHC  
MACK  
CHEVROLET**
**RX 70**
**1 906 986**

**4-R 70**

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**9,5x19,05x19**

 111 3818, 3824, 3831, 3842, 3849, 3850, 3855, 3856  
3872, 3898, 3905, 3914, 3917, 4051, 4168, 4711,  
4759

**JOHN DEERE  
IHC  
MACK  
CHEVROLET**



Takım Sipariş Kodu / Set Order Code

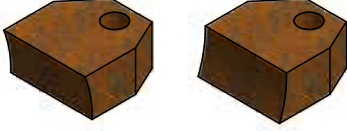
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**RX 87**

1 906 958  
1 906 962  
190968  
190987



R 87 A

R 87 B

2-R 87 A  
2-R 87 B

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

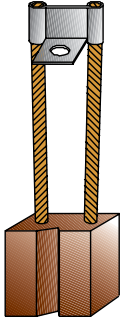
9,5x19,05x19

111 3089, 3090, 3135, 3139, 3148, 3162  
3163, 3190, 3197, 3205, 3210, 3242  
3261, 3262, 3534, 3535, 3626, 3633  
3639, 3640, 3641, 3647, 3652, 3653  
3655, 3657, 3661, 3672, 3683, 3690  
3695, 4661, 4671, 4672

IHC  
DODGE,  
MACK,  
AS 600,  
ALL, CHAL

**RX 92**

1 906 918  
1 906 989



4-R 92

Gerilim / Voltage  
(Volt)

24

Ölçü / Dimension  
(mm)

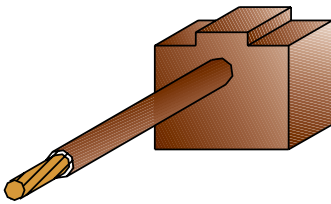
7,9x19,05x19

1109961-98  
1109220 1221, 1224, 274, 275, 297, 626, 628, 632, 635  
637, 642, 643, 648, 773, 779, 840, 842, 961  
965, 969, 970, 971, 979, 986, 989, 998

CATERPILLAR

**RX 120/0 (2)**

3 471 625



1-R 909/0  
1-R 924

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

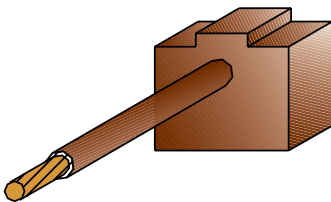
6x16x14

3471150

OPEL  
CORSA  
ASCONA  
MANTA  
VOYAGE

**RX 120/0 (4)**

3 471 783  
3 471 834



2-R 909/0  
1-R 922  
1-R 924

Gerilim / Voltage  
(Volt)

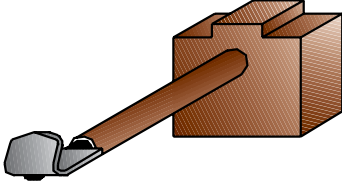
12

Ölçü / Dimension  
(mm)

6x16x14

3471155, 169, 170, 173-176

OPEL  
CORSA  
ASCONA  
MANTA,  
VOYAGE

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**RX 120 (2)**
**3 471 506**

**1-R 909/0  
1-R 924 C/0**

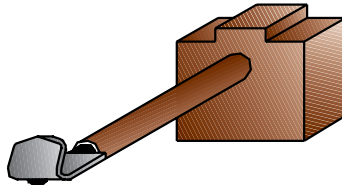
3471143

**OPEL**  
CORSA  
ASCONA  
MANTA  
VOYAGE

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x16x14**
**RX 120 (4)**
**3 471 505**

**2-R 909/0  
1-R 922-924 C/0**

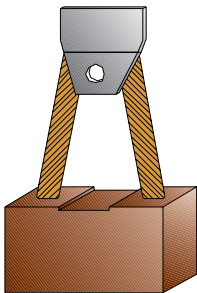
3471141, 144

**OPEL**  
CORSA  
ASCONA  
MANTA  
VOYAGE

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x16x14**
**RX 122**
**1 852 884**

**4-R 122**

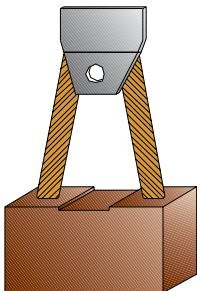
 1114825, 4836, 4881, 4908, 4920  
1990218, 1990325  
40 MT 400, 450

**CATERPILLAR  
MACK  
VOLVO  
FORD**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**9,5x38,1x21,4**
**RX122 H**
**1 852 882  
1 852 883**

**4-R122 H**

 1109790  
1114854, 4858, 4859, 4910, 4935, 4958,  
1990297, 1990346  
40 MT 400, 450

**CATERPILLAR  
MACK  
VOLVO  
FORD**

 Gerilim / Voltage  
(Volt)

**24/32**

 Ölçü / Dimension  
(mm)

**9,5x38,1x21,4**

Takım Sipariş Kodu / Set Order Code

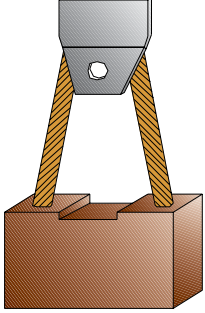
Özellikler  
Properties

Motor Numarası / Unit No.

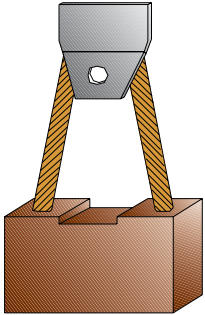
Araç Modeli/Vehicle Model

**RX 124**

1 852 887

**6-R 124**10478911  
1990227, 1990231, 1990233, 1990236, 1990244  
1990265, 1990269, 1993798, 1993847  
50 MT 400CATERPILLAR  
CUMMINS  
MACK  
VOLVO  
FORDGerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**7,9x38,1x20,6****RX 124 H**

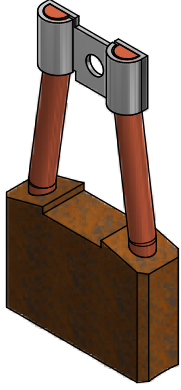
1 852 888

**6-R 124 H**1114683, 84, 86, 89  
50 MT 400CATERPILLAR  
CUMMINS  
KOMATSU  
MACK  
VOLVOGerilim / Voltage  
(Volt)**24**Ölçü / Dimension  
(mm)**7,9x38,1x20,6**

Takım Sipariş Kodu / Set Order Code

**RX 134**

1 852 892


 Özellikler  
Properties

**DR 1341**

 10478802, 10478803, 10478824, 10478894  
1990337, 348, 349, 352, 354, 358, 363 365, 374, 375, 377,  
379, 386, 398

**4-R 134**

 1993400, 420, 431, 468, 470, 483, 484 489  
824, 935, 937, 942, 975, 977 984

 Gerilim / Voltage  
(Volt)

 42 MT  
71359093-3, 713590933  
1483312

**12**

 Ölçü / Dimension  
(mm)

**10,5x36,6x24,4**

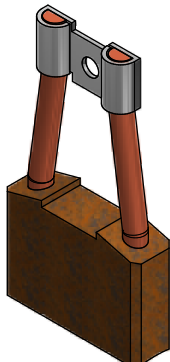
 L118276  
0R2186, 0R2186, 0R2187, 0R2188, 0R2189, 0R2190,  
0R2191, 0R2192, 0R4256, 0R4257, 0R4259, 0R4264,  
0R5218, 104-7041, 104-7042, 1046547, 106-8551,106-  
8552, 106-8552, 106-8554, 1068555, 10R0400, 10R0405,  
207-1541, 207- 1548, 207-1551, 207-1556, 2N2761, 3E7863,  
3E7863, 3E7863, 3T2579, 3T2579, 3T2648, 3T2764, 3T4586,  
3T4586, 4N0957, 4N1062, 4N3182, 4N3182, 5L4431,  
6B5539, 6N1889, 6V4214, 6V5207, 6V5207, 6V5227, 6V5537,  
6V5539, 6V5821, 769132, 8C3596, 8C3645, 8C3646, 8C3651,  
8C3651, 8C3652, 8C4090, 8H1913, 8N2447, 9G4339,  
9X4507, DR2192, PR5347, PR5348  
R0461126, R0461127, R0461184  
12850029  
1034953H91, 1034953H91, 1219523H91  
E-821124X, E-821124X, E-821126X, E-821131X, E-821131X  
85014  
260493C91, 263819C91, 313973R93, 313979R93,  
3584403C91, 430138C91, 489716C91, 527888C91,  
541747C91, 597219C91, 597220C91, 673796C92,  
989969C91  
RE24305, RE28782, RE38633, RE38634, RE41754, RE41756,  
RE43047, RE51579, RE51792, RE51792, RE53695, RE61457,  
RE61591, RE63094, RE63094, RE69590, RE69591, RE69591,  
SE501453, SE501454, TY6728, TY6730, TY6746  
8MJ4267M  
291-183-M91  
V90562, V90563  
820013422, 820013427, 820013433, 820013435, 820013436  
V1114249, V1114251, V1115303

Araç Modeli/Vehicle Model

**BMC** FATİH KAMYON /  
TRUCK  
**MACK**  
**CATERPILLAR**  
**CLARK**  
**FATİH,**  
**ALLIS CHALMERS**  
**BLUEBIRD BUS**  
**CASE**  
**CATERPILLAR**  
**DETROIT DIESEL**  
**DEUTZ ENGINE MFR**  
**DRESSER ENGINE MFR**  
**EUCLID**  
**GENIE**  
**IHC, NAVISTAR**  
**JOHN DEERE**  
**MACK TRUCK**  
**MASSEY FERGUSON**  
**VERSATILE**  
**WESTERN STAR**  
White

**RX134 H**

1 852 894


**DR 1342**

 10478836, 10478892, 10478998  
1990344, 1990350, 1990367, 1990378, 1990453,  
1990456, 1993801, 1993802, 1993808, 1993940,  
1993945, 1993998, 1993999

**4-R 134 H**

42 MT

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**10,5x36,6x24,4**
**CATERPILLAR**

Takım Sipariş Kodu / Set Order Code

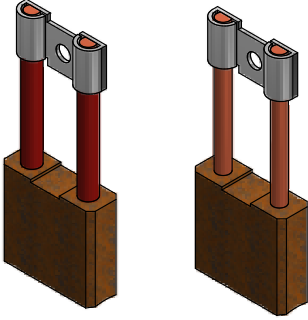
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**RX 135**

1 852 889



R 135 A

R 135 B

**DR 1351**

10478890 10478953 10478957 10479036  
1990311, 1990313,  
1993850, 1993851, 1993854, 1993866, 1993869  
1993881, 1993884,  
1993885, 1993886, 1993928, 1993931  
37 MT, 41 MT

Gerilim / Voltage  
(Volt)

c/ motor Cummins serie C 1631L;  
1632L; 1632LS; 1634LS; 1938LS; 1939S; 1944L; 2638;  
2638LK; 2638LS; OF1722; OH1628

**12**

Ölçü / Dimension  
(mm)

**9,5x28,6x26,3**

**FORD**

**MBB** CARGO

CUMMINS  
6CTAA 8.3L

**MERCEDES-BENZ**

BR 400 ; BR 450

**BUS** 0-400

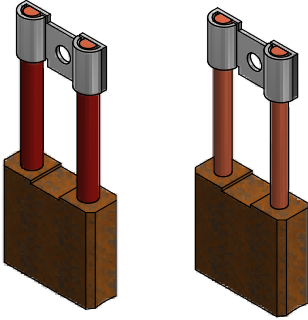
**TRUCKS** 1938 / 2638  
VEHICLES,

**VOLKSWAGEN**

motor serie C

**RX 135 H**

1 852 893



R 135H A

R 135H B

**DR 1352**

10478814, 10478815, 10478817, 10478819, 10478960,  
10479013, 10479172  
1990330, 1993732, 1993742, 1993901, 1993902,  
1993903, 1993905, 1993918 1993953, 1993954  
37 MT, 41 MT

Gerilim / Voltage  
(Volt)

motor Cummins Serie C 1631L;  
1632L; 1632LS; 1634LS; 938LS; 1939S; 1944L; 2638;  
2638LK; 2638LS; OF1722; OH1628

**24**

Ölçü / Dimension  
(mm)

**9,5x28,6x26,3**

**FORD**

**MBB** CARGO

CUMMINS  
6CTAA 8.3L

**MERCEDES-BENZ**

BR 400 ; BR  
450

**BUS** 0-400

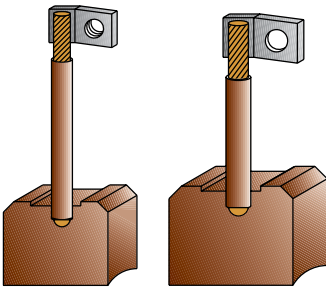
**TRUCKS** 1938 / 2638  
VEHICLES c/

**VOLKSWAGEN**

motor serie C

**RX 419-420**

1 045 711 9  
1 045 712 0



R 419

R 420

**DR 4201**

10479600, 05, 08, 11, 12  
1113272, 77, 91  
28 MT

**2-R 419**  
**2-R 420**

FG140 - MOTOR 6 CT 8.3 - 02/1999..., AD 7 B; FA 120;  
FH 200, FD 9; FR 10 B; FR 12 B, FR 120.2,  
A 835; GD 523 A; GD 523 R, PC 150 SE, (RETRO)

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

**7,9x24,8x19,5**

**JOHN DEERE**

**NEW HOLLAND**

**IVECO** KAMYON /TRUCK

**FIAT** 80 / 80S / 120 / 130 /

140 / 8340 / 8360, YANMAR

**CASE** W18 D / W 18

E / W 20 D / W20 E, EL

DETALLE OA 101 - 09/1997...,

**MERCEDES-BENZ**

12 t L - L 1214/1217/1218;

14 t L - L 1414/1418, 16 t

L - L 1614/1618/1621; OF

1318/1620, 13 t L - L 1317

/ 15 t L - L 1517 ; 0 371 U /

UL ; OF 1115 /1315 /1721 ;

OH 1315 G / OH 1318 / OH

1621 LG / OH 1623 LG,

**FIAT-ALLIS**

**VOLVO** VME L 30, CASE: 888

BCKE; 888CKE,

**KOMATSU**

ESCAVADEIRA PC 150

MODELO 3,

**FORD** CARGO WORLD

TRUCK 1618; B 1618; B

1621, **IVECO**

120 E15; 150; 149 E

18; 150 E 20; 150 E 20 T;

150 T; 160 E 21; 160 E 23;

160 E 23 T,

**VOLKSWAGEN**

16t - 16.180 CO/16.210 CO;

17t - 17.210 OD/17.2400T,

B 16.180; L 80



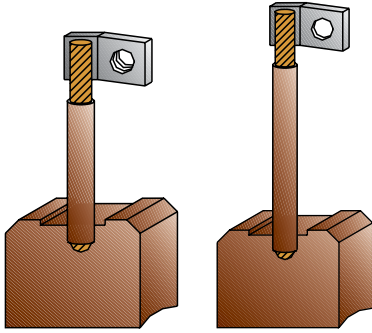
Takım Sipariş Kodu / Set Order Code

 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**RX 457-458**

 1 045 645 7  
1 045 645 8


R 457

R 458

**DR 4581**

 1 113 273-82,86-88,90  
292,95-97  
323-451

28 MT

**2-R 457  
2-R 458**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7,9x24,8x19,5**
**FIAT** 80 / 80S / 120 /  
130 / 140 /  
8340 / 8360,  
**YANMAR CASE**

 W18 D / W 18 E  
/ W 20 D / W20  
E, EL DETALLE  
OA 101 -  
09/1997...,

**MERCEDES-BENZ**

 12 t L - L 1214  
/ 1217 / 1218;  
14 t L - L  
1414/1418, 16 t  
L - L 1614 / 1618  
/ 1621; OF  
1318 / 1620,13 t  
L - L 1317  
/ 15 t L - L 1517 ;

**FIAT-ALLIS** FG140 - MOTOR 6  
CT 8.3 -02/1999...,  
AD 7 B; FA 120;  
FH 200, FD 9; FR  
10 B; FR 12 B, FR  
120,2,

**VOLVO** VME L 30, CASE:  
888 BCKE;  
888CKE,

**KOMATSU** A 835; GD 523 A;  
GD 523  
R, PC 150 SE,  
RETRO-  
ESCAVADEIRA PC

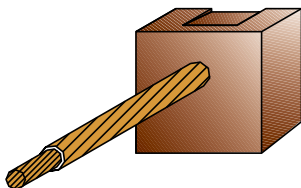
**FORD** 150 MODELO 3,  
CARGO WORLD  
TRUCK  
1618; B 1618; B  
1621,

**IVECO** 120 E15; 150;  
149 E 18; 150 E  
20; 150 E  
20 T; 150 T; 160 E  
21; 160 E  
23; 160 E 23 T,

**VOLKSWAGEN**  
16t - 16.180  
CO/16.210 CO;  
17t - 17.210  
OD/17.2400T,  
B 16.180; L 80

**RX 911**

1 852 898


**4-R 911**

9000751, 56, 58

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

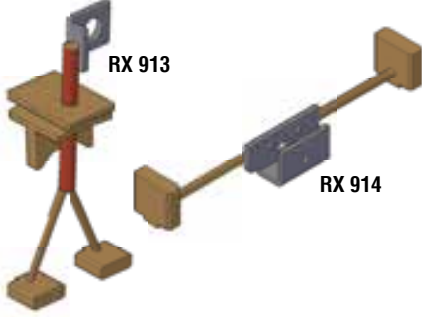
**5,5x15x14,5**
**OPEL** UNIT-NOS  
**DAEWOO** ESPERO

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

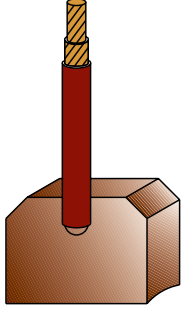
Araç Modeli/Vehicle Model

**RX 913-914****YENİ - NEW**1-R 913  
1-R 9141045506,96208781,9627548  
SD80FDAEWOO  
OPELASTRA  
KADETT  
VECTRAGerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

4,6x13x11/12

**K 008**

4-K 008

19011501  
0986018370  
39MT

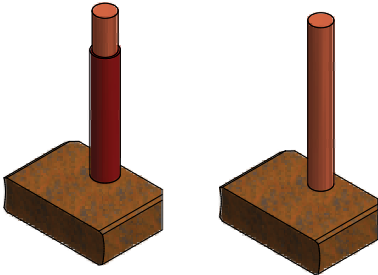
MERCEDES

AXOR  
ACTROS  
TRAVEGO  
CITARO  
TOURISMOGerilim / Voltage  
(Volt)

24

Ölçü / Dimension  
(mm)

8x30x22,6

**K 010**

K 010 A

K 010 B

2-K 010A  
2-K 010B19011512  
39MT

BMC

FATİH KAMYON /  
TRUCK PRO  
822 / 827

CUMMINS

Gerilim / Voltage  
(Volt)

24

Ölçü / Dimension  
(mm)

9,5x32x22

Takım Sipariş Kodu / Set Order Code

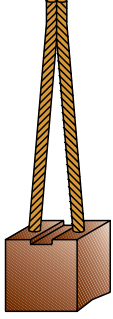
 Özellikler  
Properties

Motor Numarası / Unit No.

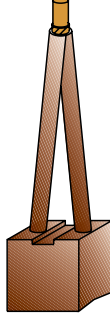
Araç Modeli/Vehicle Model

**USX 44-21**

75217



US 44



US 21

**1-US 44**  
**1-US 21**

 Gerilim / Voltage  
(Volt)

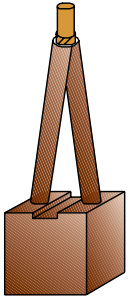
**6/12**

 Ölçü / Dimension  
(mm)

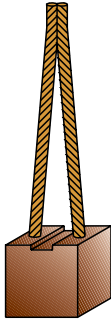
**8x15x15**

 532000, AB, B, 532001, AB, 532002, ABC, 532004, AB, C, 532005, A  
532007, A, 532008, ABC, 532009, AB  
532010, AB, 532011, A, 532014, A  
532017, A, 532018, A, 532020, A  
533000, A, 533001, A, 533002, A

**RENAULT**
**USX 60-59**

 75 238  
618 491


US 60



US 59

**1-US 60**  
**1-US 59**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

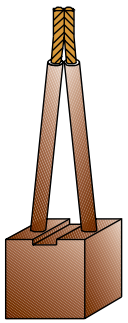
**8x15x15**

 434B, 5130A  
6020ABCD, 23BCDE, 33, 34AB, 35ABCDE  
6048, 49A, 50ABC, 73ABCD, 77ABC, 81ABCDEF,  
6101AB, 21A, 22AB, 28AB, 29A, 30A, 34ABCDEFGH,  
6136ABD, 37ABCDEF, 38ABC, 39AB, 43A, 44AB, 47AB,  
6155ABCEG, 57A, 61ABCFH, 62ACE, 70A, 71A,  
6172AB, 74ABCDEF, 75AB, 76ABCEG, 81A, 83ABCFG,  
6185ABC, 87ABCEF, 89ACDEF, 90AB, 95A, 97A  
6202AB, 3ABCD, 6AB, 8A, 12AB, 15ABCD, 16ABC, 17ABCDE,  
6219ABC, 20ABC, 21A, 23A, 24BCD, 26A, 27ABCD, 31ABCD,  
6236BC, 37ABCD, 38ABCD, 40A-42A, 44A, 45A, 47AB,  
532000AB, 1AB, 2ABC, 3AB, 4ABC, 5A, 7A, 8ABC, 9AB,  
532010AB, 11A, 14A, 17A, 18A, 20AB,  
533000A-4A, 583008, 618070, 71, 73, 74, 77, 78, 91,  
618358, 482, 484, 490, 618565, 795

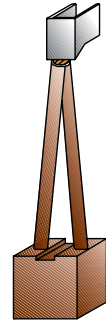
**RENAULT**  
**PEUGEOT** 403-404

**USX 73-85**

618 491



US 73



US 85

**1-US 73**  
**1-US 85**

 Gerilim / Voltage  
(Volt)

**12**

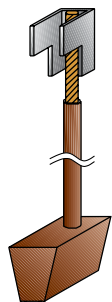
 Ölçü / Dimension  
(mm)

**8x15x15**

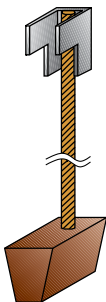
 6020EF, 35F, 77BC, 81EF  
6134FGH, 36ABD, 37ABCE, 39BC, 44AB  
6155HIKL, 61ABCFH, 62ACE,  
6172B, 74ADBCEFGH, 75AB, 76EG  
6181A, 83ABCFG, 85ABC, 87CEF, 89DEF,  
6190AB, 95A, 97A,  
6201ABCD, 2AB, 3ABCD, 6AB, 8AB, 12AB, 15ABCD,  
6216ABC, 17ABCDE, 18A, 19ABC, 20ABC, 21A-23A,  
6224ABCD, 26A, 27ABCD, 31ABCD, 36BC, 37ABCD,  
6238ABCD, 40A-42A, 44A, 45A, 47AB  
6627AB  
532000AB, 1AB, 2ABC, 3AB, B, 4AB, C, 5A, 7A, 8ABC  
532009AB, 10AB, 11A, 14A, 17A, 18A, 20AB,  
533000A, 1A, 2A, 3A, 4A  
618074, 77, 91  
618482, 84

**CITROEN**  
**PEUGEOT**  
**RENAULT** R5, R12, R14

**USX 91-92**

 583041  
618691  
618692


US 91



US 92

**1-US 91**  
**1-US 92**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6/11,7x13x15**

 6202CDEF, 17FGH, 41B, 46AC  
532012AB, 16AB, 21A, 23A, 24AB, 25AB, 26A,  
534000A, 2A, 3ABC, 4AB, 5ABC, 7A, 9ABC, 23A, 24A,  
29A, 31A,  
534032A, 39A, 42AB, 43AB, 44A-49A, 50AB, 51A, 52A,  
53C, 54D,  
534055E, 57A

**CHRYSLER**  
**CITROEN**

Takım Sipariş Kodu / Set Order Code

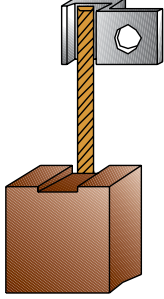
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JSX 5**

748 681 71  
805 581



**2-JS 5**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

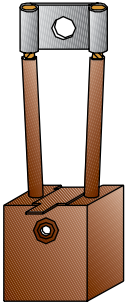
**6x16x17**

4060919 4112049 4117351 4117464 4126193 4287971  
4287972 4291804 4474852  
63201000 63201001 63201003 63201004 63201005  
63201100 63201101 63220107 63220108 63220137  
63220138 63220202 63220232 63220400 63220402  
63220403 63220408 63220409 63220430 63220432  
63220433 63220438 63220439 63220505 63220506  
63220535 63220536 63220537 63220538 63220735  
63220740 63220741 63220743 63220744 63220746  
63220830 63220834 63220931 63220932 63220940  
870374  
11130134 11130143 11130266 AZD3502 AZD3508

FIAT  
600T, 850T  
900T, 100T  
500D, 600D  
126  
PANDA  
UNO

**JSX 6**

809 775



**4-JS 6**

Gerilim / Voltage  
(Volt)

**24**

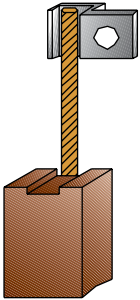
Ölçü / Dimension  
(mm)

**10x20x23**

FIAT

**JSX 9**

853 160  
747 026 10



**4-JS 9**

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

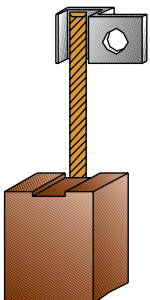
**6,5x14x20**

E115-3/24  
632 238 00, 02, 07, 30, 32

FIAT  
1100, 615  
625  
TRAKTÖR /  
TRACTOR  
411, 415

**JSX 13**

748 747 41



**4-JS 13**

Gerilim / Voltage  
(Volt)

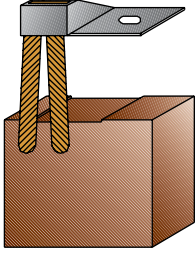
**12**

Ölçü / Dimension  
(mm)

**7x16x20**

35370812B  
4044309 40636136 4064058 4085959 4085977  
4145211 4156064 4162784 4162785 4206634 4285916  
4293672 4294494 4474746 4474747 4474762 4475025  
4475131  
63206002 63206003 63222301 63222304 63222331  
63222400 63222405 63222408 63222409 63222430  
63222435 63222437 63222438 63222439 63222501  
63222502 63222531 63222532 63222535 63222536  
63222602 63222700 63222701 63222703 63222730  
63222731 63222733 63222735 63222736  
E100N1512 Z11M21161814 ZF112189

LADA SAMARA  
SKODA FAVORIT  
VOLKSVAGEN  
AUDI

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**JSX 15**
**747 341 01**

**4-JS 15**

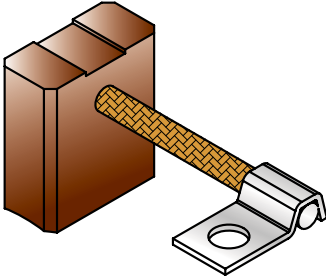
M130-7/24/M130-6/8/24V,1c,2c  
M130-9124T  
632 243 01-03,98,99  
632 253 01,03,91,98  
632 263 00,02,91

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

**11,5x35x30**
**FIAT** 693, 697  
KAMYON / TRUCK

**JSX 16**
**748 617 81**

**2-JS 16**

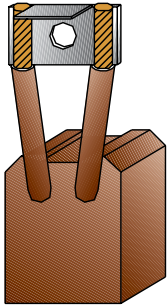
E84-08/12V, Var.1,2,3,6,8  
632 207 00-03,05,06,20,21,23,24,30-33,35,  
632 207 40,41,43,44,46  
632 208 00-04,06,08,30,32,33,34,36  
632 209 31,32,40

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**8x17x19**
**RENAULT**  
**TOFAŞ** MURAT 124  
DOĞAN  
ŞAHİN  
**FIAT** TEMPRA 1.3  
**RENAULT** 12  
**SEAT** RONDA

**JSX 18**
**748 387 01**

**4-JS 18**

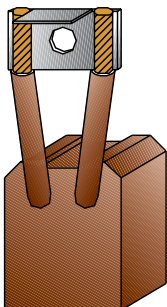
M125-24, M3-Z9  
63224580

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

**10x22x28**
**FIAT** TRAKTÖR/TRACTOR  
450-480  
KAMYON / TRUCK  
625 35-50 NC

**JSX 19**
**748 460 01**

**4-JS 19**

M125-3/12  
4172113  
63224600, 02, 91

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**10x22x28**
**FIAT** TRAKTÖR/TRACTOR  
FH- 220, 250  
255, 300DT  
400 CR, FH  
420, 450, 455  
500



Takım Sipariş Kodu / Set Order Code

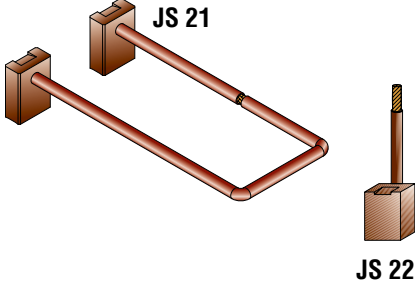
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JSX 21-22**

748 811 51  
748 809 21



FI 1221

1-JS 21  
2-JS 22

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

6x13x17,5

E95-0, 9-12  
E95-1, 0-12  
632 213 30, 32-35, 38  
214 30, 31  
215 31, 32, 34, 35, 38  
216 33, 37

TOFAŞ

FIAT  
FORD

DOBLO  
TAUNUS  
SIERRA  
CAPRI  
TRANSIT

ANADOL  
FORD

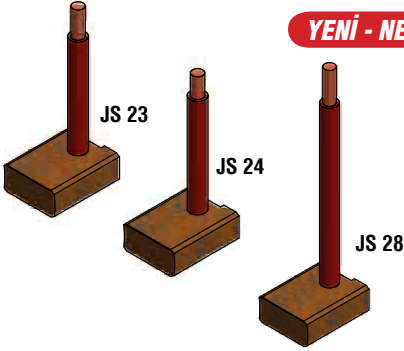
RENAULT  
PEUGEOT  
BMW

TUZLA  
JEEP  
9-11

**JSX 23-24-28**

748 879 01  
748 879 11  
748 912 60

**YENİ - NEW**



2-JS 23  
1-JS 24  
1-JS 28

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

7x15,5x20

E100-1,6/12  
632 232 35-39  
632 233 30-32

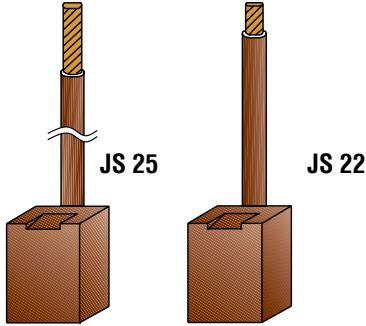
FIAT

SEAT  
LANCIA

STRADA  
REGATA  
UNO

**JSX 25-22**

748 811 51  
748 883 61  
855 303 00



1-JS 25  
3-JS 22

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

6x13x17,5

E-95-1/12  
632 214 30  
215 32, 38

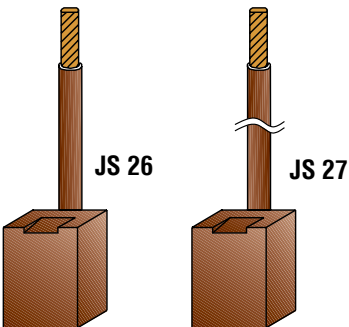
FIAT

SEAT

BRAVA  
RACING  
SPIDER 2000  
132 BERLINA  
NUOVA  
REGATA

**JSX 26-27**

748 911 01  
748 909 61



3-JS 26  
1-JS 27

Gerilim / Voltage  
(Volt)

12

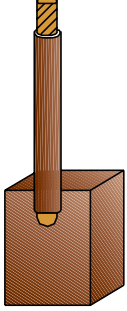
Ölçü / Dimension  
(mm)

6x13x17,5

E-95-1, 1/12  
632 214 33-36, 38  
215 30, 33, 36, 39  
216 30, 32, 35, 36, 39  
217 31

FIAT

BERLINA D  
132  
BERLINA  
2000, REGATA  
1600 ACT  
UNO, 903 D

**Takım Sipariş Kodu / Set Order Code**
**JSX 29-30**
**748 938 51  
855 403 51  
748 936 31**

**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**1-JS 29  
1-JS 30**

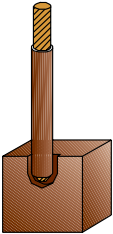
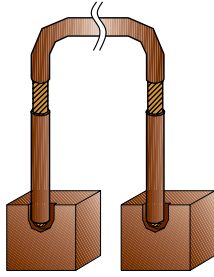
 E95-0, 8/12  
E95C-0, 8-12  
631 010 03  
632 218 30, 32, 34, 90, 92

**FIAT** PALIO 1.1, 1.2  
WEEKEND  
PANDA  
1100 4x4

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x13x17,5**
**JSX 31-32**
**855 403 41  
748 941 21  
832 228 01**

**JS 31**

**JS 32**
**2-JS 31  
1-JS 32**

 E95R-2, 2-12  
632 218 31  
220 30, 31, 34-36, 38, 39  
221 30, 31, 33-36, 38  
222 04, 06

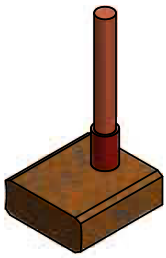
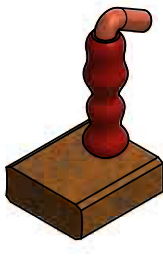
**FIAT** CROMA  
REGATA D  
TDI  
DUCATO

**LANCIA**  
**ALFA ROMEO** TD  
**BMW** TD

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x19x18**
**JSX 33-34**
**832 204 61,832 201 31  
542 944 44,832 265 57**

**JS 33**

**JS 34**
**FI 3341**

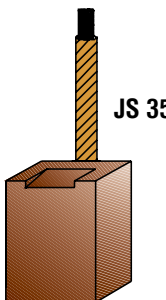
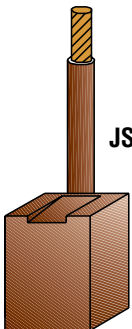
 E70R-1, 4-12  
M70R 1,4/1,8-12  
631 234 30-33, 35, 36  
235 30-33  
236 39  
934 35  
46406973, 46468696, 60813461

**IVECO** MK  
**FIAT** DOBLO  
**ALFA ROMEO**
**2-JS 33  
2-JS 34**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x15x16,7**
**JSX 35-36**
**832 212 41  
832 216 51**

**JS 35**

**JS 36**
**FI 5361**

 E80-0, 8-12  
E80-1, 0-12  
633 228 31-33, 36-38  
230 31-34

**FIAT** E 80 UNO  
TIPO  
TEMPRA

**TOFAŞ** DOĞAN  
KARTAL  
ŞAHİN

**2-JS 35  
2-JS 36**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x13x17,5**
**LANCIA**  
**RENAULT** 12

Takım Sipariş Kodu / Set Order Code

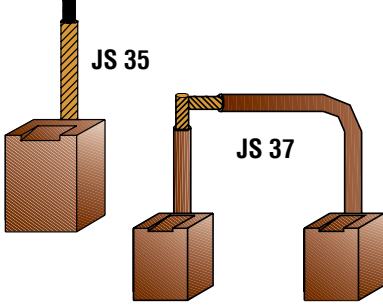
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JSX 35-37**

83 221 241  
83 220 991  
83 223 991



2-JS 35  
1-JS 37

E80E-1, 0-12  
631 230 31-34

NISSAN PRIMERA 1.6

Gerilim / Voltage  
(Volt)

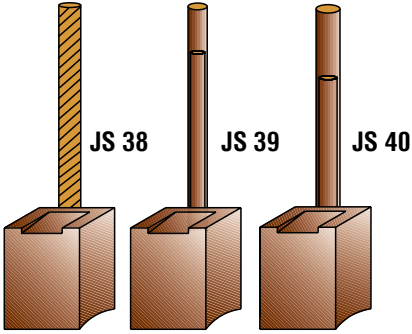
12

Ölçü / Dimension  
(mm)

7x13x17,5

**JSX 38-39-40**

832 244 61  
833 25 117



1-JS 38  
1-JS 39  
1-JS 40

E80E-0, 9-12  
631 020 03, 04, 07, 08  
632 229 00, 01  
230 85  
231 01, 03, 08  
931 03

FIAT BRAVA  
BRAVO  
MAREA  
PUNTO

Gerilim / Voltage  
(Volt)

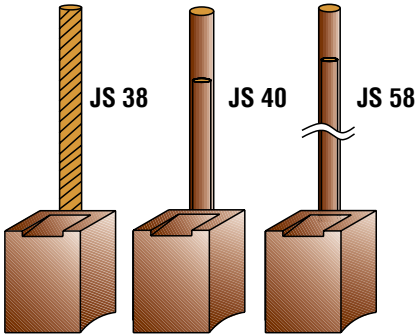
12

Ölçü / Dimension  
(mm)

7x13x17,5

**JSX 38-40-58**

882 253 59  
832 257 10



2-JS 38  
1-JS 40  
1-JS 58

E80E-1, 0-12  
631 030 02, 03, 07, 08

FIAT BRAVA  
BRAVO  
PALIO  
PUNTO  
REGATA  
SIENA  
TEMPRA  
TIPO, UNO

LANCIA

Gerilim / Voltage  
(Volt)

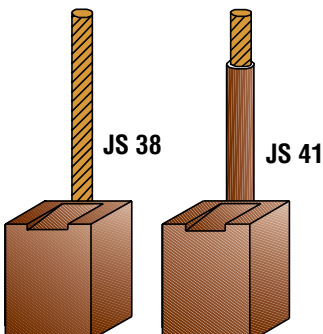
12

Ölçü / Dimension  
(mm)

7x13x17,5

**JSX 38-41**

832 244 61,832 251 46  
832 253 26,832 263 48  
832 264 91



1-JS 38  
1-JS 41

E80E-0, 8-12  
631 010 00, 02  
632 010 08  
228 89, 97  
229 05, 08, 09, 36  
231 04, 09  
232 00  
233 03  
931 04

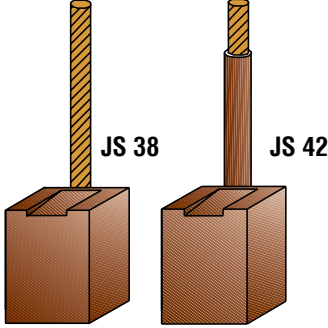
FIAT PUNTO  
SLX

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

7x13x17,5

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**JSX 38-42**
**832 244 81  
832 246 21**

**1-JS 38  
1-JS 42**

E80E Seat

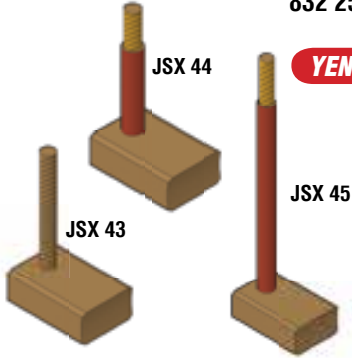
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x13x17,5**
**SEAT  
TOFAŞ**

 ŞAHİN  
DOĞAN  
KARTAL  
TEMPRA  
TIPO  
UNO

**FIAT**
**LANCIA**
**JSX 43-45-44 (4)**
**832 258 22  
832 258 23  
832 258 24**

**YENİ - NEW**
**2-JS 43 ( - )  
1-JS 45 ( + )  
1-JS 44 ( + )**

 E80E  
63223039  
63223304  
63293039

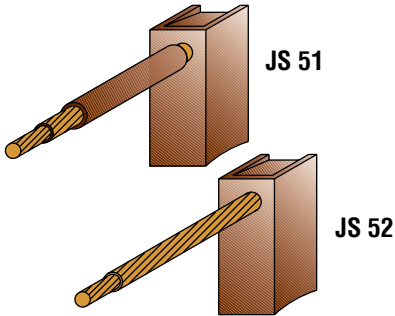
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x13x19,5  
7x13x19,5  
7x13x19,5**
**Replacing : 83225824, 83225823, 83225822**
**VW** POLO CLASSIC  
CADDY

**SEAT  
DAIHATSU** HIJET

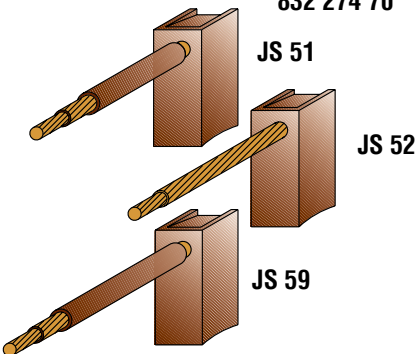
**JSX 51-52**
**832 273 62  
832 273 64**

**1-JS 51  
1-JS 52**

E80F-0, 8-12

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x8x19,5**
**FIAT**
**JSX 51-52-59**
**832 273 62  
832 273 64  
832 274 70**

**1-JS 51  
1-JS 52  
1-JS 59**

E80F-0, 9-12

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

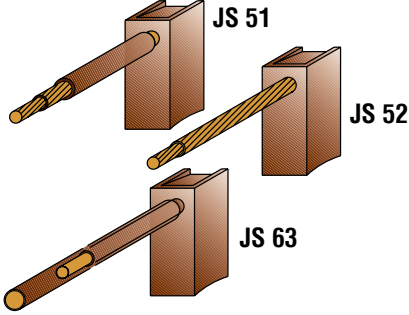
**7x8x19,5**
**FIAT**

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JSX 51-52-63**832 273 62  
832 273 64  
832 276 571-JS 51  
2-JS 52  
1-JS 63

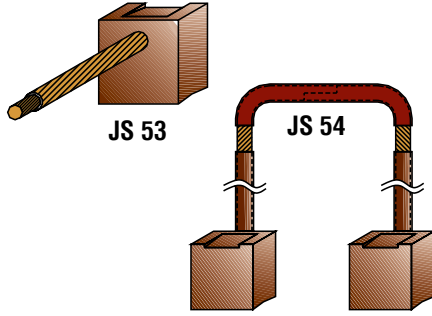
E80F-1, 0-12

FIAT PALIO 1,2  
DOBLO 1,2Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

7x8x19,5

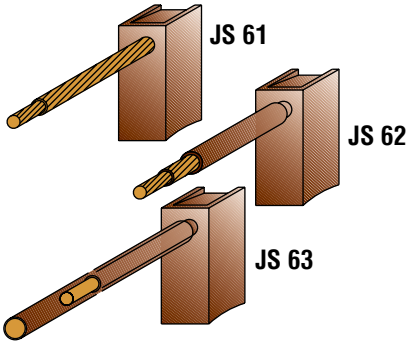
**JSX 53-54**748 944 41,832 257 10  
832 263 36,832 267 10

FI 3541

E95RL-2, 2/2, 6-12  
631 140 08, 10, 14FIAT DUCATO  
DIESEL2-JS 53  
1-JS 54Gerilim / Voltage  
(Volt)

12

8x19x20

**JSX 61-62-63**832 275 84  
832 275 83  
832 276 572-JS 61  
1-JS 62  
1-JS 63

D80F-1, 0-12

FIAT

Gerilim / Voltage  
(Volt)

12

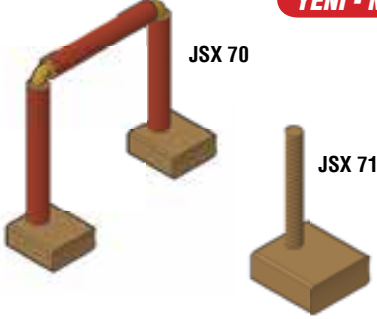
Ölçü / Dimension  
(mm)

7x8x19,5



**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**JSX 70-71**

 028531-6870  
028531-6880

**YENİ - NEW**

 1-JS 70  
2-JS 71

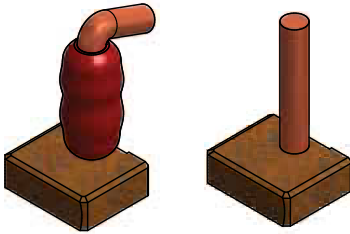
P95 2.3/2.6 kW

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7,8x19x20**
**JSX 72-73**

 028 531-7340  
028 531-7331


FI 2731

028510-6410, 6421, 6440, 6490

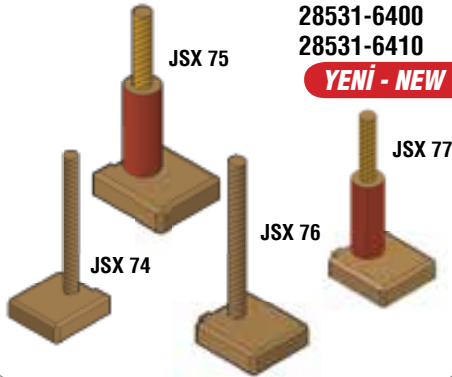
 2-JS 72  
2-JS 73

 Gerilim / Voltage  
(Volt)

**12**
**7x20x16**
**BMW** 3, 5, 7, X5  
**CITROEN** C5  
**PEUGEOT** 307, 407  
**TOYOTA** AVENSIS  
COROLLA  
VERSO

**JSX 74-75-76-77**

 28531-6420  
28531-6390  
28531-6400  
28531-6410

**YENİ - NEW**

 1-JS 74  
1-JS 75  
1-JS 76  
1-JS 77

P70 1.4 kW

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**4,5x14x14,3  
/ 15,3**
**BMW** 1-3-5-7 SERİSİ  
**PSA**  
**TOYOTA** AVENSIS  
COROLLA  
YARIS  
**PEUGEOT** 206  
307

Takım Sipariş Kodu / Set Order Code

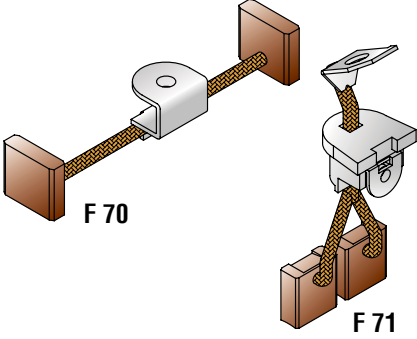
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**FX 70-71**

F00U-11056-AA  
F00U-11055-AA



FO 0711

E90F-11000-AA,BA  
E9SF-11000-AA,BA  
F02F-11000-AA  
F07U-11000-AA,BA  
F0CF-11000-AA,BA  
F00U-11000-AA  
F13U-11000-AA  
F17U-11000-AB  
F1VU-11000-AA  
PMGR-Starter USA

FORD MONDEO  
TRANSIT  
ESCORT

1-F 70  
1-F 71

Gerilim / Voltage  
(Volt)

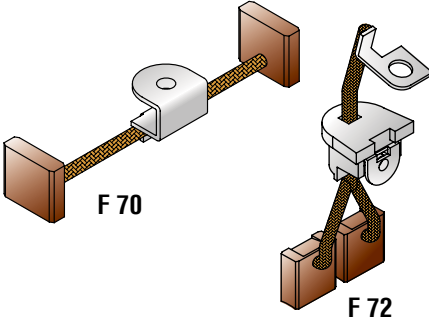
12

Ölçü / Dimension  
(mm)

4,5x16x14

**FX 70-72**

F00U-11056-AA  
F3RU-11055-AA



FO 0721

93BB-11000-HB,JB,JC,KA,KB,KC  
PMGR-Starter Europe

FORD MONDEO  
TRANSIT  
ESCORT

1-F 70  
1-F 72

Gerilim / Voltage  
(Volt)

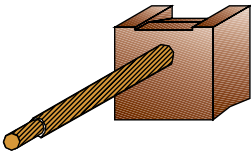
12

Ölçü / Dimension  
(mm)

4,5x16x14

**FX 73**

5 026 806  
6 775 699  
6 775 703



FO 0731

96BB-11000-AA, AB

FORD CONNECT  
FOCUS  
FIESTA

4-F 73

Gerilim / Voltage  
(Volt)

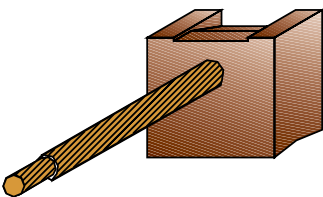
12

Ölçü / Dimension  
(mm)

6x13x14

**FX 74**

F7RU-11434-BA



4-F 74

97BB-11000-BB, BC  
97VB-11000-AA, AB  
98AB-11000-AC  
98VB-11000-BA, B1A, B3A

FORD ESCORT  
FIESTA  
FOCUS, MONDEO  
1.6 DTCl, 1.8D  
MAZDA B 2500  
MOTOCRAFT

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

8,2x18,9x18,2

Takım Sipariş Kodu / Set Order Code

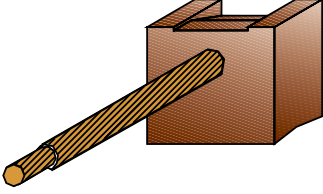
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**FX 75**

F7 RU-11056-CA



FO 0751

97VB-11000

**FORD** TRANSIT  
MOTOCRAFT  
V.184

4-F 75

Gerilim / Voltage  
(Volt)

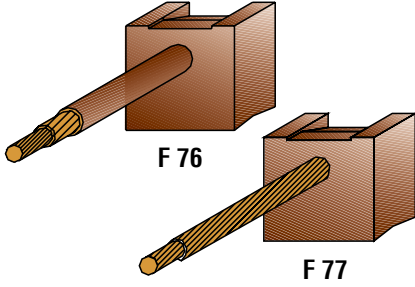
12

Ölçü / Dimension  
(mm)

8,2x18,9x17,8

**FX 76-77**

1C3U-11434-AA

2-F 76 (+)  
2-F 77 (-)

1C3U-11000-AA, -AB, -AE

**FORD** FOCUS,  
CONNECT  
MONDEO  
FIESTA 1.6 DTClGerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

8,2x18,9x18,2

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

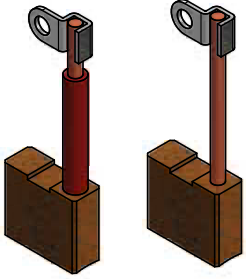
Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 15-6 (4)**

2108-2305  
4305  
6305  
2108-2306  
4306  
6306

**YENİ - NEW**



JAS 15

JAS 6

2-JAS 15  
2-JAS 6

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

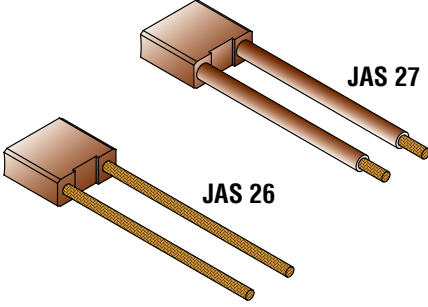
6x16x14

2108-2305, 2306  
9-8211-16310, 16320  
23379-09900  
23380-10600  
S108-56  
S114-91  
S114-150, 156A

DAIHATSU  
ISUZU  
NISSAN SUNNY  
DATSUN VANETTE

**JASX 26-27**

2280-1313  
2280-1312



JAS 26

JAS 27

2-JAS 26  
2-JAS 27

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

6x16x14

2108-2305  
2108-2306  
9-8211-16310  
9-8211-16320  
23379-09900  
23380-10600

DAIHATSU  
ISUZU  
NISSAN

**JASX 31**

2250-1322



**YENİ - NEW**

4-JAS 31

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

9x20x26

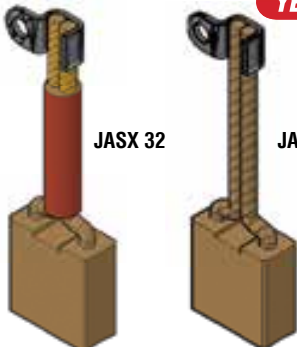
9-8211-1603-0  
9-8211-5114-0  
1-2174-0030-0  
23331-90001  
23331-90004  
23379-61502

ISUZU  
NISSAN

**JASX 32-33**

2114-2313  
2114-6312

**YENİ - NEW**



JASX 32

JASX 33

1-JAS 32  
1-JAS 33

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

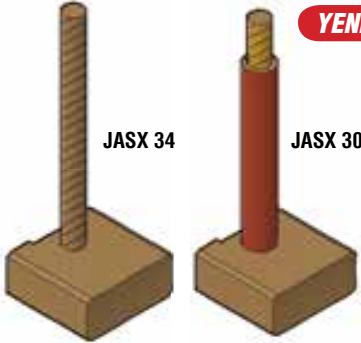
7x16x16,5

9-8211-16440, 16450  
23379-19900  
23380-19900  
S114-87M

ISUZU  
NISSAN SUNNY  
DATSUN VANETTE

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**JASX 34-30**

 2130-6312  
2130-9311

**YENİ - NEW**

**2-JAS 34  
2-JAS 30**

 8-94028-460-0, 464-0  
8-94228-440-0, 444-0, 464-0  
23379-V0700  
23380-V0700  
S13-49A

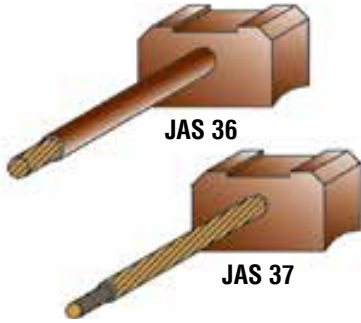
**ISUZU  
NISSAN** BLUEBIRD

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x19x18**
**JASX 36-37**

 2130-5312  
2130-8311

**HI 6371**

 1-81116-023-0  
5-81116-024-0  
8-97030-389-0

**ISUZU  
NISSAN**
**2-JAS 36  
2-JAS 37**

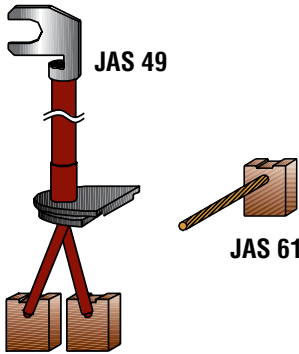
 23379-J 5500  
23380-5500  
23331-Z 9002  
23331-Z 9003  
28331-Z 9000  
28331-Z 9001

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x25x18**
**JASX 49-61**

 2114-63125  
2114-43125

**1-JAS 49  
2-JAS 61**

 S114680, 750, 752, 753, 753B, 754A, 758, 762, 762A, 765,  
766, 766A, 767, 769, 775, 775A, 780, 800, 800A,  
800B, 801A, 01B, 801C, 802, 802A, 804, 805,  
806, 808, 808A, 808B, 818A, 827, 829, 850, 870,  
872  
23380-1E400  
23379-1P100

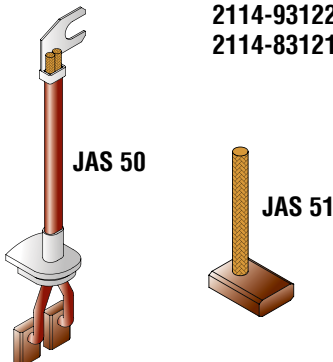
**NISSAN**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**4,5x14x17**
**JASX 50-51**

 2114-23124/63121  
2114-73122/83122  
2114-93122  
2114-83121

**1-JAS 50  
2-JAS 51**

 B101-18X-72/-18X-66  
23379-53J00/23380-53J00  
23379-M8001/23380-12G01  
23379-M8001/23380-42L60  
23379-M8001/23380-57M60  
23379-M8001/23380-77A01  
23379-M8001/23380-M8001  
23387-KA000  
23388-KA000  
49206-6401/-6501  
49207-6401

**MAZDA  
NISSAN  
VW** GOLF  
PASSAT 1.6  
SANTANA  
  
**SUBARU**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x11x16**



Takım Sipariş Kodu / Set Order Code

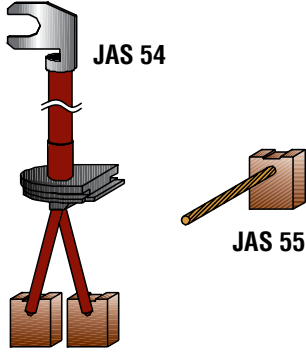
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 54-55**

2114-63126  
2114-53126



HI 4551

1-JAS 54  
2-JAS 55

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

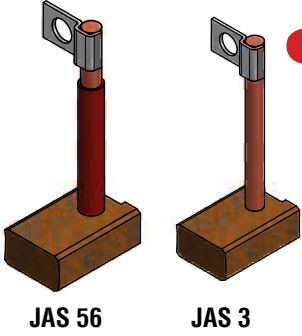
4,5x14x15

S114680, 750, 752, 753, 753B, 754A, 758, 762, 762A, 765, 766, 766A, 767, 769, 775, 775A, 780, 800, 800A, 800B, 801A, 01B, 801C, 802, 802A, 804, 805, 806, 808, 808A, 808B, 818A, 827, 829, 850, 870, 872  
23380-OM300  
23379-OM300  
09A-911-023, 09A-911- 023X  
2912762340,8912762340, 8943647220, 8943647221, 8971239230  
23300-1E400, 23300- 1E400R, 23300- 65Y01, 23300-65Y01R, 23300-70Y00, 23300- 70Y01, 23300-70Y01R, 23300-81N00, 23300- 81N01, 23300-81N11, 23300-97E00, 23300-97E01, 23300-AM600, 23300-AM60A, 23300-CG000, 23300-CG00A

ARAÇ MODELİ / VEHICLE MODEL  
AUDI,  
VOLKSWAGEN  
ISUZU  
NISSAN, INFINITI

**JASX 56-3**

2120-1311,1312  
2120-4311,5312  
2120-7311



YENİ - NEW

2-JAS 56  
2-JAS 3

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

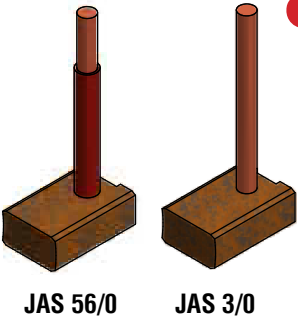
8x14,5x22

S12-23, 24A, 32, 34, 47  
9-8211-16510, 16520, 16460, 16470  
23379-37500, 37502, 37503, 65000  
23380-37500, 37502, 37503, 65000

ISUZU  
NISSAN  
YANMAR  
MARINE  
VOLVO PENTA  
THERMOKING

**JASX 56-3/0**

2120-7312  
2120-9311



YENİ - NEW

2-JAS 56/0  
2-JAS 3/0

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

8x14,5x22

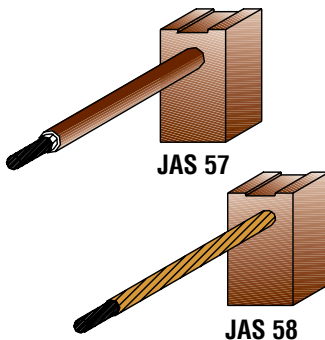
23379-G7000  
23380-G7000  
23300-31W02  
S12-19C, 41A, 59  
S12-63, 68

Replacing : 2120-9311, 2120-7312/9311, 2120-7312  
Servicing : S12-19C, S12-41A, S12-59, S12-63, S12-63A, S12-63B, S12-63C, S12-68, S12-68B, S12-68D, S12-77A, S12-78, S12-79, S12-82

NISSAN URVAN  
THERMOKING  
TOYOTA STARLET  
COROLLA  
CELICA

**JASX 57-58**

2114-4313  
2114 -8312



2-JAS 57  
2-JAS 58

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

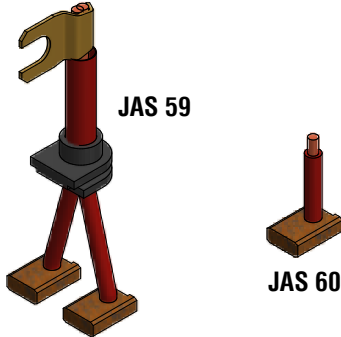
7x11x18

2330048301  
S10863  
S114132, 146, 160E, 172D, 172E, 182G, 184, 202, 202A, 210, 247, 247C, 316, 317A, 320, 345B, 348A, 377, 378A, 390A, 441, 441A, 441B, 460B, 461, 461A, 461B, 464B, 465B, 465C, 554

31246-568-005  
31217-568-005  
9-8211-1657-0/1658-0  
23379-16E01/21000  
23380-16E01/21000  
9402-1408/1409

DAIHATSU  
HONDA  
ISUZU  
NISSAN  
SUBARU

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**JASX 59-60**

 2114-73123  
2114-83123

**1-JAS 59  
2-JAS 60**

 23380-53J00,23379-53J00  
23387-KA000,23388-KA000  
Hitachi-Starter S114-556A,-558  
23300-53J00  
23300-KA270

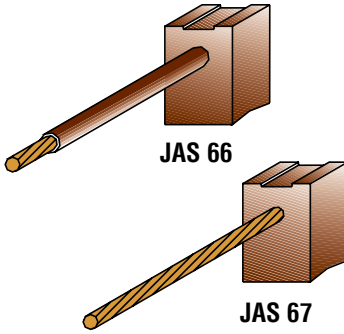
**NISSAN  
SUBARU**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**4,5x11x16**
**JASX 66-67**

 2114-3315/5312  
2114-6313/8313

**2-JAS 66  
2-JAS 67**

 S114118, 55, 60, A, D, 61, B, 62C, D, 63, F, 64, 70, E, 73, F, 80,  
G, 82, 94  
S114206, 18A, 29E, F, 30, 32, A, 35, A, 37, 44, 71, 95  
S114303, 15, 17, B, 18, A, 20A, 45, A, 53, 62, 70, 76B, 78, 85, 87,  
90, 91, A, 96  
S114413, A, 14A, 19, 25  
S114603, 04, 30, 51  
31215-634-0050/31216-634-0050  
31215-679-0050/31216-679-0050  
8-94208-294-0/8-94208-300-0  
5-81116-008-0/5-81116-009-0  
23379-80W00  
23379-M0100/-M0102  
23380-56A00  
23380-M0100/-M0101  
21070-53908/-54008  
24370-54008  
49206-1001/49207-1001  
49206-5501/49207-5501

**HONDA  
ISUZU  
NISSAN  
SUBARU**

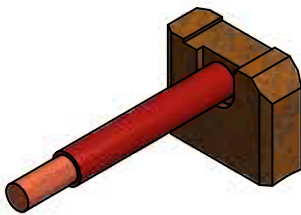
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x11x16**
**JASX 74**

2130-23112


**4-JAS 74**

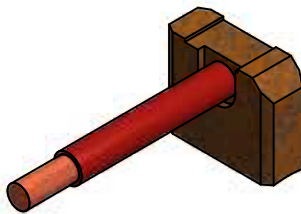
 2330010T02  
S13102, 02A, 04, 05, 06, 06A, 06B, 06C, 06E, 07, 07A,  
11, 12, 14, 14A, 27, 27A, 27C, 31, 37A,  
S13282  
S13302, 02A, 21, 29  
S1362B, 4, 6A, S1381,3, 9B, 1, 1A, 2A  
S1403  
S14203, 10, A  
S2407, 412  
S25163G, 25171  
S25501A, B  
8-94136-900-0  
23 380-10G00  
23 379-10G00

**BMC** LEVENT 2500-3000  
DIESEL  
**NISSAN  
ISUZU**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x19x15,8**
**JASX 74 H**

**4-JAS 74 H**

 HITACHI, S25-163A  
ISUZU 8970324640  
0324642  
0655260  
0958112

**ISUZU** ŞAMPİYON  
NPR, NKR  
NQR, NKR  
WIDE  
**ISUZU** OTOBÜS / BUS

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**7x19x15,8**

Takım Sipariş Kodu / Set Order Code

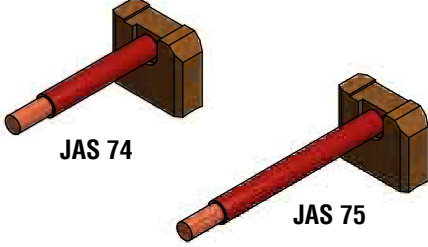
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 74-75**

2130-1311  
2130-7312  
2240-1311/1312



JAS 74

JAS 75

HI 4751

2330010T02  
S13102, 02A, 04, 05, 06, 06A, 06B, 06C, 06E, 07, 07A, 11, 12, 14,  
14A, 27, 27A, 27C, 31, 37A

2-JAS 74  
2-JAS 75

S13282  
S13302, 02A, 21, 29  
S1362B, 4, 6A, 81, 83, 89B, 91, 91A, 92A  
S1403

Gerilim / Voltage  
(Volt)

S14203, 10, 10A  
S2407, 12  
S25163G, 71, 501A, 501B  
23379-W2500/23380-W2500

12

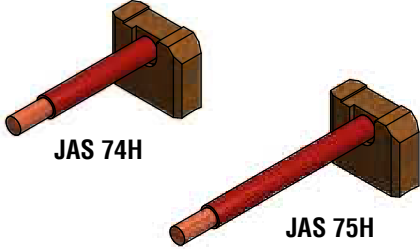
Ölçü / Dimension  
(mm)

2331-T9000/T9001  
5-81118-021-0  
8-94136-900-0, 8-94152-930-0/-970-0/-973-0  
8-94242-061-0/8-94242-065-0, 8-94478-862-0, 894152970/-973  
23379-54A00, 23380-10G00, 23380-54T00, 23380-W2500  
740 D, 760 D

7x19x15,8

DAIHATSU  
ISUZU  
MAZDA  
NISSAN  
VOLVO

**JASX 74-75 H**



JAS 74H

JAS 75H

HI 4752

HITACHI, S25-163A  
ISUZU 8970324640  
0324642  
0655260  
0958112

2-JAS 74 H  
2-JAS 75 H

Gerilim / Voltage  
(Volt)

24

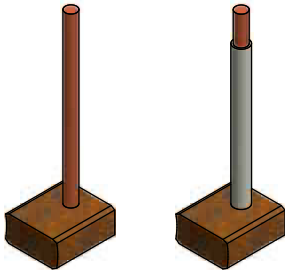
Ölçü / Dimension  
(mm)

7x19x15,8

ISUZU ŞAMPİYON  
NPR, NKR  
NQR, NKR  
WIDE  
ISUZU OTOBÜS / BUS

**JASX 80-81**

2114-59002  
2114-69002



JAS 80

JAS 81

HI 0811

S114253B, 54D, 57, 90, 90A, 90B, 96, 96A  
S114322, 22A, 38A, 44, 57, 57A, 57B, 57C, 67, 74B, 93  
S114403B, 29A, 40, 42A, 42B, 51A, 53, 58, 59, 71, 71A, 72,  
72A, 73, 75A, 76, 80, 80A, 81, 81A, 83, 85, 86

2-JAS 80  
2-JAS 81

8-94208-440-0  
8-94208-444-0  
8-94228-440-0  
8-94228-444-0  
23379-M4900  
23380-M4900  
5114-480

Gerilim / Voltage  
(Volt)

12

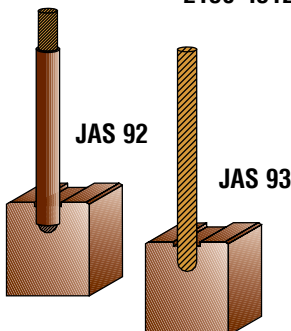
Ölçü / Dimension  
(mm)

7x14x16

NISSAN  
DATSUN  
ISUZU

**JASX 92-93**

2130-1312/2312  
2130-3311/4311  
2130-4312/7311



JAS 92

JAS 93

2-JAS 92  
2-JAS 93

5-81116-015-0  
5-81116-016-0  
5-81116-048-0  
5-81116-049-0  
8-94137-714-0  
8-94137-716-0  
9-8211-1551-0  
9-8211-4151-0  
9-8211-4152-0  
23379-J2000  
23380-J2000  
23379-61503  
23380-61501

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

9x19,5x22

ISUZU  
NISSAN

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

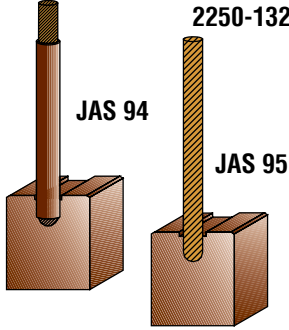
**JASX 94-95**

2250-2323

2120-2601

2130-1310

2250-1324/-4322

2-JAS 94  
2-JAS 95Gerilim / Voltage  
(Volt)

24

Ölçü / Dimension  
(mm)

9x19,5x19,5

S1224A, S1328, S1373, S25120, S25120A, S25121A,  
S25131, S25131A, S25155, S25155C, S25155D, S2564E

1-81116-017-0/-018-0

5-81116-017-0/-018-0

5-81119-001-0

5-81119-015-0

5-81119-016-0

9-82111-551-0

23379-61503

23380-61501

23331-Z9000

23331-Z9001

28142-1020A

28142-1010A

ISUZU MARINE  
NISSAN  
HINO KIRKAYAK

Takım Sipariş Kodu / Set Order Code

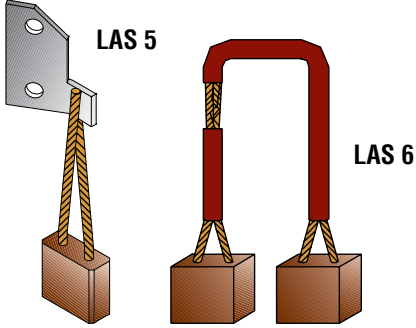
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**LASX 5-6**

251 108  
(TAB128)



2-LAS 5  
1-LAS 6

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

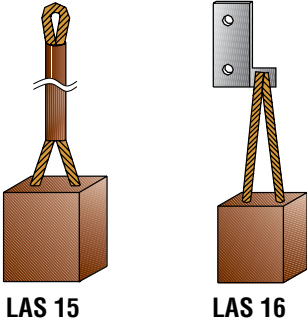
6,35x15,9x14,2

25022, 25038, 25038B, 25038E, 25038E/H, 25038H, 25059, 25059A/F, 25079, 25079A/J, 25079H, 25079J, 25083, 25083A/H, 25085, 25085A/B, 25088, 25088A/J, 25105, 25105A/B, 25105X, 25112, 25112A/B, 25112A/F, 25118, 25118A, 25118B, 25118C, 25118D, 25118E, 25118F, 25118G, 25118H, 25118I, 25118J, 25128, 25128A/B, 25129, 25129A, 25129B, 25130A/B, 25132, 25132A, 25138, 25138A/J, 25140, 25140A/E, 25142, 25142A/H, 25143, 25143A/E, 25144, 25144A/B, 25151, 25151A, 25152A, 25154, 25154A/F, 25155, 25155A/H, 25181, 25181A, 25202, 25202A, 25203, 25203A/D, 25203A/E, 25208, 25208A/E, 25519

COMMER  
ANADOL

**LASX 15-16**

271 735  
(TAB125)



LU 5161

2-LAS 15  
2-LAS 16

Gerilim / Voltage  
(Volt)

12

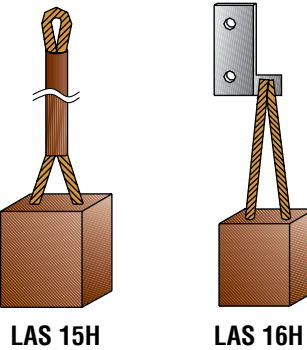
Ölçü / Dimension  
(mm)

7,9x19,05x22,2

M45G, M113  
26147, 48, 51, 53, 54, 63, 66, 78, 89, 92, 93, 96, 98  
26200, 1, 8, 15, 19, 20, 33, 36, 38, 48, 55, 56, 59, 64,  
66-71, 75, 78-81, 83, 85-88  
26300-2, 6, 10, 20, 21, 46-48, 64, 70-73, 75, 81,  
83, 85, 90, 91, 94, 96  
26400, 12, 13, 22  
27403, 5, 6, 9-14, 16-28, 31-33, 35, 36, 38-40, 43,  
46, 47, 49, 52, 57-59, 63, 65, 68-70  
TM 30

BMC  
ROVER OFF-ROAD  
DEFENDER 2.5 d  
LAND ROVER 2.25 d

**LASX 15-16 H**



LU 5362

2-LAS 15 H  
2-LAS 16 H

Gerilim / Voltage  
(Volt)

24

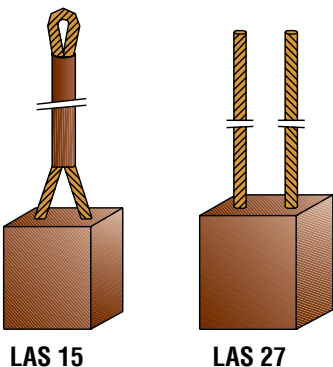
Ölçü / Dimension  
(mm)

7,9x19,05x22,2

LUCAS STARTER

**LASX 15-27**

271 735 (TAB 120)



2-LAS 15  
2-LAS 27

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

7,9x19,05x22,2

25585, 25586, 25586A, 26072, 26132, 26132A/F  
26132H, 26132H/R, 26132J/R, 26133, 26133A/J, 26133K/R  
26143, 26143A, 26143A/H, 26143B, 26143J/Q, 26145  
26145A/F, 26145H/N, 26146, 26146A/F, 26146H/N, 26147

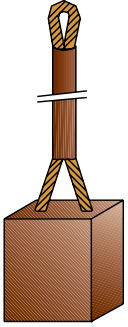
MASSEY FERGUSON  
FORD  
LEYLAND

Takım Sipariş Kodu / Set Order Code

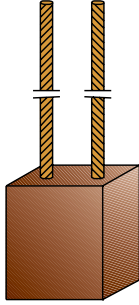
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**LASX 15-27 H**


LAS 15H



LAS 27H

 2-LAS 15 H  
2-LAS 27 H

 Gerilim / Voltage  
(Volt)

24

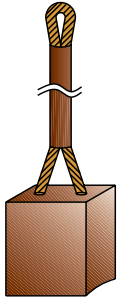
 Ölçü / Dimension  
(mm)

7,9x19,05x22,2

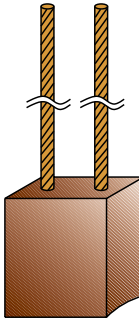
LUCAS STARTER

**LASX 30-31-32**

542 569 07 (TAB 106)



LAS 30-31



LAS 32

 1-LAS 30  
1-LAS 31  
2-LAS 32

 Gerilim / Voltage  
(Volt)

12

 Ölçü / Dimension  
(mm)

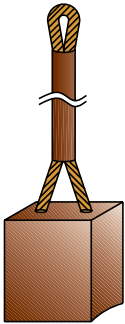
7,9x19,5x22,2

25585, 25586, 26209

**FORD** TRACTOR 2000  
2600, 3000, 3600

**LASX 31**

542 585 92 (TAB119)



4-LAS 31

 Gerilim / Voltage  
(Volt)

12

 Ölçü / Dimension  
(mm)

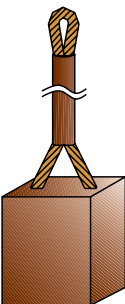
7,9x19,05x22,2

 M50  
26211, A, A/L, L, M/T, N, N/R, R/T, T, 1U, 26291A/D, E  
26304A, 26338, A, A/F, B, D, F, 26339, A, A/K, B, D, D/H,  
F, 26395, A, A/H, B, D, D/E, E, F, 27500, A, A/J, 27561B,  
27569

**FORD** TRACTOR 2000  
3000, 7600  
7610, 7700, 7710

**LASX 36**

542 595 17 (TAB118)



LU 0361

4-LAS 36

 Gerilim / Voltage  
(Volt)

12

 Ölçü / Dimension  
(mm)

9x20x26

 M50, M127  
26227, 34, 46, 65, 73, 74, 82, 84, 90, 94, 95, 97, 98  
26304, 5, 12, 16, 17, 23, 29, 36, 37, 41-45, 49, 51, 52, 55,  
57-61, 63, 65, 66, 69, 74, 76, 78, 79, 84, 86, 88, 89,  
93, 98  
26402-4, 7-11, 14, 16, 20, 21, 23, 27-31, 33-37  
27304  
27500-9, 11-16, 18-28, 31-34, 36-41, 43, 45-47,  
50-54, 56-59, 63-65

**FORD** 750-1210  
OTOSAN  
**BMC**  
100,135,140  
**LEYLAND**  
**CHRYSLER** 140, 1340  
GENOTO  
BEDFORD  
CARGO  
**HEMA**  
**M.FERGUSON**



Takım Sipariş Kodu / Set Order Code

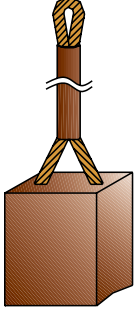
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**LASX 36 H**

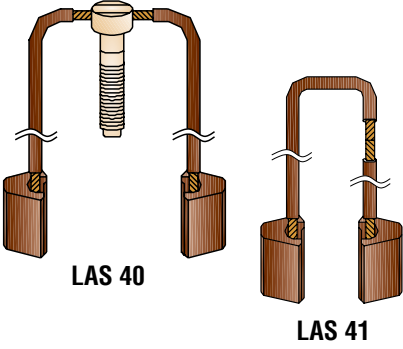
54 244 848

**4 LAS 36 H**Gerilim / Voltage  
(Volt)**24**Ölçü / Dimension  
(mm)**9x20x24,5**

LUCAS STARTER

**LASX 40-41**

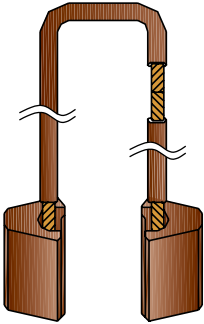
542 448 48 (TAB117)

**1-LAS 40  
1-LAS 41**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**9/3,5x11,6x15,9**M35J, K  
25137, 45-50, 56, 57, 59, 65-68, 78, 80, 82-87, 90, 91  
25204-7, 9, 10, 13-16, 19, 23, 34, 38, 39, 41, 42, 46, 49, 50,  
53, 55, 59, 62, 64-66, 68-74, 76-84, 87-92, 94, 98, 99  
25311, 27, 29, 30, 42, 43, 45-48, 68, 73  
25400  
60925019, 2

FORD TRANSIT

ANADOL  
BMC  
AUSTIN  
PEYKAN**LASX 41**

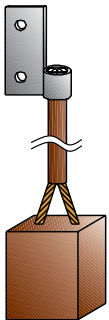
542 652 16

**2-LAS 41**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**9/3,5x11,6x15,9**M35J, K  
25137, 45-50, 56, 57, 59, 65-68, 78, 80, 82-87, 90, 91  
25204-7, 9, 10, 13-16, 19, 23, 34, 38, 39, 41, 42, 46, 49, 50,  
53, 55, 59, 62, 64-66, 68-74, 76-84, 87-92, 94,  
98, 99  
25311, 27, 29, 30, 42, 43, 45-48, 68, 73  
25400  
60925019, 2

FORD TRANSIT

ANADOL  
BMC  
AUSTIN**LASX 42**

542 449 79

**4-LAS 42**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**9x20x26**

M50, M127

MASSEY FERGUSON

Takım Sipariş Kodu / Set Order Code

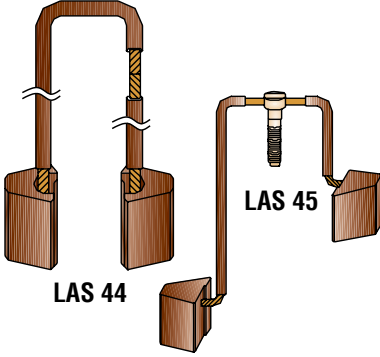
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**LASX 44-45**

60600196 (TAB 116)


 1-LAS 44  
1-LAS 45

 25631,59,68,70,77-83,94,97  
25700,1,45  
M 100

 LAND ROVER  
COMMER  
AUSTIN

 Gerilim / Voltage  
(Volt)

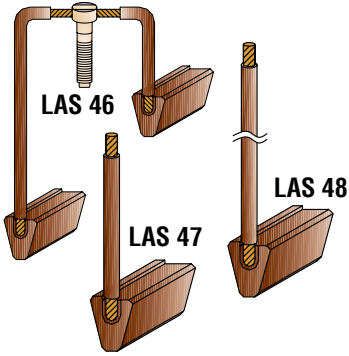
12

 Ölçü / Dimension  
(mm)

10,3/4,7x13,3x17,5

**LASX 46-47-48**

606 002 05 (TAB114)


 1-LAS 46  
1-LAS 47  
1-LAS 48

 25696  
M 100

LANDROVER

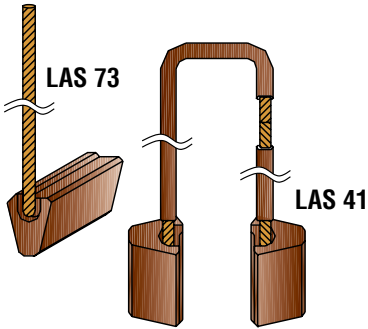
 Gerilim / Voltage  
(Volt)

12

 Ölçü / Dimension  
(mm)

10,3/4,7x13,3x17,5

**LASX 73-41**

 606 007 67 (TAB 103)  
993 730 3

 1-LAS 41  
2-LAS 73

 25326, 31-33, 35-40, 44, 49-51, 54-57, 59-62, 65, 66,  
69-72, 74-80, 82-85, 87-89, 97, 98  
25404, 5, 10, 11  
M 90

FIAT

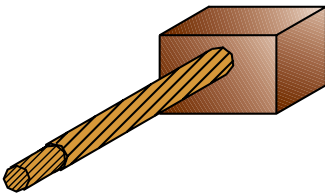
 Gerilim / Voltage  
(Volt)

12

 Ölçü / Dimension  
(mm)

9/3,5x11,6x15,9

**LASX 75**

 606 009 36  
606 009 46  
606 009 44


4-LAS 75

 26701, 26701A, 26701J, 26702E/K, 26707, 26707A  
26707A/L, 26713, 26713A, 26713A/D, 26713D, 26715  
26715B, 26716, 26716B

ROVER

 Gerilim / Voltage  
(Volt)

12

 Ölçü / Dimension  
(mm)

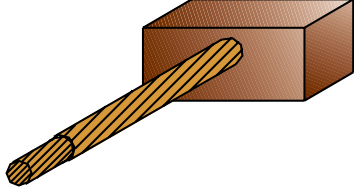
6,8x13,8x9,4

Takım Sipariş Kodu / Set Order Code

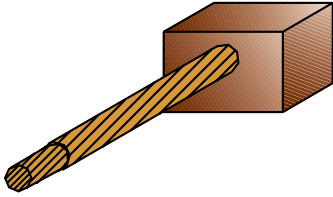
Özellikler  
Properties

Motor Numarası / Unit No.

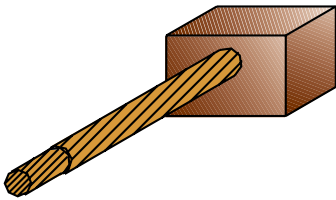
Araç Modeli/Vehicle Model

**LASX 76**606 009 20  
606 009 19**4-LAS 76**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6,8x19,8x9,4**26903, B/D, 26905, A/D, 26907, B  
26908, A/B, 26909, B/D, 26911, B/D  
26912, E, 26913, A, 26914, A/F  
26917, A, 26918, D, 26920, A/E  
26922, B, 26923, A/D, 26924, B  
26927, A, 26928, A, 26929, A/B  
26930, A, 26931, A/B, 26932, A  
26935, B, 26936, B**FORD****LASX 86-79-80**

606 009 53 (TAB 136)

**2-LAS 86/0  
1-LAS 79  
1-LAS 80**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**7x13,7x12**26604, 26604E/J, 26606, 26606E/H, 26607, 26607E/J  
26631, 26631A/D, 26633, 26633A/B, 26645E, 26646  
26646B/D, 26647, 26647A/E, 26659, 26659B/D, 26660  
26660B/D, 26662, 26662A, 26663, 26663A, 26667  
26667B, 26690, 26693, 26694, 26814D**VOLKSWAGEN****LASX 87-77-78**

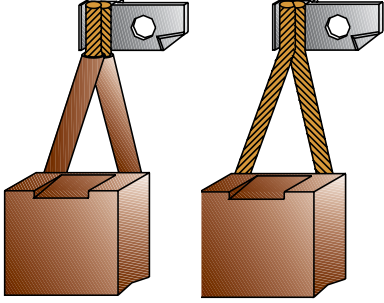
606 009 11 (TAB131)

**2-LAS 87/0  
1-LAS 77  
1-LAS 78**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**7x13,7x12**

26614, 26614B/D, 26619, 26619A/D, 26622, 26622A/D

**ROVER**

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**MASX 13-14**

 723 632 01,099 277 91  
 723 632 02,099 277 92

**MAS 13**
**MAS 14**
**2-MAS 13  
2-MAS 14**

 MT67A, AA, AB, AC, B, BA, C, CA, D, DA, DB, F, FA, FB, G, H, L  
 632 167 01-04, 06-08, 10, 25-27, 33, 38, 40, 47, 48, 63

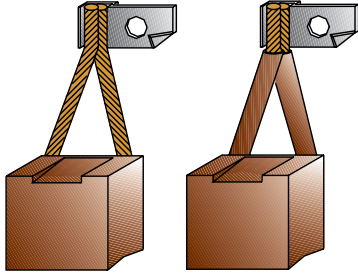
**FIAT** MARELLI

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**8x25x23**
**MASX 15-16**

 723 632 03, 04  
 992 908 0  
 992 844 8

**MAS 15**
**MAS 16**
**2-MAS 15  
2-MAS 16**

 MT68AA, AB, B, BA, H, LA, LB, M, MA, MB, P, PA, Q, QA, R  
 632 168 02, 8, 11, 14, 15, 16, 25, 26, 27, 33,  
 51, 59, 73, 74, 76, 98

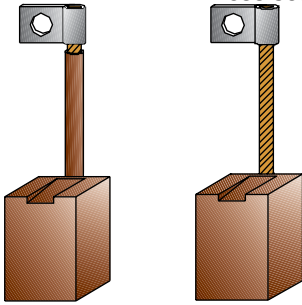
**RENAULT** COMMERCIAL

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**10x25x23**
**MASX 17-18**

 723 837 01, 02  
 099 565 56  
 099 565 52

**MAS 17**
**MAS 18**
**2-MAS 17  
2-MAS 18**

 MT71A, D, E, FA, H, L, LA, N, R, S, T, U, V, Z  
 632 171 01, 04-08, 10, 12, 16-21, 25, 38, 47, 73, 82  
 632 174 01-04

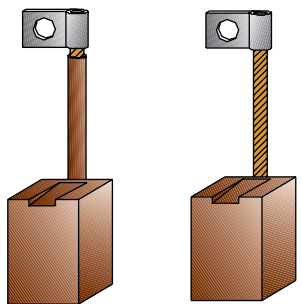
**FORD** TRANSIT  
DAILY

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**9x16x23**
**MASX 19-20**

 723 837 03/05  
 723 837 04/06

**MAS 19**
**MAS 20**
**2-MAS 19  
2-MAS 20**

 MT72AB  
 632 172 25

**FIAT** KAMYON/TRUCK

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**9x16x23**

Takım Sipariş Kodu / Set Order Code

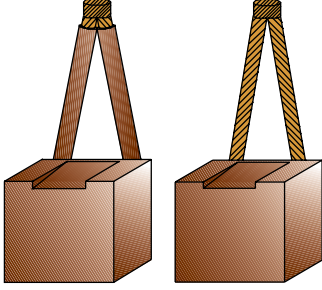
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

### MASX 21-22

721 650 01  
721 659 01



MAS 21

MAS 22

MA 1221

MT 67 AD, CB  
632 167 31, 41

2-MAS 21  
2-MAS 22

Gerilim / Voltage  
(Volt)

24

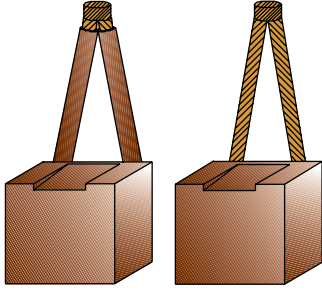
Ölçü / Dimension  
(mm)

8x25x23

IVECO EUROCARGO,  
FIAT ALLIS  
MK  
ZETA

### MASX 23-24

721 647 01  
721 658 01



MAS 23

MAS 24

MA 3241

MT 68 AD, LC, MC, PA, PB, RA, S, T  
632 168 17, 18, 31, 52, 61, 84, 96

2-MAS 23  
2-MAS 24

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

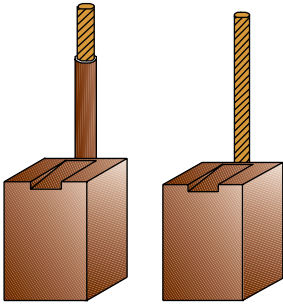
10x25x23

CHRYSLER DODGE  
DESOTO  
FARGO  
FIAT TRAKTÖR /  
TRACTOR  
FORD CARGO  
GENOTO  
BEDFORD

JOHN DEERE  
LOMBARDINI  
M. FERGUSON

### MASX 25-26

721 641 01  
721 660 01



MAS 25

MAS 26

MA 5261

MT 71 AB, DB, FB, GB, HB, RB, SB, LA, TA, UA, VA  
MT 74 AA, BA, DA  
632 171 26, 48, 54, 56, 58, 63, 80, 86, 88, 97  
632 174 07, 08, 10, 25, 33, 47

2-MAS 25  
2-MAS 26

Gerilim / Voltage  
(Volt)

12

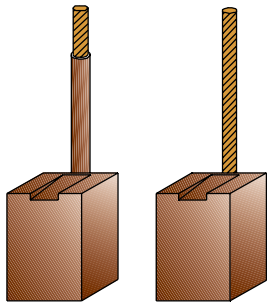
Ölçü / Dimension  
(mm)

9x16x23

BMC  
LEYLAND  
FIAT ALLIS  
TRAKTÖR/TRACTOR  
FORD TRANSIT  
GENOTO BEDFORD  
OTOKAR DEUTZ, TOE  
STEYA  
UZEL  
M. FERGUSON

### MASX 27-28

721 641 02  
721 657 01



MAS 27

MAS 28

MA 7281

MT 72 AB  
632 172 26

2-MAS 27  
2-MAS 28

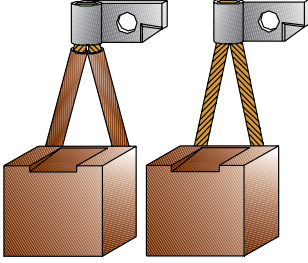
Gerilim / Voltage  
(Volt)

24

Ölçü / Dimension  
(mm)

9x16x23

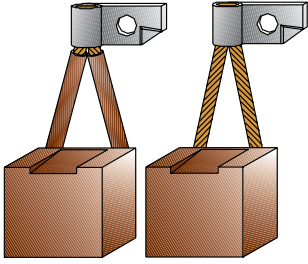
ISUZU  
FIAT  
OTOYOL  
IVECO

**Takım Sipariş Kodu / Set Order Code**
**MASX 29**
**72363203  
72363204**

**MAS 29 B**
**MAS 29 A**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**2-MAS 29A  
2-MAS 29B**

4702248, 4737755  
63216802, 08, 11, 14,15, 16, 25, 26, 27, 33  
51, 59, 73, 74, 76, 98  
MT68AA, AB, AC, AD, B, BA, H, LA, LB, LC, M, MA  
MB, P, PA, Q, QA, R, RA

**Gerilim / Voltage  
(Volt)**
**12**
**Ölçü / Dimension  
(mm)**
**10x25x23**

**ISUZU  
BMC  
LEYLAND  
CHRYSLER  
DODGE  
FARGO  
FIAT TRAKTÖR/TRACTOR  
FORD TRANSIT, CARGO  
JOHN DEERE  
OTOKAR  
IVECO  
M. FERGUSON**

**MASX29 H**

**MAS 29H B**
**MAS 29H A**
**2-MAS 29HA  
2-MAS 29HB**
**Gerilim / Voltage  
(Volt)**
**24**
**Ölçü / Dimension  
(mm)**
**10x25x23**

**ISUZU  
BMC  
LEYLAND  
CHRYSLER  
DODGE  
FARGO  
FIAT TRAKTÖR/ TRACTOR  
FORD TRANSIT, CARGO  
JOHN DEERE  
OTOKAR  
IVECO  
M. FERGUSON**



Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 16-17****YENİ - NEW**

JASX 16



JASX 17

1-JAS 16  
2-JAS 17MOT84881  
MOT85381  
36100-38090  
M60081  
M60082Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

4,5x12x15,5

HYUNDAI SANTA FE  
SONATA  
KIA OPTIMA  
SORENTO

Takım Sipariş Kodu / Set Order Code

 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 23**

M648D10471

**YENİ - NEW**

**4-JAS 23**

 0135 18 444A,445A  
MD602593,594  
SM302-02, 07, 08, 18  
31200-PC6-663, PD2-663, PEO-664, PE1-674, PH3-953

**MAZDA  
MITSUBISHI**

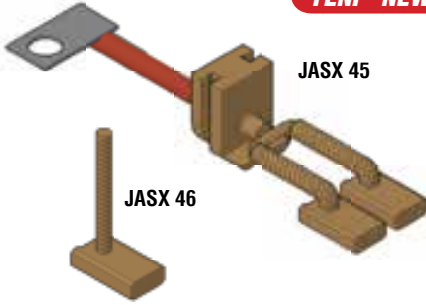
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6,0x14x16**
**JASX 45-46**

 M647C00171  
M648C16471

**YENİ - NEW**


JASX 45

JASX 46

**1-JAS 45  
2-JAS 46**

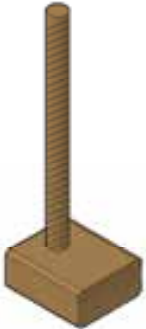
 MD607897  
MD607899

**MITSUBISHI**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**4,5x10x17,5**
**JASX 91**
**YENİ - NEW**

**4-JAS 91**

 M1T50172  
M001T50172,471  
Diesel Gear Starter  
205, 309 Diesel  
JMTSX101

**MITSUBISHI  
NISSAN  
PEUGEOT** 205  
305  
405  
BOXER  
**CITROEN** BX  
XM  
XANTIA  
BERLINGO  
**FIAT** SCUDO

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x14x16**

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

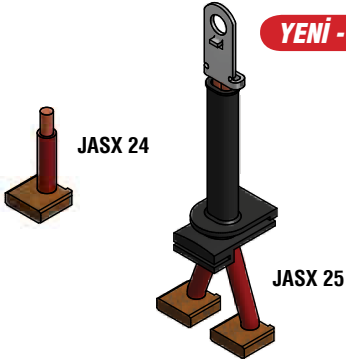
**JASX 21 (4)****YENİ - NEW****4-JAS 21**

D7RSA7  
D7RS7  
SM302  
31208-PC2-681  
31200-P03P005  
SM302-46

**HONDA** CIVIC  
CRX DEL SOL  
ACCURA  
**KOHLER**

Gerilim / Voltage  
(Volt)

**Servicing :** SM302-01, SM302-02, SM302-03, SM302-04,  
SM302-07, SM302-08, SM302-09, SM302-10, SM302-12,  
SM302-15, SM302-16, SM302-18, 267726

**12**Ölçü / Dimension  
(mm)**6x14x15****JASX 24-25****YENİ - NEW**

JASX 24

JASX 25

**2-JAS 24  
1-JAS 25**

186169,187, 387, 390  
D7RSA 4,8,11  
31200 P45C0  
SM402  
SM442-25  
SM402-03

**HONDA** ACCORD  
PRELUDE

Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**5x17x16,5**

Takım Sipariş Kodu / Set Order Code

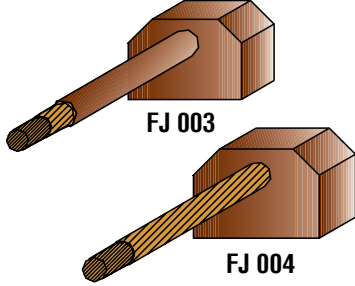
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**FJ 003-004**

ME 700541


**2-FJ 003  
2-FJ 004**

 23380-37500  
24370-54008

**MITSUBISHI**  
MIDIBUS / VAN  
OTOBÜS / BUS  
TRAKTÖR/TRACTOR

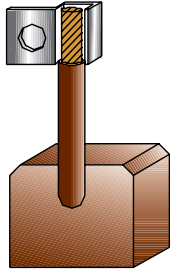
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x24x20**
**FJ 015**

UE 700541


**4-FJ 015**

 23380-37502  
49206-1001/49207-1001

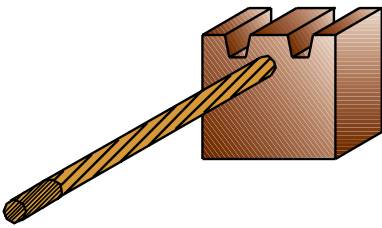
**MITSUBISHI** MARATON

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**8x24x20**
**JASX 29**

 M648 C101 71  
M648 C106 71

**4-JAS 29**

 0603-23-643  
E64457044M  
23380-10611  
23380-21010

**MAZDA** FAMILIA  
SUNNY

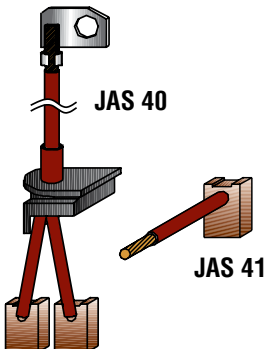
**DATSUN**  
**MITSUBISHI**  
**NISSAN**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6,8x16,5x14**
**JASX 40-41**

 M647 C00 271,272  
M648 C311 71

**MI 0411**

 M1T60381, 70281, 70481, 70781, A, 70881, A, 70981,  
70982A, 70985, 71281, A, B, 71481, 71481 A,  
71881, A, 72583, 72985A, 75581, 77381, 77581

**MAZDA**  
**MITSUBISHI**  
**NISSAN**  
**HYUNDAI** ACCENT

**1-JAS 40  
2-JAS 41**

 23380-421-70  
233379-AA 000

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

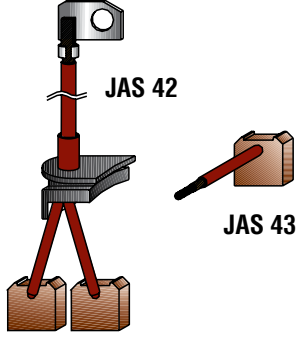
**4,5x12x17,5**

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 42-43**M647 C003 71  
M648 C329 71

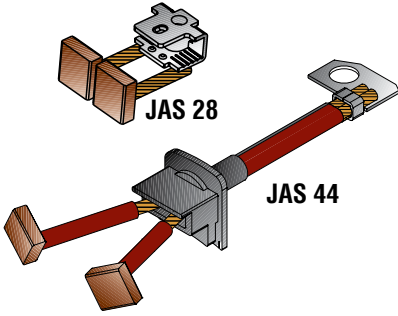
MI 2431

1-JAS 42  
2-JAS 43Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

4,5x18x17,5

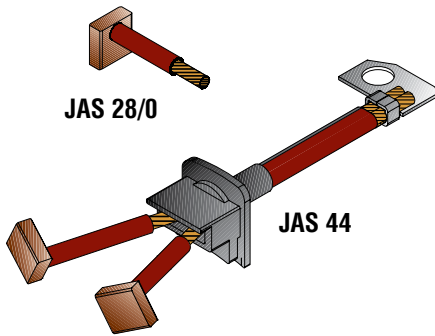
M1T 70381, 70485, 71781, 74081, 74181, 74281, 74381,  
74481, 75781, 90281  
N327-18-X66  
MD 611 918MAZDA  
MITSUBISHI**JASX 44-28**M647 X034 71,04571  
M647 X055 71,058711-JAS 44  
1-JAS 28Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

4,5x12x12,5

M1T60285

NISSAN  
FORD DIESEL**JASX 44-28/0**M647 X034 71, 04571  
M647 X055 71, 05871

MI 4281

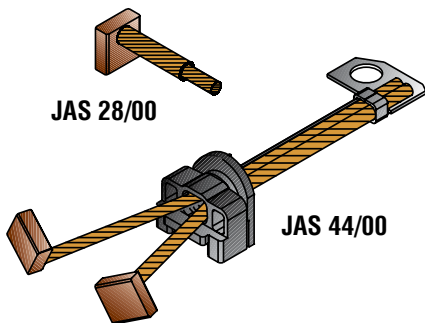
1-JAS 44  
2-JAS 28/0Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

4,5x12x12,5

M1T60285

RENAULT  
KANGOO 1,5  
DIESEL**JASX 44-28/00**

MI 4282

1-JAS 44  
2-JAS 28/00Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

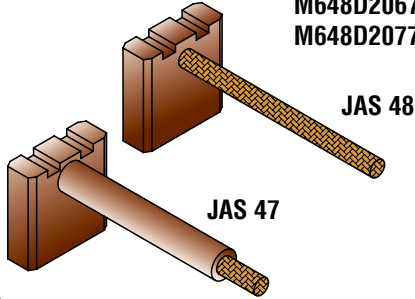
4,5x12x12,5

MOT20871, M321X45071

CITROEN  
FIAT  
PEUGEOT

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**JASX 47-48**

M648C20371  
M648C22371  
M648C24471  
M648C24472  
M648D20671  
M648D20771



2-JAS 47  
2-JAS 48

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

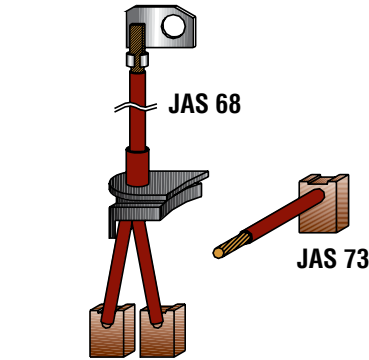
6,5 x 19 x 19,3

0839-24-723  
MM502019  
MM502135  
23379-37504  
23379-99008  
23379-J2000  
23380-37504  
23380-37505  
23380-J2000  
29042-L7000  
29142-L5000  
29142-L7005  
29242-L4005

MAZDA  
MITSUBISHI  
NISSAN

**JASX 68-73**

M647 C008 71



1-JAS 68  
2-JAS 73

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

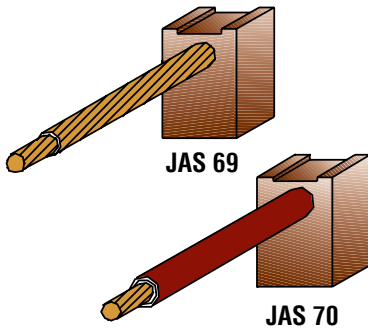
4,5x12x16,5

M1T70483, 72581, 72583,  
73281, 73283, 73383,  
77681  
MD 611 731

MITSUBISHI COLT  
MAZDA 323  
NISSAN ALMERA

**JASX 69-70**

M648 C121 70  
M648 C137 70



2-JAS 69  
2-JAS 70

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

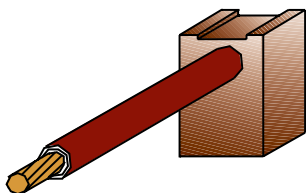
6,8x11,8x17,2

M2T 20181, D, 30385, 30481, 32281, 32782D, 37081, 41181,  
41182, 42381, 42481, 42781, 42881, 42981, 43081, 44081,  
48081, 49281, 49282  
M3T 21281D, 21381, 21882D, 22681, 27686D, H, N, 30081,  
30082, 30088, 30281, 30282, 30285, 30286, 30381,  
30382, 30581, 30583, 30782, 30881, 32081, 32082, 32381,  
32382, 32581-5, 32591, 32592, 32593, 32681, 32782, D,  
32985, 32986, 32988, 33081, 33481, 33585, 33586, A, D,  
33587, 33981, H, 34081, 34082, 36081, 38881B, 38882, A,  
B, C, 38885, 38981, 39385, 39781, 41081, 41083, 41481,  
41881, 42681, 48181, 49381, 49585, 49781  
JMTSX 100  
0222-24-750/0222-24-753  
0426-24-753/N202-24-750  
MD602468/MD607420  
23378-N5911  
23380-U0110/B5010/E3010  
JMTSX 100  
31132-72030/31

MITSUBISHI  
CITROEN  
MAZDA  
NISSAN  
PEUGEOT  
SUZUKI

**JASX 70**

M648 C137 70  
M648 C103 71B



MI 1701

4-JAS 70

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

6,8x11,8x17,2

M2T23685, 25481, 25681, 50281, 50381, 51082, 51083,  
51181, 52881, 53083, 53085, 53881, 53882, 54085  
M3T10172, 10271, 10272, 10372  
10473, 10475, 10476, 10672, 15772, 19571, 19871,  
19971, 20081, 20381, 20681, 20781, 21281, 21282,  
21881, 21882, 22081, 22381, 22581, 22582, 22781,  
24481, 24485, 24486, 24488, 25781, 25782, 25783,  
25882, 25883, 25891, 26081, 26685, 27581, 27686,  
27781, 29681, 32781, 32781ZC  
0222-24-753/N202-24-750  
MD 602069/MD 607 949/MM 502 344  
23380-E3010  
23378-N5911/N5910

PERKINS  
MITSUBISHI L100-L300  
MAZDA RX3, RX7  
PEYKAN  
NISSAN

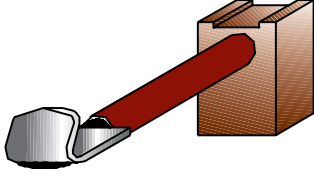


Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

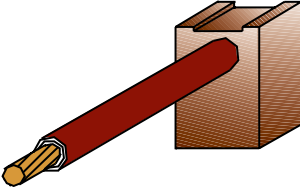
Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 70/K**M648 C137 70  
M648 C103 71B**4-JAS 70/K**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6,8x11,8x17,2**

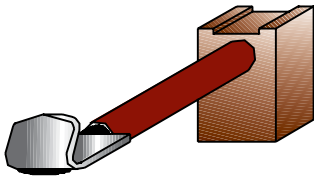
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51181, 52881, 53083, 53085, 53881, 53882, 54085  
M3T10172, 10271, 10272, 10372  
10473, 10475, 10476, 10672, 15772, 19571, 19871,  
19971, 20081, 20381, 20681, 20781, 21281, 21282,  
21881, 21882, 22081, 22381, 22581, 22582, 22781,  
24481, 24485, 24486, 24488, 25781, 25782, 25783,  
25882, 25883, 25891, 26081, 26685, 27581, 27686,  
27781, 29681, 32781, 32781ZC  
0222-24-753/N202-24-750  
MD 602069/MD 607 949/MM 502 344  
23380-E3010  
23378-N5911/N5910

**PERKINS**  
**MITSUBISHI** L100-L300  
**MAZDA** RX3, RX7  
**PEYKAN**  
**NISSAN**

**JASX 70 H**M648 C137 70  
M648 C103 71B**MI 1702****4-JAS 70 H**Gerilim / Voltage  
(Volt)**24**Ölçü / Dimension  
(mm)**6,8x11,8x17,2**

M2T23685, 25481, 25681, 50281, 50381, 51082, 51083  
51181, 52881, 53083, 53085, 53881, 53882, 54085  
M3T10172, 10271, 10272, 10372, 10473, 10475, 10476  
10672, 15772, 19571, 19871, 19971, 20081, 20381  
20681, 20781, 21281, 21282, 21881, 21882, 22081  
22381, 22581, 22582, 22781, 24481, 24485, 24486  
24488, 25781, 25782, 25783, 25882, 25883, 25891  
26081, 26685, 27581, 27686, 27781, 29681, 32781  
32781ZC

**MAZDA**  
**MITSUBISHI**  
CANTER 659 Y.M.

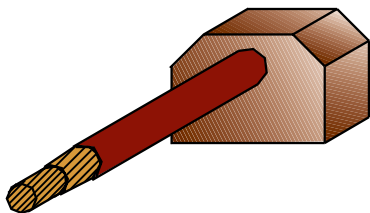
**JASX 70 H/K**M648 C137 70  
M648 C103 71B**4-JAS 70 H/K**Gerilim / Voltage  
(Volt)**24**Ölçü / Dimension  
(mm)**6,8x11,8x17,2**

M2T23685, 25481, 25681, 50281, 50381, 51082, 51083  
51181, 52881, 53083, 53085, 53881, 53882, 54085  
M3T10172, 10271, 10272, 10372, 10473, 10475, 10476  
10672, 15772, 19571, 19871, 19971, 20081, 20381  
20681, 20781, 21281, 21282, 21881, 21882, 22081  
22381, 22581, 22582, 22781, 24481, 24485, 24486  
24488, 25781, 25782, 25783, 25882, 25883, 25891  
26081, 26685, 27581, 27686, 27781, 29681, 32781  
32781ZC

**MAZDA**  
**MITSUBISHI**  
CANTER 659 Y.M.

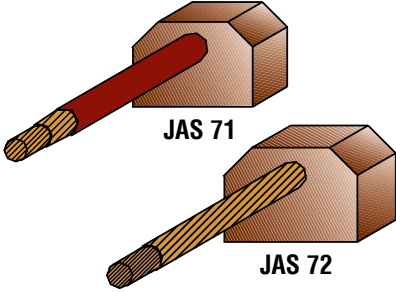
**JASX 71**

M648 C256 71

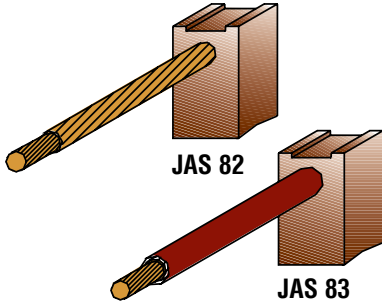
**4-JAS 71**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x24x17**

M2T60071, 0072, 0073, 0171, 0172, 1171  
M3T66071, 66072, 66073, 66074, 67171, 67172  
90071, 90072  
SE01-24-750  
R201-18-X66  
MD 611024/ME 700858

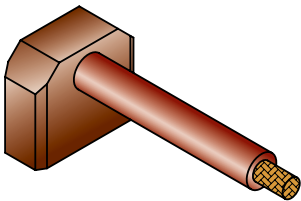
**MAZDA**  
**MITSUBISHI** PAJERO  
**GALANT**

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**JASX 71-72**
**M648 C256 71  
M648 C256 72**

**MI 1711**
**2-JAS 71  
2-JAS 72**
**Gerilim / Voltage  
(Volt)**
**12**
**Ölçü / Dimension  
(mm)**
**8x24x17**

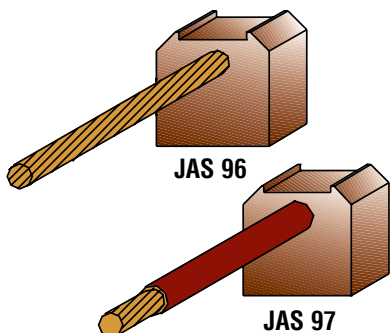
M2T60071, 0072, 0073, 0171, 0172, 1171  
M3T66071, 66072, 66073, 66074, 67171, 67172  
90071, 90072  
R201-18-X66  
R201-24-750  
S203-24-750  
SE01-24-750  
ME700047/ME700290  
ME700939

**MAZDA  
MITSUBISHI**
**JASX 82-83**
**M648 C149 70, 71  
M648 C148 71  
150 70**

**MI 2831  
MI 2832**
**2-JAS 82  
2-JAS 83**
**Gerilim / Voltage  
(Volt)**
**12**
**Ölçü / Dimension  
(mm)**
**7x10x17**

M2T 20181, D, 30385, 30481, 32281, 32782D, 37081, 41181,  
41182, 42381, 42481, 42781, 42881, 42981, 43081, 44081,  
48081, 49281, 49282  
M3T 21281D, 21381, 21882D, 22681, 27686D, H, N, 30081,  
30082, 30088, 30281, 30282, 30285, 30286, 30381,  
30382, 30581, 30583, 30782, 30881, 32081, 32082, 32381,  
32382, 32581-5, 32591, 32592, 32593, 32681, 32782, D,  
32985, 32986, 32988, 33081, 33481, 33585, 33586, A, D,  
33587, 33981, H, 34081, 34082, 36081, 38881B, 38882, A,  
B, C, 38885, 38981, 39385, 39781, 41081, 41083, 41481,  
41881, 42681, 48181, 49381, 49585, 49781  
B630-18-X66  
B660-18-X66  
E301-24-750, -753  
E501-24-753  
MD607554/-556  
23379-M8310  
23380-M8311  
31131-80090, 31132-80090

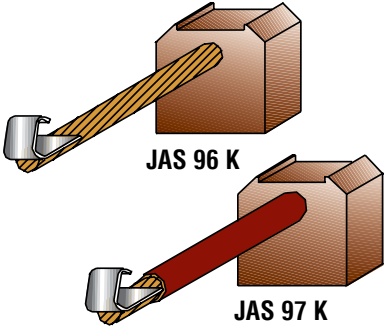
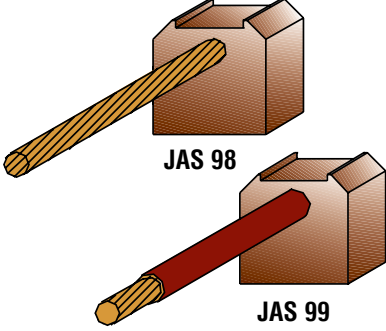
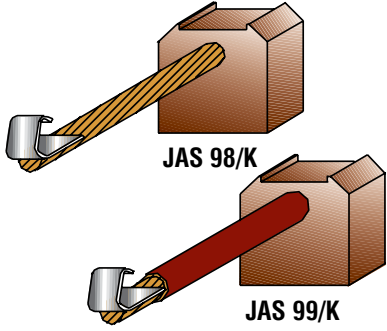
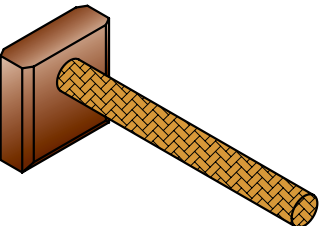
**MAZDA  
NISSAN  
SUZUKI  
SUBARU**
**JASX 90**

**4-JAS 90**
**Gerilim / Voltage  
(Volt)**
**12**
**Ölçü / Dimension  
(mm)**
**8x20x17**

1456-24-723  
1456-24-750  
MD607461  
23378-W2810

**MAZDA  
MITSUBISHI  
NISSAN**
**JASX 96-97**
**M648 C263 71**

**MI 6971**
**2-JAS 96  
2-JAS 97**
**Gerilim / Voltage  
(Volt)**
**24**
**Ölçü / Dimension  
(mm)**
**6,8x18x18**

M2T54272, 54471, 54572, 54771, 56171, 56181, 56182,  
56185, 56272, 56471, 56871, 57271, 57371,  
57771, 61071, 61072, 62271, 62971, 64271,  
65272, 66871, 66873, 67871, 67873, 67881,  
67883, 74171, 74371, 92071, 92071A, 92171,  
92172, 92172A  
ME700140/ME701169  
23330-T9000

**MITSUBISHI CANTER 429**

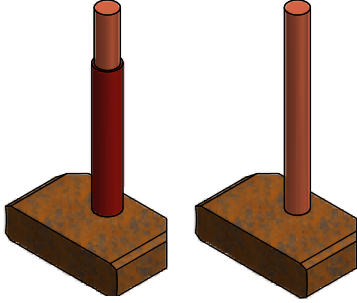
Takım Sipariş Kodu / Set Order Code	Özellikler / Properties	Motor Numarası / Unit No.	Araç Modeli / Vehicle Model
<b>JASX 96-97/K</b> M648 C263 71 	<b>2-JAS 96 K</b> <b>2-JAS 97 K</b> Gerilim / Voltage (Volt) <b>24</b> Ölçü / Dimension (mm) <b>6,8x18x18</b>	M2T54272, 54471, 54572, 54771, 56171, 56181, 56182, 56185, 56272, 56471, 56871, 57271, 57371, 57771, 61071, 61072, 62271, 62971, 64271, 65272, 66871, 66873, 67871, 67873, 67881, 67883, 74171, 74371, 92071, 92071A, 92171, 92172, 92172A ME700140/ME701169 23330-T9000	<b>MITSUBISHI</b> CANTER 429
<b>JASX 98-99</b> M648 C153 72 M648 C154 72 	<b>MI 8991</b> <b>2-JAS 98</b> <b>2-JAS 99</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>6,8x18x18</b>	S13106E, S13112, S13127C, S13131, S13137A, S1389B, S1403 8599-24-750 MD 618 460 ME700127/ME701118 23378-W3410	<b>MAZDA</b> <b>MITSUBISHI</b> <b>NISSAN</b>
<b>JASX 98-99/K</b> M648 C153 72 M648 C154 72 	<b>2-JAS 98/K</b> <b>2-JAS 99/K</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>6,8x18x18</b>	S13106E, S13112, S13127C, S13131, S13137A, S1389B, S1403 8599-24-750 MD 618 460 ME700127/ME701118 23378-W3410	<b>MITSUBISHI</b> CANTER L300 <b>MAZDA</b> <b>NISSAN</b>
<b>JASX 100</b> M648C35871 	<b>4-JAS 100</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>4,3x12x12.3</b>	MOT20871	<b>CITROEN</b> BERLINGO C4,C5 EVASION JUMPER XANTIA <b>FIAT</b> SCUDO ULYSSE <b>PEUGEOT</b> BOXER EXPERT

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 103-104**

JAS 103

JAS 104

**2-JAS 103  
2-JAS 104**Gerilim / Voltage  
(Volt)**24**Ölçü / Dimension  
(mm)**8X30X18,2**M009T60671  
M9T60371,60671,60672,60471, 61171

RENAULT

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

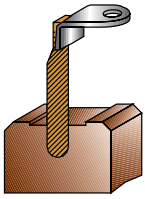
Araç Modeli/Vehicle Model

**JASX 1**028530-0932  
1020  
1030**YENİ - NEW****2-JAS 1**028000-8411,9133,9872,9882  
128000-1431,4461,4590**Replacing :** M648C12370, M648C12170  
**Servicing :** M002T10171, M002T20181A,  
M002T20281, M002T10171, M002T20181A,  
M003T10476, M003T10672, M003T11174,  
M003T11272, M003T12572Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6x9x12,5****YAMAHA** MOTORCYCLE  
**KAWASAKI** MOTORCYCLE  
**HONDA** MOTORCYCLE  
**SUZUKI** MOTORCYCLE**JASX 2**

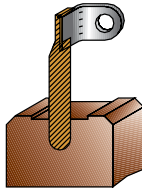
1 004 320 251

**YENİ - NEW****2-JAS 2**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**5x10x12,5**

MOTORCYCLE

**JASX 10-11**028520-1090  
028530-1100

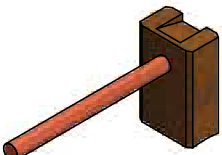
JAS 10



JAS 11

**ND 0111**128000 049,245,247,256,274,422,  
468,491,537,551,562,572,573  
228000-331,332,573,585,700**2-JAS 10**  
**2-JAS 11**1-8116-048-0  
1-8116-049-0Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**10x30x20****ISUZU**  
**CATERPILLAR**  
**CUMMINS**  
**DODGE**  
TRAKTÖR / TRACTOR  
**GMC** TRAKTÖR / TRACTOR**JASX 14**

28531-0110



JAS 14A



JAS 14B

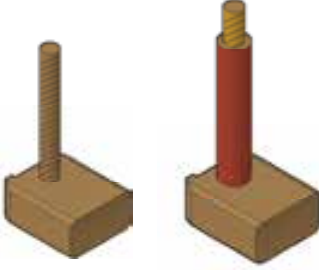
**2-JAS 14A**  
**2-JAS 14B**28142-21010  
9-8211-1649-0  
0180-23-756  
K437 450-0  
MD604067  
89207-8602/49206/7202  
31131-75011  
28142-21010Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**7x12x16****DAIHATSU**  
**ISUZU**  
**MAZDA**  
**MITSUBISHI**  
**SUBARU**  
**SUZUKI**  
**TOYOTA**

Takım Sipariş Kodu / Set Order Code

 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 18-19**
**YENİ - NEW**


JASX 18

JASX 19

**2-JAS 18**  
**2-JAS 19**

 Gerilim / Voltage  
(Volt)

**12**

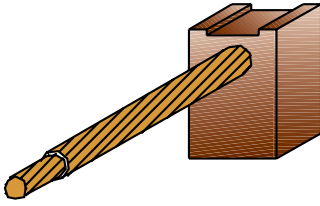
 Ölçü / Dimension  
(mm)

**7x13x15,5**

OSGR- Starter 1.2 kw

 825222, 825700, 0R9705, 160-4648, 28100-87806, 28100-  
B8010, 31208-PM3-J01, 31208-PM3-J010M, 8-97048-966-  
1, 8943772580, 8970489660, 8970489662, AM876435,  
AM878415, TY25233, 21163-0030, 21163-0030, 21163-1299,  
21163-1299, 23378-AA060, 28100-0D010, 28100-22050,  
28100-46150, 28100-46180, 28100-46190, 28100-76060,  
28100-76081, 28140-74120, 28140-76060, 119626-77020,  
129129-77010

**Servicing** : 128000-7010, 128000-7120, 128000-7121,  
128000-7122, 12800-7130, 128000-7390, 128000,7710,  
128000-7711, 128000-7712

**BRIGGS & STRATTON**  
**ENGINES**  
**CATERPILLAR**  
**DAIHATSU MOTOR CO HONDA**  
**ACURA**  
**ISUZU**  
**JOHN DEERE**  
**KAWASAKI**  
**SUBARU**  
**TOYOTA**  
**YANMAR**
**JASX 22**

**4-JAS 22**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x12x19**

 028000 4490, 4651, 4790, 4840, 5070, 5071, 5350, 5720  
6070, 6330, 6510, 6511, 6790, 7270, 7311, 9690  
28142-10011  
0208-23-756  
MD 604 240  
4102, 6102/49243-7312  
89206-8702,8602  
31131-55010,55011, 75111  
28142-10011

**TOYOTA**  
**ISUZU**  
**MAZDA**  
**MITSUBISHI**  
**SUZUKI**  
**SUBARU**  
**DAIHATSU**
**JASX 35**

28530-0480

**YENİ - NEW**

**4-JAS 35**

 Gerilim / Voltage  
(Volt)

**12**

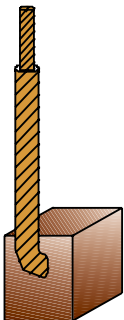
 Ölçü / Dimension  
(mm)

**9x30x26**

 R50927  
MD604256, MF022002  
28142-47021, 76010, 77040  
028000-3291, 3650, 3930, 4870, 4930,  
128000-0260, 0480  
**Replacing** : 385300-480, 028530-0487, 028530-0481,  
028520-0480  
**Servicing** : 028000-3290, 028000-3291, 028000-3292,  
028000-3650, 028000-3930, 028000-3970, 028000-4870,  
028000-4930, 028000-5040, 4N0241, 4N241, 9X0354,  
28100-1670, 28100-1670A, 28100-1671A, 28100-1672A,  
5811000710, AR41627, AR55639, AR70611, AR77254,  
RE13722, RE23900, RE41875, RE41880, RE41890,  
SE501414, TY25960, TY25962, TY6617, TY6713, TY6725,  
50-831001671, 50-831001672, 191-1117

**J. DEERE**  
**MITSUBISHI**  
**TOYOTA**  
**CATERPILLAR**  
**HINO**  
**ISUZU**  
**JOHN DEERE**  
**MERCURY MARINE**  
**ONAN**
**JASX 39**

028099-5450


**4-JAS 39**

 Gerilim / Voltage  
(Volt)

**12**

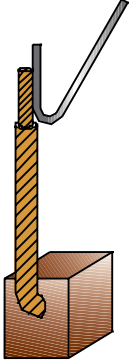
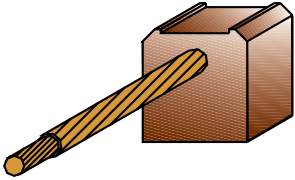
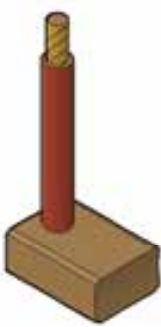
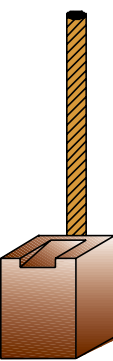
 Ölçü / Dimension  
(mm)

**6,5x8x10**

 128000 2520, 2631, 2800, 2820, 2980, 3090, 3530, 4060  
4230  
28142-87504-000  
31211-PH9-004  
8-94455-168-0  
8-94455-167-0  
MD 604 643  
209705-5108  
31131-51A10  
28142-10029

**DAIHATSU**  
**HONDA**  
**ISUZU**  
**MITSUBISHI**  
**SUBARU**  
**SUZUKI**  
**TOYOTA**



Takım Sipariş Kodu / Set Order Code	Özellikler Properties	Motor Numarası / Unit No.	Araç Modeli/Vehicle Model
<b>JASX 39 C</b> 028531-5050 	<b>4-JAS 39</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>6,5x8x10</b>	128000 2520, 2631, 2800, 2820, 2980, 3090, 3530, 4060 4230	<b>MAZDA</b> <b>SUZUKI</b> FRONTE, ALTO CARRY <b>PEUGEOT</b> 106 <b>RENAULT</b> 19 <b>CITROEN</b>
<b>JASX 52</b> 028099-6180 	<b>ND 0521</b> <b>4-JAS 52</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>6.5x13x14</b>	1280005210, 5211, 5680, 5682, 6210, 6420, 6720, 6721 7122, 7400, 7713, 8530, 8784, 8890, 9190, 9380 4280001590 28142-87204-000 8-94377-262-0 8-94367-795-0 028099-6180 31131-51A10 28142-70020	<b>TOYOTA</b> <b>DAIHATSU</b> <b>ISUZU</b> <b>MAZDA</b> <b>SUZUKI</b>
<b>JASX 53</b> 028510-0760 <b>YENİ - NEW</b> 	<b>2-JAS 53</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>7,5x13x18</b>	28140-87703-000 31231-679-014 5-81119-004-0 8-94135-730-0 49243-6002 31131-79010 31173-79010 028000-8460, 9181, 9182, 9202, 9203, 9210, 9221	<b>DAIHATSU</b> <b>HONDA</b> <b>ISUZU</b> <b>SUBARU</b> <b>SUZUKI</b>
<b>JASX 63</b> 28531-0380 28531-0480 28531-0490 	<b>4-JAS 63</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>7x12x16</b>	0280004042, 4500, 4700, 0900 28142-25011/87502 31211-657-006/31231-679-004 28142-25011	<b>TOYOTA</b> <b>HONDA</b> <b>DAIHATSU</b>

Takım Sipariş Kodu / Set Order Code

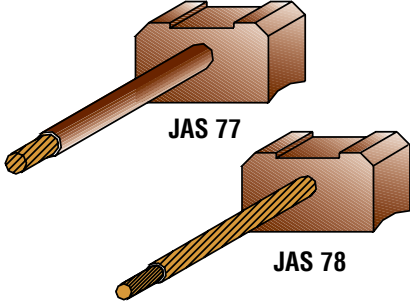
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 77-78**

028099-3550


**ND 7781**

 0280007000, 7001, 7370, 7373, 7740, 7790, 7791, 8130  
8760, 8762, 9830, 0040

**2-JAS 77  
2-JAS 78**

 1280000570, 0832, 0960, 1040, 3101, 3250, 3260, 3420  
5350, 5760, 7382, 9560, 9592

 Gerilim / Voltage  
(Volt)

 2280000200, 391  
28140-54070-000  
28140-64040-000  
28140-87706-000

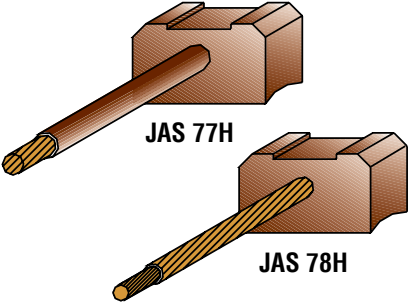
**12**

 Ölçü / Dimension  
(mm)

 5-81116-040-0  
5-81118-021-0  
8-94167-430-0  
028510-0640  
RE01-24-750  
28140-54070  
28140-64040

**8x25x15**
**TOYOTA** CROWN DIESEL  
**ISUZU**  
**KOMATSU**  
**MAZDA**  
**DAIHATSU**
**JASX 77-78 H**

028510-0640


**2-JAS 77 H  
2-JAS 78 H**

 0280007000, 7001, 7370, 7373, 7740, 7790, 7791, 8130  
8760, 8762, 9830

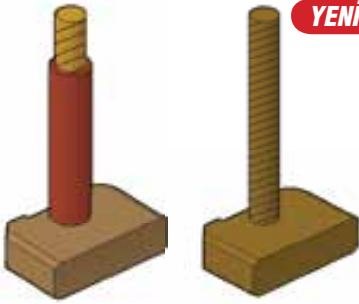
 Gerilim / Voltage  
(Volt)

 1280000040, 0570, 0832, 0960, 1040, 3101, 3250, 3260  
3420, 5350, 5760, 7382, 9560, 9592  
2280000200, 2280000391

**24**

 Ölçü / Dimension  
(mm)

**8x25x15**
**MAZDA** MİNİBUS / VAN  
KAMYONET / PICKUP  
**ISUZU** NCR  
**DAIHATSU**  
**KOMATSU**
**JASX 79**

 0-23740-0200  
0210

**YENİ - NEW**
**JASX 79A**
**JASX 79B**
**2-JAS 79A  
2-JAS 79B**

228000-304326,304408

 1.8/2.0 kW  
8-94178-053-0, 054-0  
8-94437-920-0, 921-0

 Gerilim / Voltage  
(Volt)

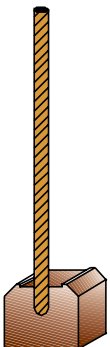
 25-39192-00, 25-39291-00, 25-39316-00, 126895A1,  
4763794, 31200-P5G-003, 31200-P5G-0032,  
31200-P5G-003RM, 1383240, 8504304, 18508-6530, 15425-  
63014, 15425-63015, 15425-63016, 19460-63011,  
19460-63012, 19460-63013, 1G911-63012,  
1G911-630121, 28100-50060,

**12**

 Ölçü / Dimension  
(mm)

 28100-50060-84, 28100-50061, 28100-50062, 28100-50070,  
28100-50100, 28100-50100-84, 28100-50101, 28100-50101-  
84, 28100-5010184, 28100-66060, 18508-6530, 3502221,  
28100-31050, 28100-31050-84, 28100-50070, 28100-50070-  
84, 28100-50100, 28100-50100-84, 28100-50101, 28100-  
50101-84, 28100-62030, 28100-62030-84, 28100-66050,  
28100-66060, 28100-75110, 28100-75140, 28100-75140-84

**7x16x16**
**ISUZU**  
**CARRIER** TRANSICOLD  
**CASE**  
**CHRYSLER**  
**HONDA**  
**ACURA**  
**HYSTER**  
**ISHIKAWAJIMA**  
**KUBOTA**  
**LEXUS**  
**NEW HOLLAND** SBA  
**THERMO KING**  
**TOYOTA**
**JASX 84**

 028510-0441  
028531-0450

**ND 0841**

 0280004000, 4020, 4200, 4243, 4340, 4510, 4730, 4940, 4990  
28140-34030

**4-JAS 84**

 28140-87701-000  
28140-87704-000  
28140-87710-000  
31208-657-0040  
31208-657-300

 Gerilim / Voltage  
(Volt)

 31208-PH7-661  
31208-PR4-0030  
02851-00441,-00590  
21170-53608  
23378-AA040,-AA050

**12**

 Ölçü / Dimension  
(mm)

 49243-7212,-7302,-7502  
28140-34030,-64130,-65020  
28140-74010,-74020,-74070,-76070  
28142-34030

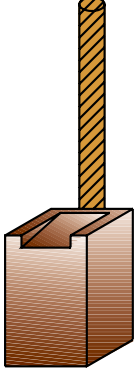
**7x16x14**
**TOYOTA** CORONA  
COROLLA  
CARINA  
CAMMRY  
CELICA  
ACCORD  
**HONDA**  
**DAIHATSU**

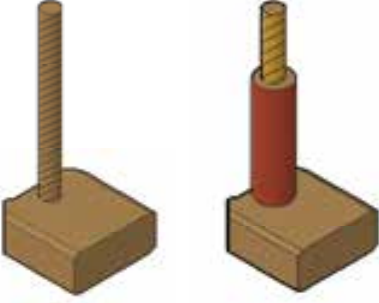
Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

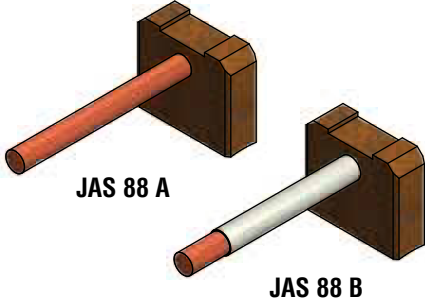
**JASX 85**28140-15010  
28531-0680**ND 0851**0280005335, 6494, 6520, 6813, 6822, 6823, 7092, 7093  
7100, 7280, 7290, 7330, 7331, 7332, 7440, 7460  
7461, 7470, 7520, 7521, 7580, 7581, 7981, 8040  
9010, 9490, 9500, 9501, 9900, 9901**4-JAS 85**1280000351, 1200, 1610, 1620, 1621, 1861, 1862, 2050  
2430, 2431, 2540, 2861, 5240, 6240, 8130Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6.5x10x16**28100-15031-000, 28100-87222, 28100-87510, 28100-  
87515, 28100-87515-000, 28100-87517, 28100-87526,  
28100-87701, 28100-87702, 28100-87704, 28100-87706,  
28100-87708, 28100-87708-000, 28100-87709, 28100-  
87709-000, 28100-87725, 28100-87725-000, 28100-87727,  
28100-87727-000, 28100-87730, 28100-87730B, 28100-  
87734, 28100-87734-000, 28100-87784  
94439315, 96051950, 96054059, 96062498  
31200-637-600, 31200- 676-6050, 31200-PA0-006, 31200-  
PA0-016, 31200-PA5-9112, 31200-PB1-934, 31200- PC0-004,  
31200-PC1-004, 31200-PC5-0042, 31200-PE0-003, 31200-  
PE0-013, 31200-PE0-901, 31200-PE5-L01, 31200-PM5-L01,  
31200-PM5-L03, DF4EF, DF4EH, DFDE6, DFKEE, DFLEA  
8941313560, 8941313561, 8941313562, 8942178712,  
8944121420, 8944121421, 8944393150, 8944393151  
B6DK-18-400  
SBA18508-6370, SBA18508-6540  
23300-AA000, 23300-AA030, 23300-AA031, 42991-1710,  
42991-5700, 42991-6200, 42991-7000, 42991-7110, 42991-  
7120, 42991-7130, 42991-7400  
31100-78310, 31100-78420, 31100-79661, 31100-82011,  
31100-82610, 31100-82611, 31100-82612, 31100-826A1,  
31100-84350  
28100-10030, 28100-10050, 28100-13020, 28100-13020K,  
28100-13030, 28100-15010, 28100-15011, 28100-15031,  
28100-15060, 28100-15110, 28100-15160, 28100-15170,  
28100-23800-71, 28100-27020, 28100-31020, 28100- 31021,  
28100-31030, 28100- 37010, 28100-37011, 28100-41050**DAIHATSU****TOYOTA****DAIHATSU MOTOR CO****GM****HONDA, ACURA****ISUZU****MAZDA****NEW HOLLAND****SUBARU****SUZUKI****TOYOTA**

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**JASX 86-87**
**028510-0750**
**YENİ - NEW**

**JASX 86**
**JASX 87**
**2-JAS 86  
2-JAS 87**
**Gerilim / Voltage  
(Volt)**
**12**
**Ölçü / Dimension  
(mm)**
**7x16x16**

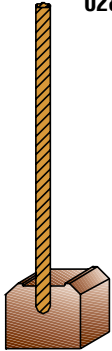
 28140-15090  
31208-PC2-661  
28140-15090  
028000-8220, 8432

 Replacing : 028099-3950  
Servicing : 028000-5730, 028000-8980, 028000-9380,  
028000-9510, 028000-9800, 128000-0050, 128000-0111,  
128000-0170, 128000-0171

**DAIHATSU**  
**HONDA** ACCORD  
INTEGRA  
**TOYOTA** COROLLA

**JASX 88**
**28531-0632**

**JAS 88 A**
**JAS 88 B**
**ND 0881**
**2-JAS 88 A  
2-JAS 88 B**
**Gerilim / Voltage  
(Volt)**
**12**
**Ölçü / Dimension  
(mm)**
**8x25x21**

 0280005510, 5530, 5550, 5560, 5832, 5833, 5840, 5850  
5860, 5862, 6010, 6022, 6290, 6310, 6340, 6460  
6870, 6880, 6891, 6950, 7240, 7241, 7451, 7810  
8070, 8500  
1280000550, 1570, 1571, 1700, 1760, 1790, 2930, 3080  
3512, 6170, 6171, 6830, 6920, 7280, 7281, 7282  
7920, 7921, 7922, 8620, 9580, 9581  
2810064080

**HINO**  
**ISUZU**  
**MITSUBISHI**  
**TOYOTA**
**JASX 89**
**028099-3430,3950  
028510-0460,0660  
028531-0720,0730**

**4-JAS 89**
**Gerilim / Voltage  
(Volt)**
**12**
**Ölçü / Dimension  
(mm)**
**7x16x14**

 0280002060, 4343, 5060, 5821, 5822, 5911, 5912, 6000  
6030, 6140, 6260, 6261, 6701, 7190, 7321, 8000  
8570, 8620, 8980, 9070, 9121, 9260, 9510, 9720  
9860  
128000 0120, 0220, 0280, 0620, 0622, 0710, 0720, 0740  
1151, 1220, 1230, 1260, 1370, 1440, 1441, 2040  
2060, 2130, 2210, 2830, 3340, 3380, 3381, 3470  
3480, 3481, 3710, 4420, 4840, 5080, 5630, 5700  
5780, 5781, 5840, 5941, 5951, 5952, 6300, 6780  
6870, 7190, 7200, 7390, 7500, 8070, 8200

**TOYOTA** CORONA  
COROLLA  
CARINA  
CELICA  
**HONDA**  
**ISUZU**

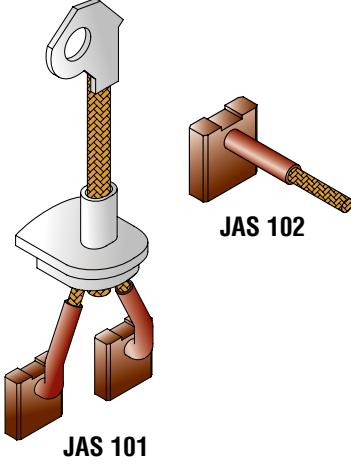
Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JASX 101-102**



ND 1021

DENSO 428000-0670,-0680 - 0700,-1640,-1750  
1454651,1935477,1935485  
6667825

1-JAS 101  
2-JAS 102

116928A1, 116928A2, 116928A23,193432A1,193432A2,  
1987565C1, 1987566C1, 332443A1, 8605784, A186247,  
A187615, D129494  
0R4318, 0R9226,1053133, 10R- 0754, 111-9860, 111- 9860,  
234-2637, 3E5381, 3E5382, 6T0380, 7C5731, 8C4774,  
9W2946, 9W3748

Gerilim / Voltage  
(Volt)

4428221  
C07825, C07837  
65.26201-7050  
12596914, 94039465, 94052175, 94052837, 97500358

Ölçü / Dimension  
(mm)

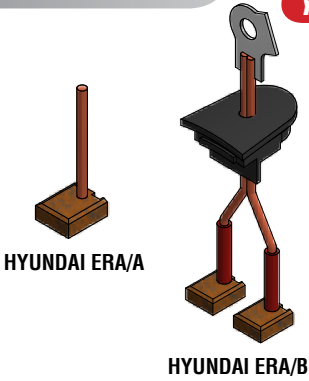
4.5x14x10.5

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2589223C91, 2593562C91,2593563C91, 2593564C91,  
3520840C91,3549408C91, 3591688C91, 3595800C91  
1811002301, 1811002310, 1811002340,1811002341,  
1811002390, 1811002461,1811002610, 1811002990,  
2-91255-900-0, 2911234200, 2912559020, 8-97500-358-2,  
8971197490,8975002310, 8975003580, 8975003581  
7026921  
AT195414, RE500199, RE500345,RE501050, RE501060,  
RE501060, RE501150, RE501298, RE501298,RE501298,  
RE502811, RE504244, RE504245, RE506079,  
RE506103, RE506105, RE520634, RE525468, RE528619,  
RE529661, RE533091, RE534934, RE534961, RE537519,  
RE539695, RE65817, RE69704, RE69705, RE70473,  
RE70474, RE70957, RE70958, RE70959, RE70960, RE70975,  
RE79474, SE501403, SE501403, SE501403, SE501405,  
SE501406, SE501407, SE501853, SE501866, SE501872,  
SE502559, TY24439, TY24439, TY24440, TY24441, TY24443,  
TY24444  
600-863-5110, 600-863-5111  
193432A2, 8605784, 87413501  
61230354, 61230355, 61230359, 61230373, 61230712,  
61231320

BLUEBIRD BUS  
BMW  
BOBCAT  
CASE  
CATERPILLAR  
CHRYSLER  
CLARK  
DAEWOO MOTOR CO  
GM  
IHC, NAVISTAR  
ISUZU  
JLG INDUSTRIES  
JOHN DEERE  
KOMATSU  
NEW HOLLAND  
THOMAS BUILT BUSES

**HYUNDAI ERA**

**YENİ - NEW**



ND 2011

GSL36100-03100

2-H.ERA A  
1-H.ERA B

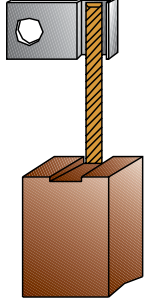
Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

5x10,6x12,5

HYUNDAI ACCENT, i10,  
i20, i30

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**PLSX 1**
**133-4 061**

**2-PLS 1**

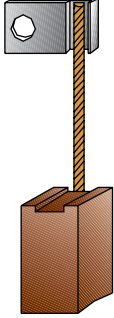
 1043-047/6, 162-10-08/12,  
409-8041-00/22, 10-200-4009

**SKODA**

 Gerilim / Voltage  
(Volt)

**6/12**

 Ölçü / Dimension  
(mm)

**7x16x22**
**PLSX 3**
**110-904 300,  
02-8480-82**

**4-PLS 3**

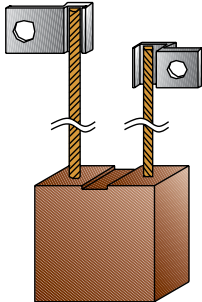
 443115142071, 443115142110, 443115142112,  
443115142350

**SKODA**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x12x22**
**PLSX 4**
**93-22-32**

**4-PLS 4**

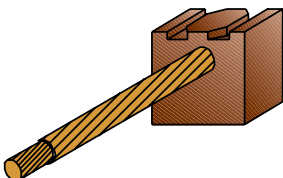
443 115 144 44, 443 115 144 722

**SKODA**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8,8x26,6x26**
**PLSX 5**
**344 112 021**

**4-PLS 5**

443 115 141 310/311

**SKODA** FELICIA  
FAVORIT, FABIA

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x12,5x12,5**

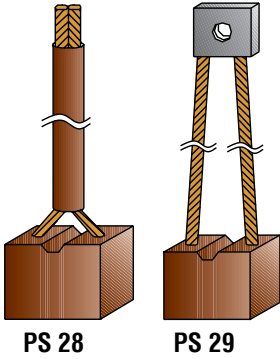


Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**PSX 28-29**

PS 28

PS 29

2-PS 28  
2-PS 29Gerilim / Voltage  
(Volt)

12

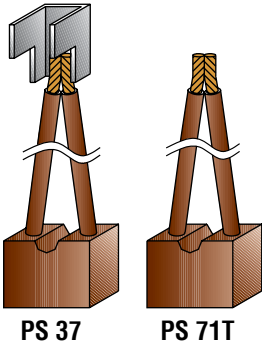
Ölçü / Dimension  
(mm)

7x18x14

D11 B30

CITROEN  
PERKINS  
IHC  
MASSEY FERGUSON**PSX 37-71T**

75592



PS 37

PS 71T

1-PS 37  
1-PS 71Gerilim / Voltage  
(Volt)

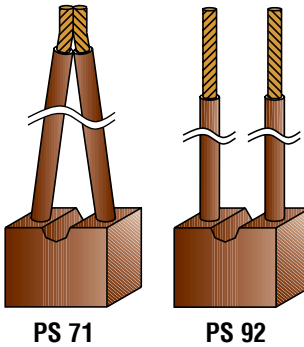
12

Ölçü / Dimension  
(mm)

7x18x14

DBL25, E50, 54, 70, 86, 94, 97  
D11E140CITROEN  
PERKINS  
IHC  
MASSEY FERGUSON**PSX 71-92**

73829



PS 71

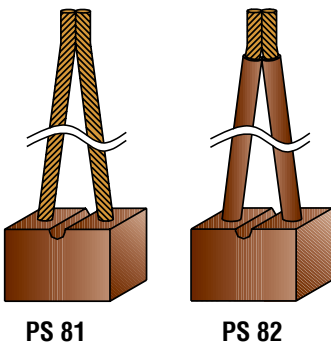
PS 92

1-PS 71  
1-PS 92Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

7x18x14

D8E21, 22, 27, 30, 31, 37, 41, 43, 49, 50, 54,  
D8E57, 58, 60, 63, 64, 66, 68, 70, 76, 86, 94,  
D8E96, 97, 98, 104, 106CITROEN C25  
FIAT DUCATO  
PEUGEOT 404, 504, J5**PSX 81-82**72631G  
300679

PS 81

PS 82

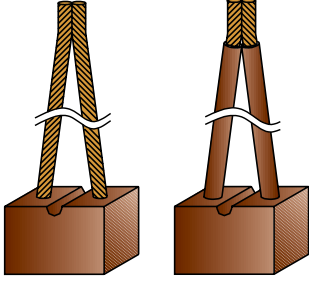
2-PS 81  
2-PS 82Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

10x25x17

D11E92, T, 104, 117, 119T, 121, 127, 129, T, 137  
141, 146, 153, 153T, 154, 155, 169, 173, 176,  
178, 202PEUGEOT  
RENAULT

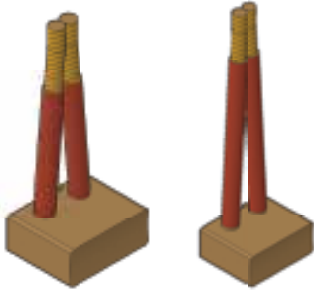
**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**PSX 83-84**
**71 630F  
182 132  
182 145**

**PS 83**
**PS 84**
**2-PS 83  
2-PS 84**

D11E81, T, 88, 89, T, TE, 90, T, 98, T, TE, 99, T, 103, 114,  
122, T, 124, 125, 128, T, 130, 138T, 149  
D13E63, T, 64-66, T, 69, T, 70, T, 71, 73, TE 74, TE, 81, T,  
TE, 82 T, 83-85, 88, 90 TE, 95,  
100 TE, 101 TE, 104 TE, 105, 108 TE, 111, 112, 116

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

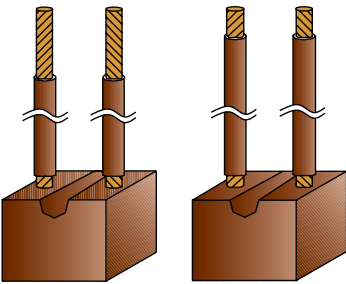
**10x25x17**
**PSX 89-90**
**594286**
**YENİ - NEW**

**PS 89**
**PS 90**
**2-PS 89  
2-PS 90**

D13HP601,605,607, 608,609,613

Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

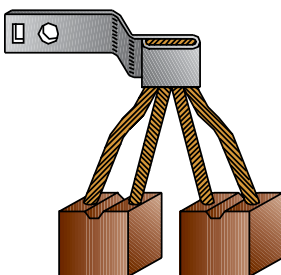
**10x25x20**
**DAF  
SCANIA**
**PSX 98-99**
**75 707P**

**PS 98**
**PS 99**
**2-PS 98  
2-PS 99**

D11E126, 135, 148, 156, 161, 184, 188, 191, 192, 195

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**10x18x14**
**PEUGEOT  
KAMYON / TRUCK  
RENAULT**
**PSX 112**
**78 900U  
182 146**

**4-PS 112**

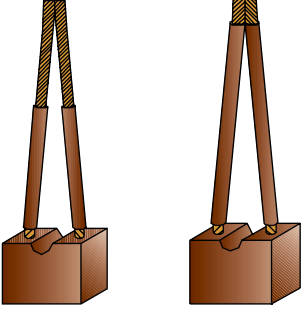
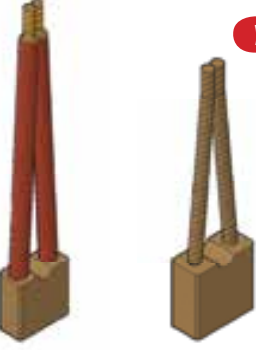

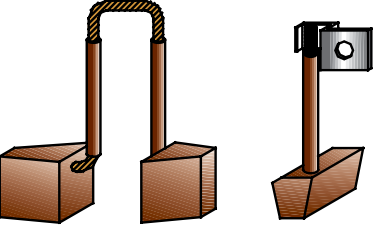
D13E76, 77, 86TE, 87TE, 93TE, 94TE, 96TE, 98TE,  
107TE, 109TE, 110TE

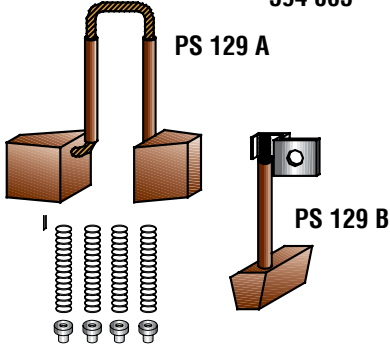
Gerilim / Voltage  
(Volt)

**24**

Ölçü / Dimension  
(mm)

**10x18x17**
**CATERPILLAR  
L-D 955**

Takım Sipariş Kodu / Set Order Code	Özellikler / Properties	Motor Numarası / Unit No.	Araç Modeli / Vehicle Model
<p><b>PSX 115-116</b></p> <p>92 655V 182 064</p>  <p>PS 115 PS 116</p>	<p><b>1-PS 115</b> <b>1-PS 116</b></p> <p>Gerilim / Voltage (Volt)</p> <p><b>12</b></p> <p>Ölçü / Dimension (mm)</p> <p><b>7x18x14</b></p>	<p>D8E21, 22, L25, E27, 30, 31, 37, 41, 43, 49, 50, 54, 58-60, 64, 66, 70, 71, 75-78, 81-84, 86-89, 94-98, 102, 104, 106, 108, 109, 112-115, 117-126, 129, 132, 134, 136, 137, 139, 140, 142, 144, 147, 151, 152, 158</p> <p>D9E7, 9, 11, 12, 14-22, 26-28, 34, 35, 37, 41</p> <p>D10E43, 48-50, 53, 54, 57, 63-65, 69, 76, 80, 84, 86</p>	<p><b>PEUGEOT</b> <b>RENAULT</b></p>
<p><b>PSX 119-120</b></p> <p>182 070 182 072</p> <p><b>YENİ - NEW</b></p>  <p>PSX 119 PSX 120</p>	<p><b>1-PS 119</b> <b>1-PS 120</b></p> <p>Gerilim / Voltage (Volt)</p> <p><b>12</b></p> <p>Ölçü / Dimension (mm)</p> <p><b>7x15x14</b></p>	<p>D8E26,29,34,L35,E40,44-46,51,52,62, 65,L65,67,73,E74,L80,90-93,E99,103, 107,111,116,130,131,141,148,154</p>	<p><b>CITROEN</b> BX C15 VISA</p> <p><b>PEUGEOT</b> 205</p> <p><b>RENAULT</b> 14</p>
<p><b>PSX 122-123-124</b></p> <p>182 073</p> <p><b>YENİ - NEW</b></p>  <p>PSX 122 PSX 123 PSX 124</p>	<p><b>1-PS 122</b> <b>1-PS 123</b> <b>1-PS 124</b></p> <p>Gerilim / Voltage (Volt)</p> <p><b>12</b></p> <p>Ölçü / Dimension (mm)</p> <p><b>9,7/ 4,2x12,4x15</b></p>	<p>D8E145,153,155,157</p>	<p><b>ALFA ROMEO</b> 75 90</p> <p><b>VW</b> GOLF SCIROCCO</p> <p><b>CITROEN</b> GS</p>
<p><b>PSX 129</b></p> <p>92 878G 182 065 594 065</p>  <p>PS 129 A PS 129 B</p>	<p><b>VA 1291</b></p> <p><b>1-PS 129 A</b> <b>2-PS 129 B</b></p> <p>Gerilim / Voltage (Volt)</p> <p><b>12</b></p> <p>Ölçü / Dimension (mm)</p> <p><b>10,6/6,1x10,3x15</b></p>	<p>D9E31, 40, 43-46, 49-55, 62, 74, 75, 77, 79, 85, 87, 95, 98, 100, 102, 104, 111, 131, 138, 140, 200, 238, 300, 771-774, 776, 851, 852</p>	<p><b>RENAULT</b> 9, 11, 19, 21 CLIO, MEGANE</p> <p><b>VOLKSWAGEN</b> TRANSPORTER JETTA PASSAT</p>

**Takım Sipariş Kodu / Set Order Code**
**PSX 129 S**
**92 878G  
182 065  
594 065**

**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**1-PS 129 A  
2-PS 129 B**

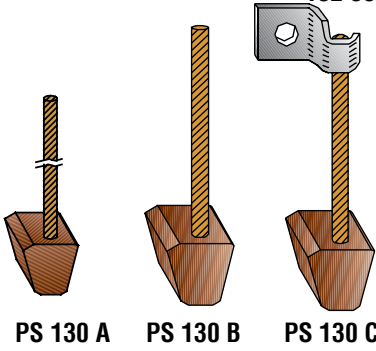
D9E31, 40, 43-46, 49-55, 62, 74, 75, 77, 79, 85, 87, 95, 98,  
100, 102, 104, 111, 131, 138, 140, 200, 238, 300,  
771-774, 776, 851, 852

**RENAULT** 9, 11, 19, 21  
CLIO, MEGANE  
**VOLKSWAGEN**  
TRANSPORTER  
JETTA  
PASSAT

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**10,6/6,1x10,3x15**
**PSX 130**
**92 883  
300.687A  
182 068**

**1-PS 130 A  
1-PS 130 B  
2-PS 130 C**

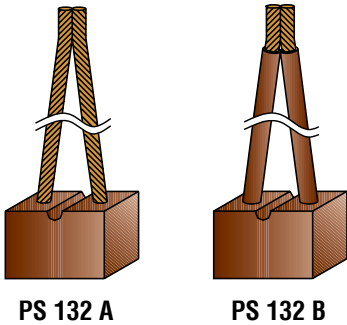
D9E32

**RENAULT**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**10,6/6,1x10,3x15**
**PSX 132**
**92 925  
182 118**

**2-PS 132 A  
2-PS 132 B**

D11E148, 156, 161, 172, 177, 184, 187, 188, 191,  
192, 195, 272

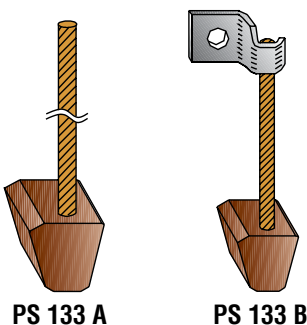
**PEUGEOT** 404, 504  
J9 2,5KW

**RENAULT** 1.8 D / 2.0 D

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**10x18x14**
**PSX 133**
**300 706Z  
182 067  
594 066**

**VA 1330  
VA 1331**

D9E36, 38, 39, 48, 56, 57, 61, 64, 66, 68-70, 76, 78, 81-83,  
86, 92-94, 101, 107-110, 113, 114, 123-125, 127,  
129, 132, 136, 137, 237, 276, 278, 701, 702, 861

**RENAULT** 9 GTC, GTE  
BROADWAY

**1-PS 133 A  
1-PS 133 B**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

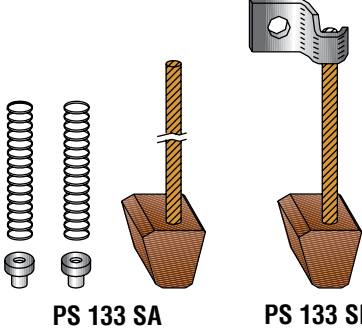
**13,9/6,9x12x15**

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**PSX 133 S**300 706Z  
182 067  
594 066

PS 133 SA

PS 133 SB

1-PS 133 A  
1-PS 133 BD9E36, 38, 39, 48, 56, 57, 61, 64, 66, 68-70, 76, 78, 81-83,  
86, 92-94, 101, 107-110, 113, 114, 123-125, 127,  
129, 132, 136, 137, 237, 276, 278, 701, 702, 862RENAULT 9 GTC, GTE  
BROADWAYGerilim / Voltage  
(Volt)

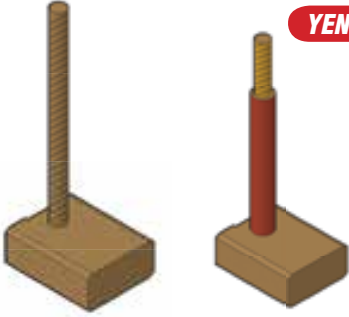
12

Ölçü / Dimension  
(mm)

13,9/6,9x12x15

**PSX 136-137**300 841H  
300 842

YENİ - NEW



PS 136

PS 137

2-PS 136  
2-PS 137

D10E85,87-90,92,881,882,921,922

RENAULT 5  
VOLVO 340  
360Gerilim / Voltage  
(Volt)

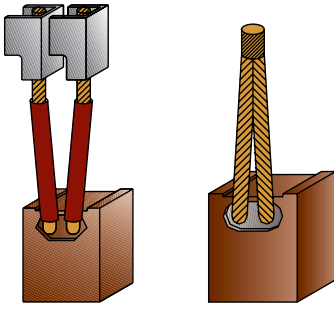
12

Ölçü / Dimension  
(mm)

7x15x18,5

**PSX 138-139**

182 054



PS 138

PS 139

1-PS 138  
1-PS 139D9R84  
D9R121CITROEN BERLINGO  
JUMPER  
XSARA  
PEUGEOT 205, 305  
306, 307  
405, 406  
407, J5  
PARTNER  
SUZUKI VITARAGerilim / Voltage  
(Volt)

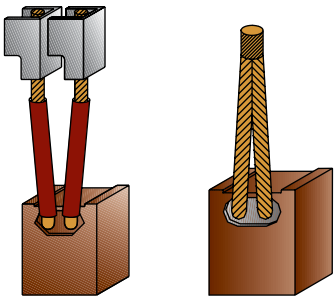
12

Ölçü / Dimension  
(mm)

9x18x22

**PSX 140-141**

182 051



PS 140

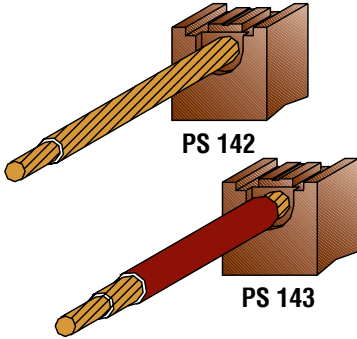
PS 141

2-PS 140  
2-PS 141D9R73, 89-91, 96, 99, 105, 106, 118, 122, 126,  
D9R135, 139, 142PEUGEOT  
RENAULT  
CITROEN  
CHRYSLERGerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

9x18x22

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**PSX 142-143**
**185 658**

**2-PS 142  
2-PS 143**

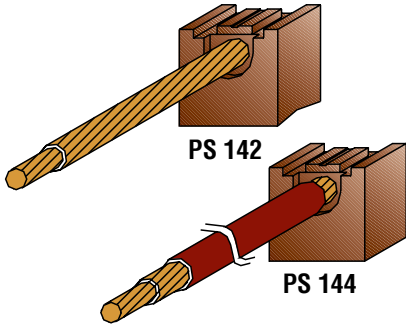
D7RS131, -31, D7RS130, -30, D7RS129, -29  
RE501680, RE501693, RE502156, RE502196, RE60641,  
RE63010, SE501861

**HYUNDAI** STAREX  
**PEUGEOT**  
**CITROEN**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**7x14x13,7**
**PSX 142-144**
**187 778  
187 779**

**VA 1441  
VA 1442**

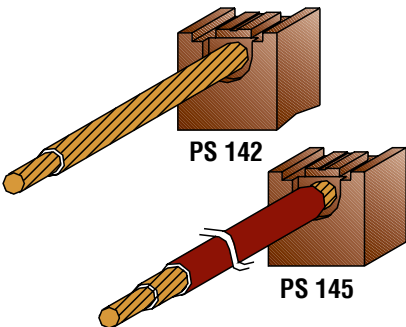
D7R5, 11, 15  
D7R123, -19, -28, -281, -43, -46  
D7R13, -18, -25, -35, -5  
D7R1, -11, -3, -45  
D7R12, -20, -27, -4  
D7R22  
D7R33  
D7R48  
D7R16  
RE501680, RE501693, RE502156, RE502196, RE60641,  
RE63010, SE501861

**PEUGEOT** PARTNER  
**CITROEN**
**AUDI** A2, A3  
**FORD** GALAXY  
**SEAT** ALHAMBRA,  
AROSA,  
CORDOBA, IBIZA,  
LEON, TOLEDO,  
**SKODA** OCTAVIA,  
**VOLKSWAGEN** BORA,  
GOLF, PASSAT,  
POLO, SHARAN,  
VENTO, CADDY,  
TRANSPORTER  
**JOHN DEERE**
**2-PS 142  
2-PS 144**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**7x14x13,7**
**PSX 142-145**
**185 658, 187 639  
188 571, 191 663**

**2-PS 142  
2-PS 145**

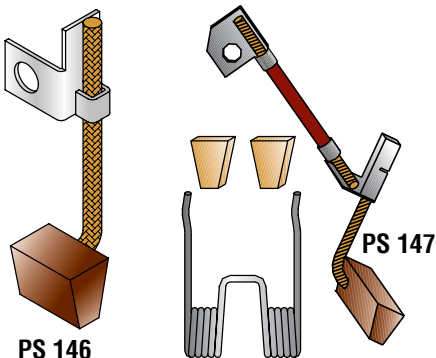
D7R VW

**VOLKSWAGEN**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**7x14x13,7**
**PSX 146-147**
**594 064  
594 072**

**1-PS 146  
1-PS 147**

184030, 184205  
D6RA8,10

**RENAULT** CLIO  
COUPE  
MEGANE  
CABRIOLET  
SCENIC

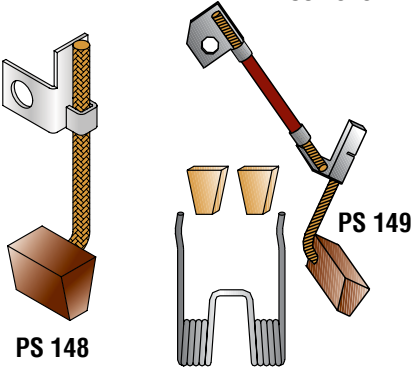
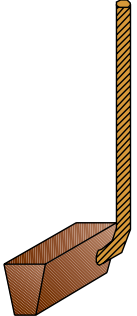
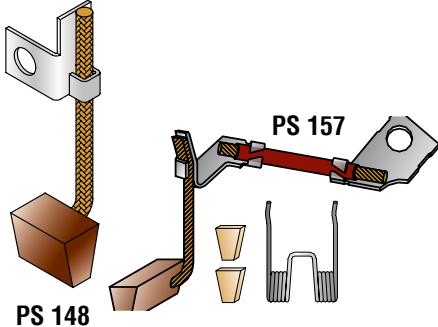
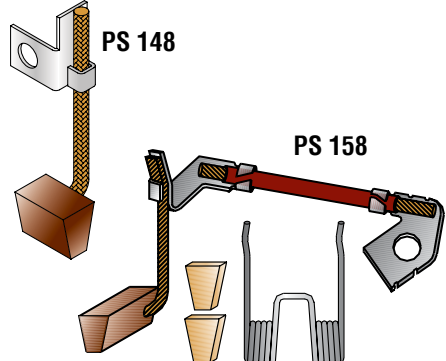
Gerilim / Voltage  
(Volt)

**12**

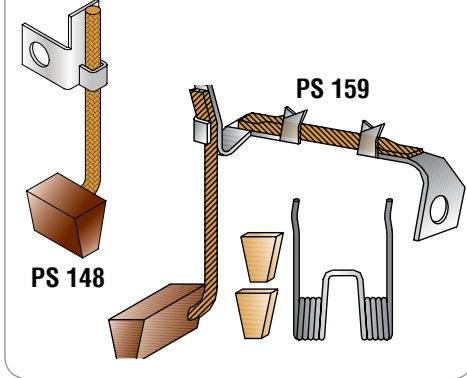
Ölçü / Dimension  
(mm)

**4,5/9x11x14**



Takım Sipariş Kodu / Set Order Code	Özellikler / Properties	Motor Numarası / Unit No.	Araç Modeli / Vehicle Model
<p><b>PSX 148-149</b> 594 060 594 070</p>  <p>PS 148 PS 149</p>	<p>VA 1480 VA 1491</p> <p>1-PS 148 1-PS 149</p> <p>Gerilim / Voltage (Volt)</p> <p>12</p> <p>Ölçü / Dimension (mm)</p> <p>4,5/9x11x18</p>	<p>182505, 551 183199, 212 184413, 470, 471 185310, 874</p>	<p>PEUGEOT KARSAN BOXER PARTNER RENAULT MEGANE CABRIOLET SCENIC COUPE</p>
<p><b>PSX 148-149/0</b> 594 063</p> 	<p>VA 1572</p> <p>1-PS 148/0 1-PS 149/0</p> <p>Gerilim / Voltage (Volt)</p> <p>12</p> <p>Ölçü / Dimension (mm)</p> <p>4,5/9x11x18</p>	<p>D6RA12, D6RA13, D6RA16, D6RA17, D6RA18, D6RA19 D6RA20, D6RA21, D6RA22, D6RA23, D6RA27, D6RA29 D6RA30, D6RA32, D6RA33, D6RA34, D6RA37, D6RA38 D6RA40, D6RA45, D6RA48, D6RA5, D6RA6, D6RA61 D6RA661</p>	<p>VOLKSWAGEN PEUGEOT</p>
<p><b>PSX 148-157</b> 594 063,127,254 594 129,130,253</p>  <p>PS 148 PS 157</p>	<p>VA 1480 VA 1571</p> <p>1-PS 148 1-PS 157</p> <p>Gerilim / Voltage (Volt)</p> <p>12</p> <p>Ölçü / Dimension (mm)</p> <p>4,5/9x11x18</p>	<p>183450, 940 184231, 348, 456, 457, 550, 646, 727, 880, 881, 185243-246, 597, 690, 722, 740-742, 758, 850 186045, 140, 214, 215, 269, 276, 424, 441, 442, 476, 625, 626, 708, 887 187027, 259, 332, 515 188339 D6RA7, 13, 15, 17, 19, 21-23, 25-30, 32, 34, 39-44, 46, 48-50 D6RA52-56, 59, 60, 62, 63, 66, 70, 72, 75, 141, 161, 661, 721</p>	<p>OPEL ASTRA CORSA VOLVO RENAULT</p>
<p><b>PSX 148-158</b> 594 169-386 594 132-385</p>  <p>PS 148 PS 158</p>	<p>VA 1480 VA 1581</p> <p>1-PS 148 1-PS 158</p> <p>Gerilim / Voltage (Volt)</p> <p>12</p> <p>Ölçü / Dimension (mm)</p> <p>4,5/9x11x18</p>	<p>182549 185547, 722 186060, 502, 848, 886 187026 188401, 564 190549 D6 RA33, 37 47, 51, 57, ?, 133, 571</p>	<p>RENAULT MEGANE D</p>

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**PSX 148-159**

 594 317,360  
594 318,323,359,364

**VA 1480  
VA 1591**

 1875047, 507, 509  
188102, 103, 652-654  
190652  
D6 RA67, 78-81, 91, 167, 180, 181

**OPEL  
RENAULT**
**1-PS 148  
1-PS 159**

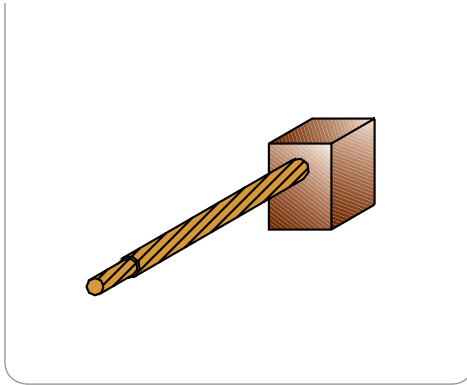
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**4,5/9x11x18**
**PSX 155**

594 351


**VA 1551**

 187682  
188063, 329, 707  
190080, 166, 167, 227, 229  
D7E4, 6, 8, 15, 18-20, 22, 27  
D7ED28

**RENAULT** CLIO  
TWINGO  
KANGOO  
**CITROEN** SAXO  
XSARA  
**PEUGEOT** BERLINGO  
**MERCEDES** A140, A160  
**VOLKSWAGEN**
**4-PS 155**

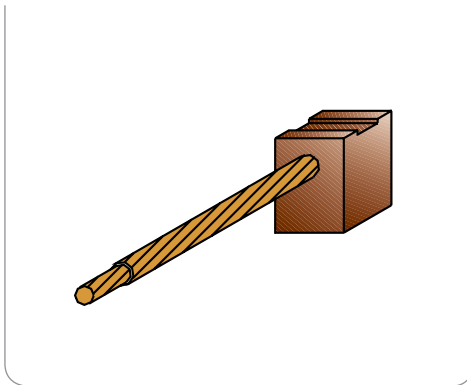
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6,4x8x11**
**PSX 156**

594 381


**4-PS 156**

 188279, 190172, 190396  
D7ES2, 4, 5

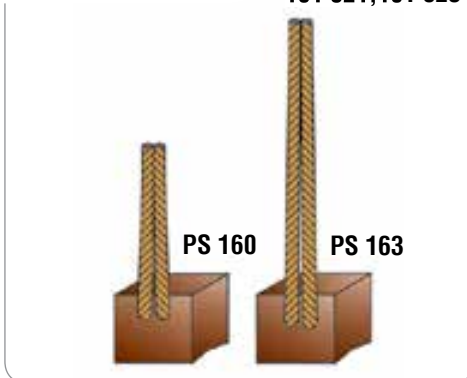
**PEUGEOT  
VOLKSWAGEN**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6,4x8x11**
**PSX 160-163**

 190 986,191 060  
191 821,191 823

**2-PS 160  
2-PS 163**

 190365  
D7G 3, 4, 6

**AUDI**  
**BMW**  
**OPEL** MERIVA  
**RENAULT** MASTER  
**PEUGEOT**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

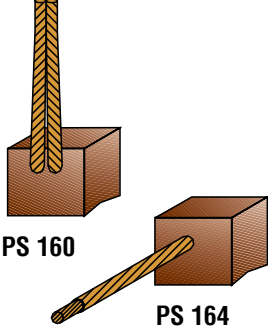
**7x13x11,5**

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**PSX 160-164**190 986,191 060  
191 821,191 823

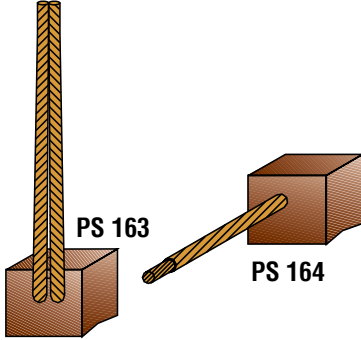
VA 1641

190365  
D7G 3, 4, 6  
23300-00QAF  
7711134330, 7711134931, 8200106788, 82006346022-PS 160  
2-PS 164AUDI  
BMW  
RENAULT MASTER  
PSA  
OPEL MOVANO  
NISSAN, INFINITI  
RENAULTGerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

7x13x11,5

**PSX 163-164**190 987  
191 824

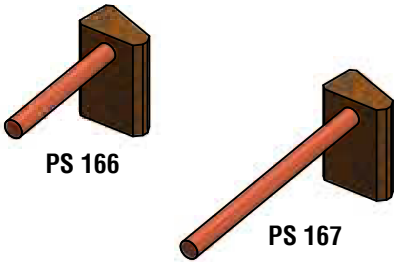
VA 1642

D7G  
SIH2-PS 163  
2-PS 164VOLKSWAGEN  
CADDY  
TRANSPORTER T.5Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

7x13x11,5

**PSX 166-167**191 849  
191 771VA 1671  
VA 1672

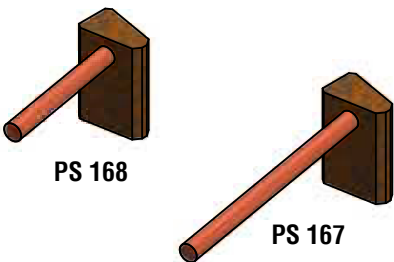
D6G1, 2, 3, 5

2-PS 166  
2-PS 167BMW  
MERCEDES  
FIAT ALBEA MULTIJET  
PEUGEOT 206, 307Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

3,9/6,4x10x15,5

**PSX 168-167**192 285  
191 7712-PS 168  
2-PS 167

D6GSP19

VOLKSWAGEN  
AUDIGerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

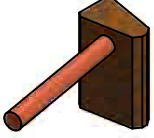
3,9/6,4x10x15,5

Takım Sipariş Kodu / Set Order Code

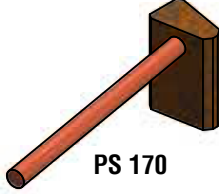
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**PSX 169-170**191 772  
191 773

PS 169



PS 170

2-PS 169  
2-PS 170Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

3,9/6,4x10x15,5

D6GS11-13

**AUDI** A3  
**SEAT** IBIZA  
LEON  
TOLEDO  
**VOLKSWAGEN**  
GOLF  
JETTA  
PASSAT  
POLO  
TOURAN  
TRANSPORTER  
**SKODA** OCTAVIA



**ALTERNATÖR KÖMÜRLERİ**

***ALTERNATOR BRUSHES***

Takım Sipariş Kodu / Set Order Code

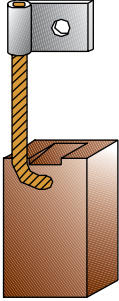
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**BX 19**

1 107 014 103


**2-B 19**

 0 101 206 037  
352 005, 008  
354 023  
355 040  
1 004 320 016

**OPEL**  
**BMW**  
**FORD**  
**SKODA**

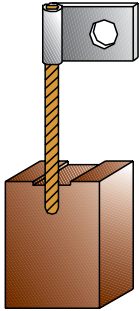
 Gerilim / Voltage  
(Volt)

**6/12**

 Ölçü / Dimension  
(mm)

**6x14x23,5**
**BX 59**

1 107 014 125


**2-B 59**

 0 101 100 015  
0 101 200 034  
201 020-23, 25, 28  
202 010, 16, 22, 23  
203 002, 03, 05-09  
204 014  
205 009-12, 14, 16, 19  
206 007, 09, 13, 14, 18, 24-27, 29, 30, 32-35, 37, 38, 43  
044, 47, 50, 52-54, 57-68, 070-76, 79, 81-84, 86-91  
096, 98-110, 113, 115-117, 119, 120, 122, 123, 125  
132-141, 145-152, 157,  
207 005, 09-11, 13-15, 18  
208 002, 03, 05, 07-11  
209 002, 03, 07-09, 14, 18, 21-23, 25-29, 31, 33, 36-41  
43-47, 60, 64, 65, 67-69  
352 005, 08  
354 023  
355 040  
0 136 200 007

**FORD** TAUNUS  
TRANSIT  
**OPEL**

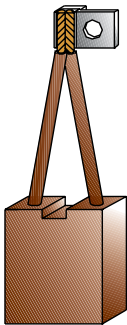
 Gerilim / Voltage  
(Volt)

**6**

 Ölçü / Dimension  
(mm)

**6x14x19**
**BX 67**

1 107 014 116


**2-B 67**

 0 101 353 005, 012, 014, 022, 025, 029, 037  
0 101 401 010, 015  
0 101 402 001, 002, 008, 028, 031, 043, 047, 049  
050, 055-057, 060, 064, 067, 071, 072  
076, 078, 086, 090, 106  
0 101 404 016, 019, 020, 023, 026

**MAN**  
**MERCEDES**  
**STEYR** 300

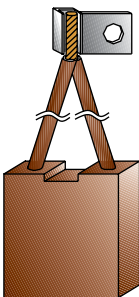
 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**6x22x22,5**
**BX 68**

1 107 014 118


**4-B 68**

 0 101 206 135, 157  
0 101 209 031, 033, 037, 041  
0 101 500 001, 5, 6, 15, 18, 21, 23, 27  
0 101 501 001, 2, 9, 15, 21, 27-29, 36, 39, 51, 55, 62-66  
0 101 502 001  
0 101 206 151  
0 101 500 006, 11, 13, 25, 27, 29  
2 104 320 107

**VOLVO**  
**BÜSSING**  
**SCANIA** VABIS 600

 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**6x28x30,5**

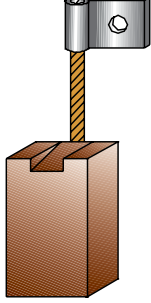


Takım Sipariş Kodu / Set Order Code

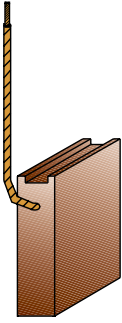
Özellikler  
Properties

Motor Numarası / Unit No.

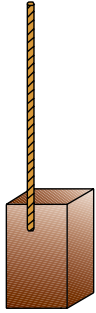
Araç Modeli/Vehicle Model

**BX 147**2 017 014 100  
2 017 014 105**4-B 147**0 010 300 001-4, 6, 13, 100, 101  
0 010 350 003-7, 9, 11-20, 100-106  
0 101 350 004  
0 136 351 006Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6x14x23,5**TRABANT  
MOTO GUZZI**BX 151**

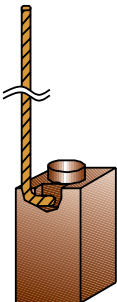
1 127 014 000

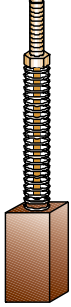
**2-B 151**0 120 400 507, 10, 17, 19, 22-24, 26, 29-31  
533-37, 40Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**10x5x18**MAN  
MAGIRUS**BX 162**

1 127 014 001

**2-B 162**0 120 400 600-6, 8, 9, 11, 14, 15, 20-31, 34  
635, 37, 43, 44, 47-50, 52-63, 71  
672, 75, 77-82, 86, 87, 92, 93  
700, 2, 3, 9-14, 16, 17, 19, 21  
726-31, 36, 52, 53, 56, 57, 64, 65  
765-77, 86, 87, 89, 92-95  
800, 1, 2, 23, 47, 48, 70, 71, 93-96  
920, 34, 40Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**10x5x17**ALFA ROMEO  
AUDI  
BMW  
MERCEDES  
FORD  
VOLVO KAMYON/TRUCK**BX 172**

1 127 014 011

**2-B 172**0 120 300 510...592  
0 120 339 539,  
0 120 400 669, 70  
0 120 400 704-07...  
0 120 400 806-11...926-43  
0 120 450 003, 4, 7  
0 120 489 059...999  
9 120 143 000-003...34  
9 120 143 201-4, 18, 22, 23, 25  
9 120 144 002...040  
9 120 144 218...298  
9 120 144 303, 11Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x5x15,5**AUDI  
BMW  
MERCEDES  
J. DEERE  
FORD  
MAGIRUS  
VOLVO KAMYON/TRUCK

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**BX 175**
**2 127 014 003  
2 127 014 005**

**2-B 175**

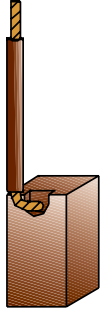
 0 120 600 515, 21, 25, 27, 38-40, 43, 44, 54  
554, 58-71, 73-81  
0 121 600 503, 7, 9, 11-16, 18-20

**MERCEDES 302**

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**10x5x22**
**BX 185**
**1 127 014 011**

**2-B 185**

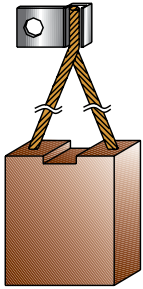
 0 120 300 510...592  
0 120 339 539  
0 120 400 669...843  
0 120 450 003, 4, 7  
0 120 489 059...999  
9 120 143 000-003...225  
9 120 144 002...040  
9 120 144 218-20...98  
9 120 144 303, 11

**AUDI  
BMW  
MERCEDES  
J.DEERE  
FORD  
MAGIRUS  
VOLVO KAMYON/TRUCK**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x5x15,5**
**BX 192**
**2 107 014 012**

**2-B 192**

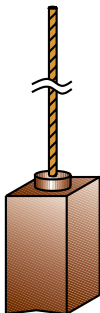
 0 101 209 060, 65, 68  
301 010  
302 022, 25, 27, 29, 35, 39, 44, 56, 84, 105, 111  
0 101 601 003, 5 21, 22, 24, 73, 92, 93, 96, 98, 100  
102-104, 106, 114, 116, 118-120, 122, 126  
128, 130, 140, 142, 148, 149, 160, 166, 168  
171-179, 186, 189-191, 194, 195  
0 101 690 004

**MAGIRUS  
HENSCHEL OTOBÜS/BUS**

 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**8x28x33,5**
**BX 199**
**1 127 014 015**

**2-B 199**

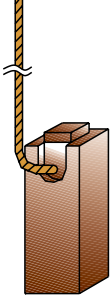
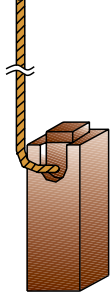
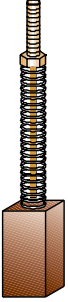

 0 120 400 665  
725, 60-63, 84  
829  
0 120 489 793, 94, 96  
9 120 144 006-8, 101-5, 107, 109, 110

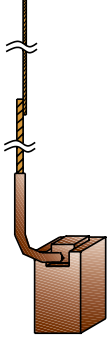
 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**8x5x15,5**

Takım Sipariş Kodu / Set Order Code	Özellikler / Properties	Motor Numarası / Unit No.	Araç Modeli / Vehicle Model
<p><b>BX 201</b> 1 127 014 016</p> 	<p><b>2-B 201</b></p> <p>Gerilim / Voltage (Volt) <b>12</b></p> <p>Ölçü / Dimension (mm) <b>8x5x23,2</b></p>		<p>MAGIRUS SCANIA MERCEDES KAMYON / TRUCK IVECO</p>
<p><b>BX 202</b> 1 127 014 013 1 127 014 017 1 127 014 020</p> 	<p><b>2-B 202</b></p> <p>Gerilim / Voltage (Volt) <b>24</b></p> <p>Ölçü / Dimension (mm) <b>8x5x19,5</b></p>	<p>1 124 320 046/054 0 120 400 944, 45, 47-54 0 120 450 001, 2, 10-29 0 120 469 580, 691, 752, 53, 73, 850, 51 0 120 484 045, 46 0 120 489 034, 658, 709, 891, 900, 995 9 120 144 124, 125, 130, 133</p>	<p>MERCEDES KAMYON / TRUCK IHC MAGIRUS MAN SAAB SCANIA IVECO VOLKSWAGEN VOLVO KAMYON / TRUCK FORD KAMYON / TRUCK DAF</p>
<p><b>BX 203</b> 2 127 014 003 2 127 014 005</p> 	<p><b>2-B 203</b></p> <p>Gerilim / Voltage (Volt) <b>24</b></p> <p>Ölçü / Dimension (mm) <b>10x5x22</b></p>	<p>0 120 600 515, 21, 25, 27, 38-40, 43, 44, 54 554, 58-71, 73-81 0 121 600 503, 7, 9, 11-16, 18-20</p>	<p>MERCEDES 302, 303 SETRA MAN</p>
<p><b>BX 204</b> 1 127 014 022 1 127 014 018 1 127 014 023 1 127 014 025 1 127 014 029 1 127 014 030</p> 	<p><b>2-B 204</b></p> <p>Gerilim / Voltage (Volt) <b>12</b></p> <p>Ölçü / Dimension (mm) <b>8x5x19,5</b></p>	<p>0 120 339 547... 450 030, 031 0 120 468 001-147, 149, 154, 155, 159-162, 999 469 001...999 484 001-027, 035, 040, 041, 050, 051 488 000-012...316 489 002-018...997 9 120 080 129, 135 143 018, 019 144 111-123...636 9 120 335 003 9 120 690 095, 098, 150, 152, 154 9 121 337 079</p>	<p>MERCEDES 190, 200 BMW CITROEN BX OPEL VOLVO PEUGEOT ALFA ROMEO AUDI FORD FIAT JAGUAR XJ</p>

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**BX 209**
**1 127 014 021**

**2-B 209**

0 120 339 502-506, 509-526, 527, 528, 531-538, 543-546  
400 938, 939, 941, 942  
450 009  
469 500-507...574  
489 001...888Z  
9 120 143 035, 036, 205-210, 212, 214, 215, 224, 227-229  
144 016...238  
334 140  
690 006, 007, 012-015, 020, 021, 025, 081, 082

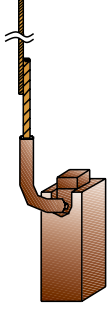
 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**8x5x15,5**
**MERCEDES**

KAMYON / TRUCK  
FIAT TRAKTÖR / TRACTOR  
SAAB  
J.DEER  
MAN

**BX 213**
**1 127 014 028**

**2-B 213**

0 120 335 006-008, 010-012  
465 003, 004, 006-018, 020, 021, 023, 026-029, 031  
485 005-008...050  
0 123 100 001... 0 123 545 004  
0 124 515 503

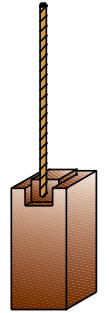
 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**6x4x17,5**
**VOLKSWAGEN**

PASSAT, POLO  
GOLF, SHARAN  
VENTO CADDY  
TRANSPORTER  
SEAT TOLEDO  
IBIZA, CORDOBA  
CORSA

**SEAT**
**OPEL**
**VOLVO**
**BMW**
**MERCEDES**
**PEUGEOT**
**BX 214**
**1 127 014 024**

**2-B 214**

0 120 489 293, 309, 475, 481

 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**8x5x17,5**
**MERCEDES**
**FORD**
**IVECO**
**MAN**

KAMYON / TRUCK  
OTOBÜS/ BUS

**SAAB**

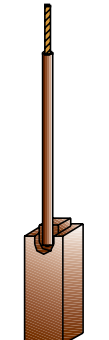
FIAT TRAKTÖR / TRACTOR

PEUGEOT KAMYON / TRUCK

VOLKSWAGEN

KAMYON / TRUCK

LEYLAND KAMYON /TRUCK

**BX 215**
**1 127 014 016**
**1 127 014 026**
**1 127 014 027**

**2-B 215**

0 120 469 710  
689 502-08, 10-18, 20-28  
530-35, 38-41, 43, 45, 46  
548-53, 55, 57-59, 61, 63  
564, 67, 69, 71-77, 82-85

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**8x5x24,2**
**LEYLAND**

KAMYON / TRUCK

**MERCEDES**

KAMYON / TRUCK

**MAN**

Takım Sipariş Kodu / Set Order Code

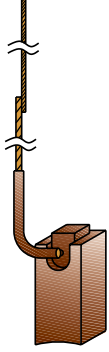
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

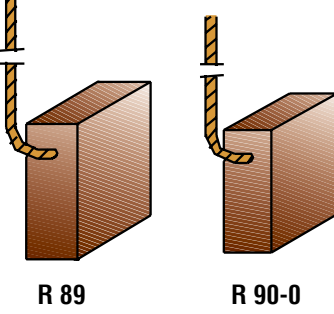
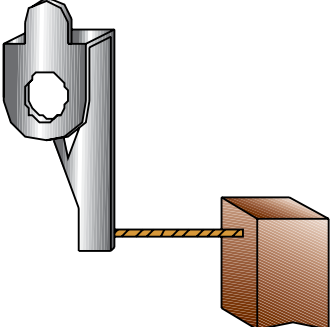
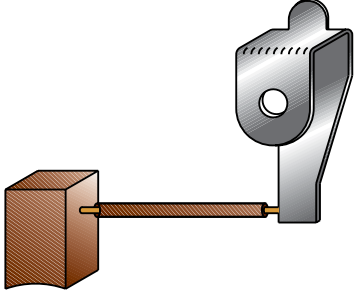
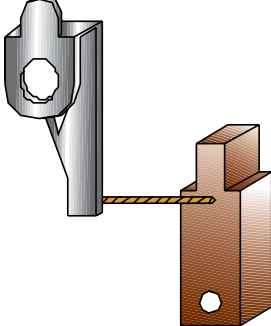
**BX 219**

1 127 014 031

**2-B 219**0 120 469 847, 848  
0 120 488 206, 294Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x5x17,5****BMW** 5, 6, 7  
**FIAT** TEMPRA, TIPO  
**LANCIA** DEDRA**BX 220****2-B 220**0 124 215 001-006, 008  
225 001...047  
315 001-008, 010-016, 018-022, 024-027, 030  
325 001...125  
0 124 415 001, 002, 005-016, 023, 025, 026, 028, 030, 032, 033  
425 004, 006, 009, 010, 019, 021, 022  
515 001...121  
525 001...058,  
555 001-008, 012-016, 020, 024, 027, 035  
615 002...035  
625 005, 007, 018  
655 001, 002, 004-008, 012, 013, 016Gerilim / Voltage  
(Volt)**12/24**Ölçü / Dimension  
(mm)**6x4x17,5**

F 000 LD0 700

**FIAT** PALIO

Takım Sipariş Kodu / Set Order Code	Özellikler / Properties	Motor Numarası / Unit No.	Araç Modeli/Vehicle Model
<b>RX 89-90-0</b> 1 958197  <p>R 89 R 90-0</p>	<b>1-R 89/0</b> <b>1-R 90/0</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>8x5x13,2</b>	1100600-68	<b>CHEVROLET</b>
<b>RX 103</b> 1 971 521 	<b>2-R 103</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>8x5x13,2</b>	10 SI, 27SI	<b>OPEL</b> <b>PONTIAC</b> <b>CHEVROLET</b>
<b>RX 103 F</b> DR 702 	<b>2-R 103 F</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>8x5x13,2</b>	34 72 002, 4, 8, 14, 18, 22-24, 26-28, 32, 33 035, 37, 38, 42, 48-53, 57-62, 65-68	<b>OPEL</b>
<b>RX 106</b> 187 6873 	<b>2-R106</b> Gerilim / Voltage (Volt) <b>12</b> Ölçü / Dimension (mm) <b>8x5x24</b>	27 SI 200	<b>CHEVROLET</b>

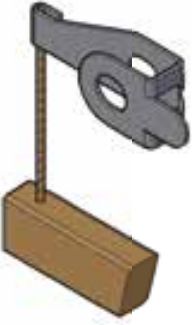


Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

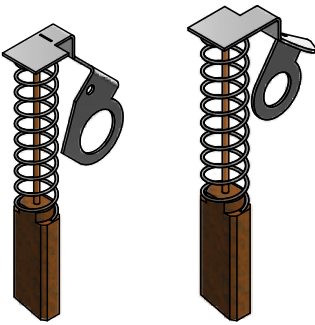
**RX 117**1995564  
10467935  
1894564**YENİ - NEW****2-R117**10 SI 116,136  
15 SI 116  
1105586  
1117839, 7880, 7885, 7886, 7887, 7890Gerilim / Voltage  
(Volt)**12/24**Ölçü / Dimension  
(mm)**6x5x22**CATERPILLAR  
FORD CUMMINS  
MACK  
VOLVO**RX 119****YENİ - NEW****2-R119**

15 SI - 17 SI all units

Gerilim / Voltage  
(Volt)Ölçü / Dimension  
(mm)**8x5x21**BUICK  
CHEVROLET  
GMC  
OLDSMOBILE  
PONTIAC  
CADILLAC**RX 132-133**1989661  
1989660**YENİ - NEW**

RX 132

RX 133

**1-R132  
1-R133**CS 121,130  
1101196,1199,1551  
3472171Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x5x22,5**OPEL CORSA  
KADETT  
VECTRA  
RECORD  
OMEGA  
RENAULT**RX 140-141****YENİ - NEW**

RX 140

RX 141

**1-R140  
1-R141**CS 130D  
10479214,15  
10479981,84  
10480052,71,187-190Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x4,5x22**OPEL  
CHEVROLET  
SAAB  
VAUXHALL

Takım Sipariş Kodu / Set Order Code

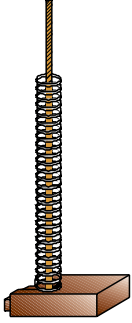
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**A 125**

7 970 745/1


**2-A 125**

 Gerilim / Voltage  
(Volt)

**12**

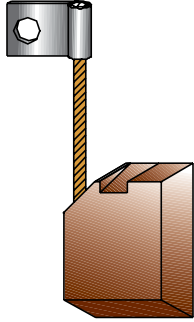
 Ölçü / Dimension  
(mm)

**7,2x4,2x17,5**

 633 200 01-08, 10, 12, 13, 15-18, 20-32, 34, 35, 37, 40  
42, 44-58, 60, 63, 73, 82, 83, 91, 94, 96, 97  
201 00 02, 05, 10-14, 18, 19, 21, 22, 26-32  
210 00 11, 13, 15-17, 19-25, 27-29, 31, 33, 35-37  
39-42, 44-50, 52, 55, 56, 58-63, 67, 68, 70-73  
77-80, 82-84, 86-88, 90, 91, 95-99  
211 00 14, 16, 17, 23, 26, 29, 36-38, 41, 46, 49-59  
61-63, 65, 67-76, 80, 81, 83, 88-91, 96-99

**FIAT**  
**TÜRK TRAKTÖR**  
**FORD**  
**ANADOL**  
**OTOKAR** MAGIRUS  
**OTOYOL IVECO**  
**RENAULT**  
**BMC**  
**LEYLAND**  
**M. FERGUSON**
**JX 16**

4 042 681


**2-J 16**

 Gerilim / Voltage  
(Volt)

**12**

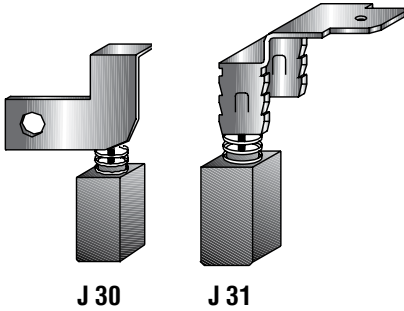
 Ölçü / Dimension  
(mm)

**7x19x26**

D115/12, 4158027, 4153104, 407539

**FIAT** 1800, 2100  
TRAKTÖR / TRACTOR

**JX 30-31**

 4 190 088  
4 190 090

**J 30**
**J 31**
**1-J 30**
**1-J 31**

 Gerilim / Voltage  
(Volt)

**12/24**

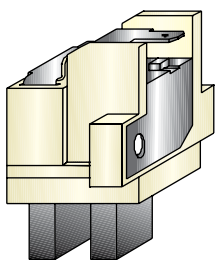
 Ölçü / Dimension  
(mm)

**8x5x16/14,5**

 633 030 00, 01, 30, 41, 61  
633 031 20, 30, 40, 50, 91  
633 032 00, 13, 20, 22, 23, 40, 80, 82, 90  
633 033 20, 31, 50, 60, 80, 91  
633 034 00, 09, 20, 29  
633 035 00, 20, 30, 50, 70  
633 040 03, 20, 23, 40, 50, 75, 79, 81-83, 87, 90  
633 041 00, 20  
633 042 01, 21, 31  
633 048 00, 30, 40, 70, 80, 90

**CHRYSLER**  
**FIAT**  
**FORD**  
**OTOYOL**  
**IVECO**  
**RENAULT**  
**M. FERGUSON**  
**SEAT**
**JX 30-31 S**

749 904 31


**1-J 30-31 S**

 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**8x5x16,5/14,5**

 A12M-124-12-42/-42B/-42M/-42X/-47/-57B  
A12M-124-24-26/-26D/-26M  
A124-14V-44A/-60A  
A124-28V-26A  
633 030 00, 01, 30, 41, 61  
633 031 20, 30, 40, 50, 91  
633 032 00, 13, 20, 22, 23, 40, 80, 82, 90  
633 033 20, 31, 50, 60, 80, 91  
633 034 00, 09, 20, 29  
633 035 00, 20, 30, 50, 70  
633 040 03, 20, 23, 40, 50, 75, 79, 81-83, 87, 90  
633 041 00, 20  
633 042 01, 21, 31  
633 048 00, 30, 40, 70, 80, 90

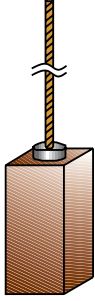
**CHRYSLER**  
**FIAT**  
**FORD**  
**OTOYOL**  
**IVECO**  
**RENAULT**  
**M. FERGUSON**  
**SEAT**

Takım Sipariş Kodu / Set Order Code

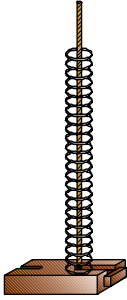
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JX 42**7970502.1  
7970745.1**2-J 42**Gerilim / Voltage  
(Volt)**12/24**Ölçü / Dimension  
(mm)**7,2x4,2x17/16,5**633 200 01-08, 10, 12, 13, 15-18, 20-32, 34, 35, 37, 40, 42  
633 200 44-58, 60, 63, 73, 82, 83, 91, 94, 96, 97  
633 201 00, 02, 05, 10-14, 18, 19, 21, 22, 26-32  
633 210 00-11, 13, 15-17, 19-25, 27-29, 31, 33, 35-37  
633 210 39-42, 44-50, 52, 55, 56, 58-63, 67, 68, 70-73  
633 210 77-80, 82-84, 86-88, 90, 91, 95-99  
633 211 00-14, 16, 17, 23, 26, 29, 36-38, 41, 46, 49-59  
633 210 61-63, 65, 67-76, 80, 81, 83, 88-91, 96-99FIAT PANDA  
LANCIA**JX 43**

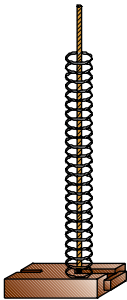
542 029 06

**2-J 43**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**7x4x22/20**540 220, 221-226  
540 227 06  
632 212, 213 13, 97  
632 214 05, 06, 12  
633 241 45, 57, 58, 61, 88, 98, 99  
633 242 00...  
633 243 08...  
633 244 00, 02-04, 06-09, 11, 18

FORD SIERRA

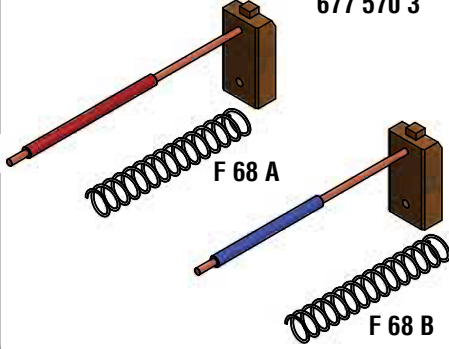
**JX 44**

836 225 20

**2-J 44**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**7x4x19/17,5**633 212 00, 04, 05, 33-35, 40, 52, 61, 70, 75-78, 80-83, 87, 92  
633 213 00, 10, 11, 15, 16, 21, 28, 30-33, 40, 43-47, 49, 51-55,  
61, 62, 67, 90, 91, 96, 98  
633 214 01, 02, 18, 19, 23, 26, 31, 53, 61, 62, 65, 66, 73  
633 216 00-13, 15-18, 20, 25, 26, 29-32, 40, 41, 55, 60, 61,  
63, 71  
633 412 40  
633 413 21, 33, 43-47, 51-54  
633 414 66  
633 416 41, 71FIAT  
LANCIA

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**FX 67**
**F1DU-10260-AA  
F1DZ-10347-A**
**YENİ - NEW**

**2-F 67**
**Gerilim / Voltage  
(Volt)**
**12**
**Ölçü / Dimension  
(mm)**
**7,5x4x18**
**FORD** RANGER  
MONDEO  
**MAZDA** B2500  
**LINCOLN** MERCURY

**FX 68**
**502 680 6  
677 569 9  
677 570 3**

**FO 0681**
**1S7T1-10300-BA, BC, CB, CC, CD, DB, DC, DD  
2S6T-10300-AA, FA  
2T1U-10300-AF, AG, CA, CB  
3S6T-10300-AA  
TC10-10300-EA  
YC1U-10300-EA**
**1-F 68 A  
1-F 68 B**
**FORD** CONNECT  
**FOCUS**  
**FIESTA**
**Gerilim / Voltage  
(Volt)**
**12**
**Ölçü / Dimension  
(mm)**
**8,2x4,5x17,3**

Takım Sipariş Kodu / Set Order Code

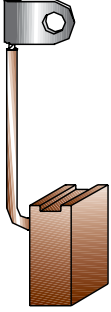
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JAAX 12**

L119N-1361



2-JAA 12

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

8x6x19

DATSUN  
SUNNY  
DAIHATSU

**JAAX 19**

L 123-1326  
L 125-1326



2-JAA 19

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

6x7x16,5

NISSAN SUNNY B10  
DATSUN BLUEBIRD  
410, D. BUS  
FORKLIFT H20- PU

**JAAX 20**

L120-5326/  
5327



2-JAA 20

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

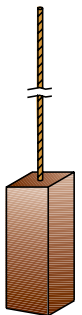
7x5x18/16,5

LR135105, 35106, 35107, 35115, 35116, 35121, 35126  
35127, 3531, 3532, 3541B, 3558, 3574, 3586B, 3591  
40128, 40132, 40133, 40408, 40415B, 45701, 45701E  
50101B, 50125B, 50132, 50151, 50151B, 50401  
50410CA, 50419B, 50421, 50423, 50428, 50430C  
50431, 50432, 50434B, 50441, 50444B, 5098B, 5099  
5516B, 5516P, 5520, 5523, 60104, 60121, 60124, 60138  
60139, 60151, 60154, 60159, 60412, 60422B, 60427C  
60427T, 6042B, 60440, 60441, 60708, 60710, 6082  
6082B, 6084, 6084B, 6093, 65708, 65708B, 65708C  
7002, 7010, 7021, 70402B, 70402C, 70402E, 70404B  
70405, 70407T, 70411, 70412T, 70417C, 70419, 70419B  
70420, 70420B, 70421, 70710B, 70738, 70738B  
70738C, 70738E, 70744, 80705B, 80708, 80724, 90706  
90707B, 90711  
LR22026, 25403, 25407, 25408, 25408B, 2565B, 2565E  
2565P, 35402

DATSUN  
NISSAN

**JAAX 32**

L150-23251  
23252



2-JAA 32

Gerilim / Voltage  
(Volt)

12

Ölçü / Dimension  
(mm)

5x7x21,5/20,5

LR140119C, 40125C, 40402, 50133E, 50135E, 50136B  
50136C, 50136E, 50147C, 50148C, 50162, 50193  
50199, 50201, 50201B, 50202, 50204, 50205B  
50206, 50211B, 50212, 50212B, 50218, 50402  
50402C, 50410C, 50410F, 50428E, 50428T, 50430T  
50439, 50439B, 5079H, 5098, 60107B, 60108B  
60131, 60134B, 60135B, 60137, 60143B, 60144  
60146B, 60147F, 60148F, 60152F, 60164, 60401  
60401C, 60412B, 60414, 60417, 6067B, 6067E  
6067H, 60715, 6092C, 6096B, 6096C, 65704, 65707  
65707B, 7022, 70402, 70404, 70406, 70406B, 70406C  
70407, 70407E, 70408, 70408C, 70408T, 70411B  
70415B, 70415C, 70417B, 70422, 70422B, 70701B  
70715, 70715B, 70734B  
LR22586B, 3565S, 3580

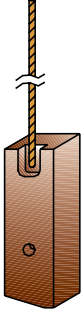
ISUZU  
MAZDA

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JAAX 37**L170-2325  
L170-4325**2-JAA 37**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x5x26,5/25****MAZDA  
NISSAN**



Takım Sipariş Kodu / Set Order Code

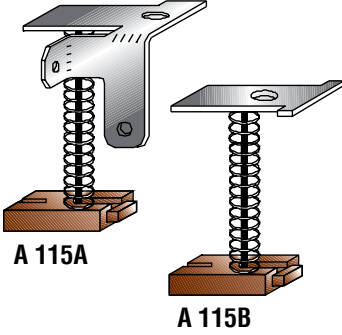
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**A 115**

542 034 53  
542 040 29



**1-A 115A**  
**1-A 115B**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

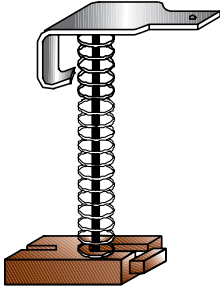
**7x4x22/20**

23983-86, 96-99  
24020, 23-28, 34-38, 49, 51-54, 58, 59, 61-72, 79, 82, 83  
85-90, 94-96, 98, 99  
24112, 14-19, 28, 31-37, 44, 47, 49, 51, 53, 64-66, 70  
77-85, 89-92  
24204, 10, 11, 37

**BMC**  
**LEYLAND,** GENOTO  
**CHRYSLER** TRAKTÖR/  
TRACTOR  
KAMYON/TRUCK  
**FORD** TRANSIT KAMYONET  
**RENAULT**  
**FIAT**  
**TÜMOSAN**  
**LUCAS**  
**TÜRK** TRAKTÖR / TRACTOR  
**UNIVERSAL**  
TRACTÖR / TRACTOR  
**UZEL**

**A 127**

542 029 06



**2-A 127**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

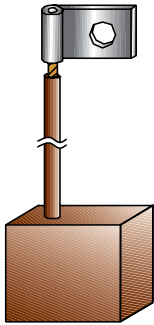
**7x4x20**

540 220 53, 54, 57, 58  
221 30, 42, 47, 48, 60, 64, 67, 83, 86-88, 95-98  
222 00, 12, 19, 24-28, 32, 34, 36, 38, 41-43, 51, 62, 64-66, 75, 80  
81, 86, 90, 91, 95  
223 01, 07, 10, 13, 14, 17, 18, 22, 23, 30, 35-37, 40, 42, 48, 49  
53, 74, 75, 77-79, 82-85, 88-92, 94, 95, 97, 98  
224 02, 08, 10, 15, 18-20, 25, 26, 28, 31, 32, 36, 37, 39, 45-47  
50, 52, 58, 59, 74, 81, 83, 95  
225 10, 14, 17, 25, 28-32, 36, 52, 54, 55, 60, 61, 64, 67, 70, 72  
74, 75, 78, 80-86, 88-93, 95-99  
226 00-04, 08, 11, 17, 21-39, 41, 43, 46-56, 62-65, 68, 69, 73-84  
86, 87, 89, 90, 92-96, 98  
227 06  
633 241 45, 57, 58, 61, 88, 98, 99  
242 00, 02, 05, 06, 08, 09, 16, 17, 20, 21, 30, 31, 33, 35, 40, 42, 45  
56, 57, 60, 62, 64, 71, 73, 74, 76, 77, 86, 88-91, 93-96, 98, 99  
243 08, 11, 16, 18, 22, 27, 32, 34, 38, 74, 80, 84, 85, 87, 90, 98, 99  
244 00, 02-04, 06-09, 11, 18

**BMC** LEVEND  
MİNİBUS / VAN,  
KAMYONET/ TRUCK  
**NISSAN**HD  
**FATİH** KAMYON / TRUCK  
**FORD** ESCORT, TRANSIT

**LAX 9**

227 305



**2-LA 9**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

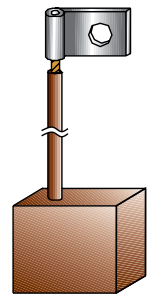
**6,35x19,05x15,9**

C39P, PV, V, ZV, XV

**AUSTIN**  
**BEDFORD**  
**BMC**  
**FORDSON**  
TRAKTÖR / TRACTOR

**LAX 23**

227 541



**2-LA 23**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**5,5x19,05x18,2**

C40PV, -1  
22700, 3-5, 13, 15, 16, 18, 19, 32, 33, 35, 42, 44, 47-49  
55, 57, 63, 65-67, 71, 72, 75, 79, 80, 85-91

**M.FERGUSON**  
**COMMER**  
**ANADOL**

Takım Sipariş Kodu / Set Order Code

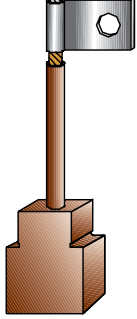
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**LAX 29**

542 163 61


**2-LA 29**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

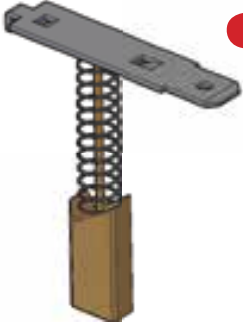
**5,5x17,4x23**

 C40-T, 22762  
22756, 58, 61, 62, 64, 69, 83, 92

**FORDSON** 2000-3000-5000  
TRAKTÖR / TRACTOR

**LAX 30**

 54215076  
ULB 109  
54214363

**YENİ - NEW**

**2-LA 30**

 Gerilim / Voltage  
(Volt)

**12**

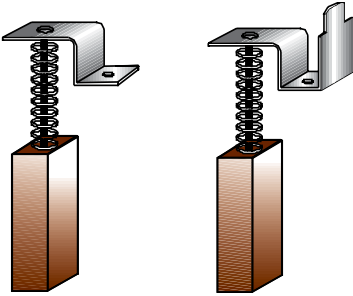
 Ölçü / Dimension  
(mm)

**7,9x4,6x17,9**

 10AC, 11AC  
23504, 07, 17-19, 21-30, 32-41, 43, 49, 51,  
53, 58, 77, 78, 88  
23601  
23710

**LAX 31-32**

542 193 68



LA 31

LA 32

**1-LA 31  
1-LA 32**

 Gerilim / Voltage  
(Volt)

**12**

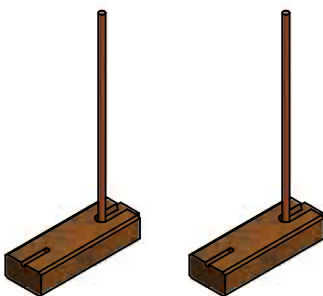
 Ölçü / Dimension  
(mm)

**4,6x4,6x12,7**

 23562, 63, 65-70, 72, 73, 75, 76, 81-85, 89-93, 97-99  
23600, 2-6, 9-20, 22-27, 29-32, 34-56, 58-68, 73-80  
82, 85-87, 90-99  
23700-9, 11-19, 21-23-31, 34-43, 45-48, 50-71  
73-86, 93-99  
23800-20, 22-28, 30-33, 35, 37-57, 59-65, 67-69  
71-74, 76-86, 88-99  
23900-58, 61-64, 67, 68, 72-74, 80, 87-95  
24012-19, 22, 29-33, 44, 45, 48, 73  
24103, 8, 39, 40

**FORD  
BEDFORD  
JAGUAR  
ROVER**
**LAX 80-81/0**

606 007 80



LA 80

LA 81/0

**1-LA 80/0  
1-LA 81/0**

 Gerilim / Voltage  
(Volt)

**12**

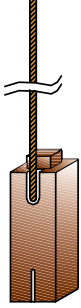
 Ölçü / Dimension  
(mm)

**7x4x22/20**

 23983-86, 96-99  
24020, 23-28, 34-38, 49, 51-54, 58, 59, 61-72  
79, 82, 83, 85-90, 94-96, 98, 99  
24112, 14-19, 28, 31-37, 44, 47, 49, 51, 53  
64-66, 70, 77-85, 89-92  
24204, 10, 11, 37  
A115/133

**BMC  
LEYLAND GENOTO  
CHRYSLER TRAKTÖR/  
TRACTOR  
KAMYON/TRUCK  
FORD TRANSIT KAMYONET  
RENAULT  
FIAT  
TÜMOSAN  
LUCAS  
TÜRK TRAKTÖR  
UNIVERSAL  
TRACTOR / TRACTOR  
UZEL**

Takım Sipariş Kodu / Set Order Code

**LAX 82****542 029 06**Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**2-LA 82**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**7x4x22/20**

540 220 53, 54, 57, 58  
 221 30, 42, 47, 48, 60, 64, 67, 83, 86-88, 95-98  
 222 00, 12, 19, 24-28, 32, 34, 36, 38, 41-43, 51, 62, 64-66, 75, 80  
 81, 86, 90, 91, 95  
 223 01, 07, 10, 13, 14, 17, 18, 22, 23, 30, 35-37, 40, 42, 48, 49  
 53, 74, 75, 77-79, 82-85, 88-92, 94, 95, 97, 98  
 224 02, 08, 10, 15, 18-20, 25, 26, 28, 31, 32, 36, 37, 39, 45-47  
 50, 52, 58, 59, 74, 81, 83, 95  
 225 10, 14, 17, 25, 28-32, 36, 52, 54, 55, 60, 61, 64, 67, 70, 72  
 74, 75, 78, 80-86, 88-93, 95-99  
 226 00-04, 08, 11, 17, 21-39, 41, 43, 46-56, 62-65, 68, 69, 73-84  
 86, 87, 89, 90, 92-96, 98  
 227 06  
 633 241 45, 57, 58, 61, 88, 98, 99  
 242 00, 02, 05, 06, 08, 09, 16, 17, 20, 21, 30, 31, 33, 35, 40, 42, 45  
 56, 57, 60, 62, 64, 71, 73, 74, 76, 77, 86, 88-91, 93-96, 98, 99  
 243 08, 11, 16, 18, 22, 27, 32, 34, 38, 74, 80, 84, 85, 87, 90, 98, 99  
 244 00, 02-04, 06-09, 11, 18

**BMC-LEVEND,** MİNİBÜS/  
 VAN, KAMYONET/ TRUCK  
**NISSAN** HD  
**FORD** ESCORT  
 TRANSIT

Takım Sipariş Kodu / Set Order Code

 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JAAX 16**

A648 C005 70


**2-JAA 16**

A2T41191, AG2035A

**MAZDA  
NISSAN**

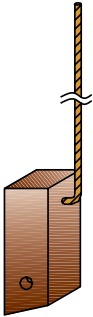
 FAMILIA  
SUNNY, VAN

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x7x14**
**JAAX 24**

 A647 X007 71  
A647 X107 71

**2-JAA 24**

A1T03476, A1T23874, A1T25077, A1T32084, A1T32099

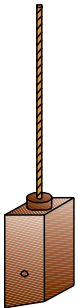
**MITSUBISHI  
MAZDA  
DATSUN  
NISSAN**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x6x19,5/18,5**
**JAAX 25**

 A648 C004 71  
A648 C012 70

**2-JAA 25**

AP2040T, LT12524

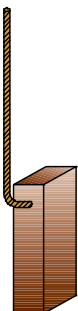
**MAZDA  
MITSUBISHI  
NISSAN**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x7x18/17**
**JAAX 31**

 A648 D019 70  
A648 D019 71

**2-JAA 31**

 A2T24884, A2T70772, A2T72186, A2T72188, A2T72189  
A2T72383  
A4T57986, A4T65988

**MITSUBISHI  
MAZDA**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x6x23**

Takım Sipariş Kodu / Set Order Code

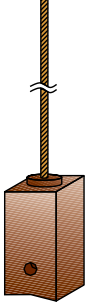
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JAAX 34**

A648 C029 70  
A648 D025 70  
A648 D025 71

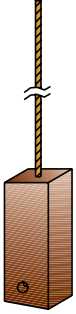
**2-JAA 34**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x5x18/16,5**

A1T 01791, 02091, 02674, 02674D, 03191, 03292, 03672, 03872  
03972, 04072, 04172, 04272, 04572, 40391, 40891,  
00991, 01384, 01483, 01683, 01783, 02271, 02394,  
02394B, 02577, 02671, 02977, 03171, 03477, 03591,  
03691, 04191, 04277, 04677, 05772, 05772X, 05892,  
05892A, 05892B, 06577, 06991, 08577, 09291, 09392,  
09493, 09691, 09792, 13571, 17783, 18476, 28976  
34477, 36478, 40571B, 41677, 41791, 41991, 42571,  
42599, 42599A, 42777, 43099, 43472, 43791, 43891,  
44991, 45272, 45799, A, 45877, 46591, 46871, 47371,  
47474, 47974, 48195, A, B, 48292, 48298, 48472,  
48691, 48791, 49476, 49977, 80591, N0499, 00692  
A3T 00792, 03099, 03392, 03393, 03493, 04177, 08183, 11678  
A4T02891A  
A5T 00877, 03092, 03192, 16471, 22877, 22971, 22997, 22997B  
30574, 30871, 30977, 31671, 32277, 32571, 41271, 41477  
41592, 41592B A7T00191, A7T30371

**MAZDA  
MITSUBISHI  
NISSAN  
SUBARU**

**JAAX 36**

A648 D027 70  
A648 D038 70

**2-JAA 36**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x5x23/21,5**

A1T03392, A1T06191

**MAZDA  
MITSUBISHI  
NISSAN  
RENAULT**

**Takım Sipariş Kodu / Set Order Code**
**JAAX 9**
**21660-0130**

**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**2-JAA 9**

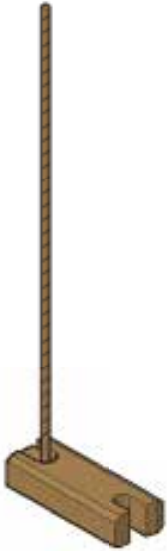
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**5x8x18/16,5**

 0210000320, 0431, 0980, 1010, 1011, 1012, 1590, 1840  
 2970, 3001, 4510, 4550, 5080, 5081, 5150,  
 5250, 5450, 5600, 6110, 6370, 6420, 6611,  
 6612, 6640, 6710, 6900, 6940, 7250, 7260,  
 7320, 7911, 7920, 7931, 7971, 7990, 8011,  
 8020, 8021, 8030, 8140, 8231, 8250, 8270,  
 8271, 8310, 8400, 8620, 8910, 9040, 9061,  
 9091, 9100, 9120, 9130, 9260, 9770  
 1002100442, 1391, 1400, 1401, 1450, 1531, 1601  
 1002110140, 10142, 10291, 10320, 10322, 10440, 10560  
 10680, 30610  
 2702056100, 96601  
 2706063010

**HONDA**
**JAAX 28**
**21660-0330**
**YENİ - NEW**

**2-JAA 28**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x5x22,5/20,3**

 27371-44070, 44070  
 100211-0090, 0100, 0101  
 4057936, 4057937, 4240430, 4339474, 4339742, 4439474,  
 5206265, 5206270, 5212190, 5213049, 5213080, 5213085,  
 5213190, 5213295, 5213590, 5213645, 5226742  
 28100-25021-000, 28100-26080-000  
 31200-657-016  
 14685-63013, 15201-63011, 15321-63015, 15321-63016,  
 15331-63011, 15331-63012  
 3874-18-400, 3876-18-400, 8495-18-400, 8497-18-400, 8682-  
 18-400  
 32991-8700, 32991-8710, 42991-7200, 82991-4110, 82991-  
 4120, 82991-6100  
 28100-24030, 28100-24031, 28100-25010, 28100-25011,  
 28100-25013, 28100-25031, 28100-25032, 28100-26020-84,  
 28100-26021, 28100-26022, 28100-26080, 28100-33020,  
 28100-33020, 28100-34070, 28100-36020, 28100-36050,  
 28100-36051, 28100-40060, 28100-40061, 28100-41010,  
 28100-41011, 28100-41012, 28100-41013, 28100-41020,  
 28100-41030, 28100-42010, 28100-42011, 28100-42020,  
 28100-42021, 28100-42030, 28100-60010, 28100-60040,  
 28100-60041, 28100-60042, 28100-60060, 28100-60061,  
 28100-60062

**DAIHATSU**  
**TOYOTA** CORONA  
 CELICA  
 CROWN  
**CHRYSLER**  
**DAIHATSU MOTOR CO**
**HONDA**  
**ACURA**  
**KUBOTA**  
**MAZDA**  
**SUBARU** TOYOTA

**JAAX 33**
**21660-0311**  
**21660-0530**

**2-JAA 33**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x5x28,5/26**

 0210000013, 0041, 0720, 0731, 0740, 0830, 0850, 0930  
 0950, 1290, 1480, 1770, 8830, 9881, 9960  
 1002101573, 1961, 2130, 2210, 2221, 2250, 2251, 2280  
 2290, 2302, 2343, 2600, 2620, 2650, 2660  
 2700, 2710, 2720, 2750, 2760, 2840, 2860  
 2861, 2960, 2980, 3270 3280, 3350, 3360  
 3400, 3460, 3680, 3720, 3730, 3760 3770  
 1002130080, 0130, 0151, 0231, 0300, 0520, 0750, 0760  
 0770, 0800, 0950, 1120, 1210, 1290, 1500  
 1210001480, 2702068040, 2703057091

**ISUZU**

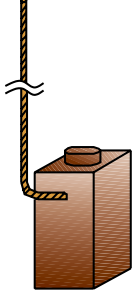


Takım Sipariş Kodu / Set Order Code

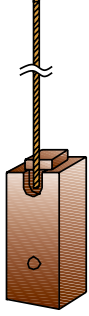
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JAAX 35**21660-0390  
21660-0510**2-JAA 35**0210000580, 0210002500  
1002103070...1002131910  
1012110040, 0060, 0070, 0240, 0340, 2230, 3860, 7920  
102116600, 6720, 6721  
23700KA160  
31100PH70040  
3140060B11, 60B30, 60B4, 60B40, 80E00, 82610, 82611  
83010, 86010, 86510Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**5x7x15/14****TOYOTA**COROLLA  
CORONA  
CARINA  
CELICA**JAAX 38**

21660-0370

**2-JAA 38**A1T06291  
A2T 01976, 02084, 04578, 10083, 11473, 13894, 14876  
18479, 18792, 18976, 27594, 27594A, 27883, 49577  
00599, 01877, 01877A  
A3T 01877B, 04999, 76682  
A4T03191  
A5T01577, A5T02477, A5T03477Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x5x22/19,5****TOYOTA**CORONA  
CROWN**MITSUBISHI**

L300

**HYUNDAI**

H 100

**MAZDA**

323, 626

Takım Sipariş Kodu / Set Order Code

**PLX 10**

443 930 132 780

**YENİ - NEW**Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**2-PL 10**

443113516021, 16030, 16121, 16180, 16181

**SKODA** FAVORIT  
FELICIA  
**JOHN DEERE**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6,3x6,3x15**

Takım Sipariş Kodu / Set Order Code

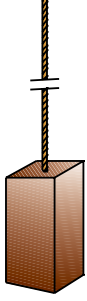
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**UX 79-80/0**

608 272



**1-U 79/0**  
**1-U 80/0**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

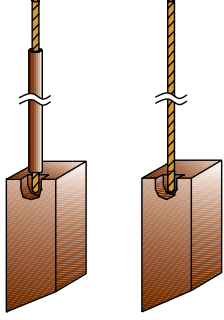
**6x4,5x15**

7526C, 27BC, 28C, 29BDEF, 30B, 31B, 33BCD  
7535B, 38A, 40ABC, 41ABC, 43AB, 45A, 48A, 49ABCDE,  
7550ABCDE, 51B, 52ABCD, 53AB, 54A, 55AB, 56BC,  
7557AB, 58ABC, 60ABC, 62ABCDE, 63AB, 65ABCDE,  
7566ABC, 67ABCDE, 68ABC, 69ABC, 70AB, 71ABC, 72A,  
7575ABCDE, 76A, 77ABCDE, 78ABC, 79A, 80ABC, 81AB,  
7582A, 83A, 84BC, 85ABC, 86ABCD, 90ABC, 91ABCD,  
7593A, 96ABCD, 97ABCD,  
512 001A, 2AB, 3AB  
513 001A, 2A, 3AB, 4A, 5A, 8ABC, 9AB, 10A,  
515 001A, 2AB, 3ABC, 4AB, 5A,  
581 003A, 6A, 9AB, 10A, 13AB, 17A, 89A,  
618 442C, 43DEF, 44CD, 45B, 46ABCD, 47BC, 48AB,  
618 449ABCD, 50AB

PEUGEOT

**PX 52-54**

075411



P 52

P 54

**1-P 52**  
**1-P 54**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**7x5x19**

A11M3-7, 9-14; A11R1-3  
A12M1-3, 5-10, 18  
A12R1-6, 8-14, 19-21, 23, 26-28, 47-49  
A13M2-9, 11-17  
A13R63, 73T, 74, 78T, 80T-90T, 92, 95-99,  
A13R63104, 105, 115-117, 119-121, 123-129, 131-134,  
135T, 136-138, 139T, 140, 141, 143-145, 149-154,  
156, 157, 159, 160, 162T, 163T, 166, 167, 169-172T,  
174-180, 183-191T, 194-196, 198, 199, 202, 205,  
210, 212, 213, 215, 219, 223-225, 235, 261, 265

PEUGEOT  
PEUGEOT KAMYON/TRUCK  
RENAULT

**PX 60**

300722



**2-P 60**

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

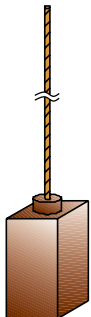
**6,35x4,6x15,4**

A12R35T, 57, 58, 351T  
A13N51, 69, 76  
A14N19, 37  
A14R34T, 54T, 341T, 541T-543T

RENAULT 9, BRODWAY  
MEGANE, CLIO

**SVX 7/9**

300 821



**2-SV 7/9**

Gerilim / Voltage  
(Volt)

**12/24**

Ölçü / Dimension  
(mm)

**6,4x4,6x14,5**

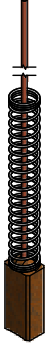
Motorolla 2518032-452, 2940020-930,2941095-447,  
9AL2502K  
SEV 7120...7199...  
Valeo/PR A11Vi  
Valeo/PR A12M9, A12R22 ,PR A13E...PR A13N1M...PR  
A13N29-32...  
PR A13N52...PR A13N104...PR A13N139...PR  
A13N152M...  
PR A13N175-183...PR A13R aus AK 2000, PR  
A13V2, 5, 7  
PR A13Vi...PR A14N1...PR A14N36...PR A14N71...  
PR A14N99...PR A14N116M...PR A14N128...  
PR A14N196M, 206M

PEUGEOT  
RENAULT  
FUEGO  
PORSCHE  
SAAB  
VOLVO

Takım Sipariş Kodu / Set Order Code

**SVX 10**

2521679E

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

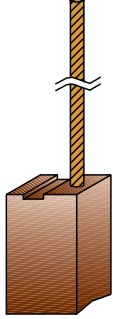
**2-SV 10**FLEX SECTION 0,5 mm<sup>2</sup>  
FLEX LENGTH 80 mm  
A13V/Vi  
A14V/ViGerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6,4x4,6x14,5**



- DİREKSİYON KÖMÜRLERİ / *STEERING WHEEL PUMP BRUSHES*
- FAN KÖMÜRLERİ / *FAN BRUSHES*
- KLİMA KÖMÜRLERİ / *AIR CONDITION BRUSHES*
- SCOOTER VE MOTOSİKLET KÖMÜRLERİ / *SCOOTER AND MOTORCYCLE BRUSHES*
- YÜKSEK BAKIRLI KÖMÜRLER / *BRUSHES WITH HIGH COPPER DENSITY*
- DİĞER KÖMÜRLER / *OTHER BRUSHES*

## ÇEŞİTLİ KÖMÜRLER

## *MISCELLANEOUS BRUSHES*

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**HPIX 1**
**145 110 411 034**

**4-HPI 1**

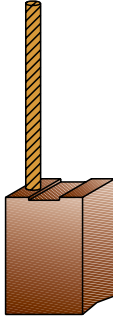
7701470783

**CITROEN** SAXO  
**PEUGEOT** 106  
**RENAULT** KANGOO

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6,95x12,4x20,3**
**HPIX 3**
**141 110 411 037**

**HP 0010  
HP 0011**
**4-HPI 3**
**CITROEN** SAXO  
**PEUGEOT** 106  
**RENAULT** KANGOO

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**5,95x12,4x20**
**HPIX 4**

**4-HPI 4**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**5,45x12,2x22**

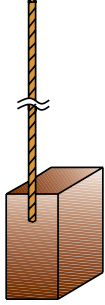


Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

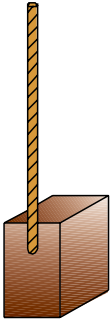
Araç Modeli/Vehicle Model

**MTX 6 Y****3-MT 6 Y**Gerilim / Voltage  
(Volt)**6/12**Ölçü / Dimension  
(mm)**6,4x6,4x13**

SİLECEK / WIPER

**SW 68**

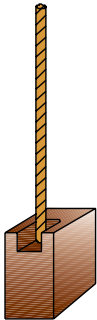
704061-16

**3-SW 68**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6,5x6,5x11**

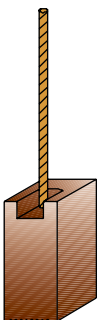
SİLECEK / WIPER

**MEGA 201**

7851780-0

**3-MEGA 201**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6,34x6,34x11,3**

ARKA SİLECEK / REAR WIPER

**MEGA 202**785165-21  
MTE 895 A**2-MEGA 202**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**6,85x8x18**

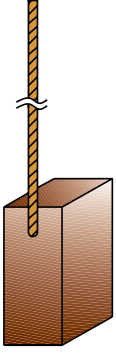
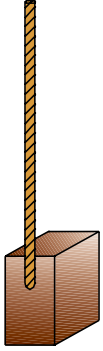
FAN

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

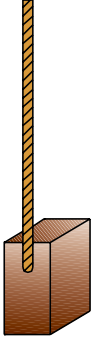
**MEGA 203****2-MEGA 203**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**8x8x19****FAN****MEGA 206****2-MEGA 206**Gerilim / Voltage  
(Volt)**12/24**Ölçü / Dimension  
(mm)**7,3x7,3x13****FAZ**FAN, CAM  
SİLECEK / WIPER  
KLİMA /  
AIR CONDITION

Takım Sipariş Kodu / Set Order Code

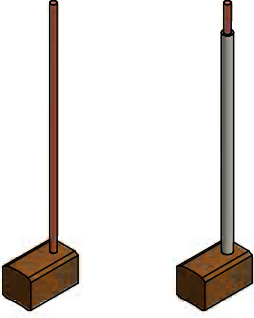
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**MTX 7****2-MT 7**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**7,1x7,1x14**

KLİMA / AIR CONDITION

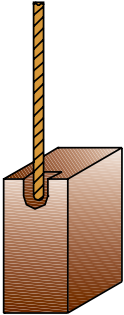
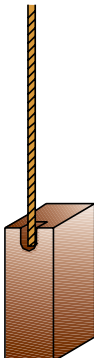
**MEGA 200**

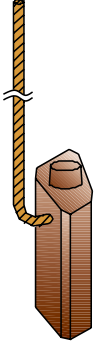
MEGA 200A

MEGA 200B

**1-MEGA 200A  
1-MEGA 200B**Gerilim / Voltage  
(Volt)**12/24**Ölçü / Dimension  
(mm)**6,5x6,5x11**

KLİMA / AIR CONDITION

**MEGA 204****2-MEGA 204**Gerilim / Voltage  
(Volt)**12/24**Ölçü / Dimension  
(mm)**8x8x17**SÜTRAK KLİMA /  
AIR CONDITION**MEGA 205****2-MEGA 205**Gerilim / Voltage  
(Volt)**12/24**Ölçü / Dimension  
(mm)**8x8x22**BAŞKURT KLİMA /  
AIR CONDITION

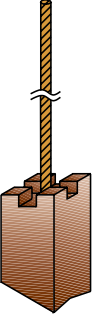
**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli/Vehicle Model**
**MEGA 207**

**2-MEGA 207**

 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**9x7,75x20**
**KONVEKTA** KLİMA /  
AIR CONDITION

**MEGA 208**

**2-MEGA 208**

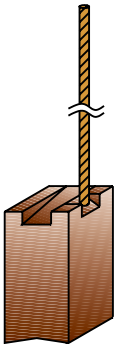
 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**7,9x9,9x22**
**VOLVO  
SCANIA  
DAFF**
**MEGA 209**

3 134 320 341

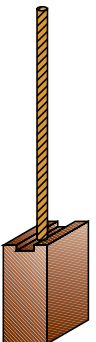

**2-MEGA 209**

 Gerilim / Voltage  
(Volt)

**24**

 Ölçü / Dimension  
(mm)

**8x10x20**
**MERCEDES  
MAN  
KASSBOHRER SETRA  
SÜTRAK** KLİMA /  
AIR CONDITION

**MEGA 210**

**4-MEGA 210**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

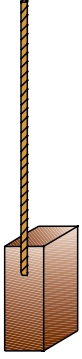
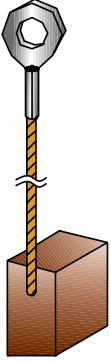
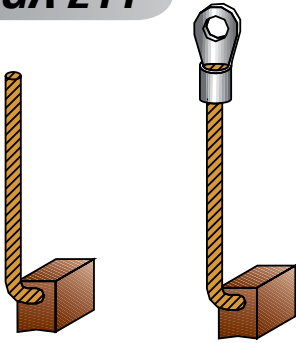
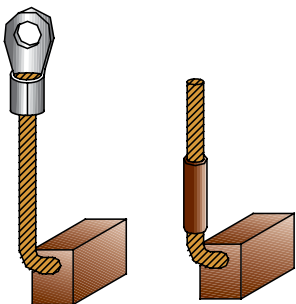
**7,9x8,7x18**
**PEUGEOT** 206,306,307  
KLİMA /  
AIR CONDITION

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

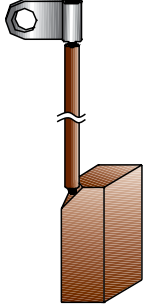
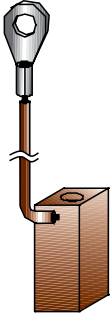
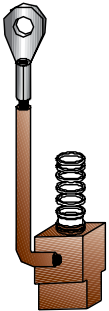
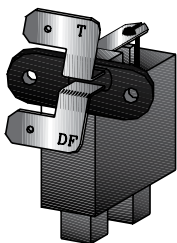
**MTX 4****2-MT 4**Gerilim / Voltage  
(Volt)**6/12**Ölçü / Dimension  
(mm)**6x6x16****MOTOSİKLET /  
MOTORCYCLE****MTX 5****2-MT 5**Gerilim / Voltage  
(Volt)**6/12**Ölçü / Dimension  
(mm)**6,4x8x12,5****MOTOSİKLET /  
MOTORCYCLE****MEGA 211****1-MEGA 211A****1-MEGA 211B****1-MEGA 211A  
1-MEGA 211B**Gerilim / Voltage  
(Volt)**6/12**Ölçü / Dimension  
(mm)**7x6x8****HONDA  
MONDIAL** SCOOTER  
MOTOSİKLET /  
MOTORCYCLE**MEGA 213****MEGA 213 A****MEGA 213 B****1-MEGA 213 A  
1-MEGA 213 B**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**9x6x8****SCOOTER** MOTOSİKLET/  
MOTORCYCLE  
100cc 150cc

Takım Sipariş Kodu / Set Order Code

Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

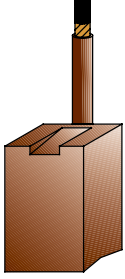
**MEGA 876****2-MEGA 876**Gerilim / Voltage  
(Volt)**6/12**Ölçü / Dimension  
(mm)**7,9x7,9x21****JAWA** MOTOSİKLET /  
MOTORCYCLE**MEGA 877****2-MEGA 877**Gerilim / Voltage  
(Volt)**6/12**Ölçü / Dimension  
(mm)**6x8x19****JAWA** MOTOSİKLET /  
MOTORCYCLE**MEGA 880****2-MEGA 880**Gerilim / Voltage  
(Volt)**6/12**Ölçü / Dimension  
(mm)**6,5x9,8x18,3****JAWA** MOTOSİKLET /  
MOTORCYCLE**MEGA 882 S****1-MEGA 882 S**Gerilim / Voltage  
(Volt)**6/12**Ölçü / Dimension  
(mm)**3,9x5,9x13****JAWA** MOTOSİKLET J - 3,5  
MOTORCYCLE



Takım Sipariş Kodu / Set Order Code

**BSX 102 CU**

2 007 014 053



Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**4-BS 102 CU**

0 001 357 002  
0 001 362 001-9, 11-17, 19  
021-25, 27-30, 32, 33  
9 000 143 400, 2, 4-7, 9

OPEL  
BEDFORD  
MERCEDES 200 D  
HENSCHEL

Gerilim / Voltage  
(Volt)

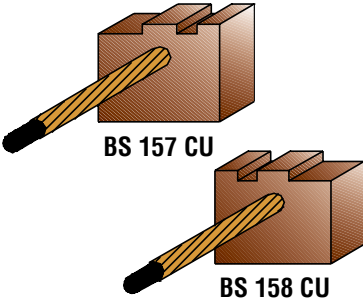
**12**

Ölçü / Dimension  
(mm)

**9x16x25,5**

**BSX 157-158 CU**

1 004 320 110-  
111



**2-BS 157 CU  
2-BS 158 CU**

0 001 109 001-003, 06, 07, 11, 12, 14,  
015, 18, 23, 25, 28, 29, 31  
033-035, 40-45, 47, 61,  
110 001-004, 07, 08, 11-15, 18, 19, 22-24  
026-33, 39-49, 51, 53, 55-67, 70, 71,  
073, 75-80, 81, 83-85, 88-90, 92, 95,  
098-102, 104-07, 10-15, 20, 22-24  
999  
115 001, 002  
124 004, 15  
125 001, 02, 05, 06, 09, 10, 12, 13, 16-19  
021, 22,  
501-04, 07, 08, 12, 13, 17  
602  
F 010 ALO 101

PEUGEOT PARTNER  
CITROEN JUMPER  
VOLVO  
ALFA ROMEO  
BMW 5.40, 7.30i  
7.35i, 7.40i  
FIAT DUNA  
MERCEDES VITO  
SPRINTER  
VOLKSWAGEN  
RENAULT MEGANE  
CLIO 1.9

Gerilim / Voltage  
(Volt)

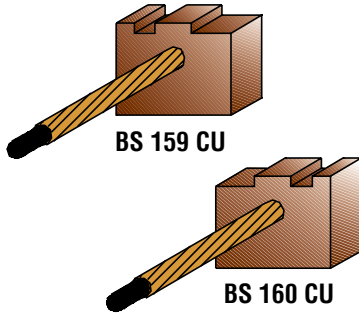
**12**

Ölçü / Dimension  
(mm)

**6x18x14,5**

**BSX 159-160 CU**

1 004 320 113-114



**2-BS 159 CU  
2-BS 160 CU**

1 004 336 806, 11, 12, 16, 23, 32, 37, 50, 59,  
902-04, 07, 11-13, 18, 19, 21-23,  
934-36, 41, 44, 50, 54, 60, 61, 65,  
968, 71, 73, 74, 86, 95, 98  
1 004 320 113, 123, 133, 140, 146, 167,  
224, 226  
1 004 320 114, 124, 132, 141, 147, 168  
225, 227  
0 001 108 001, 02, 05, 09-13, 16-33, 35, 37, 40, 43-48,  
50-54, 56-66, 68, 69, 71-79, 81-100,  
103-12, 15-27, 29, 31-33, 36, 37,  
139-41, 44-54, 56, 58-60, 62,  
168-73, 77, 78, 80-82, 84, 86, 99  
996-999  
111 001-05  
F 010 ALO 101

BMW  
ALFA ROMEO  
MERCEDES  
FORD ESCORT  
MONDEO  
TRANSIT 100  
LADA  
OPEL FRONTERA  
VECTRA  
AUDI A4, A6, A8  
VOLVO

Gerilim / Voltage  
(Volt)

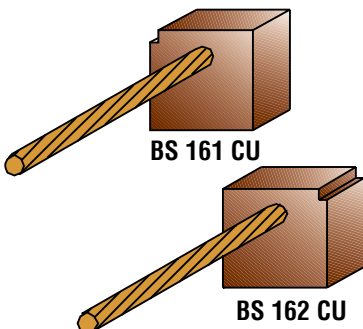
**12**

Ölçü / Dimension  
(mm)

**5x16x11,5/13**

**BSX 161-162 CU**

1 004 320 118-119



**2-BS 161 CU  
2-BS 162 CU**

0 001 106 012, 14, 17, 22-24,  
107 009-12, 14, 17-19, 24, 25-34, 37-40,  
043, 45-48, 52-56, 58, 59, 62-64, 70-75,  
070-75, 77-80, 82, 87-90, 94-98  
121 001-03, 06-09, 16, 17, 19, 22, 23  
9 000 081 001, 04, 06, 07

AUDI A4, A6  
CITROEN  
FIAT DUCATO  
FORD ESCORT  
MONDEO  
OPEL VECTRA  
PEUGEOT 306, 406  
BOXER  
PARTNER  
SEAT CORDOBA  
IBIZA  
TOLEDO  
SKODA OCTAVIA  
VOLKSWAGEN POLO  
GOLF, JETTA

Gerilim / Voltage  
(Volt)

**12**

Ölçü / Dimension  
(mm)

**5x12x11,6**

Takım Sipariş Kodu / Set Order Code

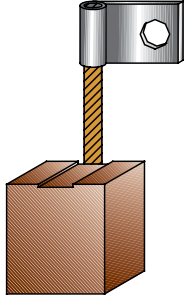
 Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**JSX 16 CU**

411 44 32


**2-JS 16 CU**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x17x19**

 E84-08/12V, Var,1,2,3,6,8  
632 207 00-03,05,06,20,21,23,24,30-33,35,  
632 207 40,41,43,44,46  
632 208 00-04,06,08,30,32,33,34,36  
632 209 31,32,40

**MURAT 124**
**RENAULT**
**TOFAŞ**

DOĞAN

ŞAHİN

**FIAT**
**RENAULT**
**SEAT**

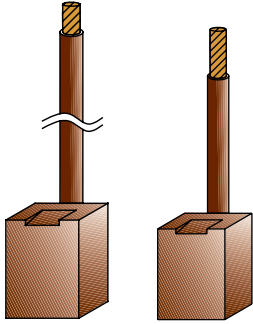
TEMPRA 1.3

12

RONDA

**JSX 21-22 CU**

74 881 151


**JS 21 CU**
**JS 22 CU**
**1-JS 21 CU**
**2-JS 22 CU**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**6x13x17,5**

 E95-0, 9-12  
E95-1, 0-12  
632 213 30, 32-35, 38  
214 30, 31  
215 31, 32, 34, 35, 38  
216 33, 38

**TOFAŞ**
**FIAT**
**FORD**

DOBLO

TAUNUS

SIERRA

CAPRI

TRANSIT

**ANADOL**
**FORD**
**RENAULT**
**PEUGEOT**
**BMW**

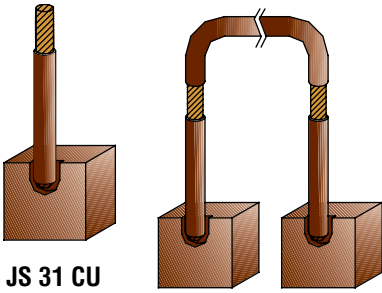
TUZLA

JEEP

9-11

**JSX 31-32 CU**

7 489 438


**JS 31 CU**
**JS 32 CU**
**2-JS 31 CU**
**1-JS 32 CU**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**8x19x18**

 E95R-2, 2-12  
632 218 31  
220 30, 31, 34-36, 38, 39  
221 30, 31, 33-36, 38  
222 04, 07

**FIAT**
**LANCIA**
**ALFA ROMEO**
**BMW**

CROMA

REGATA D

TDI

DUCATO

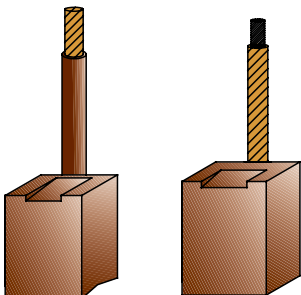
TD

TD

**JSX 35-36 CU**

83 221 191

83 221 201


**JS 36 CU**
**JS 35 CU**
**2-JS 35 CU**
**2-JS 36 CU**

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**7x13x17,5**

 E80-0, 8-12  
E80-1, 0-12  
633 228 31-33, 36-38  
230 31-35

**FIAT**
**TOFAŞ**
**LANCIA**
**RENAULT**

UNO

TIPO

TEMPRA

DOĞAN

KARTAL

ŞAHİN

12

Takım Sipariş Kodu / Set Order Code

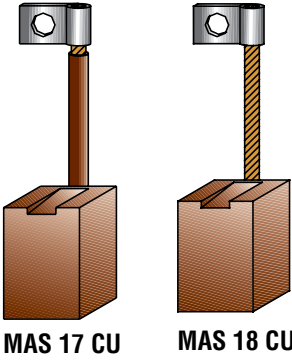
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**MASX 17-18 CU**

72383701-02



2-MAS 17 CU  
2-MAS 18 CU

MT71A, D, E, FA, H, L, LA, N, R, S, T, U, V, Z  
632 171 01, 04-08, 10, 12, 16-21, 25, 38, 47, 73, 82  
632 174 01-05

FORD TRANSIT

Gerilim / Voltage  
(Volt)

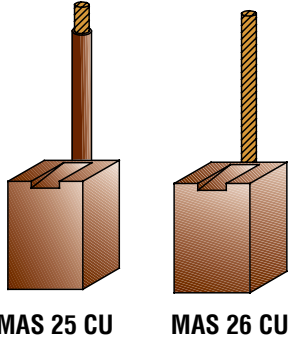
12

Ölçü / Dimension  
(mm)

9x16x23

**MASX 25-26 CU**

721613/01-02



2-MAS 25 CU  
2-MAS 26 CU

MT 71 AB, DB, FB, GB, HB, RB, SB, LA, TA, UA, VA  
MT 74 AA, BA, DA  
632 171 26, 48, 54, 56, 58, 63, 80, 86, 88, 97  
632 174 07, 08, 10, 25, 33, 48

BMC  
LEYLAND  
FIAT  
ALLIS  
TRAKTÖR /  
TRACTOR  
FORD  
GENOTO  
OTOKAR  
STEYA  
UZEL  
M. FERGUSON

Gerilim / Voltage  
(Volt)

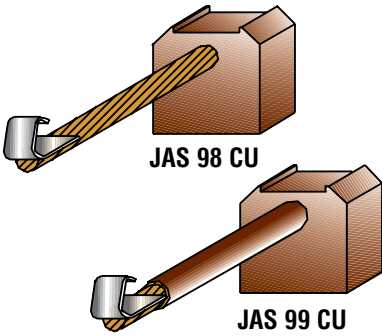
12

Ölçü / Dimension  
(mm)

9x16x23

**JASX 98-99 CU**

ME 700 140



2-JAS 98 CU  
2-JAS 99 CU

MAZDA 8599-24-750  
MITSUBISHI MD618460  
ME700127/ME701188  
NISSAN 23378-W3410

MAZDA  
MITSUBISHI  
NISSAN

Gerilim / Voltage  
(Volt)

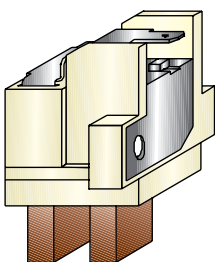
12

Ölçü / Dimension  
(mm)

6,8x18x18

**JX 30-31 S CU**

749 904 31



1-J 30-31 S CU

A12M-124-12-42/-42B/-42M/-42X/-47/-57B  
A12M-124-24-26/-26D/-26M  
A124-14V-44A/-60A  
A124-28V-26A  
633 030 00, 01, 30, 41, 61  
633 031 20, 30, 40, 50, 91  
633 032 00, 13, 20, 22, 23, 40, 80, 82, 90  
633 033 20, 31, 50, 60, 80, 91  
633 034 00, 09, 20, 29  
633 035 00, 20, 30, 50, 70  
633 040 03, 20, 23, 40, 50, 75, 79, 81-83, 87, 90  
633 041 00, 20  
633 042 01, 21, 31  
633 048 00, 30, 40, 70, 80, 90

CHRYSLER  
FIAT  
FORD  
OTOYOL  
IVECO  
RENAULT  
M. FERGUSON  
SEAT

Gerilim / Voltage  
(Volt)

12/24

Ölçü / Dimension  
(mm)

8x5x16,5/14,5

Takım Sipariş Kodu / Set Order Code

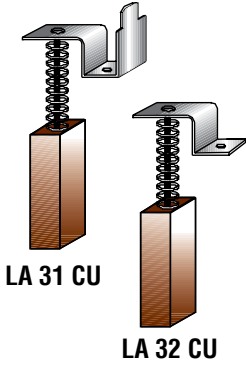
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

**LAX 31-32 CU**

54 219 368

**1-LA 31 CU**  
**1-LA 32 CU**Gerilim / Voltage  
(Volt)**12**Ölçü / Dimension  
(mm)**4,6x4,6x12,7**

15ACR, 16ACR, 17ACR, 18ACR  
23562, 63, 65-70, 72, 73, 75, 76, 81-85, 89-93, 97-99  
23600, 2-6, 9-20, 22-27, 29-32, 34-56, 58-68, 73-80,  
82, 85-87, 90-99  
23700-9, 11-19, 21-23-31, 34-43, 45-48, 50-71  
73-86, 93-99  
23800-20, 22-28, 30-33, 35, 37-57, 59-65, 67-69  
71-74, 76-86, 88-99  
23900-58, 61-64, 67, 68, 72-74, 80, 87-95  
24012-19, 22, 29-33, 44, 45, 48, 73  
24103, 8, 39, 40

**FORD**  
**BEDFORD**  
**JAGUAR**  
**ROVER**

Takım Sipariş Kodu / Set Order Code

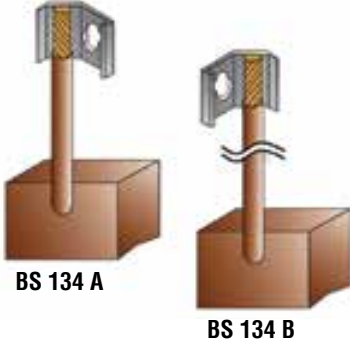
Özellikler  
Properties

Motor Numarası / Unit No.

Araç Modeli / Vehicle Model

**BSX 134**

2 007 014 062



2-BS 134 A  
2-BS 134 B

Gerilim / Voltage  
(Volt)

12

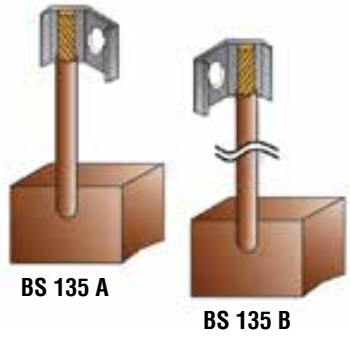
Ölçü / Dimension  
(mm)

10x25x20

IHC PICK-UP 1230  
MERCEDES  
FORD

**BSX 135**

2 007 014 063



2-BS 135 A  
2-BS 135 B

Gerilim / Voltage  
(Volt)

24

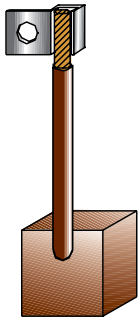
Ölçü / Dimension  
(mm)

8x25x20

MERCEDES 302

**FI 011-012**

5 811 160 260



2- FI 011  
2- FI 012

Gerilim / Voltage  
(Volt)

24

Ölçü / Dimension  
(mm)

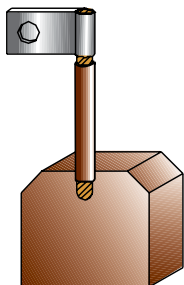
9x19x20

C 240

ISUZU ELF 250  
MICRO BUS

**FI 28**

1 811 260 350



4- FI 28

Gerilim / Voltage  
(Volt)

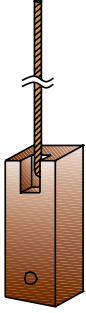
24

Ölçü / Dimension  
(mm)

9x30x27

6QA1, 6RA1, 8PBI, 10PAI, 12PAI, UMDH100M, UM10PBI

ISUZU V8-V10  
KAMYON / TRUCK  
OTOBÜS / BUS

**Takım Sipariş Kodu / Set Order Code**
**Özellikler  
Properties**
**Motor Numarası / Unit No.**
**Araç Modeli / Vehicle Model**
**K-003**
**A648 D027 70  
A648 D030 70  
A990 D030 70**

**2-K 003**

 FE2H-18-W77  
JE15-18-W77  
MD611689  
23135-59E10  
23135-64J12  
23135-V5511  
A4T

 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**5x8x21,5/23**
**KIA** SEPHIA  
CAPITAL  
BESTA

**MAZDA  
MITSUBISHI  
NISSAN  
RENAULT**
**K-004**
**A648 C029 70  
A648 D025 70  
A648 D025 71**

**2-K 004**

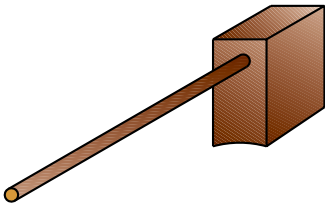
 B675-18-W77  
FE65-24-522  
F811-18-W77  
MD611035  
MD611566  
23135-13E10  
49574-6404

 Gerilim / Voltage  
(Volt)

**12/24**

 Ölçü / Dimension  
(mm)

**5x8x15,5/18**
**KIA** KAMYON / TRUCK

**MAZDA  
MITSUBISHI  
NISSAN  
SUBARU**
**MEGA 212**
**150110008**

**2-MEGA 212**

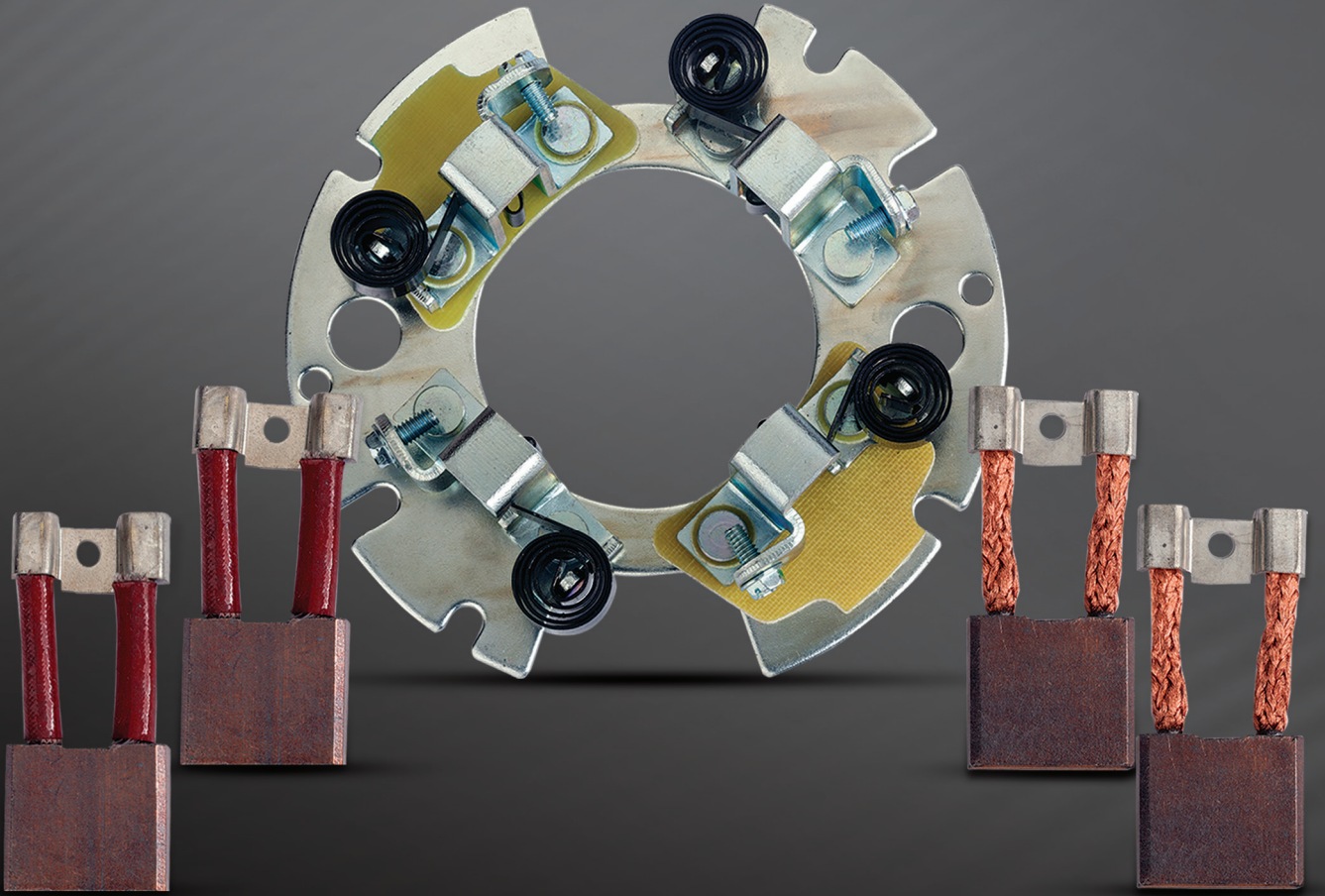
 Gerilim / Voltage  
(Volt)

**12**

 Ölçü / Dimension  
(mm)

**5x4x8**
**BAŞKURT  
RENAULT** MEGANE KOLTUK  
KÖMÜRÜ  
MEGANE SEAT  
BRUSH





**ÇAPRAZ KARŞILAŞTIRMA LİSTESİ**  
*CROSS REFERENCE LIST*



**KÖMÜR YUVALARI / BRUSH HOLDERS**

BOSCH	MEGA	SAYFA NO
1 004 336 025	BO 0751	8
1 004 336 125	BO 1601	12
1 004 336 130	BO 1601	12
1 004 336 132	BO 1601	12
1 004 336 136	BO 1602	12
1 004 336 139	BO 1585	12
1 004 336 146	BO 1601	12
1 004 336 147	BO 1602	12
1 004 336 155	BO 1584	11
1 004 336 156	BO 1584	11
1 004 336 162	BO 1601	12
1 004 336 200	BO 1762	15
1 004 336 217	BO 1621	13
1 004 336 219	BO 1762	15
1 004 336 228	BO 1584	11
1 004 336 233	BO 1584	11
1 004 336 239	BO 1761	15
1 004 336 257	BO 1584	11
1 004 336 300	BO 1601	12
1 004 336 301	BO 1585	12
1 004 336 318	BO 1601	12
1 004 336 321	BO 1761	15
1 004 336 337	BO 1601	12
1 004 336 343	BO 1601	12
1 004 336 359	BO 1584	11
1 004 336 362	BO 1602	12
1 004 336 368	BO 1761	15
1 004 336 374	BO 1601	12
1 004 336 391	BO 1761	15
1 004 336 392	BO 1761	15
1 004 336 394	BO 1585	12
1 004 336 397	BO 1761	15
1 004 336 400	BO 1585	12
1 004 336 401	BO 1585	12
1 004 336 402	BO 1584	11
1 004 336 403	BO 1601	12
1 004 336 404	BO 1585	12
1 004 336 405	BO 1585	12
1 004 336 407	BO 1585	12
1 004 336 408	BO 1584	11
1 004 336 409	BO 1585	12
1 004 336 411	BO 1601	12
1 004 336 412	BO 1585	12
1 004 336 413	BO 1585	12
1 004 336 415	BO 1761	15
1 004 336 417	BO 1762	15
1 004 336 418	BO 1601	12
1 004 336 419	BO 1601	12
1 004 336 421	BO 1761	15

BOSCH	MEGA	SAYFA NO
1 004 336 423	BO 1601	12
1 004 336 426	BO 1602	12
1 004 336 427	BO 1762	15
1 004 336 428	BO 1762	15
1 004 336 429	BO 1584	11
1 004 336 430	BO 1585	12
1 004 336 431	BO 1585	12
1 004 336 432	BO 1761	15
1 004 336 433	BO 1761	15
1 004 336 434	BO 1761	15
1 004 336 436	BO 1601	12
1 004 336 437	BO 1585	12
1 004 336 443	BO 1601	12
1 004 336 445	BO 1585	12
1 004 336 446	BO 1584	11
1 004 336 451	BO 1761	15
1 004 336 455	BO 1585	12
1 004 336 456	BO 1582	11
1 004 336 457	BO 1601	12
1 004 336 458	BO 1585	12
1 004 336 459	BO 1584	11
1 004 336 460	BO 1582	11
1 004 336 462	BO 1761	15
1 004 336 463	BO 1582	11
1 004 336 464	BO 1601	12
1 004 336 466	BO 1584	11
1 004 336 467	BO 1602	12
1 004 336 471	BO 1602	12
1 004 336 502	BO 1851	16
1 004 336 505	BO 1851	16
1 004 336 506	BO 2051	18
1 004 336 507	BO 2012	18
1 004 336 508	BO 2012	18
1 004 336 509	BO 2111	18
1 004 336 512	BO 2131	19
1 004 336 513	BO 2151	19
1 004 336 514	BO 2013	18
1 004 336 516	BO 2013	18
1 004 336 517	BO 2013	18
1 004 336 518	BO 2013	18
1 004 336 519	BO 2051	18
1 004 336 521	BO 2132	19
1 004 336 522	BO 2151	19
1 004 336 525	BO 1851	16
1 004 336 526	BO 1851	16
1 004 336 527	BO 2111	18
1 004 336 530	BO 2111	18
1 004 336 531	BO 2111	18
1 004 336 532	BO 2013	18

BOSCH	MEGA	SAYFA NO
1 004 336 534	BO 1851	16
1 004 336 537	BO 2012	18
1 004 336 538	BO 2013	18
1 004 336 542	BO 1851	16
1 004 336 547	BO 1851	16
1 004 336 548	BO 2013	18
1 004 336 550	BO 2012	18
1 004 336 551	BO 2012	18
1 004 336 552	BO 2131	19
1 004 336 553	BO 2151	19
1 004 336 555	BO 2011	17
1 004 336 556	BO 2013	18
1 004 336 562	BO 2191	20
1 004 336 564	BO 2111	18
1 004 336 567	BO 2131	19
1 004 336 568	BO 2132	19
1 004 336 572	BO 2131	19
1 004 336 575	BO 2013	18
1 004 336 580	BO 1851	16
1 004 336 581	BO 2013	18
1 004 336 584	BO 2151	19
1 004 336 588	BO 2151	19
1 004 336 591	BO 2151	19
1 004 336 593	BO 1851	16
1 004 336 598	BO 2151	19
1 004 336 600	BO 1851	16
1 004 336 603	BO 2013	18
1 004 336 604	BO 2151	19
1 004 336 605	BO 2012	18
1 004 336 606	BO 2151	19
1 004 336 611	BO 2013	18
1 004 336 617	BO 2012	18
1 004 336 618	BO 2013	18
1 004 336 620	BO 2012	18
1 004 336 621	BO 2012	18
1 004 336 622	BO 2011	17
1 004 336 623	BO 2013	18
1 004 336 633	BO 2111	18
1 004 336 637	BO 2051	18
1 004 336 640	BO 2151	19
1 004 336 654	BO 2013	18
1 004 336 674	BO 2331	21
1 004 336 681	BO 2351	21
1 004 336 702	BO 1851	16
1 004 336 703	BO 1851	16
1 004 336 704	BO 2111	18
1 004 336 707	BO 2111	18
1 004 336 708	BO 2111	18
1 004 336 709	BO 2013	18

KÖMÜR YUVALARI / BRUSH HOLDERS

BOSCH	MEGA	SAYFA NO
1 004 336 711	BO 1851	16
1 004 336 713	BO 2012	18
1 004 336 714	BO 2013	18
1 004 336 715	BO 1761	15
1 004 336 716	BO 1761	15
1 004 336 717	BO 1761	15
1 004 336 718	BO 1851	16
1 004 336 720	BO 1585	12
1 004 336 725	BO 2013	18
1 004 336 726	BO 2013	18
1 004 336 728	BO 1761	15
1 004 336 730	BO 1585	12
1 004 336 731	BO 1585	12
1 004 336 732	BO 1584	11
1 004 336 733	BO 1601	12
1 004 336 734	BO 1585	12
1 004 336 735	BO 1585	12
1 004 336 736	BO 1585	12
1 004 336 737	BO 1584	11
1 004 336 738	BO 1585	12
1 004 336 740	BO 1601	12
1 004 336 741	BO 1585	12
1 004 336 742	BO 1585	12
1 004 336 744	BO 1761	15
1 004 336 746	BO 1762	15
1 004 336 747	BO 1601	12
1 004 336 748	BO 1601	12
1 004 336 751	BO 2012	18
1 004 336 752	BO 2012	18
1 004 336 753	BO 2131	19
1 004 336 754	BO 2151	19
1 004 336 756	BO 2011	17
1 004 336 757	BO 2013	18
1 004 336 762	BO 1601	12
1 004 336 766	BO 2191	20
1 004 336 768	BO 2111	18
1 004 336 771	BO 2131	19
1 004 336 773	BO 2132	19
1 004 336 776	BO 1762	15
1 004 336 777	BO 1584	11
1 004 336 778	BO 1585	12
1 004 336 779	BO 1585	12
1 004 336 782	BO 2131	19
1 004 336 786	BO 2191	20
1 004 336 789	BO 1851	16
1 004 336 792	BO 2151	19
1 004 336 796	BO 2151	19
1 004 336 798	BO 2151	19
1 004 336 800	BO 1584	11

BOSCH	MEGA	SAYFA NO
1 004 336 801	BO 1761	15
1 004 336 802	BO 1582	11
1 004 336 804	BO 1585	12
1 004 336 806	BO 1601	12
1 004 336 807	BO 1585	12
1 004 336 808	BO 1584	11
1 004 336 809	BO 1761	15
1 004 336 810	BO 1761	15
1 004 336 811	BO 1602	12
1 004 336 812	BO 1601	12
1 004 336 813	BO 1761	15
1 004 336 814	BO 1761	15
1 004 336 815	BO 1621	13
1 004 336 816	BO 1601	12
1 004 336 817	BO 1621	13
1 004 336 819	BO 1585	12
1 004 336 820	BO 1762	15
1 004 336 821	BO 1762	15
1 004 336 823	BO 1601	12
1 004 336 826	BO 1585	12
1 004 336 827	BO 1761	15
1 004 336 828	BO 1761	15
1 004 336 829	BO 1585	12
1 004 336 831	BO 1761	15
1 004 336 832	BO 1601	12
1 004 336 833	BO 1761	15
1 004 336 834	BO 1621	13
1 004 336 835	BO 1582	11
1 004 336 836	BO 1585	12
1 004 336 837	BO 1601	12
1 004 336 839	BO 1584	11
1 004 336 840	BO 1585	12
1 004 336 842	BO 1761	15
1 004 336 843	BO 1621	13
1 004 336 844	BO 1621	13
1 004 336 846	BO 1621	13
1 004 336 847	BO 1584	11
1 004 336 853	BO 1761	15
1 004 336 859	BO 1601	12
1 004 336 860	BO 1585	12
1 004 336 865	BO 1621	13
1 004 336 866	BO 1851	16
1 004 336 872	BO 2013	18
1 004 336 879	BO 2051	18
1 004 336 884	BO 2012	18
1 004 336 885	BO 2012	18
1 004 336 886	BO 2111	18
1 004 336 889	BO 2131	19
1 004 336 890	BO 2151	19

BOSCH	MEGA	SAYFA NO
1 004 336 893	BO 2011	17
1 004 336 894	BO 2013	18
1 004 336 895	BO 2013	18
1 004 336 898	BO 2132	19
1 004 336 899	BO 2151	19
1 004 336 902	BO 1601	12
1 004 336 903	BO 1601	12
1 004 336 904	BO 1602	12
1 004 336 906	BO 1584	11
1 004 336 907	BO 1601	12
1 004 336 908	BO 1582	11
1 004 336 909	BO 1585	12
1 004 336 911	BO 1602	12
1 004 336 912	BO 1601	12
1 004 336 913	BO 1601	12
1 004 336 914	BO 1585	12
1 004 336 915	BO 1621	13
1 004 336 916	BO 1621	13
1 004 336 917	BO 1621	13
1 004 336 918	BO 1601	12
1 004 336 919	BO 1602	12
1 004 336 921	BO 1601	12
1 004 336 922	BO 1601	12
1 004 336 923	BO 1602	12
1 004 336 924	BO 1585	12
1 004 336 925	BO 1585	12
1 004 336 926	BO 1584	11
1 004 336 927	BO 1584	11
1 004 336 928	BO 1621	13
1 004 336 931	BO 1585	12
1 004 336 933	BO 1584	11
1 004 336 934	BO 1601	12
1 004 336 935	BO 1601	12
1 004 336 936	BO 1601	12
1 004 336 937	BO 1762	15
1 004 336 938	BO 1761	15
1 004 336 939	BO 1621	13
1 004 336 940	BO 1621	13
1 004 336 941	BO 1601	12
1 004 336 942	BO 1585	12
1 004 336 943	BO 1621	13
1 004 336 944	BO 1602	12
1 004 336 945	BO 1584	11
1 004 336 946	BO 1582	11
1 004 336 947	BO 1585	12
1 004 336 948	BO 1584	11
1 004 336 949	BO 1582	11
1 004 336 950	BO 1601	12
1 004 336 951	BO 1762	15

**KÖMÜR YUVALARI / BRUSH HOLDERS**

BOSCH	MEGA	SAYFA NO
1 004 336 952	BO 1621	13
1 004 336 953	BO 1621	13
1 004 336 954	BO 1601	12
1 004 336 955	BO 1585	12
1 004 336 956	BO 1585	12
1 004 336 957	BO 1761	15
1 004 336 958	BO 1584	11
1 004 336 959	BO 1585	12
1 004 336 960	BO 1601	12
1 004 336 961	BO 1602	12
1 004 336 962	BO 1585	12
1 004 336 963	BO 1621	13
1 004 336 964	BO 1761	15
1 004 336 965	BO 1601	12
1 004 336 967	BO 1621	13
1 004 336 968	BO 1601	12
1 004 336 969	BO 1621	13
1 004 336 970	BO 1761	15
1 004 336 971	BO 1601	12
1 004 336 973	BO 1601	12
1 004 336 974	BO 1601	12
1 004 336 975	BO 1761	15
1 004 336 976	BO 1585	12
1 004 336 980	BO 1761	15
1 004 336 981	BO 1585	12
1 004 336 983	BO 1584	11
1 004 336 984	BO 1585	12
1 004 336 985	BO 1761	15
1 004 336 986	BO 1601	12
1 004 336 987	BO 1762	15
1 004 336 988	BO 1584	11
1 004 336 989	BO 1761	15
1 004 336 990	BO 1584	11
1 004 336 991	BO 1584	11
1 004 336 992	BO 1621	13
1 004 336 993	BO 1621	13
1 004 336 994	BO 1582	11
1 004 336 995	BO 1601	12
1 004 336 996	BO 1585	12
1 004 336 997	BO 1585	12
1 004 336 998	BO 1601	12
1 004 336 999	BO 1585	12
1 004 337 005	BO 2281	20
1 004 337 006	BO 2441	21
1 004 337 012	BO 2301	20
1 004 337 153	BO 2302	21
2 004 336 027	BO 1431	9
2 004 336 077	BO 1771	15
2 004 336 079	BO 1971	17

BOSCH	MEGA	SAYFA NO
6 033 AD0 014	BO 1931	16
6 033 AD0 130	BO 1911	16
6 033 AD0 156	BO 1911	16
6 033 AD0 159	BO 1931	16
6 033 AD0 160	BO 1931	16
6 033 AD0 166	BO 1951	17
6 033 AD0 221	BO 1931	16
6 033 AD0 368	BO 1931	16
6 033 AD0 370	BO 1951	17
6 033 AD0 374	BO 1951	17
6 033 AD0 380	BO 1911	16
6 033 AD0 383	BO 1911	16
6 033 AD0 401	BO 1931	16
6 033 AD0 404	BO 1931	16
6 033 AD0 407	BO 1931	16
6 033 AD0 471	BO 1911	16
6 033 AD1 155	BO 1511	11
6 033 AD1 244	BO 1931	16
6 033 AD1 246	BO 1931	16
6 033 AD1 250	BO 1931	16
6 033 AD1 327	BO 1511	11
6 033 AD3 022	BO 1951	17
6 033 AD3 042	BO 1951	17
6 033 AD3 058	BO 1951	17
6 033 AD3 262	BO 1951	17
6 033 AD3 267	BO 1951	17
6 033 AD4 016	BO 1911	16
6 033 AD4 016	BO 2171	19
6 033 AD4 026	BO 1911	16
6 033 AD4 054	BO 1911	16
6 033 AD4 194	BO 1911	16
6 033 AD4 194	BO 2171	19
6 033 AD4 212	BO 2171	19
6 033 AD5 179	BO 1911	16
6 033 AD5 179	BO 2171	19
6 033 AD5 316	BO 2171	19
6 033 AD5 318	BO 2171	19
6 033 AD5 320	BO 2171	19
9 000 081 094	BO 1621	13
9 003 334 103	BO 1511	11
9 003 334 147	BO 1511	11
9 003 334 163	BO 1511	11
9 003 334 165	BO 1511	11
9 003 334 167	BO 1511	11
9 003 334 171	BO 1511	11
9 003 334 175	BO 1511	11
9 003 334 314	BO 1511	11
9 003 334 343	BO 1511	11
9 003 334 355	BO 1511	11

BOSCH	MEGA	SAYFA NO
9 003 334 363	BO 1911	16
9 003 334 368	BO 1951	17
F 000 AL1 055	BO 1621	13
F 000 AL1 326	BO 1621	13
F 000 AL1 483	BO 1621	13
F 000 AL1 917	BO 1621	13
F 000 AL1 918	BO 1621	13
F 000 AL1 919	BO 1621	13
F 000 AL2 034	BO 1621	13
F 000 AL2 035	BO 1621	13
F 000 AL2 036	BO 1621	13
F 000 AL2 109	BO 1621	13
CARGO	MEGA	SAYFA NO
130685	BO 0751	8
131169	LU 0361	31
131184	BO 1431	9
131352	DR 1341	22
131352	DR 1342	22
132090	HI 0811	29
132559	ND 0851	37
132873	ND 7781	39
133341	MI 0411	33
133342	MI 2431	34
133647	VA 1480	41
133886	MI 1701	33
234118	BO 1771	15
134291	FI 1221	25
134658	BO 1601	12
134659	BO 1584	11
134660	BO 1585	12
134661	BO 1511	11
134670	MA 1221	32
134670	MA 1221	32
134842	DR 4581	24
134868	BO 1621	13
135015	BO 1762	15
135235	BO 1602	12
135242	MA 7281	32
135565	FI 3341	25
135720	DR 1351	22
135822	LU 5161	31
136103	ND 0521	36
136204	FI 5361	26
136418	BO 1621	13
136557	BO 1761	15
136635	FO 0721	27
136728	VA 1480	41

KÖMÜR YUVALARI / BRUSH HOLDERS

CARGO	MEGA	SAYFA NO
137121	HI 4551	29
137268	BO 1621	13
137618	BO 1761	15
137703	BO 1582	11
138201	BO 1621	13
138326	BO 1601	12
138672	MI 0111	
138672	MI 0111	
138899	BO 1621	13
138900	BO 1585	12
138902	BO 1621	13
138903	BO 1601	12
138904	BO 1621	13
138905	BO 1762	15
138906	BO 1761	15
139144	BO 1601	12
139145	BO 1761	15
139146	BO 1584	11
139224	VA 1551	42
139428	BO 1584	11
139505	BO 1911	16
139627	FI 3541	25
139638	BO 1585	12
139698	BO 1911	16
139698	BO 1911	16
140559	MI 0411	33
140560	MI 2431	34
230741	FO 0751	28
231648	BO 1931	16
232183	BO 1761	15
232700	BO 1851	16
233565	BO 1761	15
234126	BO 1851	16
234947	BO 1951	17
235745	BO 2171	19
DELCO REMY	MEGA	SAYFA NO
1988121	DR 1341	22
1988122	DR 1341	22
1988439	DR 1342	22
10456456	DR 4581	24
10456456	DR 4201	23
10468705	DR 1351	22
10469238	DR 1352	23
NIPPON DENSO	MEGA	SAYFA NO
028510-0500	ND 0881	37

NIPPON DENSO	MEGA	SAYFA NO
028510-0560	ND 0851	37
028510-0640	ND 7781	39
028510-0840	ND 7781	39
028510-0880	ND 0111	36
028510-5190	ND 0521	36
028510-5500	ND 7781	39
HITACHI	MEGA	SAYFA NO
2114-39001	HI 0811	29
2114-49007	HI 0811	29
2114-69008	HI 0811	29
2114-79001	HI 0811	29
2114-89007	HI 0811	29
2114-23106	HI 4551	29
2114-29007	HI 0811	29
2114-4311	HI 0811	29
2114-53105	HI 4551	29
2114-63104	HI 4551	29
2114-73105	HI 4551	29
FORD	MEGA	SAYFA NO
F7RU-11434-BA	FO 0751	28
E90F-11000-AA,-BA	FO 0711	27
E9SF-11000-AA,-BA	FO 0711	27
F02F-11000-AA	FO 0721	27
F07U-11000-AA,-BA	FO 0721	27
F0CF-11000-AA,-BA	FO 0721	27
F0OU-11000-AA	FO 0721	27
F13U-11000-AA	FO 0721	27
F17U-11000-AB	FO 0721	27
F1VU-11000-AA	FO 0721	27
93BB-11000-HB,-JB,-JC	FO 0721	27
93BB-11000-KA,-KB,-KC	FO 0721	27
FIAT	MEGA	SAYFA NO
74891101010	FI 1221	25
028510-6410	FI 2731	25
028510-6421	FI 2731	25
028510-6440	FI 2731	25
028510-6490	FI 2731	25
542 944 44	FI 3341	25
832 204 61	FI 3341	25
832 263 36	FI 3541	25
832 212 41	FI 5361	26
773 651 21	BO 2331	21

IKA	MEGA	SAYFA NO
7 5001 1	HP 0010	45
7 5002 0	HP 0011	45
7 5002 1	HP 0011	45
7 7115 1	BO 1431	9
7 7124 1	BO 1601	12
7 7125 1	BO 1621	13
7 7126 1	BO 1762	15
7 7127 1	BO 1584	11
7 7128 1	BO 1602	12
7 7129 1	BO 1585	12
7 7130 1	BO 1511	11
7 7131 1	BO 1761	15
7 7132 1	BO 1582	11
7 7134 1	BO 1851	16
7 7135 1	BO 2012	18
7 7139 1	BO 1771	15
7 7140 1	HI 4551	29
7 7141 1	HI 0811	29
7 7146 1	VA 1642	43
7 7147 1	VA 1641	43
7 7148 1	VA 1641	43
7 7151 1	VA 1480	41
7 7159 1	VA 1551	42
7 7171 1	ND 7781	39
7 7179 1	ND 0111	36
7 7187 1	MI 0411	33
7 7188 1	MI 2431	34
7 7191 1	FI 3541	25
7 7193 1	FI 3341	25
7 7199 1	BO 1911	16
7 7201 1	BO 1971	17
7 7202 1	BO 2051	18
7 7204 1	BO 2011	17
7 7208 1	BO 1931	16
7 7210 1	BO 1951	17
7 7211 1	FO 0711	27
7 7212 1	FO 0721	27
7 7215 1	FO 0731	27
7 7221 1	BO 2191	20
7 7223 1	BO 2131	19
7 7224 1	BO 2132	19
7 7225 1	BO 2151	19
7 7228 1	BO 2013	18
7 7241 1	BO 1911	16
7 7241 1	BO 2171	19
7 7243 1	BO 1951	17
7 7261 1	FO 0751	28
7 7314 1	BO 0751	8
7 7368 2	DR 1341	22

**KÖMÜR YUVALARI / BRUSH HOLDERS**

İKA	MEGA	SAYFA NO
7 7372 1	ND 0881	37
7 7377 1	FI 2731	25
7 7375 1	DR 1351	22
7 7378 1	DR 4581	24
7 7389 1	MI 1701	33
7 7395 1	MA 5261	32
7 7468 2	DR 1342	22
7 7475 1	DR 1352	23
7 7478 1	DR 4201	23
7 7536 1	BO 2301	20
7 7291 1	BO 2302	21
7 7536 1	BO 2331	21
7 7537 1	BO 2441	21
7 7538 1	BO 2351	21
7 7545 1	BO 2281	20
7 7605 1	FO 0681	27
7 7170 1	ND 0851	37
7 7192 1	FI 5361	26
7 7370 1	ND 0851	37
7 7370 1	ND 0851	37
MAGNETI MARELLI	MEGA	SAYFA NO
721 650 01	MA 1221	32
7984628	MA 1221	32
8190402	MA 7281	32
721 641 01	MA 5261	32
72164102	MA 7281	32
72164102000	MA 7281	32
72164102010	MA 7281	32
72165001000	MA 1221	32
MITSUBISHI	MEGA	SAYFA NO
M649T01271	MI 0411	33
M649T01671	MI 2431	34
MONARK	MEGA	SAYFA NO
085 831 815	BO 1621	13
085 831 907	BO 1601	12
085 831 909	BO 1585	12
085 831 916	BO 1621	13
085 831 949	BO 1582	11
085 831 951	BO 1762	15
085 831 954	BO 1601	12
085 831 955	BO 1585	12
085 831 958	BO 1584	11

WAI	MEGA	SAYFA NO
69-103	DR 1341	22
69-108-2	DR 1351	22
69-108-3	DR 1352	23
69-201	FO 0721	27
69-205	FO 0711	27
69-206	FO 0751	28
69-8101	HI 0811	29
69-8117	HI 4551	29
69-8117	ND 1021	38
69-8122	HI 6371	30
69-8203	ND 0881	37
69-8208	ND 0111	36
69-8211	ND 0521	36
69-8218	FI 2731	25
69-8219	ND 0851	37
69-8302	MI 6971	35
69-8308	MI 0411	33
69-8309	MI 2431	34
69-8311	MI 2831	34
69-8315	MI 2832	34
69-8339	MI 1701	33
69-8400-2	DR 4581	24
69-8400-3	DR 4201	23
69-9100	BO 1451	10
69-9104	BO 0751	8
69-9105	BO 1011	8
69-9105	BO 1431	9
69-9106	BO 1441	9
69-9106	BO 1641	13
69-9111	BO 1601	12
69-9114	BO 1401	9
69-9115	BO 1603	13
69-9117	BO 1491	10
69-9118	BO 1511	11
69-9121	BO 1763	15
69-9129	BO 1582	11
69-9136	BO 2171	19
69-9137	BO 2191	20
69-9138	BO 1585	12
69-9139	BO 1621	13
69-9140	BO 1711	14
69-9140	BO 1771	15
69-9140	BO 1971	17
69-9141	BO 1712	14
69-9142	BO 1761	15
69-9143	BO 1762	15
69-9144	BO 1851	16
69-9145	BO 1911	16
69-9146	BO 1931	16

WAI	MEGA	SAYFA NO
69-9147	BO 1951	17
69-9155	BO 2281	20
69-9157	BO 2441	21
69-9158	BO 2331	21
69-9165	BO 2301	20
69-9196	BO 2302	21
69-9197	BO 2351	21
69-9200	LU 0361	31
69-9301	FI 3541	25
69-9302	MA 5261	32
69-9303	FI 3341	25
69-9304	MA 7281	32
69-9305	FI 5361	26
69-9306	MA 3241	32
69-9307	MA 1221	32
69-9401	VA 1671	43
69-9402	VA 1290	40
69-9403	VA 1641	43
69-9404	VA 1441	41
69-9406	VA 1642	43
69-9407	VA 1672	44
69-9408	ND 2011	38
69-9901	HP 0010	45
81-218	VA 1551	42
82-8990	HP 0011	45
VALEO	MEGA	SAYFA NO
594290	VA 1551	42
594351	VA 1551	42
183 957	VA 1480	41
186 381	VA 1480	41
187 517	VA 1551	42
187 626	VA 1551	42
594 070	VA 1480	41
594 072	VA 1480	41
190987	VA 1642	43
191060	VA 1641	43
191141	VA 1641	43
191822	VA 1641	43
191823	VA 1641	43
191824	VA 1642	43
193288	VA 1642	43

KÖMÜRLER / BRUSHES

BOSCH	MEGA	SAYFA NO
1 004 320 101	BSX 149	57
1 004 320 102	BSX 154	58
1 004 320 103	BSX 156	59
1 004 320 208	BSX 220-221	67
1 004 320 209	BSX 220-221	67
1 004 320 232	BSX 220-221	67
1 004 320 233	BSX 220-221	67
1 004 320 245	BSX 229-230	68
1 004 320 246	BSX 229-230	68
1 004 320 257	BSX 238	69
1 004 320 266	BSX 239-240	69
1 004 320 267	BSX 239-240	69
1 004 320 268	BSX 241-242	69
1 004 320 269	BSX 241-242	69
1 007 014 100	BSX 12	48
1 007 014 105	BSX 36	49
1 007 014 106	BSX 33	48
1 007 014 107	BSX 34	48
1 007 014 109	BSX 35	48
1 007 014 121	BSX 76	51
1 007 014 123	BSX 43	49
1 007 014 126	BSX 98	53
1 007 014 128	BSX 121	54
1 007 014 129	BSX 124	54
1 007 014 131	BSX 98	53
1 007 014 137	BSX 146	56
1 007 014 138	BSX 140	56
1 007 014 139	BSX 149	57
1 007 014 140	BSX 159-160	59
1 007 014 141	BSX 156	59
1 007 014 143	BSX 151	58
1 007 014 144	BSX 152	58
1 007 014 145	BSX 154	58
1 107 014 018	BX 68	134
1 107 014 110	BSX 43	49
1 107 014 118	BX 68	134
1 107 014 119	BX 68	134
1 107 014 126	BSX 49	49
1 127 014 000	BX 151	135
1 127 014 004	BX 185	136
1 127 014 005	BX 185	136
1 127 014 006	BX 185	136
1 127 014 007	BX 185	136
1 127 014 008	BX 185	136
1 127 014 010	BX 199	136
1 127 014 011	BX 185	136
1 127 014 013	BX 185	136
1 127 014 015	BX 199	136
1 127 014 016	BX 201	137

BOSCH	MEGA	SAYFA NO
1 127 014 017	BX 202	137
1 127 014 018	BX 204	137
1 127 014 019	BX 209	138
1 127 014 020	BX 202	137
1 127 014 021	BX 209	138
1 127 014 022	BX 204	137
1 127 014 023	BX 204	137
1 127 014 024	BX 214	138
1 127 014 025	BX 204	137
1 127 014 026	BX 215	138
1 127 014 027	BX 215	138
1 127 014 028	BX 213	138
1 127 014 030	BX 204	137
1 127 014 031	BX 219	139
1 917 000 153	RX 60	72
1 917 000 154	RX 70	72
1 917 000 155	RX 87	73
1 917 000 158	RX 92	73
1 917 000 205	USX 60-59	80
1 917 000 206	USX 60-59	80
1 917 000 207	USX 60-59	80
1 917 000 208	USX 60-59	80
1 917 000 210	USX 60-59	80
1 917 000 211	USX 73-85	80
1 917 000 215	USX 91-92	80
1 917 000 250	JSX 5	81
1 917 000 251	JSX 9	81
1 917 000 253	JSX 13	81
1 917 000 254	JSX 15	82
1 917 000 255	JSX 16	82
1 917 000 259	JSX 18	82
1 917 000 260	JSX 19	82
1 917 000 354	LASX 15-16	97
1 917 000 355	LASX 15-27	97
1 917 000 357	LASX 36	98
1 917 000 359	LASX 40-41	99
1 917 000 360	LASX 42	99
1 917 000 361	LASX 30-31-32	98
1 917 000 363	LASX 44-45	100
1 917 000 503	PSX 115-116	125
1 917 000 509	PSX 115-116	125
1 917 000 521	PSX 115-116	125
1 917 000 525	PSX 81-82	123
1 917 000 526	PSX 83-84	124
1 917 000 542	PSX 132	126
1 917 000 553	PSX 112	124
1 917 000 554	PSX 83-84	124
1 917 000 560	PSX 122-123-124	125
1 917 000 563	PSX 129	125

BOSCH	MEGA	SAYFA NO
1 917 000 564	PSX 132	126
1 917 000 565	JSX 21-22	83
1 917 000 575	PSX 130	126
1 917 000 576	PSX 133	126
1 917 000 577	JSX 21-22	83
1 917 000 578	MASX 17-18	102
1 917 010 205	JX 16	142
1 917 010 300	LAX 9	147
1 917 010 302	LAX 31-32	148
1 917 010 305	LAX 23	147
1 917 010 391	PLSX 5	122
1 917 012 104	RX 103	140
1 917 012 155	UX 79-80/0	155
1 917 012 203	JX 30-31	142
1 917 012 352	PX 52-54	155
1 917 012 353	PX 52-54	155
1 917 012 354	PX 52-54	155
1 917 700 476	PLSX 3	122
1 987 000 004	JAAX 32	145
1 987 000 005	JASX 66-67	94
1 987 000 006	JASX 57-58	93
1 987 000 007	JASX 29	108
1 987 000 009	JASX 15-6 (4)	91
1 987 000 010	JASX 69-70	110
1 987 120 000	JAAX 9	152
1 987 120 001	JAAX 20	145
1 987 120 002	JASX 63	117
1 987 120 003	JAAX 25	150
1 987 120 004	JAAX 24	150
1 987 120 010	JAAX 25	150
1 987 120 022	JAAX 19	145
1004 320 253	BSX 234-235	69
1004 320 254	BSX 234-235	69
1917 000 161	RX 120	74
1917 000 162	RX 120	74
1917 000 201	USX 44-21	80
1917 012 105	RX 103 F	140
1917 012 400	SVX 7	155
1917 012 401	SVX 7	155
2 000 014 078	BSX 100	53
2 004 320 176	BSX 186	62
2 004 320 178	BSX 186	62
2 004 320 264	BSX 222-223	67
2 004 320 265	BSX 222-223	67
2 007 014 001	BSX 12	48
2 007 014 002	BSX 39	49
2 007 014 004	BSX 148	57
2 007 014 007	BSX 12	48
2 007 014 008	BSX 148	57



**KÖMÜRLER / BRUSHES**

BOSCH	MEGA	SAYFA NO
2 007 014 013	BSX 35	48
2 007 014 015	BSX 148	57
2 007 014 017	BSX 186	62
2 007 014 018	BSX 70	50
2 007 014 019	BSX 102	54
2 007 014 020	BSX 33	48
2 007 014 021	BSX 34	48
2 007 014 022	BSX 85	52
2 007 014 023	BSX 148	57
2 007 014 024	BSX 74	50
2 007 014 026	BSX 75	51
2 007 014 027	BSX 75	51
2 007 014 032	BSX 100	53
2 007 014 035	BSX 100	53
2 007 014 036	BSX 148	57
2 007 014 040	BSX 139	56
2 007 014 042	BSX 148	57
2 007 014 044	BSX 96	52
2 007 014 047	BSX 35	48
2 007 014 048	BSX 148	57
2 007 014 049	BSX 100	53
2 007 014 050	BSX 96	52
2 007 014 051	BSX 100	53
2 007 014 052	BSX 96	52
2 007 014 053	BSX 102	54
2 007 014 056	BSX 96	52
2 007 014 061	BSX 148	57
2 007 014 062	BSX 134-144	55
2 007 014 063	BSX 135-145	55
2 007 014 064	BSX 96	52
2 007 014 065	BSX 137-143	55
2 007 014 067	BSX 147	56
2 007 014 068	BSX 137-143	55
2 007 014 070	BSX 148	57
2 007 014 072	BSX 177	61
2 007 014 073	BSX 163-164	59
2 007 014 076	BSX 163-164	59
2 007 014 077	BSX 170-171	60
2 007 014 079	BSX 172-173	60
2 007 014 080	BSX 178-179	61
2 007 014 081	BSX 180-181	61
2 007 014 082	BSX 177	61
2 007 014 085	BSX 170-171	60
2 107 014 004	BX 68	134
2 127 014 003	BX 203	137
2 127 014 004	BX 203	137
2 127 014 005	BX 203	137
2 137 014 003	BSX 12	48
6 033 AD3 260	BSX 224-225	67

BOSCH	MEGA	SAYFA NO
6 033 AD3 261	BSX 224-225	67
6 033 AD5 097	BSX 206-207	65
6 033 AD5 098	BSX 206-207	65
6 033 AD5 126	BSX 206-207	65
6 033 AD5 127	BSX 206-207	65
6 033 AD5 177	BSX 216-217	66
6 033 AD5 178	BSX 216-217	66
6 033 AD5 312	BSX 206-207	65
6 033 AD5 313	BSX 206-207	65
6 033 AD5 314	BSX 216-217	66
6 033 AD5 315	BSX 216-217	66
9 001 082 414	BSX 98	53
9 001 453 644	BSX 177	61
9 003 337 001	BSX 165	60
CARGO	MEGA	SAYFA NO
140134	RX 103	140
140135	RX 106	140
140161	LAX 80-81	148
140334	JASX 57-58	93
140336	JASX 66-67	94
140337	JASX 94-95	96
140338	JASX 80-81	95
140339	JASX 56-3/0	93
140340	JASX 15-6 (4)	91
140341	JASX 32-33	91
140342	JAAX 20	145
140344	JAAX 12	145
140345	JASX 23	106
140347	JASX 69-70	110
140349	JASX 82-83	112
140350	JAAX 16	150
140351	JAAX 25	150
140352	JAAX 24	150
140353	JAAX 24	150
140354	JAAX 31	150
140357	JASX 22	116
140360	JASX 63	117
140361	JASX 88	120
140362	JASX 84	118
140363	JASX 85	119
140364	JASX 77-78	118
140368	JAAX 28	152
140369	JAAX 33	152
140370	JAAX 38	153
140371	JAAX 35	153
140376	JASX 56-3	93
140378	JASX 36-37	92

CARGO	MEGA	SAYFA NO
140379	JASX 74-75	95
140380	JAAX 32	145
140385	JASX 29	108
140386	JASX 47-48	110
140387	JASX 98-99	113
140388	JASX 71-72	112
140393	JASX 35	116
140437	JAAX 34	151
140556	JASX 1	115
140559	JASX 40-41	108
140567	JASX 74	94
140575	JAAX 37	146
140576	JAAX 36	151
140591	JASX 69-70	110
140595	JASX 92-93	95
140597	JASX 34-30	92
140598	RX 132-133	141
140600	RX 457-458	78
140602	JASX 39	116
140603	LASX 30-31-32	98
140613	LAX 82	149
140647	JASX 53	117
140706	JASX 21 (4)	107
140708	JASX 91	106
140716	LASX 15-27	97
140732	RX 419-420	77
140740	JASX 52	117
140755	RX 911	78
140765	LASX 76	101
140770	JASX 79	118
140808	PSX 142-143	128
140811	RX 120	74
140812	RX 120	74
140813	RX 120/0	73
140815	RX 120/0	73
140841	JASX 24-25	107
140852	JASX 49-61	92
140885	JASX 18-19	116
140896	LASX 87-77-78	101
140897	LASX 86-79-80	101
140914	JX 43	143
140922	JASX 54-55	93
140930	JASX 42-43	109
140931	JASX 45-46	106
140932	JASX 86-87	120
140933	JASX 50-51	92
140966	JASX 44-28	109
140986	JASX 59-60	94
141023	JASX 26-27	91



**KÖMÜRLER / BRUSHES**

WAI	MEGA	SAYFA NO
68-9145	BS-166	60
68-9113	BS-134	169
38-216	F-67	144
68-223	F-75	90
68-220	F-72	89
68-217	F-71	89
68-219	F-70	89
68-9300	JS-13	81
38-8302	JAA-24	150
68-9200	LAS-44	100
68-8200	JAS-84	118
68-8210	JAS-89	120
68-8100	JAS-81	95
68-8101	JAS-80	95
68-9116	BS-87	52
68-9116	BS-96	52
68-9403	US-91	80
38-8202	JAA-28	152
38-8201	JAA-35	153
38-9100	B202	137
68-8309	JAS-37	92
68-8308	JAS36	92
38-8105	JAA-32	145
38-8306	JAA-31	150
38-8204	JAA-33	152
38-8307	JAA 36 ST	151
68-8214	JAS-18	116
68-8215	JAS-19	116
68-8220	JAS-52	117
68-8216	JAS-10	115
68-8217	JAS-11	115
68-8300	JAS-70	110
68-8118	JAS-75	95
68-8119	JAS-74	94
38-8107	JAA-36	151
38-8108	JAA-37	146
68-8900	JAS-21	107
68-9406	US-60	80
68-9209	LAS-15	97
38-8200	JAA-9	152
38-8300	JAA-34	151
68-8203	JAS-22	116
68-9207	LAS-31	98
68-9206	LAS-36	98
68-8202	JAS-14	115
68-8107	JAS-33	91
68-8106	JAS-32	91
68-8105	JAS-56	93
68-8104	JAS-15	91

WAI	MEGA	SAYFA NO
68-9301	JS-16	82
38-8102	JAA-20	145
68-8204	JAS-35	116
38-8303	JAA-16	150
68-8110	JAS-67	94
68-8110	JAS-67	94
68-8108	JAS-66	94
68-8111	JAS-58	93
68-8129	JAS-55	93
68-8129-1	JAS-55	93
68-8125	JAS-50	92
68-8131	JAS-59	94
68-8128 68-8136	JAS-49	92
68-8128-1	JAS-54	93
38-401 / 38-402	SV7/9	155
38-402	SV7/9	155
68-8305	JAS-83	112
68-8317	JAS-42	109
68-8315-1	JAS-41	108
68-8315	JAS-40	108
68-8314	JAS-43	109
68-8312-1	JAS-68	110
68-8312	JAS-40	108
68-8321	JAS-100	113
68-8208	JAS-77	118
68-8225	JAS-78	118
68-8226	JAS-79	118
38-104	R-103	140
38-110	R-106	140
38-105	R-117	141
38-107	R-119	141
68-109	R-122	74
68-111	R-122H	74
68-115	R-124	75
68-117	R-124H	75
38-115	R-132	141
38-116	R-133	141
68-112	R-134	76
68-113	R-134 H	76
68-129	R-135	77
68-130	R-135 H	77
68-137	R-419	77
68-8400	R 457	78
68-8401	R 458	78
68-8402	R-419	77
68-139	R-911	78
38-119	R-140	141
38-120	R-141	141
68-152-24	K-010	79

WAI	MEGA	SAYFA NO
68-158	K-010	79
68-100	R-60	72
68-108	R-69	72
68-110	R-70	72
68-104	R-87	73
38-100	R-89	140
38-101	R-90	140
68-116	R-92	73
DELCO	MEGA	SAYFA NO
1 0456 457	R-457	78
1 0456 458	R-458	78
1 0457 119	R-419	77
1 0457 120	R 420	77
1 049 524	RX 911	78
1 852 880	RX 120	74
1 852 883	RX 122 H	74
1 852 884	RX 122	74
1 852 887	RX 124	75
1 995 564	RX 117	141
1 989 661	RX 132-133	141
NIPPON DENSO	MEGA	SAYFA NO
21660-0130	JAA 9	152
21660-0311	JAA 33	152
21660-0330	JAA 28	152
21660-0370	JAA 38	153
21660-0390	JAA 35	153
21660-0510	JAA 35	153
21660-0530	JAA 33	152
23740-0200	JASX 79	118
28099-3430	JAS 89	120
28099-3950	JAS 89	120
28099-3980	JASX 53	117
28099-5450	JAS 39	116
28099-6180	JAS 52	117
28510-0441	JAS 84	118
28510-0460	JAS 89	120
28510-0580	JAS 84	118
28510-0590	JAS 84	118
28510-0660	JAS 89	120
28510-0830	JAS 84	118
28510-5320	JAS 84	118
28510-5350	JAS 84	118
28510-5420	JAS 84	118
28510-0750	JASX 86-87	120
28530-0480	JASX 35	116

KÖMÜRLER / BRUSHES

NIPPON DENSO	MEGA	SAYFA NO
28530-0932	JASX 1	115
28531-0300	JAS 22	116
28531-0380	JAS 63	117
28531-0450	JAS 84	118
28531-0480	JAS 63	117
28531-0490	JAS 63	117
28531-0632	JAS 88	120
28531-0680	JAS 85	119
28531-0720	JAS 89	120
28531-0730	JAS 89	120
28531-0840	JAS 77	118
28531-0946	JAS 84	118
28531-5050	JAS 39 C	117
28531-0110	JASX 14	115
28531-0110	JAS 14	115
FCC	MEGA	SAYFA NO
JHTSX 7 M	JASX 15-6 (4)	91
JHTSX 9 M	JASX 56-3	93
JHTSX 12 M	JASX 31	91
JHTSX 17	JASX 57-58	93
JHTSX 25	JASX 92-93	95
JHTSX 28	JASX 66-67	94
JHTSX 29	JASX 94-95	96
JHTSX 31	JASX 80-81	95
JHTSX 32	JASX 92-93	95
JHTSX 33	JASX 56-3/0	93
JHTSX 34	JASX 94-95	96
JHTSX 36	JASX 36-37	92
JHTSX 37	JASX 74-75	95
JHTSX 38	JASX 57-58	93
JHTSX 39	JASX 36-37	92
JHTSX 40	JASX 74	94
JHTSX 43	JASX 34-30	92
JHTSX 44	JASX 74-75	95
JHTSX 47	JASX 49-61	92
JHTX 10	JAAX 19	145
JHTX 11	JAAX 19	145
JHTX 18	JAAX 20	145
JHTX 18 M	JAAX 20	145
JHTX 19	JAAX 19	145
JHTX 20	JAAX 32	145
JHTX 23	JAAX 32	145
JHTX 27	JAAX 37	146
JHTX 5	JAAX 19	145
JHTX 6	JAAX 12	145
JHTX 7	JAAX 19	145
JMTSX 24	JASX 29	108

FCC	MEGA	SAYFA NO
JMTSX 11	JASX 23	106
JMTSX 27	JASX 70	110
JMTSX 36	JASX 69-70	110
JMTSX 49	JASX 82-83	112
JMTSX 54	JASX 69-70	110
JMTSX 55	JASX 98-99	113
JMTSX 56	JASX 71-72	112
JMTSX 57	JASX 96-97	112
JMTSX 65	JASX 71	111
JMTSX 66	JASX 71	111
JMTSX 70	JAS 43	109
JMTSX 71	JAS 41	108
JMTX 14	JAAX 16	150
JMTX 19	JAAX 25	150
JMTX 20	JAAX 25	150
JMTX 22	JAAX 24	150
JMTX 23	JAAX 25	150
JMTX 25	JAAX 25	150
JMTX 32	JAAX 24	150
JMTX 33	JAAX 31	150
JMTX 34	JAAX 31	150
JMTX 35	JAAX 34	151
JMTX 38	JAAX 36	151
JMTX 39	JAAX 31	150
JMTX 41	JAAX 36	151
JMTX 42	JAAX 34	151
JNDSX 8	JASX 35	116
JNDSX 25	JASX 63	117
JNDSX 31	JASX 88	120
JNDSX 31 M	JASX 88	120
JNDSX 32	JASX 84	118
JNDSX 33	JASX 84	118
JNDSX 34	JASX 85	119
JNDSX 35	JASX 77-78	118
JNDSX 36	JASX 86-87	120
JNDSX 37	JASX 53	117
JNDSX 39	JASX 39	116
JNDSX 39 T	JASX 39 C	117
JNDSX 41	JASX 52	117
JNDX 11	JAAX 9	152
JNDX 11 M	JAAX 9	152
JNDX 30	JAAX 28	152
JNDX 32	JAAX 33	152
JNDX 33	JAAX 38	153
JNDX 34	JAAX 35	153
JNDX 34 M	JAAX 35	153
JNDX 37	JAAX 35	153
JNDX 38	JAAX 33	152
JNKX20	RX 419-420	77

FCC	MEGA	SAYFA NO
JNKX 28	JASX 79	118
JNKX6	JAAX 19	145
FUJI	MEGA	SAYFA NO
F-141	JASX 77-78	118
FA-101	JASX 66-67	94
FA-102	JASX 66-67	94
FD-140	JASX 63	117
FD-151	JASX 52	117
FD-154	JASX 84	118
FD-155	JASX 89	120
FD-156	JASX 88	120
FD-157	JASX 63	117
FD-158	JASX 85	119
FD-159	JASX 85	119
FD-160	JASX 85	119
FD-161	JASX 77-78	118
FD-163	JASX 84	118
FD-165	JASX 84	118
FD-166	JASX 77-78	118
FD-167	JASX 39 C	117
FD-168	JASX 77-78	118
FD-169	JASX 84	118
FD-170	JASX 52	117
FD-311	JAAX 9	152
FD-312	JAAX 9	152
FD-313	JAAX 28	152
FD-315	JAAX 33	152
FD-316	JAAX 35	153
FD-317	JAAX 33	152
FD-318	JAAX 35	153
FD-319	JAAX 35	153
FE-123	JASX 84	118
FE-124	JASX 84	118
FE-143	JASX 88	120
FE-167	JASX 77-78	118
FE-303	JAAX 19	145
FE-304	JAAX 19	145
FE-306	JAAX 19	145
FE-310	JAAX 9	152
FE-316	JAAX 19	145
FE-317	JAAX 19	145
FE-318	JAAX 20	145
FE-319	JAAX 35	153
FE-320	JAAX 35	153
FF-110	JASX 57-58	93
FF-111	JASX 57-58	93
FF-117	JASX 66-67	94

**KÖMÜRLER / BRUSHES**

FUJI	MEGA	SAYFA NO
FF-118	JASX 66-67	94
FF-120	JASX 66-67	94
FF-121	JASX 66-67	94
FF-122	JASX 66-67	94
FF-124	JASX 39 C	117
FF-125	JASX 84	118
FF-128	JASX 85	119
FF-132	JASX 84	118
FF-134	JASX 85	119
FF-135	JASX 84	118
FF-146	JASX 84	118
FF-150	JASX 66-67	94
FF-151	JASX 66-67	94
FF-155	JASX 84	118
FF-156	JASX 84	118
FF-157	JASX 84	118
FF-158	JASX 39 C	117
FF-303	JAAX 20	145
FF-304	JAAX 20	145
FF-308	JAAX 9	152
FF-310	JAAX 32	145
FF-313	JAAX 20	145
FF-314	JAAX 20	145
FF-315	JAAX 20	145
FF-316	JAAX 20	145
FF-319	JASX 39	116
FF-321	JAAX 35	153
FF-322	JAAX 34	151
FF-323	JAAX 20	145
FF-325	JAAX 35	153
FH-123	JASX 88	120
FH-125	JASX 94-95	96
FH-126	JASX 94-95	96
FH-145	JASX 88	120
FH-303	JAAX 12	145
FH-304	JAAX 19	145
FH-306	JAAX 33	152
FH-307	JAAX 33	152
FH-318	JAAX 9	152
FH-323	JAAX 9	152
FH-324	JAAX 9	152
FI-001	JASX 74-75	95
FI-002	JASX 36-37	92
FI-003	JASX 36-37	92
FI-025	JASX 88	120
FI-027	JASX 88	120
FI-029	JASX 89	120
FI-030	JASX 88	120
FI-040	JASX 89	120

FUJI	MEGA	SAYFA NO
FI-041	JASX 85	119
FI-046	JASX 36-37	92
FI-051	JASX 92-93	95
FI-052	JASX 92-93	95
FI-053	JASX 74	94
FI-054	JASX 74-75	95
FI-055	JASX 74-75	95
FI-056	JASX 74-75	95
FI-061	JASX 77-78	118
FI-065	JASX 39 C	117
FI-066	JASX 79	118
FI-080	JASX 89	120
FI-081	JASX 89	120
FI-085	JASX 89	120
FI-086	JASX 52	117
FI-109	JASX 15-6 (4)	91
FI-116	JASX 32-33	91
FI-118	JASX 56-3	93
FI-120	JASX 31	91
FI-130	JASX 92-93	95
FI-131	JASX 92-93	95
FI-133	JASX 57-58	93
FI-134	JASX 57-58	93
FI-159	JASX 94-95	96
FI-168	JASX 66-67	94
FI-172	JASX 92-93	95
FI-173	JASX 92-93	95
FI-174	JASX 94-95	96
FI-175	JASX 94-95	96
FI-181	JASX 94-95	96
FI-182	JASX 94-95	96
FI-185	JASX 94-95	96
FI-186	JASX 94-95	96
FI-189	JASX 66-67	94
FI-191	JASX 77-78	118
FI-192	JASX 66-67	94
FI-193	JASX 66-67	94
FI-194	JASX 80-81	95
FI-195	JASX 80-81	95
FI-196	JASX 36-37	92
FI-197	JASX 36-37	92
FI-198	JASX 34-30	92
FI-200	JASX 74-75	95
FI-304	JAAX 19	145
FI-315	JAAX 12	145
FI-320	JAAX 19	145
FI-321	JAAX 19	145
FI-322	JAAX 19	145
FI-323	JAAX 20	145

FUJI	MEGA	SAYFA NO
FI-324	JAAX 20	145
FI-327	JAAX 19	145
FI-329	JAAX 19	145
FI-330	JAAX 19	145
FI-331	JAAX 9	152
FI-339	JAAX 19	145
FI-340	JAAX 19	145
FI-347	JAAX 19	145
FI-353	JAAX 20	145
FI-354	JAAX 20	145
FI-355	JAAX 32	145
FI-356	JAAX 32	145
FI-357	JAAX 32	145
FI-358	JAAX 20	145
FI-359	JAAX 20	145
FI-360	JAAX 20	145
FI-361	JAAX 20	145
FI-364	JAAX 33	152
FI-368	JAAX 19	145
FI-371	JAAX 20	145
FI-372	JAAX 20	145
FI-373	JAAX 20	145
FI-374	JAAX 20	145
FI-376	JAAX 20	145
FI-378	JAAX 20	145
FI-381	JAAX 32	145
FI-384	JAAX 19	145
FI-391	JAAX 32	145
FI-393	JAAX 35	153
FI-398	JAAX 20	145
FI-403	JAAX 33	152
FI-404	JAAX 35	153
FI-406	JAAX 20	145
FI-407	JAAX 32	145
FJ-002	JASX 71	111
FJ-005	JASX 71	111
FJ-007	JASX 85	119
FJ-012	JASX 71-72	112
FJ-016	JASX 88	120
FJ-025	JASX 96-97	112
FJ-026	JASX 98-99	113
FJ-029	JASX 39 C	117
FJ-030	JASX 98-99	113
FJ-125	JASX 35	116
FJ-126	JASX 70	110
FJ-150	JASX 69-70	110
FJ-151	JASX 69-70	110
FJ-178	JASX 69-70	110
FJ-183	JASX 82-83	112

KÖMÜRLER / BRUSHES

FUJI	MEGA	SAYFA NO
FJ-184	JASX 82-83	112
FJ-189	JASX 70	110
FJ-190	JASX 98-99	113
FJ-191	JASX 70	110
FJ-192	JASX 96-97	112
FJ-192 H	JASX 96-97/K	113
FJ-192-TR	JASX 98-99/K	113
FJ-194	JASX 70	110
FJ-195	JASX 88	120
FJ-200	JASX 70	110
FJ-307	JAAX 16	150
FJ-309	JAAX 25	150
FJ-312	JAAX 25	150
FJ-323	JAAX 9	152
FJ-324	JAAX 24	150
FJ-325	JAAX 25	150
FJ-333	JAAX 9	152
FJ-334	JAAX 25	150
FJ-336	JAAX 24	150
FJ-337	JAAX 24	150
FJ-342	JAAX 24	150
FJ-343	JAAX 31	150
FJ-344	JAAX 24	150
FJ-345	JAAX 31	150
FJ-346	JAAX 33	152
FJ-347	JAAX 34	151
FJ-350	JAAX 35	153
FJ-352	JAAX 36	151
FJ-354	JAAX 34	151
FJ-358	JAAX 35	153
FK-107	JASX 84	118
FK-109	JASX 84	118
FK-113	JASX 66-67	94
FK-114	JASX 66-67	94
FK-115	JASX 89	120
FK-118	JASX 66-67	94
FK-119	JASX 66-67	94
FK-124	JASX 63	117
FK-125	JASX 85	119
FK-127	JASX 63	117
FK-128	JASX 89	120
FK-129	JASX 86-87	120
FK-131	JASX 39 C	117
FK-139	JASX 84	118
FK-140	JASX 84	118
FK-301	JAAX 19	145
FK-302	JAAX 19	145
FK-303	JAAX 9	152
FK-315	JAAX 35	153

FUJI	MEGA	SAYFA NO
FK-316	JAAX 35	153
FM-109	JASX 29	108
FM-121	JASX 70	110
FM-135	JASX 69-70	110
FM-136	JASX 69-70	110
FM-152	JASX 82-83	112
FM-153	JASX 82-83	112
FM-160	JASX 98-99	113
FM-161	JASX 71	111
FM-162	JASX 71	111
FM-164	JASX 70	110
FM-166	JASX 71	111
FM-167	JASX 77-78	118
FM-168	JASX 85	119
FM-171	JASX 85	119
FM-178	JASX 71-72	112
FM-181	JASX 74-75	95
FM-182	JASX 74-75	95
FM-183	JASX 82-83	112
FM-184	JASX 82-83	112
FM-185	JASX 39 C	117
FM-302	JAAX 16	150
FM-304	JAAX 25	150
FM-305	JAAX 25	150
FM-307	JAAX 25	150
FM-309	JAAX 25	150
FM-310	JAAX 16	150
FM-311	JAAX 32	145
FM-312	JAAX 24	150
FM-313	JAAX 9	152
FM-314	JAAX 24	150
FM-315	JAAX 24	150
FM-317	JAAX 9	152
FM-318	JAAX 33	152
FM-319	JAAX 34	151
FM-320	JAAX 35	153
FM-321	JAAX 32	145
FM-322	JAAX 32	145
FM-323	JAAX 32	145
FM-324	JAAX 36	151
FM-325	JAAX 34	151
FM-326	JAAX 34	151
FM-327	JAAX 36	151
FN-006	JASX 36-37	92
FN-007	JASX 36-37	92
FN-015	JASX 66-67	94
FN-016	JASX 66-67	94
FN-018	JASX 36-37	92
FN-027	JASX 70	110

FUJI	MEGA	SAYFA NO
FN-028	JASX 70	110
FN-030	JASX 98-99	113
FN-031	JASX 96-97	
FN-126	JASX 29	108
FN-127	JASX 29	108
FN-197	JASX 56-3/0	93
FN-302	JAAX 12	145
FN-305	JAAX 19	145
FN-312	JAAX 16	150
FN-317	JAAX 19	145
FN-318	JAAX 25	150
FN-330	JAAX 20	145
FN-331	JAAX 20	145
FN-333	JAAX 19	145
FN-336	JAAX 16	150
FN-342	JAAX 20	145
FN-343	JAAX 24	150
FN-344	JAAX 20	145
FN-346	JAAX 20	145
FN-349	JAAX 31	150
FN-352	JAAX 24	150
FN-355	JAAX 20	145
FN-356	JAAX 32	145
FN-357	JAAX 20	145
FN-359	JAAX 20	145
FN-360	JAAX 20	145
FN-361	JAAX 20	145
FN-362	JAAX 20	145
FN-368	JAAX 32	145
FN-372	JAAX 31	150
FN-373	JAAX 32	145
FN-376	JAAX 32	145
FN-377	JAAX 20	145
FN-379	JAAX 20	145
FN-380	JAAX 20	145
FN-382	JAAX 34	151
FN-383	JAAX 36	151
FN-385	JAAX 32	145
FN-389	JAAX 20	145
FN-390	JAAX 32	145
FN-391	JAAX 37	146
FN-393	JAAX 37	146
FN-394	JAAX 36	151
FN-395	JAAX 37	146
FN-396	JAAX 37	146
FN-400	JAAX 36	151
FN-402	JAAX 37	146
FO-301	JAAX 20	145
FO-302	JAAX 20	145



**KÖMÜRLER / BRUSHES**

FUJI	MEGA	SAYFA NO
FR-302	JAAX 9	152
FR-303	JAAX 33	152
FS-125	JASX 39 C	117
FS-127	JASX 85	119
FS-301	JAAX 9	152
FS-304	JAAX 9	152
FS-309	JAAX 35	153
FS-310	JAAX 35	153
FT-114	JASX 63	117
FS-123	JASX 53	117
FT-124	JASX 84	118
FT-127	JASX 84	118
FT-128	JASX 88	120
FT-129	JASX 89	120
FT-130	JASX 85	119
FT-133	JASX 77-78	118
FT-139	JASX 84	118
FT-140	JASX 52	117
FT-142	JASX 88	120
FT-143	JASX 39 C	117
FT-147	JASX 84	118
FT-148	JASX 84	118
FT-149	JASX 84	118
FT-150	JASX 84	118
FT-151	JASX 84	118
FT-305	JAAX 9	152
FT-313	JAAX 33	152
FT-314	JAAX 38	153
FT-315	JAAX 38	153
FT-316	JAAX 35	153
FT-317	JAAX 35	153
FT-318	JAAX 35	153
FT-319	JAAX 33	152
FU-101	JASX 88	120
FV-301	JAAX 20	145
FV-302	JAAX 20	145
FW-111	JASX 94-95	96
FW-112	JASX 94-95	96
FW-116	JASX 84	118
FW-117	JASX 84	118
FW-301	JAAX 20	145
FW-302	JAAX 20	145
FW-303	JAAX 9	152
FY-105	JASX 36-37	92
FY-106	JASX 36-37	92
FY-111	JASX 66-67	94
FY-112	JASX 66-67	94
FY-113	JASX 80-81	95
FY-114	JASX 80-81	95

FUJI	MEGA	SAYFA NO
FY-123	JASX 92-93	95
FY-124	JASX 92-93	95
FY-125	JASX 92-93	95
FY-126	JASX 92-93	95
FY-127	JASX 94-95	96
FY-128	JASX 94-95	96
FY-129	JASX 94-95	96
FY-130	JASX 94-95	96
FY-138	JASX 36-37	92
FY-139	JASX 36-37	92
FY-140	JASX 84	118
FY-143	JASX 36-37	92
FY-148	JASX 74-75	95
FY-149	JASX 94-95	96
FY-150	JASX 94-95	96
FY-151	JASX 36-37	92
FY-153	JASX 94-95	96
FY-155	JASX 84	118
FY-156	JASX 84	118
FY-157	JASX 77-78	118
FY-158	JASX 85	119
FY-159	JASX 88	120
FY-302	JAAX 20	145
FY-303	JAAX 20	145
FY-304	JAAX 20	145
FY-305	JAAX 20	145
FY-306	JAAX 19	145
FY-307	JAAX 20	145
FY-309	JAAX 20	145
FY-313	JAAX 19	145
FY-314	JAAX 19	145
FY-315	JAAX 20	145
FY-317	JAAX 9	152
FY-318	JAAX 34	151
FY-321	JAAX 32	145
FZ-107	JASX 84	118
FZ-108	JASX 88	120
FZ-109	JASX 63	117
FZ-301	JAAX 9	152
HITACHI	MEGA	SAYFA NO
2114-04313	JAS 57	93
2114-05312	JAS 66	94
2114-08312	JAS 58	93
2114-08313	JAS 67	94
2114-2313	JASX 32-33	91
2114-23124	JAS 50	92
2114-3315	JAS 66	94

HITACHI	MEGA	SAYFA NO
2114-43125	JAS 61	92
2114-53126	JAS 55	93
2114-59002	JAS 80	95
2114-63121	JAS 50	92
2114-63125	JAS 49	92
2114-63126	JAS 54	93
2114-6313	JAS 67	94
2114-6313	JAS 67	94
2114-69002	JAS 81	95
2114-73122	JAS 50	92
2114-73123	JAS 59	92
2114-83121	JAS 51	92
2114-83122	JAS 50	92
2114-83123	JAS 60	94
2114-8313	JAS 67	94
2114-93122	JAS 50	92
2120-02601	JAS 95	96
2120-1311	JASX 56-3	93
2120-7312	JASX 56-3/0	93
2130-01310	JAS 95	96
2130-01312	JAS 92	95
2130-02312	JAS 92	95
2130-03311	JAS 92	95
2130-04311	JAS 92	95
2130-04312	JAS 93	95
2130-05312	JAS 36	92
2130-07311	JAS 93	95
2130-07312	JAS 75	95
2130-08311	JAS 37	92
2130-13111	JAS 74	95
2130-23112	JAS 74	95
2130-6312	JASX 34-30	92
2240-01311	JAS 75	95
2240-01312	JAS 75	95
2250-1322	JASX 31	91
2250-01324	JAS 95	96
2250-02323	JAS 94	96
2250-04322	JAS 95	96
2250-05322	JAS 37	92
2250-05323	JAS 37	92
2280-1312	JAS 27	91
2280-1313	JAS 26	91
ISKRA	MEGA	SAYFA NO
16 770 002	BX 202	137
16 770 114	BX 202	137
16 770 188	JX 42	143
16 770 206	PX 60	155

KÖMÜRLER / BRUSHES

ISKRA	MEGA	SAYFA NO
16 905 13	JSX 13	81
16 905 226	BSX 96	52
16 905 235	BSX 157-158	59
16 905 247	BSX 151	58
16 905 294	BSX 102	54
16 905 375	BSX 135-145	55
16 905 376	BSX 134-144	55
16 905 380	BSX 100	53
16 905 387	BSX 34	48
16 905 388	BSX 34	48
16 905 389	BSX 35	48
16 905 392	BSX 96	52
16 905 767	BSX 102	54
16 905 825	BSX 139	56
16 970 206	PX 60	155
LUCAS	MEGA	SAYFA NO
227 305	LAX 9	147
227 541	LAX 23	147
251 108	LASX 5-6	97
271 735	LASX 15-16	97
271 735-1	LASX 15-27	97
54 202 906	LAX 82	149
54 203 641	LAX 80-81	148
54 213 117	LAX 23	147
54 244 848	LASX 40-41	99
54 244 979	LASX 42	99
54 246 258	LASX 44-45	100
54 258 592	LASX 31	98
54 259 517	LASX 36	98
60 600 056	LASX 40-41	99
60 600 205	LASX 46-47-48	100
60 600 767	LASX 73-41	100
60 600 780	LAX 80-81	148
60 600 911	LASX 87-77-78	101
60 600 953	LASX 86-79-80	101
TAB 106	LASX 30-31-32	98
TAB 114	LASX 46-47-48	100
TAB 117	LASX 40-41	99
TAB 118	LASX 36	98
TAB 119	LASX 31	98
TAB 124	LASX 44-45	100
TAB 125	LASX 15-27	97
TAB 128	LASX 5-6	97
TAB 131	LASX 87-77-78	101
ULB 109	LAX 30	148

MAGNETI MARELLI	MEGA	SAYFA NO
400 5010	JS 9	81
404 2681	J 16	142
404 5771	JS 13	81
404 8287	JS 6	81
407 3386	JS 15	82
411 4432	JS 16	82
417 4892	JS 18	82
418 5547	JS 19	82
419 0088	J 30	142
425 5496	JS 16	82
425 9228	JS 5	81
427 8940	J 30	142
429 7856	J 30	142
447 5148	JS 13	81
447 5184	JS 13	81
5127 0652	JS 21	83
5127 0764	JS 31	84
5127 0765	JS 32	84
5127 0803	JS 29/30	84
5127 0805	JS 29/30	84
5174 5137	JS 33	84
5174 5138	JS 34	84
5420 2906	J 43	143
7043 4401	BS 35	48
7216 1301	MAS 26	103
7216 1302	MAS 25	103
7216 1303	MAS 28	103
7216 1304	MAS 27	103
7216 2401	MAS 22	103
7216 2402	MAS 21	103
7216 2403	MAS 24	103
7216 2404	MAS 23	103
7216 3201	MAS 13	102
7236 3202	MAS 14	102
7236 3203	MAS 15	102
7236 3204	MAS 16	102
7236 3205	MAS 15	102
7236 3206	MAS 16	102
7236 3207	MAS 15	102
7237 0901	BS 12	48
7237 0902	BS 12	48
7238 3701	MAS 17	102
7238 3702	MAS 18	102
7238 3703	MAS 19	102
7238 3704	MAS 20	102
7238 3705	MAS 19	102
7238 3706	MAS 20	102
7435 0331	BS 36	49
7437 1190	BS 12	48

MAGNETI MARELLI	MEGA	SAYFA NO
7437 1200	BS 12	48
7437 1260	BS 43	49
7470 2610	JS 9	81
7471 3201	JS 6	81
7473 4101	JS 15	82
7483 8701	JS 18	82
7484 6001	JS 19	82
7486 1781	JS 16	82
7486 8171	JS 5	81
7487 4701	JS 13	81
7487 4741	JS 13	81
7488 0941	JS 21	83
7489 3801	JS 29/30	84
7489 3811	JS 29/30	84
7489 4381	JS 31	84
7489 4391	JS 32	84
7489 9061	JS 31	84
7489 9071	JS 32	84
7493 0001	J 16	142
7499 5241	J 30	142
7499 9471	J 30	142
7901 9316	MAS 17	102
7901 9317	MAS 18	102
7970 5021	J 42	143
7970 7451	J 42	143
80 5581	JS 5	81
80 9775	JS 6	81
8322 0401	JS 33	84
8322 0411	JS 34	84
8322 1191	JS 35	84
8322 1201	JS 36	84
8322 1681	JS 37	85
8322 2631	JS 33	84
8322 2651	JS 34	84
8322 4481	JS 38	85
8322 4621	JS 42	86
8322 5264	JS 39	85
8322 5265	JS 40	85
8322 5266	JS 41	85
8322 6189	JS 38	85
8322 6919	JS 53	87
8322 6920	JS 54	87
8322 7258	JS 33	84
8322 7470	JS 59	86
8322 7490	JS 40	85
8322 7491	JS 39	85
8322 7657	JS 63	87
8322 8257	JS 34	84
85 3160	JS 9	81

**KÖMÜRLER / BRUSHES**

MAGNETI MARELLI	MEGA	SAYFA NO
991 1443	BS 36	49
992 7791	MAS 13	102
992 7792	MAS 14	102
992 8448	MAS 16	102
992 9080	MAS 15	102
993 5196	MAS 17	102
993 5197	MAS 18	102
995 6552	MAS 18	102
995 6556	MAS 17	102
MITSUBISHI	MEGA	SAYFA NO
A647X00771	JAA 24	150
A647X10771	JAA 24	150
A648C00570	JAA 16	150
A648C02970	JAA 34	151
A648D01070	JAA 25	150
A648D01071	JAA 24	150
A648D01670	JAA 24	150
A648D01671	JAA 24	150
A648D01970	JAA 31	150
A648D01971	JAA 31	150
A648D02070	JAA 24	150
A648D02271	JAA 24	150
A648D02570	JAA 34	151
A648D02571	JAA 34	151
A648D02770	JAA 36	151
A648D03070	JAA 36	151
A649T02971	JAA 25	150
A649X04070	JAA 24	150
A990D03070	JAA 36	151
M647C00271	JAS 40	108
M647C00272	JAS 40	108
M647C00371	JAS 42	109
M647C00571	JAS 40	108
M647C00573	JAS 40	108
M647C00671	JAS 42	109
M647C00871	JAS 40	108
M647C01771	JAS 42	109
M647X02071	JAS 40	108
M647X02671	JAS 40	108
M647X03471	JASX 44-28	109
M647X04571	JASX 44-28	109
M647X05571	JASX 44-28	109
M647X05871	JASX 44-28	109
M648C10171	JAS 29	108
M648C10371B	JAS 70	110
M648C10671	JAS 29	108
M648C12170	JAS 69	110

MITSUBISHI	MEGA	SAYFA NO
M648C12370	JAS 69	110
M648C13770	JAS 70	110
M648C14870	JAS 83	112
M648C14871	JAS 83	112
M648C14970	JAS 82	112
M648C14971	JAS 82	112
M648C15070	JAS 83	112
M648C15372	JAS 98	113
M648C15472	JAS 99	113
M648C20371	JAS 47	110
M648C22371	JAS 47	110
M648C24471	JAS 48	110
M648C24472	JAS 48	110
M648C25671	JAS 71	111
M648C25672	JAS 72	112
M648C26371	JASX 96-97	112
M648C31171	JAS 41	108
M648C32971	JAS 43	109
M648C35871	JASX 100	113
M648C35871	JAS 100	113
M648D20671	JAS 48	110
M648D20771	JAS 48	110
M648X28271	JASX 98-99	113
M648X28671	JASX 96-97	112
M649T04372	JAS 90	112
M649T04372	JASX 90	112
MD602018	JAAX 25	150
MD602019	JAAX 25	150
MD602069	JASX 70	110
MD602226	JAAX 25	150
MD602458	JAAX 16	150
MD602468	JASX 69-70	110
MD602470	JASX 69-70	110
MD602750	JAAX 25	150
MD602783	JAAX 24	150
MD602797	JAAX 25	150
MD604018	JAAX 9	152
MD604240	JASX 22	116
MD604643	JASX 39	116
MD604916	JASX 85	119
MD607373	JAAX 24	150
MD607389	JASX 69-70	110
MD607420	JASX 69-70	110
MD607554	JASX 82-83	112
MD607556	JASX 82-83	112
MD607949	JASX 70	110
MD611024	JASX 71	112
MD611035	JAAX 34	151
MD611216	JASX 40-41	108

MITSUBISHI	MEGA	SAYFA NO
MD611217	JASX 40-41	108
MD611566	JAAX 34	151
MD611689	JAAX 36	151
MD611731	JASX 42-43	109
MD611918	JASX 42-43	109
MD618460	JASX 98-99	113
ME021981	JAAX 9	152
ME700047	JASX 71-72	112
ME700127	JASX 98-99	113
ME700140	JASX 96-97	112
ME700290	JASX 71-72	112
ME700424	JAAX 31	150
ME700858	JASX 71	111
ME700939	JASX 71-72	112
ME701169	JASX 96-97	112
ME701186	JAAX 31	150
ME701188	JASX 98-99	113
ME702997	JAAX 33	152
MM502344	JASX 70	110
MM502377	JAAX 31	150
VALEO	MEGA	SAYFA NO
618 691	USX 91-92	80
075 411	PX 52-54	155
092 859	SVX 7	155
092 967	SVX 7	155
095 788	PX 52-54	155
095 984	PX 52-54	155
096 026	PX 52-54	155
096 304	PX 52-54	155
096 322	PX 52-54	155
096 334	PX 52-54	155
182 051	PSX 138-139	127
182 054	PSX 140-141	127
182 064	PSX 115-116	125
182 065	PSX 129	125
182 066	PSX 133	126
182 067	PSX 133	126
182 068	PSX 130	126
182 071	PSX 115-116	125
182 114	PSX 81-82	123
182 116	PSX 115-116	125
182 118	PSX 132	126
182 132	PSX 83-84	124
182 134	PSX 83-84	124
182 145	PSX 83-84	124
182 146	PSX 112	124
182 194	USX 44-21	80

KÖMÜRLER / BRUSHES

VALEO	MEGA	SAYFA NO
20 856	USX 73-85	80
300 679	PSX 81-82	123
300 687	PSX 130	126
300 706	PSX 133	126
300 722	PX 60	155
300 796	SVX 7	155
300 821	SVX 7	155
583 041	USX 91-92	80
594 060	PSX 148-149/0	129
594 062	PSX 148-149/0	129
594 063	PSX 148-149/0	129
594 065	PSX 129	125
594 066	PSX 133	126
606 384	USX 73-85	80
608 267	UX 79-80/0	155
608 272	UX 79-80/0	155
609 592	USX 73-85	80
609 778	USX 73-85	80
618 481	USX 60-59	80
618 491	USX 73-85	80
618 570	USX 60-59	80
72 592	PSX 115-116	125
72 617	PSX 115-116	125
72 619	PSX 115-116	125
72 630	PSX 83-84	124
72 631	PSX 81-82	123
72 734	PSX 115-116	125
73 829	PSX 115-116	125
75 217	USX 44-21	80
75 238	USX 60-59	80
75 411	PX 52-54	155
75 707	PSX 132	126
78 865	PSX 83-84	124
78 900	PSX 112	124
92 435	PSX 115-116	125
92 655	PSX 115-116	125
92 878	PSX 129	125
92 883	PSX 130	126
92 914	PSX 133	126
92 925	PSX 132	126
594 286	PSX 89-90	124
182 070	PSX 119-120	125
182 073	PSX 122-123-124	125
300 841	PSX 136-137	127
IKA	MEGA	SAYFA NO
0 1089 1	BSX 206-207	65
0 1094 1	BSX 216-217	66

IKA	MEGA	SAYFA NO
0 1096 1	BSX 220-221	67
0 1098 1	BSX 233 (4)	68
0 1099 1	BSX 36	49
0 1100 1	BSX 12	48
0 1102 1	BSX 33	48
0 1103 1	BSX 34	48
0 1104 1	BSX 35	48
0 1105 1	BSX 39	49
0 1106 1	BSX 43	49
0 1121 1	BSX 70	50
0 1123 1	BSX 74	50
0 1124 1	BSX 75	51
0 1125 1	BSX 76	51
0 1127 1	BSX 85	52
0 1132 1	BSX 96	52
0 1136 1	BSX 100	53
0 1138 1	BSX 102	54
0 1147 1	BSX 134-144	55
0 1148 1	BSX 135-145	55
0 1149 1	BSX 137-143	55
0 1151 1	BSX 139	56
0 1152 1	BSX 140	56
0 1154 1	BSX 146	56
0 1155 1	BSX 147	56
0 1156 1	BSX 148	57
0 1157 1	BSX 149	57
0 1158 1	BSX 151	58
0 1162 1	BSX 152	58
0 1163 1	BSX 156	59
0 1165 1	BSX 157-158	59
0 1166 1	BSX 159-160	59
0 1168 1	BSX 163-164	59
0 1169 1	BSX 165	60
0 1170 1	BSX 197	64
0 1171 1	BSX 170-171	60
0 1172 1	BSX 172-173	60
0 1173 1	BSX 166	60
0 1174 1	BSX 177	61
0 1175 1	BSX 175-176	61
0 1176 1	BSX 178-179	61
0 1177 1	BSX 180-181	61
0 1179 1	BSX 186	62
0 1183 1	BSX 190-191	63
0 1184 1	BSX 192-193	63
0 1186 1	BSX 194-195	63
0 1187 1	BSX 196	64
0 1209 1	BSX 238	69
0 1212 1	BSX 234-235	69
0 1215 1	BSX 233 (6)	68

IKA	MEGA	SAYFA NO
0 1216 1	BSX 229-230	68
0 1219 1	BSX 224-225	67
0 1220 1	BSX 222-223	67
0 1250 1	RX 120	74
0 1251 1	RX 120	74
0 1252 1	RX 911	78
0 1254 1	RX 419-420	77
0 1255 1	RX 457-458	78
0 1256 1	RX 122 H	74
0 1257 1	RX 124 H	75
0 1262 1	RX 119	141
0 1263 1	RX 140-141	141
0 1266 1	RX 103	140
0 1267 1	RX 103 F	140
0 1269 1	RX 106	140
0 1270 1	RX 117	141
0 1272 1	RX 913-914	79
0 1280 1	RX 122	74
0 1281 1	RX 124	75
0 1282 1	RX 134	76
0 1283 1	RX 135	77
0 1284 1	RX 60	72
0 1285 1	RX 70	72
0 1287 1	RX 87	73
0 1290 1	RX 132-133	141
0 1294 1	RX 120/0(2)	73
0 1295 1	RX 120/0(4)	73
0 1296 1	RX 92	73
0 1321 1	UX 79-80/0	155
0 1351 1	USX 44-21	80
0 1355 1	USX 60-59	80
0 1361 1	USX 73-85	80
0 1367 1	USX 91-92	80
0 1405 1	JX 16	142
0 1415 1	JX 30-31	142
0 1433 1	JX 42	143
0 1434 1	JX 43	143
0 1451 1	JSX 5	81
0 1454 1	JSX 9	81
0 1457 1	JSX 13	81
0 1458 1	JSX 15	82
0 1459 1	JSX 16	82
0 1461 1	JSX 18	82
0 1462 1	JSX 19	82
0 1464 1	JSX 21-22	83
0 1466 1	JSX 23-24-28	83
0 1470 1	JSX 31-32	84
0 1471 1	JSX 33-34	84
0 1472 1	JSX 35-36	84

**KÖMÜRLER / BRUSHES**

İKA	MEGA	SAYFA NO
0 1473 1	JSX 35-37	85
0 1474 1	JSX 38-39-40	85
0 1475 1	JSX 38-41	85
0 1478 1	JSX 43-45-44 (4)	86
0 1490 1	JSX 70-71	88
0 1492 1	JSX 74-75-76-77	88
0 1526 1	FX 67	144
0 1527 1	FX 70-71	89
0 1528 1	FX 70-72	89
0 1550 1	LAX 9	147
0 1553 1	LAX 23	147
0 1558 1	LAX 29	148
0 1559 1	LAX 30	148
0 1561 1	LAX 31-32	148
0 1569 1	LAX 80-81/0	148
0 1570 1	LAX 82	149
0 1692 1	PLX 10	154
0 1603 1	LASX 76	101
0 1604 1	LASX 5-6	97
0 1608 1	LASX 15-16	97
0 1609 1	LASX 15-27	97
0 1612 1	LASX 46-47-48	100
0 1613 1	LASX 30-31-32	98
0 1614 1	LASX 31	98
0 1615 1	LASX 36	98
0 1617 1	LASX 40-41	99
0 1618 1	LASX 42	99
0 1621 1	LASX 73-41	100
0 1623 1	LASX 86-79-80	101
0 1624 1	LASX 87-77-78	101
0 1628 1	LASX 44-45	100
0 1663 1	MASX 13-14	102
0 1664 1	MASX 15-16	102
0 1665 1	MASX 17-18	102
0 1666 1	MASX 19-20	102
0 1668 1	MASX 21-22	103
0 1669 1	MASX 23-24	103
0 1670 1	MASX 25-26	103
0 1671 1	MASX 27-28	103
0 1688 1	PLX 5	122
0 1690 1	PLSX 3	122
0 1712 1	PX 52-54	155
0 1719 1	PX 60	155
0 1746 1	PSX 81-82	123
0 1747 1	PSX 89-90	124
0 1750 1	PSX 83-84	124
0 1755 1	PSX 112	124
0 1757 1	PSX 115-116	125
0 1760 1	PSX 119-120	125

İKA	MEGA	SAYFA NO
0 1761 1	PSX 122-123-124	125
0 1766 1	PSX 129	125
0 1767 1	PSX 130	126
0 1769 1	PSX 132	126
0 1770 1	PSX 133	126
0 1771 1	PSX 136-137	127
0 1774 1	PSX 148-149/0	129
0 1775 1	PSX 138-139	127
0 1776 1	PSX 140-141	127
0 1779 1	PSX 142-143	128
0 1781 1	SVX 7	155
0 1782 1	SVX 10	156
0 1800 1	HPIX 1	158
0 1802 1	HPIX 3	158
0 1803 1	HPIX 4	158
0 1900 1	JAAX 9	152
0 1901 1	JAAX 12	145
0 1902 1	JAAX 16	150
0 1905 1	JAAX 20	145
0 1906 1	JAAX 19	145
0 1909 1	JAAX 31	150
0 1910 1	JAAX 24	150
0 1911 1	JAAX 25	150
0 1912 1	JAAX 32	145
0 1913 1	JAAX 33	152
0 1914 1	JAAX 34	151
0 1915 1	JAAX 35	153
0 1916 1	JAAX 36	151
0 1917 1	JAAX 28	152
0 1918 1	JAAX 37	146
0 1919 1	JAAX 38	153
0 1933 1	JASX 101-102	121
0 1933 1	JASX 101-102	121
0 1934 1	JASX 34-30	92
0 1935 1	JASX 35	116
0 1937 1	JASX 36-37	92
0 1938 1	JASX 39	116
0 1939 1	JASX 39 C	117
0 1940 1	JASX 14	115
0 1941 1	JASX 44-28	109
0 1942 1	JASX 15-6 (4)	91
0 1943 1	JASX 1	115
0 1945 1	JASX 22	116
0 1946 1	JASX 2	115
0 1948 1	JASX 49-61	92
0 1949 1	JASX 29	108
0 1950 1	JASX 59-60	94
0 1951 1	JASX 32-33	91
0 1952 1	JASX 31	91

İKA	MEGA	SAYFA NO
0 1953 1	JASX 40-41	108
0 1954 1	JASX 42-43	109
0 1956 1	JASX 45-46	106
0 1957 1	JASX 47-48	110
0 1958 1	JASX 56-3/0	93
0 1959 1	JASX 56-3	93
0 1960 1	JASX 57-58	93
0 1961 1	JASX 50-51	92
0 1962 1	JASX 52	117
0 1963 1	JASX 53	117
0 1964 1	JASX 54-55	93
0 1966 1	JASX 63	117
0 1967 1	JASX 70	110
0 1969 1	JASX 66-67	94
0 1971 1	JASX 69-70	110
0 1972 1	JASX 71-72	112
0 1973 1	JASX 71	111
0 1974 1	JASX 74-75	95
0 1975 1	JASX 74	94
0 1977 1	JASX 77-78	118
0 1978 1	JASX 26-27	91
0 1979 1	JASX 24-25	107
0 1980 1	JASX 23	106
0 1982 1	JASX 80-81	95
0 1983 1	JASX 82-83	112
0 1984 1	JASX 84	118
0 1985 1	JASX 85	119
0 1986 1	JASX 86-87	120
0 1987 1	JASX 21 (4)	107
0 1988 1	JASX 88	120
0 1989 1	JASX 90	112
0 1990 1	JASX 91	106
0 1991 1	JASX 89	120
0 1996 1	JASX 18-19	116
0 1997 1	JASX 79	118
0 1998 1	JASX 16-17	105
0 1999 1	JASX 100	113
FORD VISTEON	MEGA	SAYFA NO
F00U-11055-AA	FX 70-71	89
F00U-11056-AA	FX 70-71	89
F00U-11056-AA	FX 70-72	89
F3RU-11055-AA	FX 70-72	89
F1DU-10260-AA	FX 67	144
502 680 6	FX 68	144
5 026 806	FX 73	89
F7RU-11434-BA	FX 74	89
F7 RU-11056-CA	FX 75	90

**KÖMÜRLER / *BRUSHES***

FORD VISTEON	MEGA	SAYFA NO
1C3U-11434-AA	FX 76-77	90



**KARDEŞ**

Elektrik Sanayi ve Ticaret A.Ş.

[www.kardeselektrik.com.tr](http://www.kardeselektrik.com.tr)  
[info@kardeselektrik.com.tr](mailto:info@kardeselektrik.com.tr)

Eski Londra Asfaltı No: 6 - 34295 Sefaköy - İstanbul / Turkey

Tel: +90 (212) 624 92 04 Fax: +90 (212) 541 35 59