

2010



**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 Kardeş Elektrik'in yazılı izni olmadan tamamen veya kısmen çoğaltılamaz. Bu katalogta 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 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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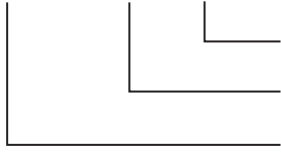
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KÖMÜR YUVALARI / *BRUSH HOLDERS*

ÜRÜN KODLAMA SİSTEMATIĞI / *ABBREVIATIONS*

BO 1581



KONUMLAMA / *POSITIONING*

KÖMÜR REFERANS NO / *BRUSH REFERENCE NUMBER*

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

FO: FORD

HI: HITACHI

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*



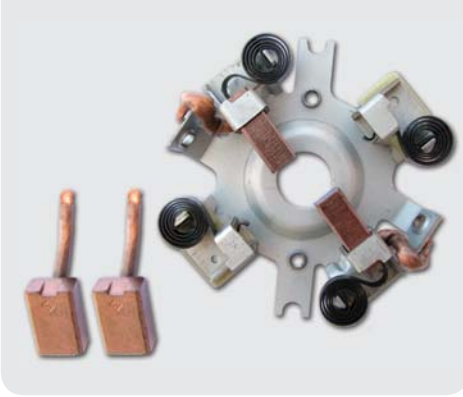
KÖMÜR YUVALARI

BRUSH HOLDERS



KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing BOSCH

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 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

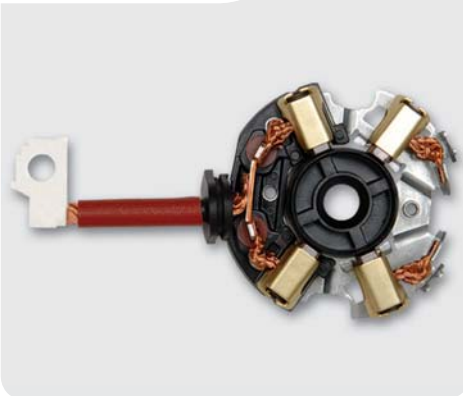
ARAÇ MODELİ / VEHICLE MODEL

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

SCANIA

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

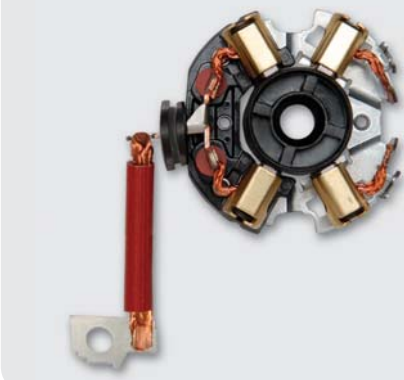
BMW 7.30 - 2.8
OPEL ASTRA 1.8i, 2.0i,
FRONTERA, OMEGA
VECTRA 1.8i
RENAULT EXPRES 1.9D
MEGANE 1.9D,
CLIO 1.9D, R9/19 1.9D
VOLVO S40 1.9D

4 KÖMÜRLÜ / WITH 4 BRUSHES

KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing BOSCH



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

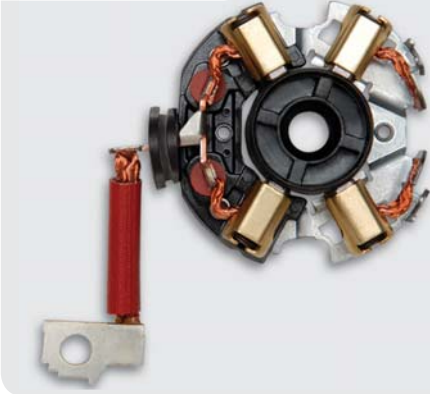
0 001 109 011, 012, 023, 029, 044, 047
110 001, 002, 009, 010, 014, 015, 018, 031-033, 047, 057-062, 069, 070, 073, 076, 077, 080, 081, 084-087, 099, 119 124 004
125 001-013, 016-019, 021, 022, 505, 506
DB / DW (L) 12 V 1.7-2.0 kW saat yönü tersi / anticlockwise
kablo boyu / cable length 70mm

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

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
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

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

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

VOLKSWAGEN LT 35
RENAULT CLIO 1.9D
MERCEDES 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

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



KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing BOSCH

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

ARAÇ MODELİ / VEHICLE MODEL

VOLKSWAGEN	TRANSPORTER 2.0,
LADA	SAMARA
SEAT	INCA
PORSCHE	CARRERA 1.6
CHRYSLER	VOYAGER 1.4 KW

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

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

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

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	

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

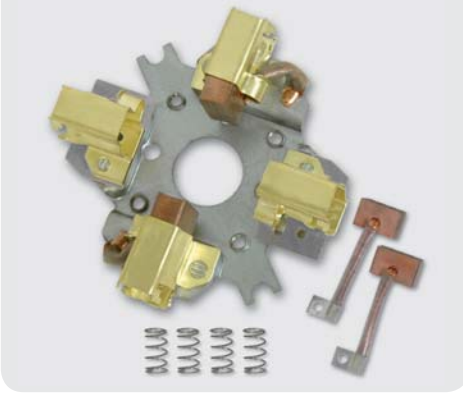
0 001 114 005, 006

DA (L) 12 V 0.9 kW saat yönü tersi / anticlockwise
kablo boyu / cable length 105 mm

ARAÇ MODELİ / VEHICLE MODEL

SEAT	TOLEDO
VOLSKWAGEN	POLO, JETTA, PASSAT TRANSPORTER

4 KÖMÜRLÜ / WITH 4 BRUSHES

BO 1641**BSX 163/164** **10x25x15** **12 Volt****UYGUN OEM NO / REPLACING OE-REF**

2 004 336 028, 044, 067

MOTOR NO / UNIT NO0 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**ARAÇ MODELİ / VEHICLE MODEL**

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

4 KÖMÜRLÜ / WITH 4 BRUSHES**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
DA (L) 12 V 0.9 kW saat yönü tersi / anticlockwise
DM (R) 12 V 0.8-1.0 kW saat yönü ve saat yönü tersi / clockwise
and anticlockwise**ARAÇ MODELİ / VEHICLE MODELS**

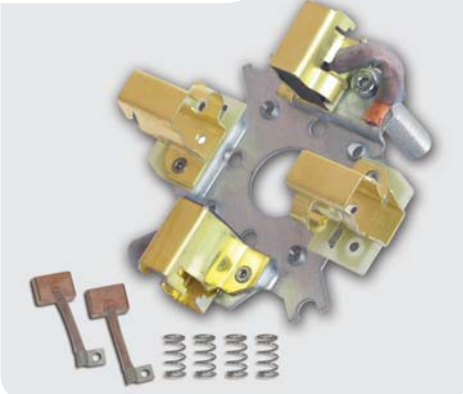
SEAT	CORDOBA, IBIZA, TOLEDO
VOLSKWAGEN	GOLF, LUPO, POLO, PASSAT, CADDY
AUDI	
SKODA	OCTAVIA
ALFA ROMEO	
FORD	SIERRA, ESCORT, FIESTA

4 KÖMÜRLÜ / WITH 4 BRUSHES**BO 1711****BSX 170-171** **10x25x15** **24 Volt****UYGUN OEM NO / REPLACING OE-REF**

2 004 336 066, 086

MOTOR NO / UNIT NO0 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**ARAÇ MODELİ / VEHICLE MODEL**

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

4 KÖMÜRLÜ / WITH 4 BRUSHES**BO 1712****BSX 170-171** **10x25x15** **24 Volt****UYGUN OEM NO / REPLACING OE-REF**

2 004 336 085, 087

MOTOR NO / UNIT NO0 001 372 001, 004, 006
IE/JE (R) 24V 6.2 kW**ARAÇ MODELİ / VEHICLE MODEL**

MERCEDES	ACTROS
-----------------	--------

4 KÖMÜRLÜ / WITH 4 BRUSHES



KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing BOSCH

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

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
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 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

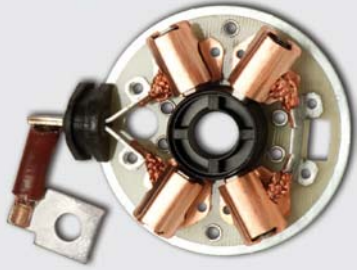
ARAÇ MODELİ / VEHICLE MODEL

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

KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing BOSCH



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

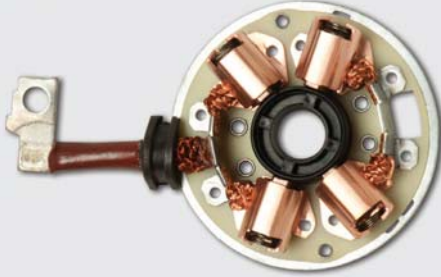
0 001 231 001 - 014, 017, 018, 019, 023, 024, 026, 030, 033-035
EV (R) 24 V 4.0 kW saat yönü / clockwise
HE95 - M 24V (R)

ARAÇ MODELİ / VEHICLE MODEL

MAN LE 18.250B
MERCEDES ATEGO, AXOR, UNIMOG
VOLVO FL 6180 KAMYON /
TRUCK
TOURINO 0510,
CITARO 0530 OTOBÜS /
BUS

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

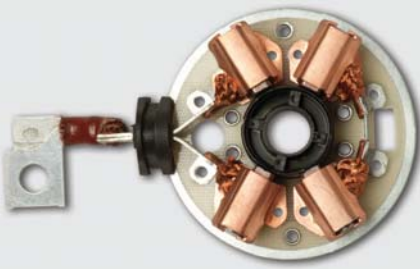
0 001 223 001-014, 016, 018, 019, 021, 022, 056
0 001 218 602, 620
703, 710, 712, 715, 716
805, 808, 809, 812, 814-822
EV (L/R) 12V. 2.3 kW

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

4 KÖMÜRLÜ / WITH 4 BRUSHES

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
EV (R) 12V 3.0 kW
HE95-M 12V (R)

ARAÇ MODELİ / VEHICLE MODEL

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

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

ARAÇ MODELİ / VEHICLE MODEL

DAF 45, FA 45
LEYLAND KAMYON / TRUCK

4 KÖMÜRLÜ / WITH 4 BRUSHES



KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing BOSCH

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

ARAÇ MODELİ / VEHICLE MODEL
VOLKSWAGEN LT 35 2.0

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

ARAÇ MODELİ / VEHICLE MODEL
VOLKSWAGEN

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

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

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

4 KÖMÜRLÜ / WITH 4 BRUSHES

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)

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

4 KÖMÜRLÜ / WITH 4 BRUSHES

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 NO0 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 NO0 001 108 200, 201, 206, 207, 220, 221, 228, 229, 237, 238
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**

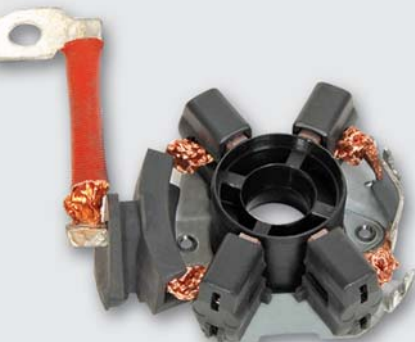
VOLKSWAGEN PASSAT W 3 4.0,
TOUAREG
AUDI A4, A8

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 NO0 001 108 203
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

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
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
AUDI A3 2.0 TDI



KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing BOSCH

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
DB/DW (R) 1.2 kW
RF 74-M40 12 V (R)
R 74-M40 12 V (R)
R 74-M60 12 V (R)
kablo boyu / cable length 65 mm

4 KÖMÜRLÜ / WITH 4 BRUSHES

ARAÇ MODELİ / VEHICLE MODEL

VOLKSWAGEN 001 911 023,
036 911 023 S,
085 911 023 H
SEAT CORDOBA, IBIZA 1.4,
LUPO 1.4

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

ARAÇ MODELİ / VEHICLE MODEL

FORD CONNECT, FOCUS,
MONDEO

2 KÖMÜRLÜ / WITH 2 BRUSHES**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

ARAÇ MODELİ / VEHICLE MODEL

FORD CONNECT, FOCUS,
FIESTA, MONDEO

4 KÖMÜRLÜ / WITH 4 BRUSHES**FO 0751**

FX-75 8,2x18,9x17,8 12 Volt

UYGUN OEM NO / REPLACING OE-REF

F7RU-11434-BA

MOTOR NO / UNIT NO

97BB-11000-BB, BC, 97VB-11000-AA, AB
98AB-11000-AC, 98VB-11000-BA, B1A, B3A
12V 1.9 kW

ARAÇ MODELİ / VEHICLE MODEL

FORD TRANSIT,
MOTORCRAFT V.184
VISTEON

4 KÖMÜRLÜ / WITH 4 BRUSHES



KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing HITACHI

HI 4551



JASX 54-55 **4,5x14x15** **12 Volt**

UYGUN OEM NO / REPLACING OE-REF

2114 - 23106, 53105, 63104, 73105

MOTOR NO / UNIT NO

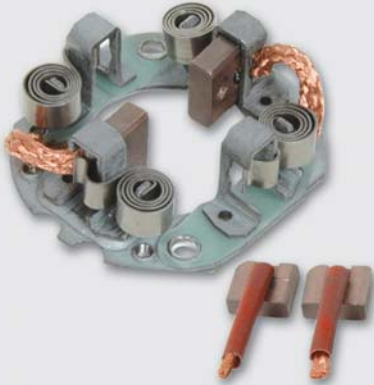
S114 - 750, 758, 762A, 762B, 765, 766A, 775A,
780, 800, 800A, 800B, 801A, 801B, 801C, 804, 805A,
806A, 808, 816, 818A, 850

ARAÇ MODELİ / VEHICLE MODEL

OPEL COMBO 1.7 DIESEL
ASTRA 1.7 TD,
VECTRA B 1.7 TD
NISSAN MAXIMA, PRIMERA

3 KÖMÜRLÜ / WITH 3 BRUSHES

HI 4751



JASX 74-75 **7x19x16** **12 Volt**

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

ARAÇ MODELİ / VEHICLE MODEL

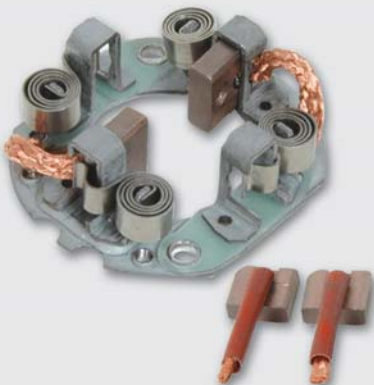
NISSAN PICK UP 2300D, 2500D
2700D, ALMERA
PRIMERA, SUNNY
TERRANO 2.7 TD
CABSTAR

BEDFORD

VOLVO 240, 740, 760
OPEL CORSA 1.5, 1.7 D
BMC LEVEND
NISSAN 2500/3000 D
ISUZU

4 KÖMÜRLÜ / WITH 4 BRUSHES

HI 4752



JASX 74-75 H **7x19x16** **24 Volt**

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

ARAÇ MODELİ / VEHICLE MODEL

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

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

ARAÇ MODELİ / VEHICLE MODEL

KIA BONGO, PREGIO, BESTA
ISUZU FORKLIFT 2.2 KW
NISSAN

Isuzu 1-81116-023-0

1-81116-024-0

5-81116-024-0

5-81116-025-0

8-97030-389-0

Nissan 23379-J5500

23380-J5500

23331-Z9002

23331-Z9003

28331-Z9000

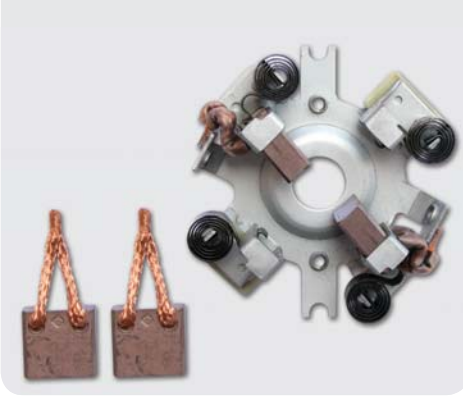
28331-Z9001

4 KÖMÜRLÜ / WITH 4 BRUSHES

KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing MAKO-MAGNETI MARELLI



MA 3241



MASX 23-24 10x25x23 12 Volt

UYGUN OEM NO / REPLACING OE-REF
721 647 01MOTOR NO / UNIT NO
632 168 17, 18, 31, 52, 61, 84, 96

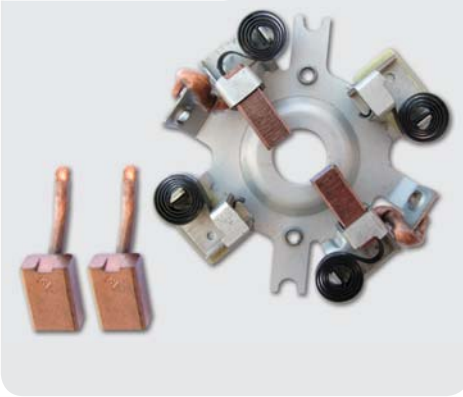
ARAÇ MODELİ / VEHICLE MODEL

CHRYSLER
DODGE DESOTO-FARGO, AS900
FIAT TRAKTÖR / TRACTOR
FORD D1210, CARGO, GENOTO
BEDFORD

JOHN DEERE
LOMBARDINI,
M. FERGUSON
TOE

4 KÖMÜRLÜ / WITH 4 BRUSHES

MA 5261



MASX 25-26 9x16x23 12 Volt

UYGUN OEM NO / REPLACING OE-REF
2 004 336 021MOTOR NO / UNIT NO
0631 180 01009
0632 071 43 00

ARAÇ MODELİ / VEHICLE MODEL

FIAT AGRICULTURE,
ALLIS, COMMERCIAL

4 KÖMÜRLÜ / WITH 4 BRUSHES



KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing MITSUBISHI

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 TIP /
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 SEPHIA
PEUGEOT
MAZDA

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

KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing MITSUBISHI



MI 1711



JASX 71 8x24x17 12 Volt

UYGUN OEM NO / REPLACING OE-REF
M649T02171MOTOR NO / UNIT NO
MITSUBISHI
M2T60071-073, 60171, 60185, 60271, 60371
92071, 92271

ARAÇ MODELİ / VEHICLE MODEL

MAZDA

MITSUBISHI

PAJERO GALANT

L300 EM

PROTON

PERSONA

4 KÖMÜRLÜ / WITH 4 BRUSHES

MI 2431



JASX 42-43 4,5x18x17,5 12 Volt

UYGUN OEM NO / REPLACING OE-REF
M649T01671MOTOR NO / UNIT NO
M1T74081, 74181, 74281, 74283, 74381, 74481, 74482, 74581,
74583, 74781, 74781A, 75181, 75281, 75283,
75381, 75581, 75681, 76081, 76281

ARAÇ MODELİ / VEHICLE MODEL

SUBARU

IMPREZA, LEGACY,
OUTBACK

3 KÖMÜRLÜ / WITH 3 BRUSHES

MI 2831



JASX 82-83/4 7x10x17 12 Volt

UYGUN OEM NO / REPLACING OE-REF
M649T01371, 02271, 04871MOTOR NO / UNIT NO
M2T2018D, 32782D, 37081, 41181, 41182, 42481, 42781,
42881, 42981, 44081, 48081, 49281, 49282

ARAÇ MODELİ / VEHICLE MODEL

HYUNDAI

ACCENT, ELANTRA,
SONATA,

323, 626

MAZDA

NISSAN

PATROL, BLUEBIRD,
VANETTE, PICK UP,
TERRANO

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

ARAÇ MODELİ / VEHICLE MODEL

HYUNDAI ACCENT, ELANTRA, PONY,
SONATA, ERA
MAZDA 323, 626
NISSAN CHERRY, MICRA, SUNNY,
PRAIRIE,
MITSUBISHI COLT, CELESTE, CORDIA,
GALANT, LANCER, L200,
L300, PAJERO
PROTON PERSONA

3 KÖMÜRLÜ / WITH 3 BRUSHES
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

M0T20871
M321X45071

ARAÇ MODELİ / VEHICLE MODEL

CITROEN BERLINGO, C4, C5,
C8, C15, EVASION,
JUMPER, JUMPY,
XANTIA, XSARA
FIAT DUCATO, SCUDO, ULYSSE
PEUGEOT 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)

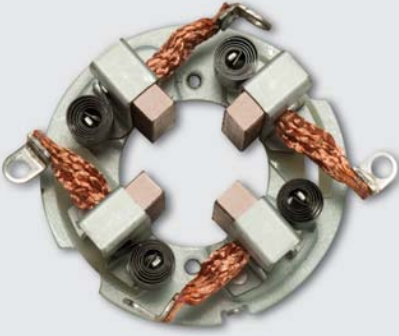
4 KÖMÜRLÜ / WITH 4 BRUSHES

KÖMÜR YUVALARI/BRUSH HOLDERS - Replacing MITSUBISHI

**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,
MAZDA	323, 626,
SUZUKI	VITARA

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	CUMMINS
DODGE	TRACTOR
GMC	TRACTOR
HINO	5.5 KW, KIRKAYAK

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	CORONA, COROLLA CARINA, CAMRY, CELICA
HONDA	ACCORD
DAIHATSU	APPLAUSE

4 KÖMÜRLÜ / WITH 4 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

ARAÇ MODELİ / VEHICLE MODEL

KIA	SPORTAGE, BESTA CERES
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

4 KÖMÜRLÜ / WITH 4 BRUSHES

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

VOLKSWAGEN GOLF, JETTA, PASSAT
TRANSPORTER
RENAULT 9, R 11, R21, CLIO
MEGANE, TRAFFIC
SAFRANE
SEAT
CITROEN
PEUGEOT 309,
VOLVO 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**

VOLKSWAGEN GOLF, JETTA, PASSAT
TRANSPORTER
RENAULT 9, R 11, R21, CLIO
MEGANE, TRAFFIC
SAFRANE
SEAT
CITROEN
PEUGEOT 309
VOLVO 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, 6 8, 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

RENAULT 5, 9, 19, 21, MEGANE
TRAFFIC, CLIO 1.2, 1.4
FORD 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**

RENAULT 5, 9, 19, 21, MEGANE
TRAFFIC, CLIO 1.2, 1.4
FORD ESCORT, FIESTA

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	A 140, A 160
PEUGEOT	
CITROEN	
VOLKSWAGEN	

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 NOD6RA7, 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

UYGUN OEM NO / REPLACING OE-REF

594318, 323, 359, 364

MOTOR NO / UNIT NO

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

ARAÇ MODELİ / VEHICLE MODEL

OPEL	
RENAULT	

2 KÖMÜRLÜ / WITH 2 BRUSHES

HP 0010

HPIX 1 **6,95x12,4x20,3** **12 Volt**
UYGUN OEM NO / REPLACING OE-REF

Elektrikli direksiyon pompaları için / For electric steering pumps

MOTOR NO / UNIT NO

7701470783

ARAÇ MODELİ / VEHICLE MODEL
PEUGEOT

106, SAXO

RENAULT

CLIO, KANGOO

KABLOSUZ VE KONEKTÖRSÜZ / WITHOUT CABLE AND CONNECTOR
4 KÖMÜRLÜ / WITH 4 BRUSHES
HP 0011

HPIX 1 **6,95x12,4x20,3** **12 Volt**
UYGUN OEM NO / REPLACING OE-REF

Elektrikli direksiyon pompaları için / For electric steering pumps

MOTOR NO / UNIT NO

7701470783

ARAÇ MODELİ / VEHICLE MODEL
PEUGEOT

106, SAXO

RENAULT

CLIO, KANGOO

KOMPLE / COMPLETE
KABLOLU VE KONEKTÖRLÜ / WITH CABLE AND CONNECTOR
4 KÖMÜRLÜ / WITH 4 BRUSHES



MARŞ MOTORU KÖMÜRLERİ

STARTER BRUSHES



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

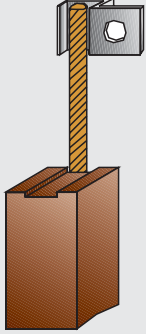
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 12

1 007 014 100



4-BS 12

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

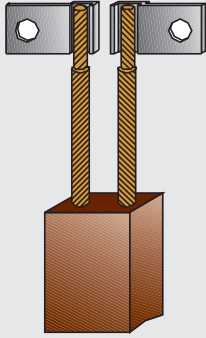
9x13x25,5

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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

INTER
HANOMAG
STEYR
MERCEDES

BSX 33

2 007 014 020



4-BS 33

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

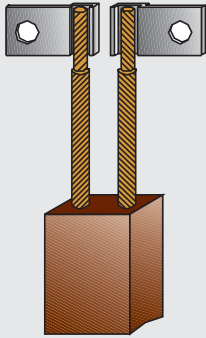
9x20x28,5

0 001 400 016,
401 051

RENAULT

BSX 34

2 007 014 021
1 007 014 107



4-BS 34

Gerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

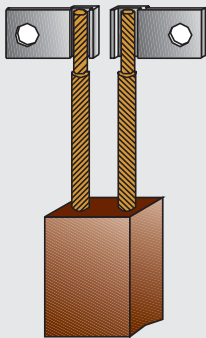
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402 001, 7-9, 011, 012, 018, 023, 034, 041, 043,
044, 050, 052-061, 065, 066, 068, 069, 071,
072, 074, 075, 077, 079-081

SCANIA VABIS
MAN
MAGIRUS
VOLVO

BSX 35

1 007 014 109
2 007 014 047



4-BS 35

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

12x20x28,5

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

MERCEDES
VOLVO
MAGIRUS

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH



Takım Sipariş Kodu / Set Order Code

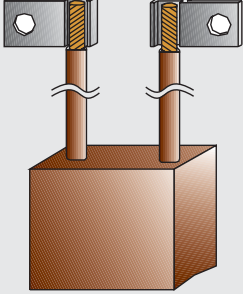
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 36

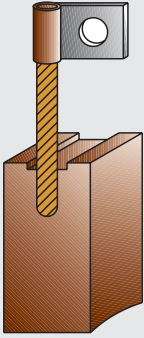
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**4-BS 36**

0 001 501 001, 3, 5, 6, 13, 14, 19, 24, 31, 32, 34, 35, 38, 41

SCANIA VABIS
MAGIRUS
MERCEDES
VOLVOGerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**12x36x30****BSX 39**

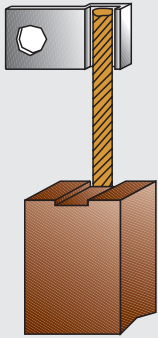
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**4-BS 39**

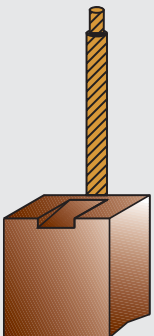
0 001 355 009, 11, 13, 15-17, 19, 20

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**



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

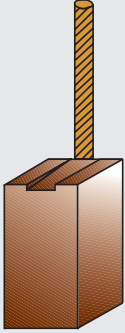
Özellikler
Properties

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)

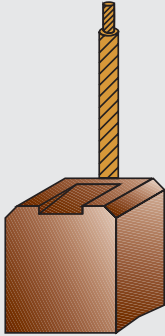
7x16x18

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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)

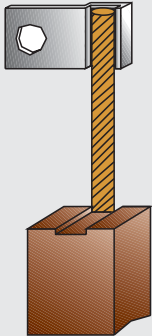
7x14x16

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334 101-104

OPEL SEAT
KADETT
INCA
TERRA

BSX 74

2 007 014 000
2 007 014 024



4-BS 74

Gerilim / Voltage
(Volt)

6/12

Ölçü / Dimension
(mm)

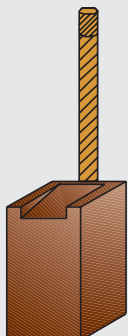
7x14x17,5

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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

BSX 75

2 007 014 026



4-BS 75

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7x10x18

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

FORD OPEL
MERCEDES
GXL 1.1 L, 1.3 L

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH



Takım Sipariş Kodu / Set Order Code

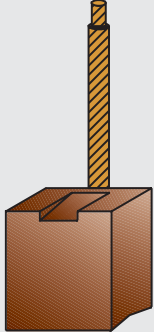
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 76

1 007 014 119
1 007 014 121
1 007 014 127

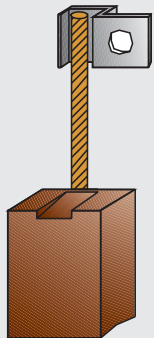
**4-BS 76**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7x16x18**

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

BSX 82

2 007 014 041

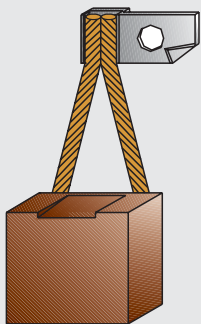
**4-BS 82**Gerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**7x16x22**

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

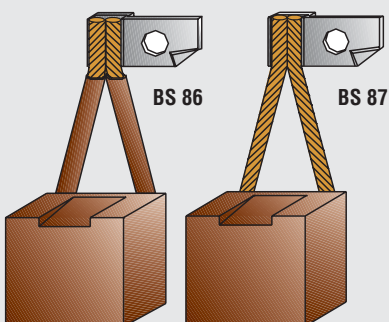
**4-BS 85**Gerilim / Voltage
(Volt)**12/ 24**Ölçü / Dimension
(mm)**8x25x23**

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

**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

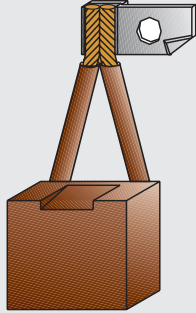


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

BSX 96

2 007 014 044
2 007 014 052



Özellikler
Properties

4-BS 96

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

10x25x23

Motor Numarası / Unit No.

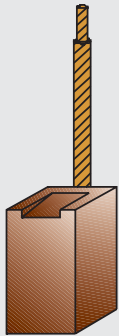
0 001 358 200-2
0 001 359 001-4, 6-8, 10-14, 16, 18-21, 23-41, 043-51,
53-69, 71-76, 81-92, 94-102, 104-14, 17-19, 22,
24
0 001 365 004-008
9 000 143 107, 9-11

Araç Modeli/Vehicle Model

IVECO 49 NC
DODGE AS 600
MACK

BSX 98

1 007 014 126
1 007 014 133



4-BS 98

Gerilim / Voltage
(Volt)

12/24

Ölçü / Dimension
(mm)

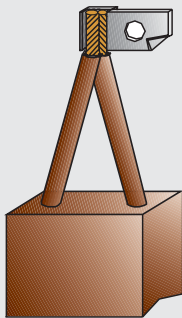
7x10x18

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)

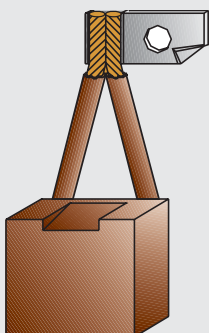
12x36x27

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

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH



Takım Sipariş Kodu / Set Order Code

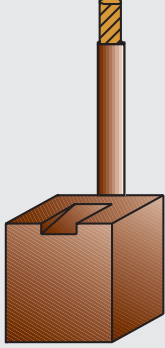
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 101

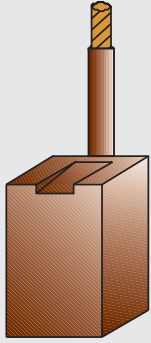
2 007 014 040

**4-BS 101**

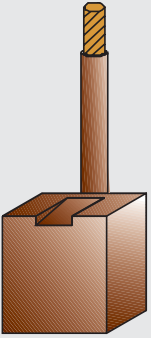
0 001 362 034-42, 45-53, 57-64, 67, 69-79, 81-83, 98,
99, 111, 322, 700
0 001 363 104, 5, 7, 9, 11, 13, 16
0 001 366 001-6, 8-22, 24-29, 46
9 000 143 204, 408

Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**9x16x18****MERCEDES
MAGIRUS****BSX 102**

2 007 014 053

**4-BS 102**

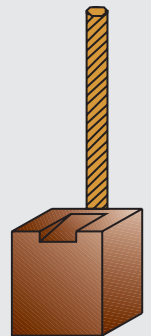
0 001 357 002,
0 001 362 001-9, 11-17, 19,
021-25, 27-30, 32, 33
9 000 143 400, 2, 4-7, 9

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**



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

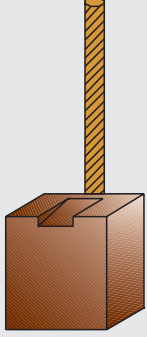
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 124

1 007 014 127



4-BS 124

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

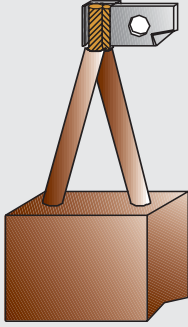
7x16x18

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

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

BSX 131

2 007 014 061
2 007 014 036



4-BS 131

Gerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

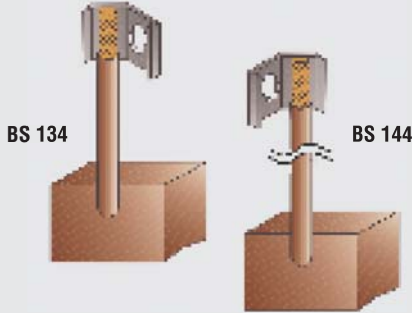
12x36x27

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



2-BS 134
2-BS 144

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

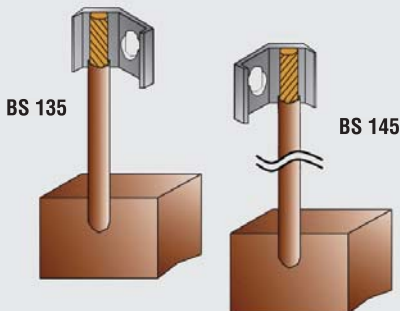
10x25x17

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



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

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

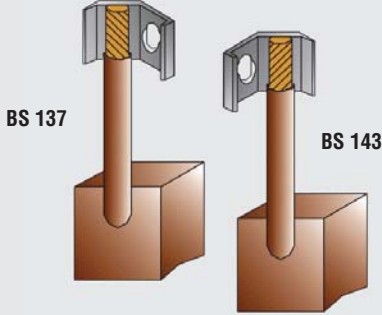


Takım Sipariş Kodu / Set Order Code

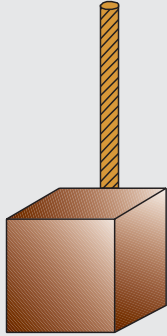
Özellikler
Properties

Motor Numarası / Unit No.

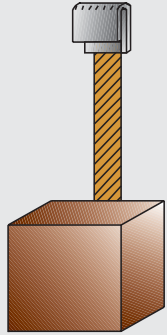
Araç Modeli/Vehicle Model

BSX 137-1432 007 014 065
2 007 014 068**2-BS 137**
2-BS 143Gerilim / 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** TRAKTÖR/TRACTOR
IVECO
MERCEDES
DAIMLER KAMYON / TRUCK
FORD TRANSIT 100-
120-150-190-80, SCORPIO
FIAT OTOBÜS / BUS**BSX 139**

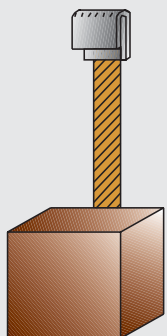
2 007 014 040

**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

**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
CADDY, JETTA
GOLF
KAMYON / TRUCK
AUDI
CITROEN
FORD GRANADA
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
UNO
FORD CAPRI
ESCORT
GRANADA
TAUNUS
LANCIA Y10



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

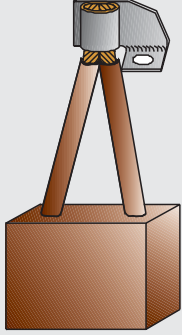
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 147

2 007 014 067



4-BS 147

0 001 420 001-15, 24-29

NISSAN
FIAT TRAKTÖR / TRACTOR
VOLVO KAMYON / TRUCK

Gerilim / Voltage
(Volt)

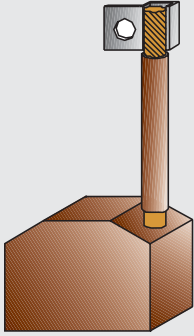
24

Ölçü / Dimension
(mm)

10x36x27

BSX 148

2 007 014 070



4-BS 148

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

DAF
MERCEDES
MAN
IVECO
SCANIA
VOLVO
KÄSSBOHRER
LEYLAND
RENAULT

Gerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

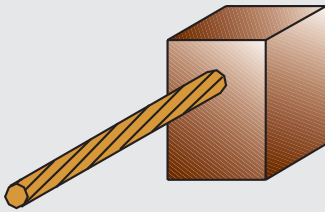
12x36x27

BSX 149

1 007 014 139

1 007 014 141

1 007 014 145



4-BS 149

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

FIAT PANDA, TIPO, UNO
FORD CAPRI, ESCORT I-II
GRANADA, TAUNUS
LANCIA Y10
VOLKSWAGEN GOLF
PASSAT
JETTA
POLO

Gerilim / Voltage
(Volt)

12

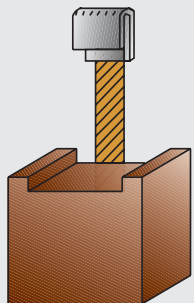
Ölçü / Dimension
(mm)

7x10x14

AUDI

BSX 151

1 007 014 143



4-BS 151

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

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

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7,5x18x17/19

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH



Takım Sipariş Kodu / Set Order Code

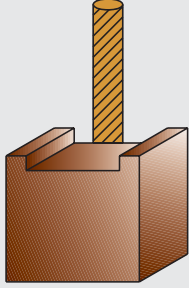
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 151-0

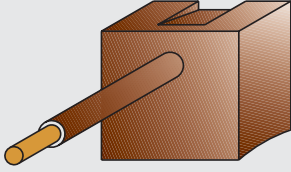
1 007 014 143

**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 300Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7,5x18x17**

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

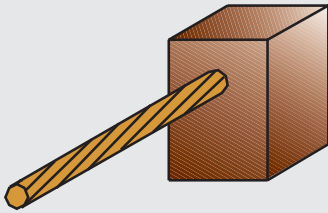
1 007 014 144

**4-BS 152**

0 001 317 014, 15, 20, 21

Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7x16x15**

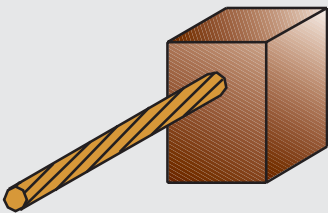
OPEL ASTRA, VECTRA
VOLKSWAGEN CADDY
 JETTA, GOLF
AUDI
CITROEN
FORD GRANADA
VOLKSWAGEN
 KAMYON/TRUCK
IVECO

BSX 1541 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
9 000 333 104,06,09,14,17,20,21Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7x10x14**

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

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
9 000 333 104,06,09,14,17,20,21Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7x10x14**

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



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

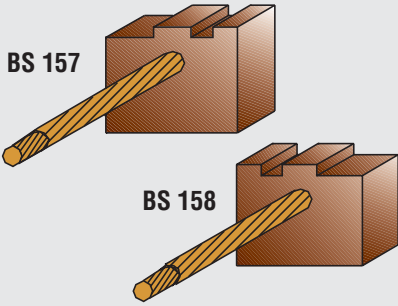
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 157-158

1 004 320 110
1 004 320 111



2-BS 157
2-BS 158

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

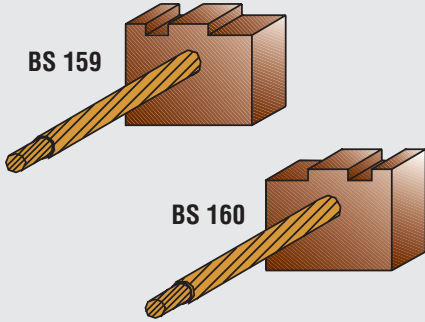
6x18x13/14,5

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 AL0 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

BSX 159-160

1 004 320 113
1 004 320 114



2-BS 159
2-BS 160

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

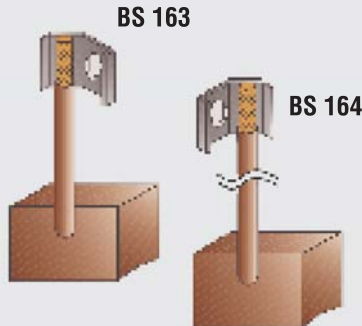
5x16x11,5/13

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

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

BSX 163-164

2 007 014 073
2 007 014 076



2-BS 163
2-BS 164

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

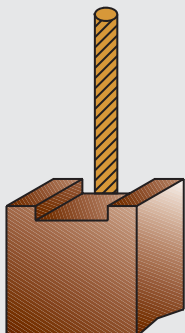
10x25x15

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

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

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

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

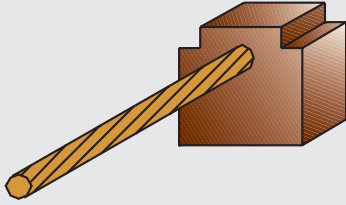
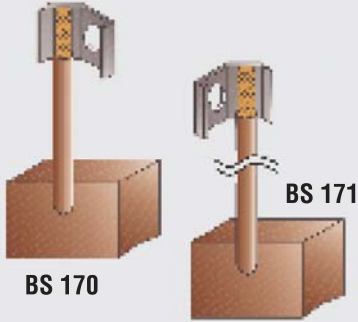


Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

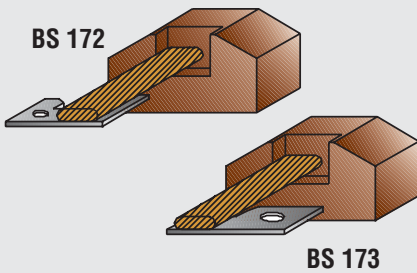
BSX 1661 004 336 217
1 004 336 815
1 004 336 915**4-BS 166**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**5x12x11,6**0 001 112 003-16, 19-25,
027-29, 32, 39, 41, 44, 45
113 001-15
114 003-06, 08-10, 14-18
020-22
133 003, 04
9 000 081 003, 10ALFA ROMEO 145, 146
AUDI A3
CITROEN BERLINGO
FORD
OPEL 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

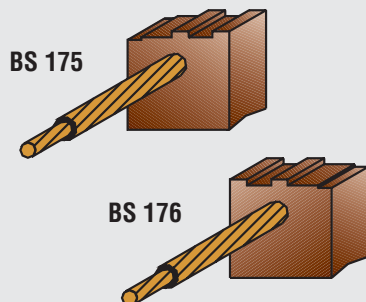
**2-BS 170
2-BS 171**Gerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**10x25x15**0 001 364 300, 301, 400, 402
372 001-008IVECO
DAF
MERCEDES ACTROS**BSX 172-173**

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, 10DAF
SCANIA
MERCEDES 111
IVECO
VOLVO**BSX 175-176**1 004 336 219
1 004 336 309
1 04 336 444

BS 175

BS 176

**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, 07AUDI A4, A6
CITROEN
FIAT DUCATO
FORD ESCORT
MONDEO
OPEL VECTRA
PEUGEOT 306, 406
BOXER
PARTNER
SEAT CORDOBA
IBIZA
SKODA TOLEDO
VOLKSWAGEN OCTAVIA
POLO
GOLF, JETTA



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 177

2 007 014 082



4-BS 177

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

MERCEDES AXOR
ACTROS
SCANIA
DAF

Gerilim / Voltage
(Volt)

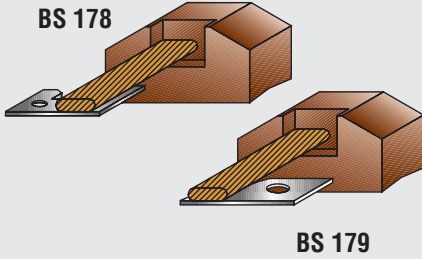
24

Ölçü / Dimension
(mm)

9x36x18

BSX 178-179

2 007 014 080



BS 178

BS 179

2-BS 178
2-BS 179

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

FORD TAUNUS
MERCEDES UNIMOG
VOLVO

Gerilim / Voltage
(Volt)

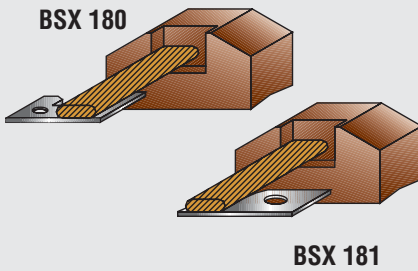
12

Ölçü / Dimension
(mm)

12x36x19

BSX 180-181

2 007 014 081



BSX 180

BSX 181

2-BS 180
2-BS 181

0 001 418 016

MAGIRUS

Gerilim / Voltage
(Volt)

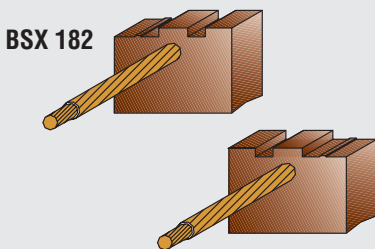
12

Ölçü / Dimension
(mm)

12x36x19

BSX 182-183

1 004 320 161
1 004 320 162



BSX 182

BSX 183

2-BS 182
2-BS 183

0 001 124 018, 019

VOLKSWAGEN
AUDI LUPO
A2, 1,2, TDI
3L

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

6x20x13/14,5

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH



Takım Sipariş Kodu / Set Order Code	Özellikler / Properties	Motor Numarası / Unit No.	Araç Modeli / Vehicle Model
BSX 184-185 1 004 320 163 1 004 320 164 	2-BS 184 2-BS 185 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 4,6x12x10,5/11,2	0 001 107 401-404, 406, 407, 410, 411, 415	OPEL CORSA COMBO ASTRA MERCEDES SPRINTER 214, 314 AUDI FORD FOCUS FIAT ALBEA DOBLO
BSX 190-191 9 003 334 359 9 003 334 360 	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	MERCEDES ATEGO CITARO VARIO MAN
BSX 192-193 6 033 ADO 011 6 033 ADO 012 	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 	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	MERCEDES



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

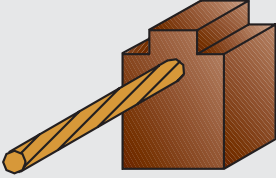
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BSX 196

1 004 320 158



4-BS 196

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

Gerilim / Voltage
(Volt)

12

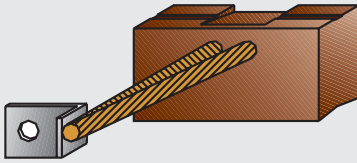
Ölçü / Dimension
(mm)

5x8,5x10,5/11,5

CITROEN SAXO
XSARA
BERLINGO
PEUGEOT 206, 306
PARTNER

BSX 197

2 007 014 072



4-BS 197

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

Gerilim / Voltage
(Volt)

12

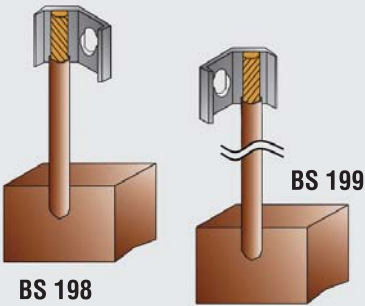
Ölçü / Dimension
(mm)

9x36x18

MERCEDES
VOLKSWAGEN

BSX 198-199

2 004 320 163
2 004 320 164



2-BS 198
2-BS 199

0 001 368 083

Gerilim / Voltage
(Volt)

24

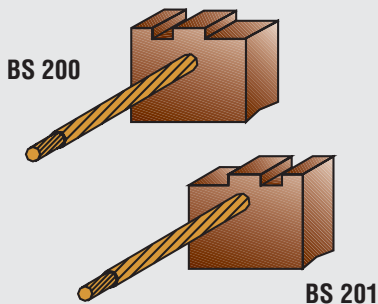
Ölçü / Dimension
(mm)

8x25x13

DAF
LEYLAND

BSX 200-201

1 004 320 175
1 004 320 176



2-BS 200
2-BS 201

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

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

6x18x12,7/14,2

AUDI
VOLKSWAGEN
SEAT
SKODA 1.9 TDI

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH

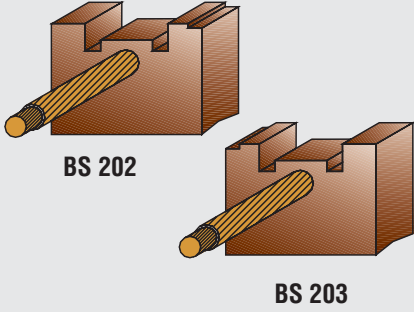


Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

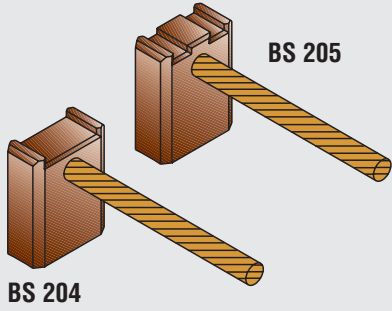
Araç Modeli/Vehicle Model

BSX 202-2036 033 ADO 263
6 033 ADO 2642-BS 202
2-BS 2030 001 330 004, 007, 008, 011-013, 17, 501, 502
340 501-503MAN
SCANIA
VOLVO
FORD CARGO
REDÜKTÖRLÜ MARŞLAR /
WITH REDUCER STARTERGerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

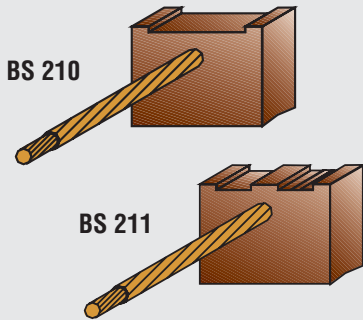
9x32x23

BSX 204-2051 004 320 177
1 004 320 1782-BS 204
2-BS 2050 001 120 400-411
106 403-407, 409, 410AUDI A2
SEAT CORDOBA, IBIZA
SKODA FABIA
VOLKSWAGEN BORA
FOX, GOLF, POLOGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

4,6x10x12,0/12,7

BSX 210-2111 004 320 179
1 004 320 1802-BS 210
2-BS 211

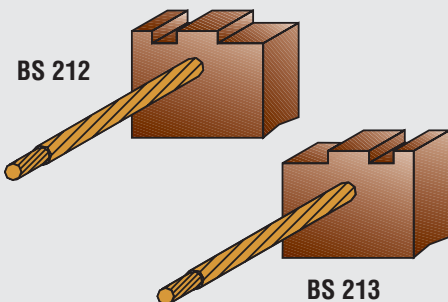
0 001 108 400-404, 408-12, 20, 21, 45, 46

CITROEN BERLINGO 2.0 HDI
MERCEDES C/CLK/E 200, 270Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

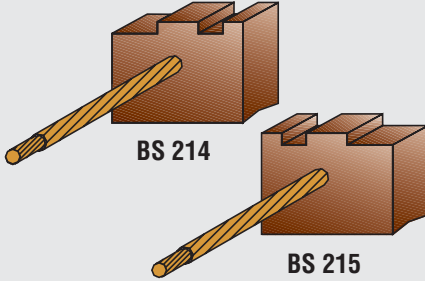
4,6x16x11,5/12,2

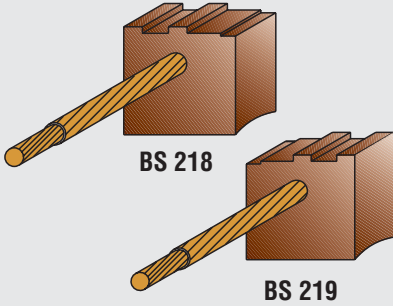
BSX 212-2131 004 320 183
1 004 220 1842-BS 212
2-BS 2130 001 108 200-204, 206-209,
211-214, 217, 218, 20-25, 28-31, 34
237, 37-40ALFA ROMEO 147, 156 1.9 JTD
FIAT MAREA, PALIO
PUNTO, STILO
STRADA 1.9 JTD
LANCIA LYBRA
1.9 JTD
BMW 545i, 645Ci
COUPE, X5 4.4iGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

5x16x11,5/13


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing BOSCH
Takım Sipariş Kodu / Set Order Code
**Özellikler
Properties**
Motor Numarası / Unit No.
Araç Modeli/Vehicle Model
BSX 214-215
**1 004 320 185
1 004 320 186**

**2-BS 214
2-BS 215**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
6x18x11/12,5
**0 001 115 008, 21, 25, 35, 39-41
045-54,70-73**
AUDI A3 1.9, 2.0, 2.5,
TDI, A8
SEAT CORDOBA 1.4
VOLKSWAGEN
GOLF V, 1.9
2.0, TDI,
TOUAREG 3.2
TOURAN 2.0
TDI,
TRANSPORTER T5

BSX 218-219
**1 004 320 230
1 004 320 231**

**2-BS 218
2-BS 219**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
5x12x10,6/11,6
**0 001 107 103-106
121 024-031**
SEAT CORDOBA
IBIZA
VOLKSWAGEN
CADDY, GOLF
LUPO, POLO
CLASSIC
VENTO

Takım Sipariş Kodu / Set Order Code

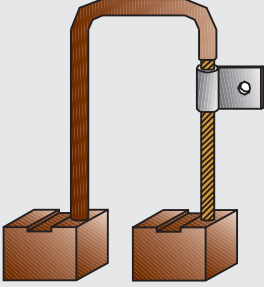
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

CHX 4

2 275 249



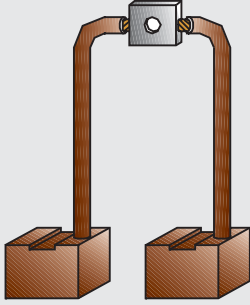
2-CH 4

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

8,8x17,6x13

DODGE
DESOTO
CHRYSLER**CHX 6**

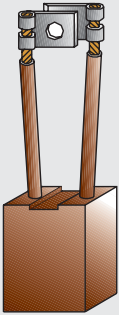
2-CH 6

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

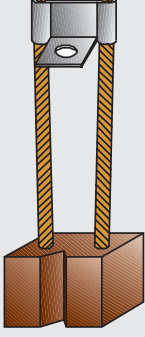
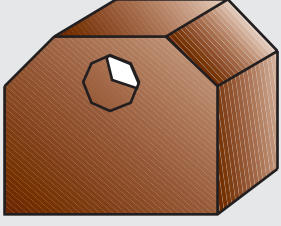
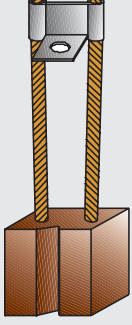
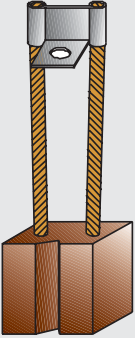
Ölçü / Dimension
(mm)

9x20x26

CA4512, CA45C12, CA45LC12, CA45D12

DODGE
BMC
COMMER
LEYLAND


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing DELCO - REMY

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

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing DELCO-REMY



Takım Sipariş Kodu / Set Order Code

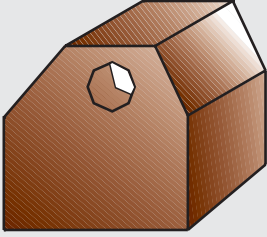
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

RX 87

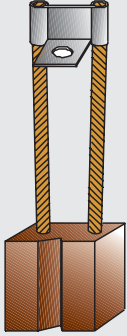
1 906 958
1 906 962
190968
190987

**4-R 87**

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

Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**9,5x19,05x19****IHC
DODGE,
MACK,**AS 600,
ALL, CHAL**RX 92**

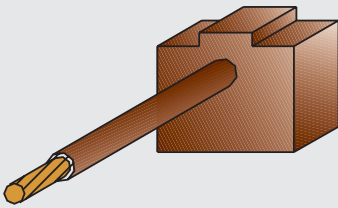
1 906 918
1 906 989

**4-R 92**

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

Gerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**7,9x19,05x19****CATERPILLAR****RX 120/0 (2)**

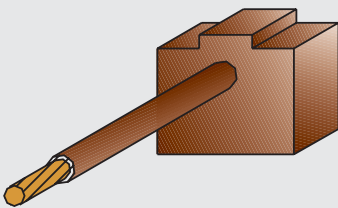
3 471 625

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

3471150

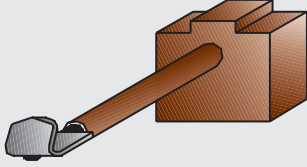
Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**6x16x14****OPEL**CORSA
ASCONA
MANTA
VOYAGE**RX 120/0 (4)**

3 471 783
3 471 834

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

3471155, 169, 170, 173-176

Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**6x16x14****OPEL**CORSA
ASCONA
MANTA,
VOYAGE


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing DELCO - REMY
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**

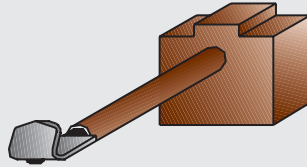
3471143

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**

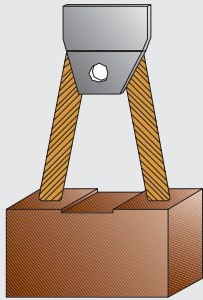
3471141, 144

OPEL
CORSA
ASCONA
MANTA
VOYAGE

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

6x16x14
RX 122
1 852 884

4-R 122

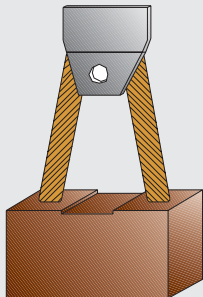
 1114825, 4836, 4881, 4908, 4920
1990218, 1990325
40 MT 400, 450

**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

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing DELCO-REMY



Takım Sipariş Kodu / Set Order Code

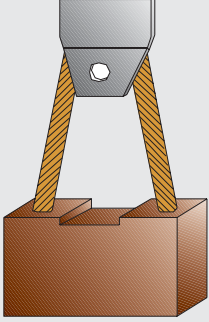
Özellikler
Properties

Motor Numarası / Unit No.

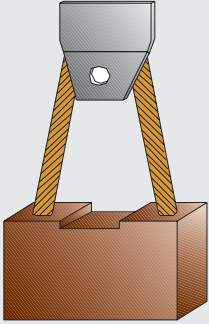
Araç Modeli/Vehicle Model

RX 124

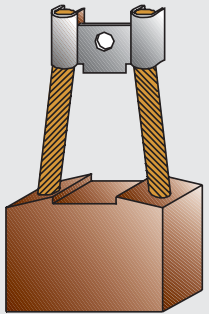
1 852 887

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

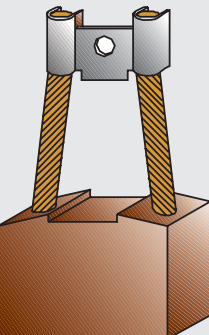
1 852 888

**6-R 124 H**1114683, 84, 86, 89
50 MT 400Gerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**7,9x38,1x20,6****CATERPILLAR
CUMMINS
KOMATSU
MACK
VOLVO****RX 134**

1 852 892

**4-R 134**10478802, 10478803, 10478824, 10478894
1990337, 348, 349, 352, 354, 358, 363 365, 374, 375, 377,
379, 386, 398
1993400, 420, 431, 468, 470, 483, 484 489
824, 935, 937, 942, 975, 977 984
42 MTGerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**10,5x36,6x24,4****BMC FATİH KAMYON /
TRUCK
CATERPILLAR****RX134 H**

1 852 894

**4-R 134 H**10478836, 10478892, 10478998
1990344, 1990350, 1990367, 1990378, 1990453,
1990456, 1993801, 1993802, 1993808, 1993940,
1993945, 1993998, 1993999
42 MTGerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**10,5x36,6x24,4****CATERPILLAR**



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing DELCO - REMY

Takım Sipariş Kodu / Set Order Code

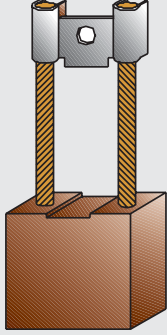
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

RX 135

1 852 889



4-R 135

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

Gerilim / Voltage
(Volt)

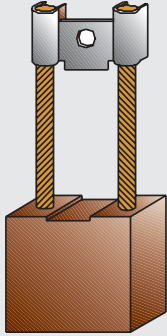
12

Ölçü / Dimension
(mm)

9,5x28,6x26,3

RX 135 H

1 852 893



4-R 135 H

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

Gerilim / Voltage
(Volt)

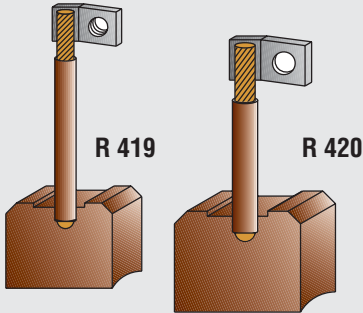
24

Ölçü / Dimension
(mm)

9,5x28,6x26,3

RX 419-420

1 045 711 9
1 045 712 0



2-R 419
2-R 420

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

Gerilim / Voltage
(Volt)

24

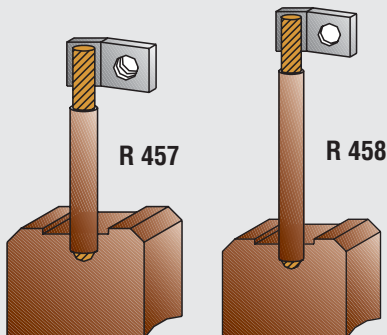
Ölçü / Dimension
(mm)

7,9x24,8x19,5

JOHN DEERE
NEW HOLLAND
IVECO KAMYON /
TRUCK

RX 457-458

1 045 645 7
1 045 645 8



2-R 457
2-R 458

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

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7,9x24,8x19,5

IVECO MK

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing DELCO-REMY



Takım Sipariş Kodu / Set Order Code

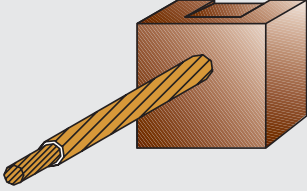
Özellikler
Properties

Motor Numarası / Unit No.

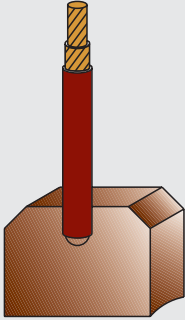
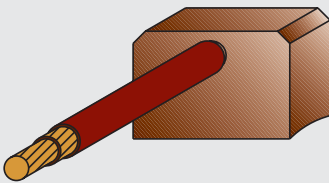
Araç Modeli/Vehicle Model

RX 911

1 852 898

**4-R 911**

9000751, 56, 58

OPEL UNIT-NOS
DAEWOO ESPEROGerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**5,5x15x14,5****K 008****4-K 008**19011501
0986018370
39MT**MERCEDES** AXOR
ACTROS
TRAVEGO
CITARO
TOURISMOGerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**8x30x22,6****K 010****4-K 010**

19011512

BMC FATİH KAMYON /
TRUCK PRO
822 / 827
CUMMINSGerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**9,5x32x22**



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing DUCELLIER

Takım Sipariş Kodu / Set Order Code

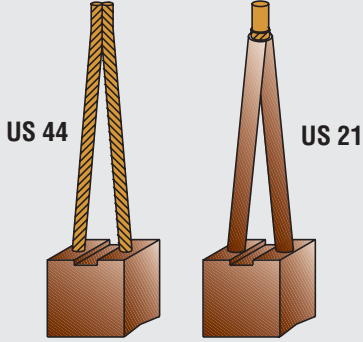
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

USX 44-21

75217



1-US 44
1-US 21

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

Gerilim / Voltage
(Volt)

6/12

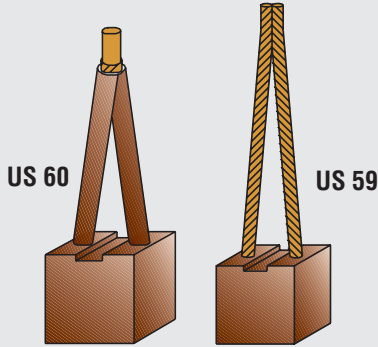
Ölçü / Dimension
(mm)

8x15x15

RENAULT

USX 60-59

75 238
618 491



1-US 60
1-US 59

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, 61ABCFEH, 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

Gerilim / Voltage
(Volt)

12

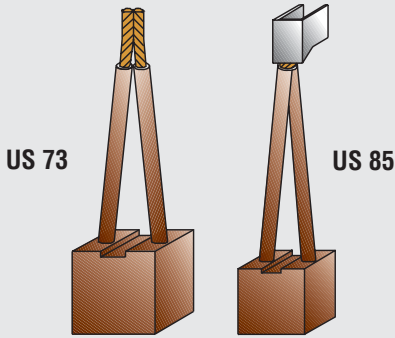
Ölçü / Dimension
(mm)

8x15x15

RENAULT
PEUGEOT 403-404

USX 73-85

618 491



1-US 73
1-US 85

6020EF, 35F, 77BC, 81EF
6134FGH, 36ABD, 37ABCE, 39BC, 44AB
6155HIKL, 61ABCFEH, 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

Gerilim / Voltage
(Volt)

12

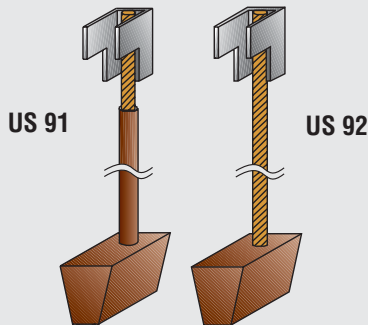
Ölçü / Dimension
(mm)

8x15x15

CITROEN
PEUGEOT
RENAULT R5, R12, R14

USX 91-92

583041
618691
618692



1-US 91
1-US 92

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

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

6/11, 7x13x15

CHRYSLER
CITROEN

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing FIAT

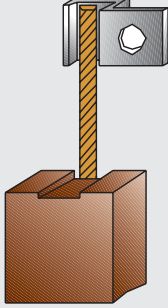


Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

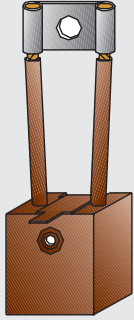
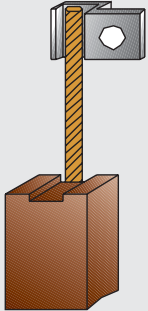
JSX 5748 681 71
805 581**2-JS 5**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**6x16x17**

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

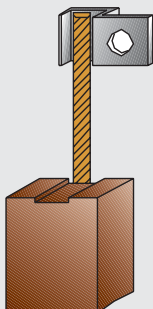
**4-JS 6**Gerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**10x20x23****FIAT****JSX 9**853 160
747 026 10**4-JS 9**Gerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**6,5x14x20**

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



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing FIAT

Takım Sipariş Kodu / Set Order Code

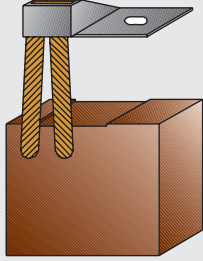
Özellikler
Properties

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

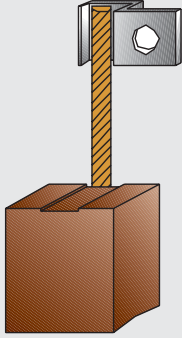
Ölçü / Dimension
(mm)

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

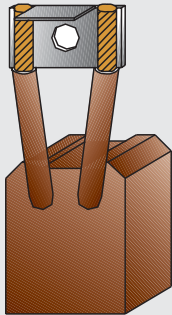
Ölçü / Dimension
(mm)

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

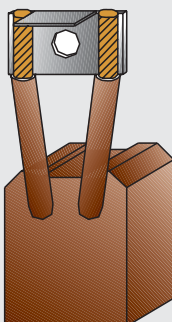
Ölçü / Dimension
(mm)

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

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing FIAT

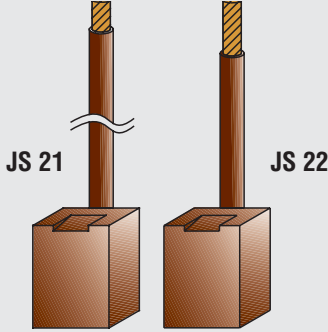


Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

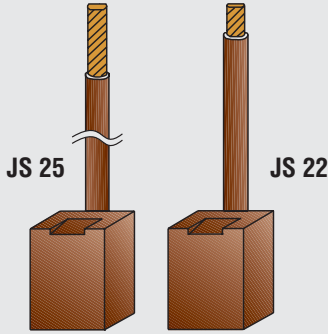
Araç Modeli/Vehicle Model

JSX 21-22748 811 51
748 809 211-JS 21
2-JS 22E95-0, 9-12
E95-1, 0-12
632 213 30, 32-35, 38
214 30, 31
215 31, 32, 34, 35, 38
216 33, 37Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

6x13x17,5

TOFAŞ
FIAT
FORDDOBLO
TAUNUS
SIERRA
CAPRI
TRANSITANADOL
FORDTUZLA
JEEP
9-11RENAULT
PEUGEOT
BMW**JSX 25-22**748 811 51
748 883 61
855 303 001-JS 25
3-JS 22E-95-1/12
632 214 30
215 32, 38Gerilim / Voltage
(Volt)

12

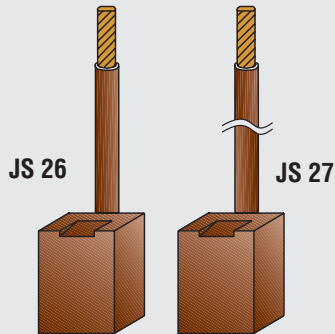
Ölçü / Dimension
(mm)

6x13x17,5

FIAT

BRAVA
RACING
SPIDER 2000
132 BERLINA
NUOVA
REGATA

SEAT

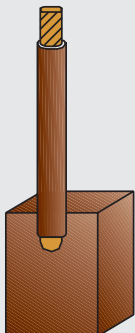
JSX 26-27748 911 01
748 909 613-JS 26
1-JS 27E-95-1, 1/12
632 214 33-36, 38
215 30, 33, 36, 39
216 30, 32, 35, 36, 39
217 31Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

6x13x17,5

FIAT

BERLINA D
132
BERLINA
2000, REGATA
1600 ACT
UNO, 903 D**JSX 29-30**748 938 51
855 403 51
748 936 311-JS 29
1-JS 30E95-0, 8/12
E95C-0, 8-12
631 010 03
632 218 30, 32, 34, 90, 92Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

6x13x17,5

FIAT

PALIO 1.1, 1.2
WEEKEND
PANDA
1100 4x4

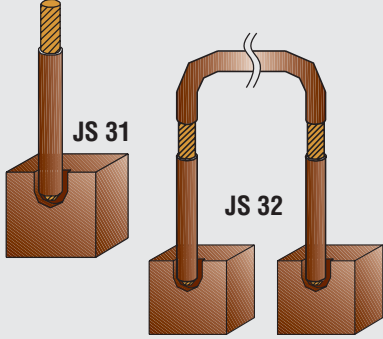


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing FIAT

Takım Sipariş Kodu / Set Order Code

JSX 31-32

855 403 41
748 941 21
832 228 01



Özellikler
Properties

2-JS 31
1-JS 32

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

8x19x18

Motor Numarası / Unit No.

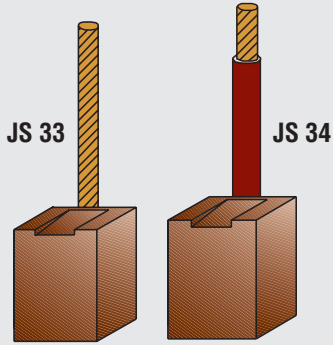
E95R-2, 2-12
632 218 31
220 30, 31, 34-36, 38, 39
221 30, 31, 33-36, 38
222 04, 06

Araç Modeli/Vehicle Model

FIAT CROMA
REGATA D
TDI
DUCATO
LANCIA
ALFA ROMEO TD
BMW TD

JSX 33-34

832 204 61,832 201 31
542 944 44,832 265 57



2-JS 33
2-JS 34

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

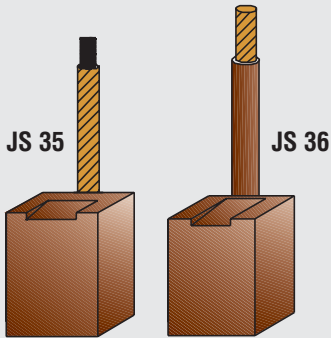
6x15x16,7

E70R-1, 4-12
M70R-1, 4-12
631 234 30-33, 35, 36
235 30-33
236 39
934 35

FIAT SIENA
PALIO
DOBLO
BMW

JSX 35-36

832 212 41
832 216 51



2-JS 35
2-JS 36

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

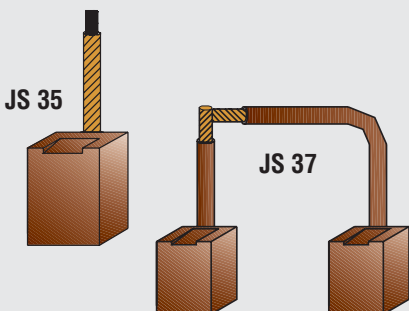
7x13x17,5

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

FIAT E 80 UNO
TIPO
TEMPRA
TOFAŞ DOĞAN
KARTAL
ŞAHİN
LANCIA
RENAULT 12

JSX 35-37

83 221 241
83 220 991
83 223 991



2-JS 35
1-JS 37

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7x13x17,5

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

NISSAN PRIMERA 1.6

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing FIAT

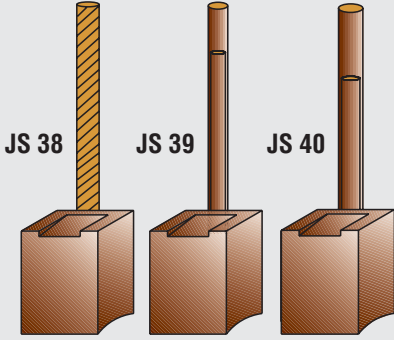


Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JSX 38-39-40832 244 61
833 25 1171-JS 38
1-JS 39
1-JS 40Gerilim / Voltage
(Volt)

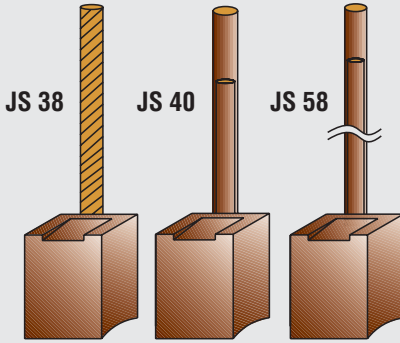
12

Ölçü / Dimension
(mm)

7x13x17,5

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**JSX 38-40-58**882 253 59
832 257 102-JS 38
1-JS 40
1-JS 58Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

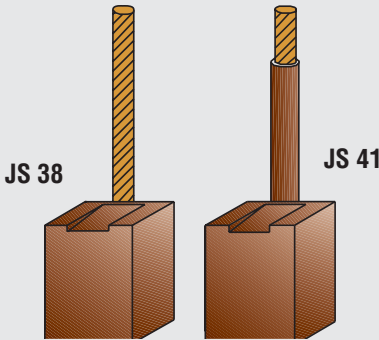
7x13x17,5

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

FIAT

BRAVA
BRAVO
PALIO
PUNTO
REGATA
SIENA
TEMPRA
TIPO, UNO

LANCIA

JSX 38-41832 244 61, 832 251 46
832 253 26, 832 263 48
832 264 911-JS 38
1-JS 41Gerilim / Voltage
(Volt)

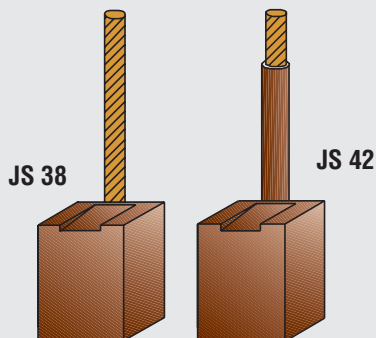
12

Ölçü / Dimension
(mm)

7x13x17,5

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**JSX 38-42**832 244 81
832 246 211-JS 38
1-JS 42Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7x13x17,5

E80E Seat

SEAT
TOFAŞŞAHİN
DOĞAN
KARTAL
TEMPRA
TIPO
UNO

FIAT

LANCIA



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing FIAT

Takım Sipariş Kodu / Set Order Code

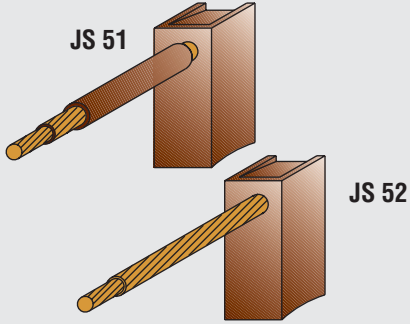
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JSX 51-52

832 273 62
832 273 64



1-JS 51
1-JS 52

E80F-0, 8-12

FIAT

Gerilim / Voltage
(Volt)

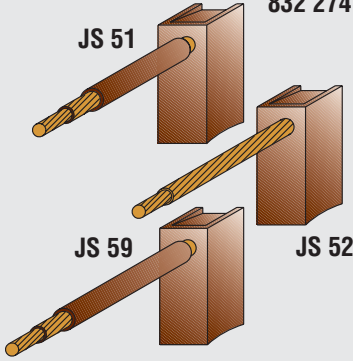
12

Ölçü / Dimension
(mm)

7x8x19,5

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

FIAT

Gerilim / Voltage
(Volt)

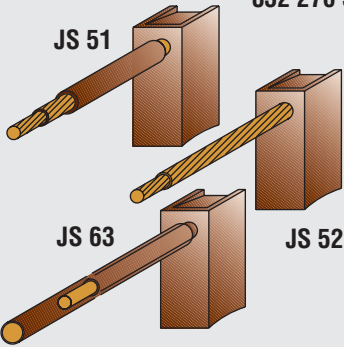
12

Ölçü / Dimension
(mm)

7x8x19,5

JSX 51-52-63

832 273 62
832 273 64
832 276 57



1-JS 51
2-JS 52
1-JS 63

E80F-1, 0-12

FIAT

PALIO 1,2
DOBLO 1,2

Gerilim / Voltage
(Volt)

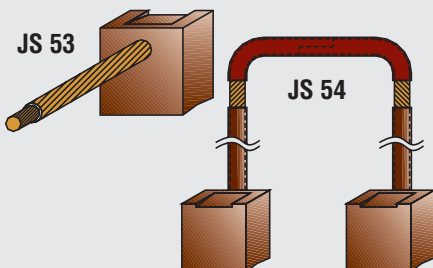
12

Ölçü / Dimension
(mm)

7x8x19,5

JSX 53-54

748 944 41,832 257 10
832 263 36,832 267 10



2-JS 53
1-JS 54

E95RL-2, 2/2, 6-12
631 140 08, 10, 14

FIAT

DUCATO
DIESEL

Gerilim / Voltage
(Volt)

12

8x19x20

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing FIAT

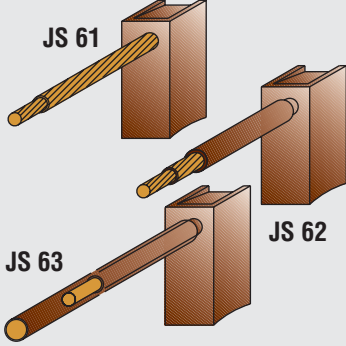


Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JSX 61-62-63832 275 84
832 275 83
832 276 572-JS 61
1-JS 62
1-JS 63

D80F-1, 0-12

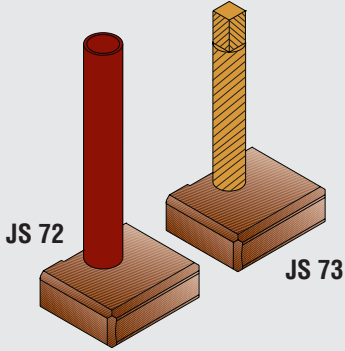
FIAT

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7x8x19,5

JSX 72-73028 531-7340
028 531-73312-JS 72
2-JS 73

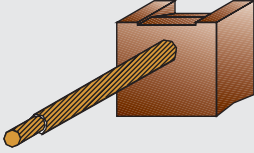
028510-6410, 6421, 6440, 6490

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

Gerilim / Voltage
(Volt)

12

7x20x16


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing FORD
Takım Sipariş Kodu / Set Order Code
**Özellikler
Properties**
Motor Numarası / Unit No.
Araç Modeli/Vehicle Model
FX 73
**5 026 806
6 775 699
6 775 703**

4-F 73

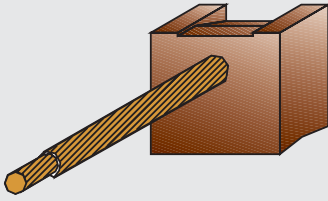
96BB-11000-AA, AB

FORD CONNECT
FOCUS
FIESTA

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

6x13x14
FX 74
F7RU-11434-BA

4-F 74

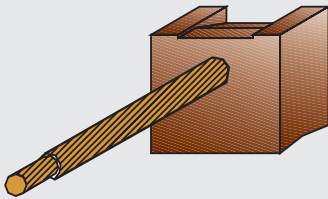
 97BB-11000-BB, BC
97VB-11000-AA, AB
98AB-11000-AC
98VB-11000-BA, B1A, B3A

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
FX 75
F7 RU-11056-CA

4-F 75

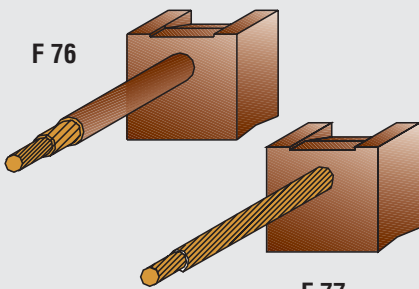
97VB-11000

FORD TRANSIT
MOTOCRAFT
V.184

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

8,2x18,9x17,8
FX 76-77
1C3U-11434-AA

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

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

FORD FOCUS,
CONNECT
MONDEO
FIESTA 1.6 DTCl

 Gerilim / Voltage
(Volt)

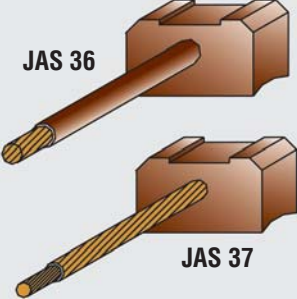
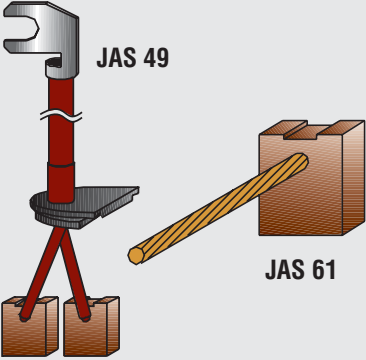
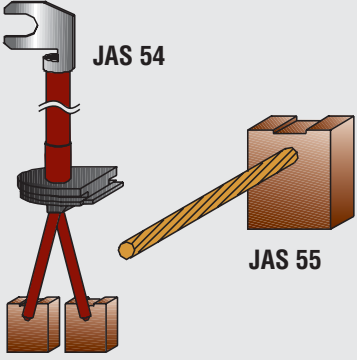
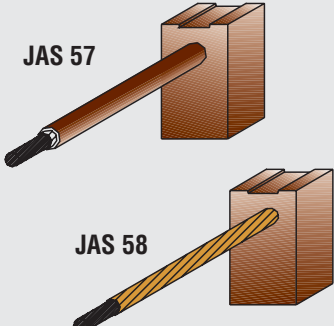
12

 Ölçü / Dimension
(mm)

8,2x18,90x18,2

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing HITACHI



Takım Sipariş Kodu / Set Order Code	Özellikler / Properties	Motor Numarası / Unit No.	Araç Modeli/Vehicle Model
JASX 36-37 2130-5312 2130-8311 	2-JAS 36 2-JAS 37 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 8x25x18	1-81116-023-0 5-81116-024-0 8-97030-389-0 23379-J 5500 23380-5500 23331-Z 9002 23331-Z 9003 28331-Z 9000 28331-Z 9001	ISUZU NISSAN
JASX 49-61 2114-63125 2114-43125 	1-JAS 49 2-JAS 61 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 4,5x14x17	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
JASX 54-55 2114-63126 2114-53126 	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	OPEL NISSAN ASTRA D CORSA D
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



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing HITACHI

Takım Sipariş Kodu / Set Order Code

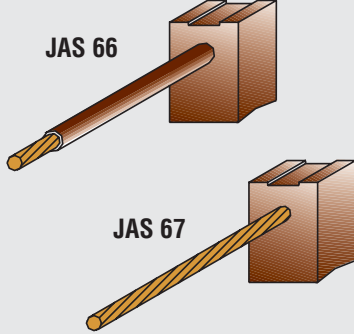
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JASX 66-67

2114-3315/5312
2114-6313/8313



2-JAS 66
2-JAS 67

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

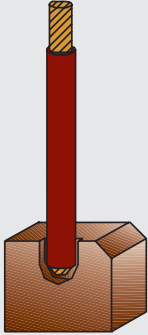
7x11x16

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

JASX 74

2130-23112



4-JAS 74

Gerilim / Voltage
(Volt)

12

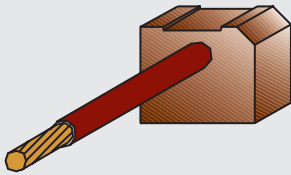
Ölçü / Dimension
(mm)

7x19x15,8

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

JASX 74 H



4-JAS 74 H

Gerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

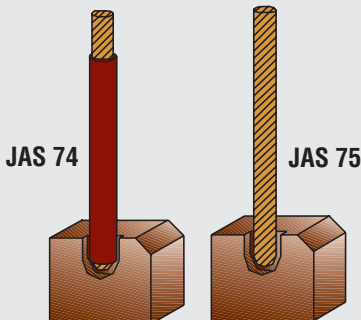
7x19x16

HITACHI, S25-163A
ISUZU 8970324640
0324642
0655260
0958112

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

JASX 74-75

2130-1311
2130-7312
2240-1311/1312



2-JAS 74
2-JAS 75

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7x19x15,8

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, 81, 83, 89B, 91, 91A, 92A
S1403
S14203, 10, 10A
S2407, 12
S25163G, 71, 501A, 501B
23379-W2500/23380-W2500
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

DAIHATSU
ISUZU
MAZDA
NISSAN
VOLVO

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing HITACHI

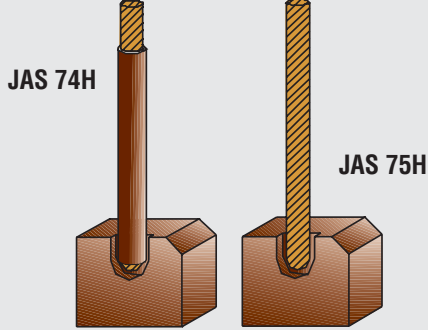


Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

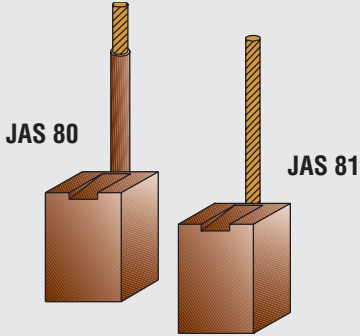
Araç Modeli/Vehicle Model

JASX 74-75 H2-JAS 74 H
2-JAS 75 HHITACHI, S25-163A
ISUZU 8970324640
0324642
0655260
0958112ISUZU ŞAMPİYON
NPR, NKR
NQR, NKR
WIDE
OTOBÜS / BUSGerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

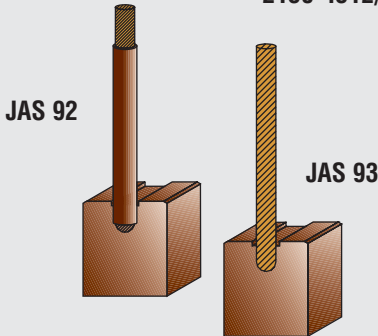
7x19x16

JASX 80-812114-59002
2114-690022-JAS 80
2-JAS 81S114253B, 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, 86NISSAN
DATSUN
ISUZUGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

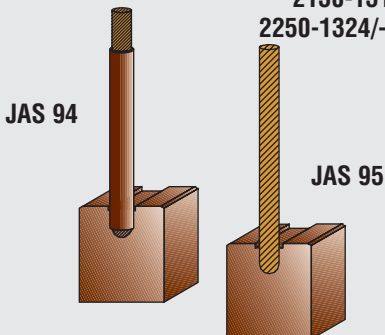
7x14x16

JASX 92-932130-1312/2312
2130-3311/4311
2130-4312/73112-JAS 92
2-JAS 935-81116-015-0
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
23380-61501ISUZU
NISSANGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

9x19,5x22

JASX 94-952250-2323
2120-2601
2130-1310
2250-1324/-43222-JAS 94
2-JAS 95S1224A, 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
28142-1010AISUZU MARINE
NISSAN
HINO KIRKAYAKGerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

9x19,5x19,5

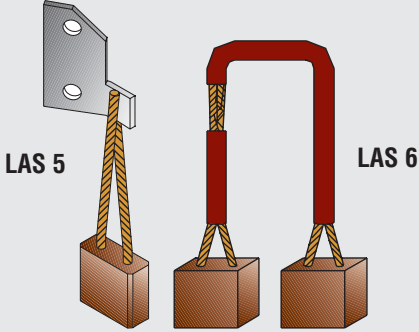


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing LUCAS

Takım Sipariş Kodu / Set Order Code

LASX 5-6

251 108
(TAB128)



Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

2-LAS 5
1-LAS 6

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

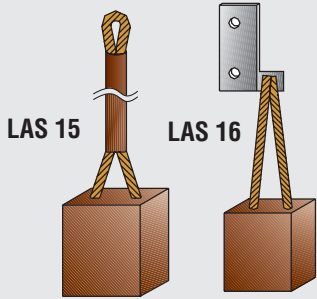
6,35x15,9x14,2

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)



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



2-LAS 15 H
2-LAS 16 H

Gerilim / Voltage
(Volt)

24

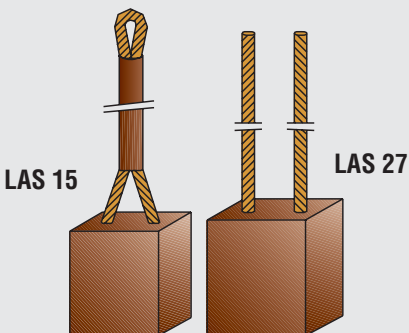
Ölçü / Dimension
(mm)

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

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing LUCAS

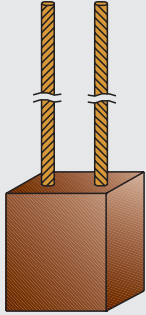


Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

LASX 15-27 H2-LAS 15 H
2-LAS 27 HGerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

7,9x19,05x22,2

LUCAS STARTER

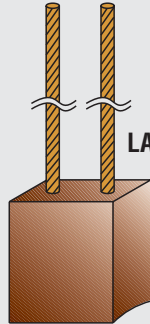
LASX 30-31-32

542 569 07 (TAB 106)

LAS 30-31



LAS 32

1-LAS 30
1-LAS 31
2-LAS 32Gerilim / 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)

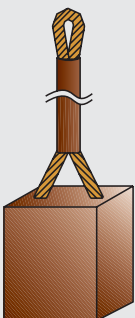
12

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,
27569FORD TRACTOR 2000
3000, 7600
7610, 7700, 7710**LASX 36**

542 595 17 (TAB118)



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, 63-65FORD 750-1210
OTOSAN
BMC 100,135,140
LEYLAND 140, 1340
CHRYSLER GENOTO
BEDFORD
CARGO
HEMA
M.FERGUSON

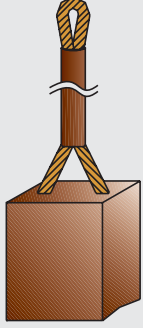


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing LUCAS

Takım Sipariş Kodu / Set Order Code

LASX 36 H

54 244 848



Özellikler
Properties

4 LAS 36 H

Gerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

9x20x24,5

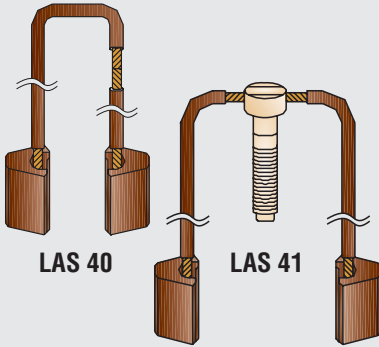
Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

LUCAS STARTER

LASX 40-41

542 448 48 (TAB117)



1-LAS 40
1-LAS 41

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

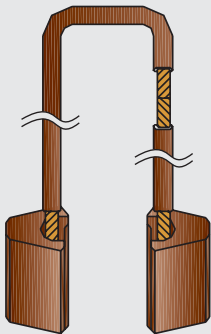
9/3,5x11,6x15,9

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 ANADOL
BMC AUSTIN
PEYKAN TRANSIT

LASX 41

542 652 16



2-LAS 41

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

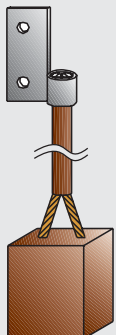
9/3,5x11,6x15,9

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 ANADOL
BMC AUSTIN
TRANSIT

LASX 42

542 449 79



4-LAS 42

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

9x20x26

M50, M127

MASSEY FERGUSON

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing LUCAS



Takım Sipariş Kodu / Set Order Code

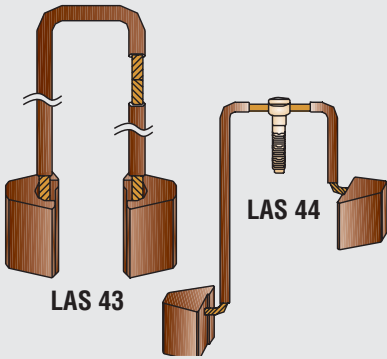
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

LASX 43-44

542 462 58 (TAB124)

1-LAS 43
1-LAS 44M100
25642-44, 47-49, 51, 54, 62, 74, 75, 84-87, 89, 91, 92, 95, 98
25703-7, 9-12, 16-22, 28-32, 34, 35, 39, 42, 43, 49-51,
54-56
27466LAND ROVER
COMMER
AUSTINGerilim / Voltage
(Volt)

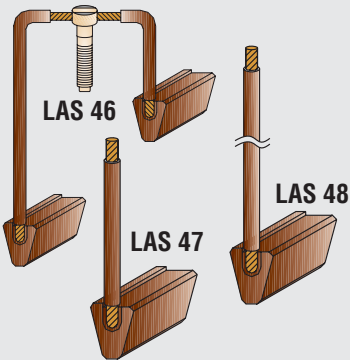
12

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 4825696
M 100

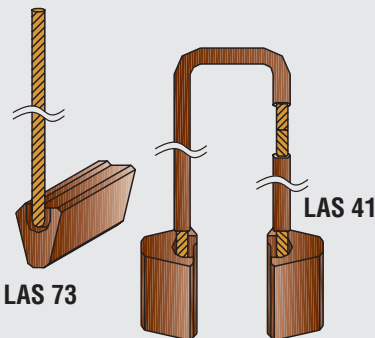
LANDROVER

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

10,3/4,7x13,3x17,5

LASX 73-41606 007 67 (TAB 103)
993 730 31-LAS 41
2-LAS 7325326, 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

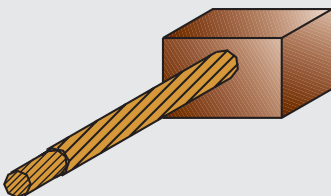
FIAT

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

9/3,5x11,6x15,9

LASX 75606 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

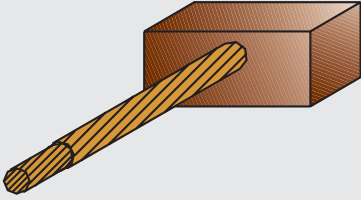
ROVER

Gerilim / Voltage
(Volt)

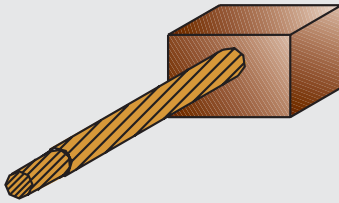
12

Ölçü / Dimension
(mm)

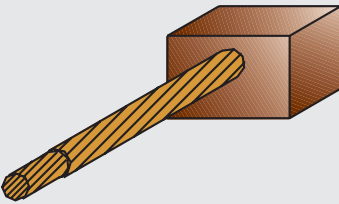
6,8x13,8x9,4


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing LUCAS
Takım Sipariş Kodu / Set Order Code
LASX 76
**606 009 20
606 009 19**

**Özellikler
Properties**
Motor Numarası / Unit No.
Araç Modeli/Vehicle Model
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
2-LAS 80**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
7x13,7x12

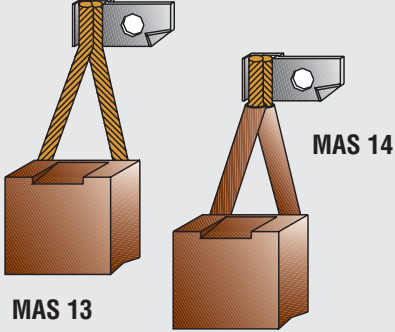
26604, 26604E/J, 26606, 26606E/H, 26607, 26607E/J
26631, 26631A/D, 26633, 26633A/B, 26645E, 26646
26646B/D, 26647, 26647A/E, 26659, 26659B/D, 26660
26660B/D, 26662, 26662A, 26663, 26663A, 26667
26667B, 26690, 26693, 26694, 26814D

VOLKSWAGEN
LASX 87-77-78
606 009 11 (TAB131)

**2-LAS 87/0
1-LAS 77
2-LAS 78**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
7x13,7x12

26614, 26614B/D, 26619, 26619A/D, 26622, 26622A/D

ROVER


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing MAKO-MAGNETI MARELLI
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

**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

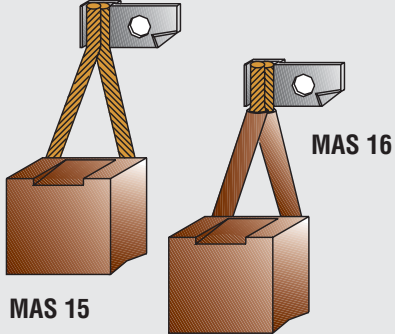
FIAT MARELLI

 Gerilim / Voltage
(Volt)

24

 Ölçü / Dimension
(mm)

8x25x23
MASX 15-16

 723 632 03, 04
 992 908 0
 992 844 8

**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

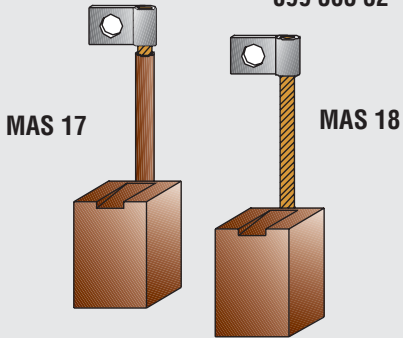
RENAULT COMMERCIAL

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

10x25x23
MASX 17-18

 723 837 01, 02
 099 565 56
 099 565 52

**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

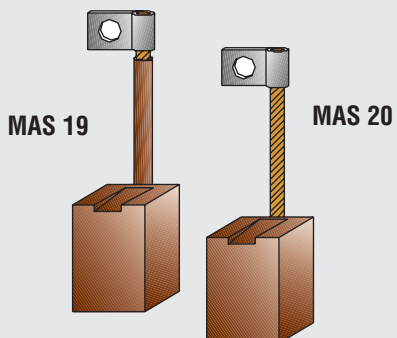
**FORD TRANSIT
DAILY**

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

9x16x23
MASX 19-20

 723 837 03/05
 723 837 04/06

**2-MAS 19
2-MAS 20**

 MT72AB
 632 172 25

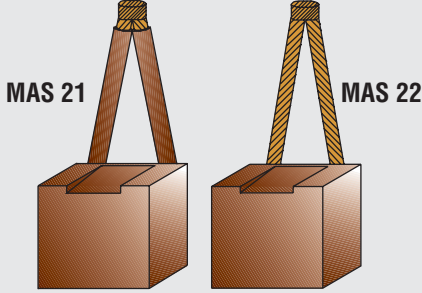
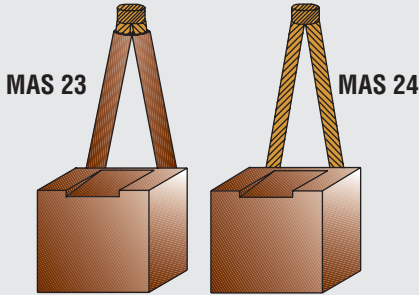
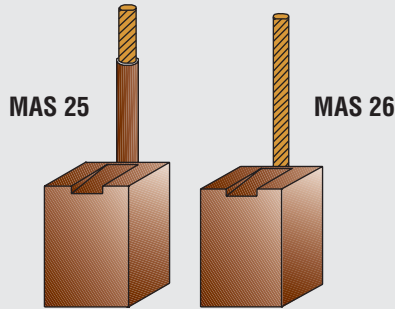
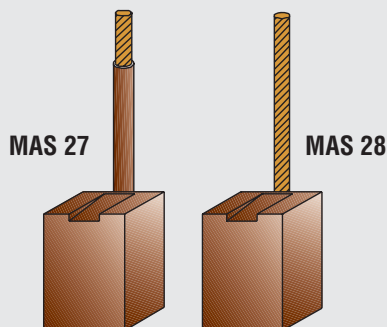
FIAT KAMYON/TRUCK

 Gerilim / Voltage
(Volt)

24

 Ölçü / Dimension
(mm)

9x16x23


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing MAKO-MAGNETI MARELLI
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**

**2-MAS 21
2-MAS 22**
**MT 67 AD, CB
632 167 31, 41**
**CHRYSLER AS 26200
FORD TRANSIT**
**Gerilim / Voltage
(Volt)**
24
**Ölçü / Dimension
(mm)**
8x25x23
MASX 23-24
**721 647 01
721 658 01**

**2-MAS 23
2-MAS 24**
**MT 68 AD, LC, MC, PA, PB, RA, S, T
632 168 17, 18, 31, 52, 61, 84, 96**
**CHRYSLER DODGE
DESOTO
FARGO
TRAKTÖR /
TRACTOR
FIAT CARGO
GENOTO
BEDFORD
FORD**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
10x25x23
**JOHN DEERE
LOMBARDINI
M. FERGUSON**
MASX 25-26
**721 641 01
721 660 01**

**2-MAS 25
2-MAS 26**
**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**
**BMC
LEYLAND
FIAT ALLIS
TRAKTÖR/TRACTOR
FORD TRANSIT
GENOTO BEDFORD
OTOKAR DEUTZ, TOE
STEYA
UZEL
M. FERGUSON**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
9x16x23
MASX 27-28
**721 641 02
721 657 01**

**2-MAS 27
2-MAS 28**
**MT 72 AB
632 172 26**
**ISUZU
FIAT
OTOYOL
IVECO**
**Gerilim / Voltage
(Volt)**
24
**Ölçü / Dimension
(mm)**
9x16x23

Takım Sipariş Kodu / Set Order Code

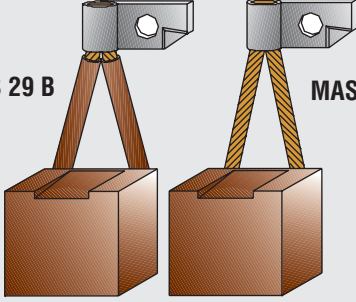
MASX 2972363203
72363204Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

MAS 29 B

MAS 29 A

2-MAS 29A
2-MAS 29B4702248, 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, RAGerilim / Voltage
(Volt)

12

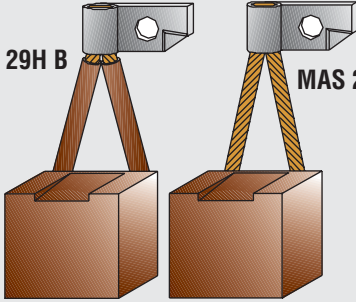
Ölçü / Dimension
(mm)

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 29HBGerilim / 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



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing MITSUBISHI

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 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 8x24x20	23380-37500 24370-54008	mitsubishi MIDIBUS / VAN OTOBÜS / BUS TRAKTÖR/TRACTOR
FJ 015 UE 700541 	4-FJ 015 Gerilim / Voltage (Volt) 24 Ölçü / Dimension (mm) 8x24x20	23380-37502 49206-1001/49207-1001	mitsubishi MARATON
JASX 29 M648 C101 71 M648 C106 71 	4-JAS 29 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 6,8x16,5x14	0603-23-643 E64457044M 23380-10611 23380-21010	MAZDA FAMILIA SUNNY DATSUN MITSUBISHI NISSAN
JASX 40-41 M647 C00 271,272 M648 C311 71 	1-JAS 40 2-JAS 41 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 4,5x12x17,5	M1T60381, 70281, 70481, 70781, A, 70881, A, 70981, 70982A, 70985, 71281, A, B, 71481, 71481 A, 71881, A, 72583, 72985A, 75581, 77381, 77581 23380-421-70 233379-AA 000	MAZDA MITSUBISHI NISSAN HYUNDAI ACCENT

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing MITSUBISHI

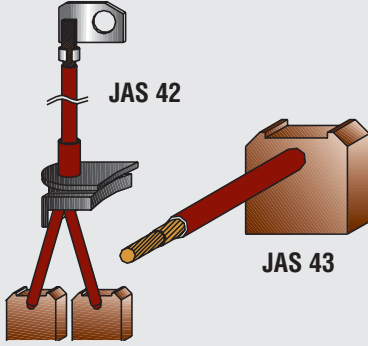


Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

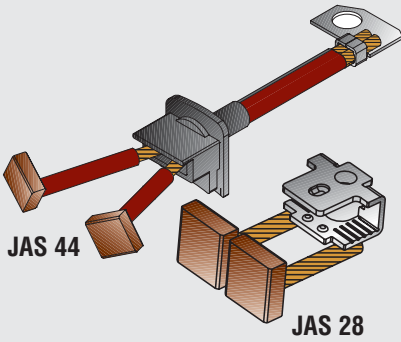
Araç Modeli/Vehicle Model

JASX 42-43M647 C003 71
M648 C329 711-JAS 42
2-JAS 43M1T 70381, 70485, 71781, 74081, 74181, 74281, 74381,
74481, 75781, 90281
N327-18-X66
MD 611 918MAZDA
MITSUBISHIGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

4,5x18x17,5

JASX 44-28M647 X034 71,04571
M647 X055 71,058711-JAS 44
1-JAS 28

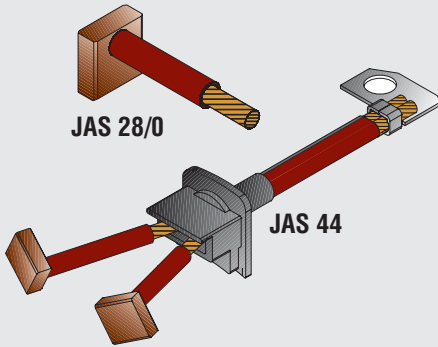
M1T60285

NISSAN
FORD DIESELGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

4,5x12x12,5

JASX 44-28/0M647 X034 71, 04571
M647 X055 71, 058711-JAS 44
2-JAS 28/0

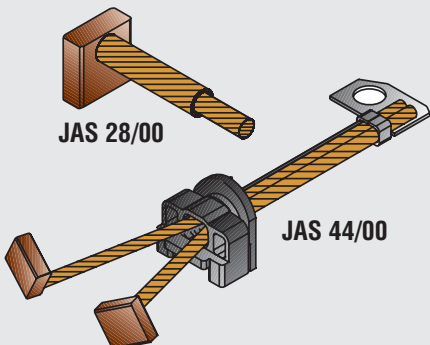
M1T60285

RENAULT
KANGOO 1,5
DIESELGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

4,5x12x12,5

JASX 44-28/001-JAS 44
2-JAS 28/00

MOT20871, M321X45071

CITROEN
FIAT
PEUGEOTGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

4,5x12x12,5



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing MITSUBISHI

Takım Sipariş Kodu / Set Order Code

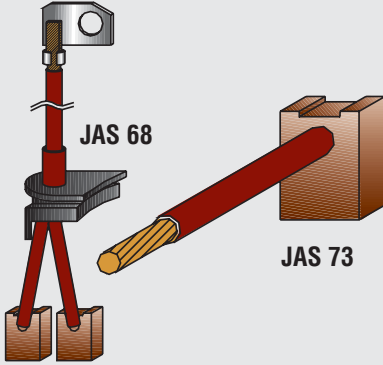
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JASX 68-73

M647 C008 71



1-JAS 68
2-JAS 73

M1T70483, 72581, 72583,
73281, 73283, 73383,
77681
MD 611 731

mitsubishi COLT
MAZDA 323
NISSAN ALMERA

Gerilim / Voltage
(Volt)

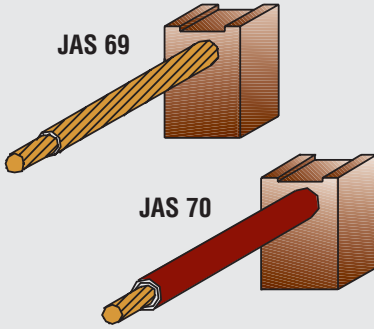
12

Ölçü / Dimension
(mm)

4,5x12x16,5

JASX 69-70

M648 C121 70
M648 C137 70



2-JAS 69
2-JAS 70

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

mitsubishi
CITROEN
MAZDA
NISSAN
PEUGEOT
SUZUKI

Gerilim / Voltage
(Volt)

12

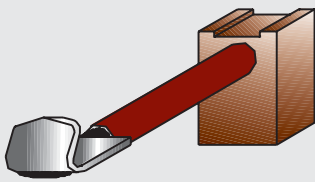
Ölçü / Dimension
(mm)

6,8x11,8x17,2

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

JASX 70

M648 C137 70
M648 C103 71B



4-JAS 70

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

PERKINS
mitsubishi L100-L300
MAZDA RX3, RX7
PEYKAN
NISSAN

Gerilim / Voltage
(Volt)

12

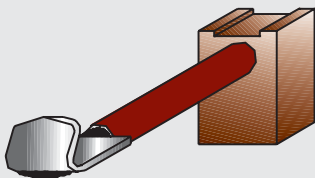
Ölçü / Dimension
(mm)

6,8x11,8x17,2

MD 602069/MD 607 949/MM 502 344
23380-E3010
23378-N5911/N5910

JASX 70 H

M648 C137 70
M648 C103 71B



4-JAS 70 H

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.

Gerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

6,8x11,8x17,2

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing MITSUBISHI



Takım Sipariş Kodu / Set Order Code

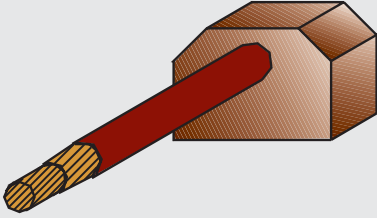
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JASX 71

M648 C256 71



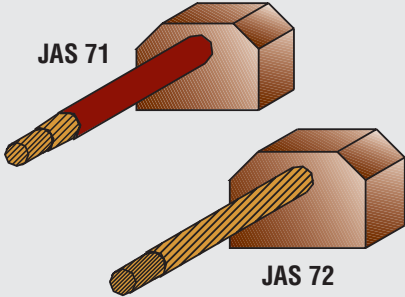
4-JAS 71

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

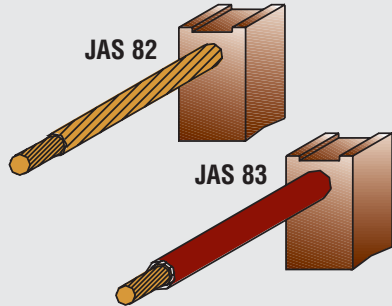
8x24x17

M2T60071, 0072, 0073, 0171, 0172, 1171
M3T66071, 66072, 66073, 66074, 67171, 67172
90071, 90072
SE01-24-750
R201-18-X66
MD 611024/ME 700858MAZDA
MITSUBISHI PAJERO
GALANT**JASX 71-72**M648 C256 71
M648 C256 722-JAS 71
2-JAS 72Gerilim / 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
ME700939MAZDA
MITSUBISHI**JASX 82-83**M648 C149 70, 71
M648 C148 71
150 702-JAS 82
2-JAS 83Gerilim / Voltage
(Volt)

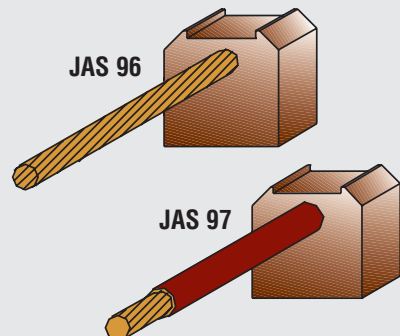
12

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, 31132-80090MAZDA
NISSAN
SUZUKI
SUBARU**JASX 96-97**

M648 C263 71

2-JAS 96
2-JAS 97Gerilim / 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



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing MITSUBISHI

Takım Sipariş Kodu / Set Order Code

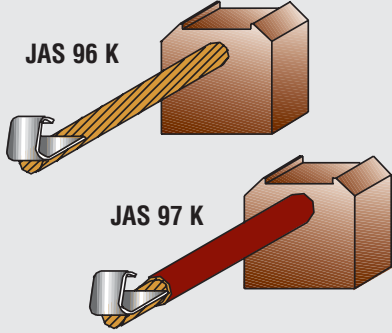
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JASX 96-97/K

M648 C263 71



2-JAS 96 K
2-JAS 97 K

Gerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

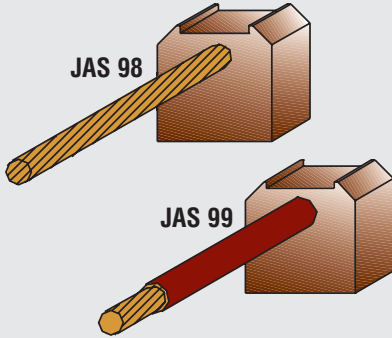
6,8x18x18

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

JASX 98-99

M648 C153 72
M648 C154 72



2-JAS 98
2-JAS 99

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

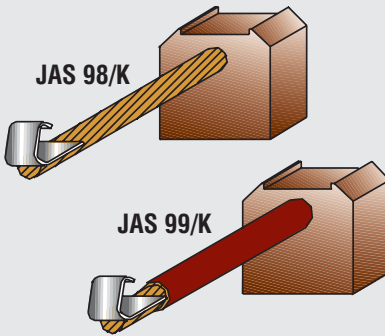
6,8x18x18

S13106E, S13112, S13127C, S13131, S13137A, S1389B, S1403
8599-24-750
MD 618 460
ME700127/ME701118
23378-W3410

MAZDA
MITSUBISHI
NISSAN

JASX 98-99/K

M648 C153 72
M648 C154 72



2-JAS 98
2-JAS 99

Gerilim / Voltage
(Volt)

12

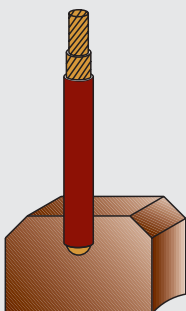
Ölçü / Dimension
(mm)

6,8x18x18

S13106E, S13112, S13127C, S13131, S13137A, S1389B, S1403
8599-24-750
MD 618 460
ME700127/ME701118
23378-W3410

MITSUBISHI CANTER L300
MAZDA
NISSAN

K 009



4- K009

Gerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

8x30x20

M009T60671

RENAULT
VOLVO TIR

MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing NIPPON DENSO



Takım Sipariş Kodu / Set Order Code	Özellikler / Properties	Motor Numarası / Unit No.	Araç Modeli / Vehicle Model
JASX 10-11 028520-1090 028530-1100 	2-JAS 10 2-JAS 11 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 10x30x20	128000 049,245,247,256,274,422, 468,491,537,551,562,572,573 228000-331,332,573,585,700 1-8116-048-0 1-8116-049-0	ISUZU CATERPILLAR CUMMINS DODGE TRAKTÖR / TRACTOR GMC TRAKTÖR / TRACTOR
JASX 22 28531-0300 	4-JAS 22 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 7x12x16	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 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
JASX 39 C 028531-5050 	4-JAS 39 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 6,5x8x10	128000 2520, 2631, 2800, 2820, 2980, 3090, 3530, 4060 4230	MAZDA SUZUKI FRONTE, ALTO CARRY PEUGEOT 106 RENAULT 19 CITROEN

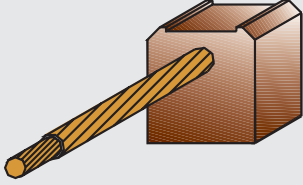


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing NIPPON DENSO

Takım Sipariş Kodu / Set Order Code

JASX 52

028099-6180



Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

4-JAS 52

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

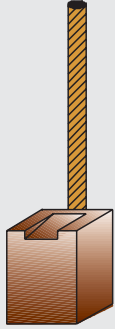
6.5x13x14

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

TOYOTA
DAIHATSU
ISUZU
MAZDA
SUZUKI

JASX 63

28531-0380
28531-0480
28531-0490



4-JAS 63

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

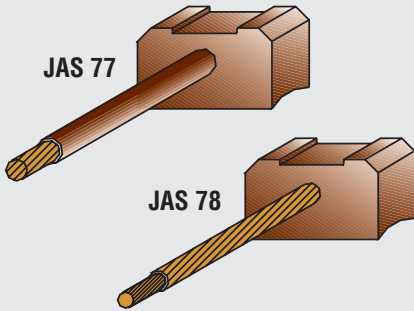
7x12x16

0280004042, 4500, 4700, 0900
28142-25011/87502
31211-657-006/31231-679-004
28142-25011

TOYOTA
HONDA
DAIHATSU

JASX 77-78

028099-3550



2-JAS 77
2-JAS 78

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

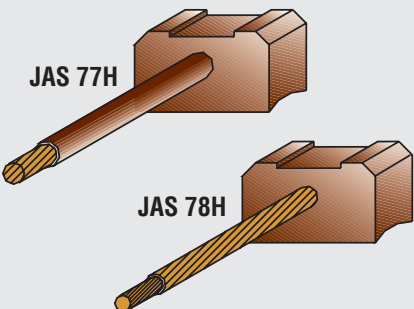
8x25x15

0280007000, 7001, 7370, 7373, 7740, 7790, 7791, 8130
8760, 8762, 9830, 0040
1280000570, 0832, 0960, 1040, 3101, 3250, 3260, 3420
5350, 5760, 7382, 9560, 9592
2280000200, 391
28140-54070-000
28140-64040-000
28140-87706-000
5-81116-040-0
5-81118-021-0
8-94167-430-0
028510-0640
RE01-24-750
28140-54070
28140-64040

TOYOTA CROWN DIESEL
ISUZU
KOMATSU
MAZDA
DAIHATSU

JASX 77-78 H

028510-0640



2-JAS 77 H
2-JAS 78 H

Gerilim / Voltage
(Volt)

24

Ölçü / Dimension
(mm)

8x25x15

0280007000, 7001, 7370, 7373, 7740, 7790, 7791, 8130
8760, 8762, 9830
1280000040, 0570, 0832, 0960, 1040, 3101, 3250, 3260
3420, 5350, 5760, 7382, 9560, 9592
2280000200, 2280000391

MAZDA MİNİBUS / VAN
KAMYONET / PICKUP
ISUZU NCR
DAIHATSU
KOMATSU

Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JASX 84028510-0441
028531-0450

4-JAS 84

Gerilim / Voltage
(Volt)

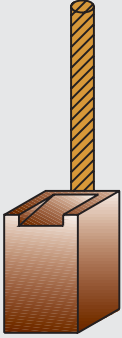
12

Ölçü / Dimension
(mm)

7x16x14

0280004000, 4020, 4200, 4243, 4340, 4510, 4730, 4940, 4990
28140-34030
28140-87701-000
28140-87704-000
28140-87710-000
31208-657-0040
31208-657-300
31208-PH7-661
31208-PR4-0030
02851-00441,-00590
21170-53608
23378-AA040,-AA050
49243-7212,-7302,-7502
28140-34030,-64130,-65020
28140-74010,-74020,-74070,-76070
28142-34030

TOYOTA

CORONA
COROLLA
CARINA
CAMMRY
CELICA
ACCORDHONDA
DAIHATSU**JASX 85**28140-15010
28531-0680

4-JAS 85

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

6.5x10x16

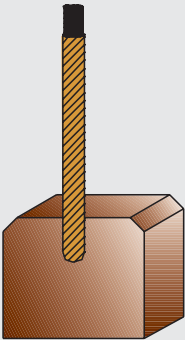
0280005335, 6494, 6520, 6813, 6822, 6823, 7092, 7093
7100, 7280, 7290, 7330, 7331, 7332, 7440, 7460
7461, 7470, 7520, 7521, 7580, 7581, 7981, 8040
9010, 9490, 9500, 9501, 9900, 9901
1280000351, 1200, 1610, 1620, 1621, 1861, 1862, 2050
2430, 2431, 2540, 2861, 5240, 6240, 8130

TOYOTA

FORKLIFT

JASX 88

28531-0632



4-JAS 88

Gerilim / Voltage
(Volt)

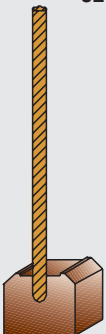
12

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

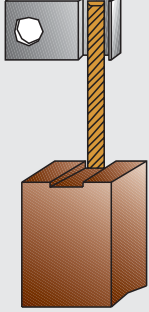
Ölçü / Dimension
(mm)

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
CELICAHONDA
ISUZU


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing PAL PARIS RHONE
Takım Sipariş Kodu / Set Order Code
**Özellikler
Properties**
Motor Numarası / Unit No.
Araç Modeli/Vehicle Model
PLSX 1
133-4 061

2-PLS 1

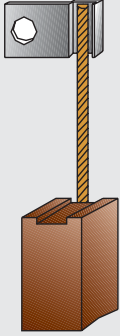
 1043-047/6, 162-10-08/12,
409-8041-00/22, 10-200-4009

SKODA

 Gerilim / Voltage
(Volt)

6/12

 Ölçü / Dimension
(mm)

7x16x22
PLSX 3
**110-904 300,
02-8480-82**

4-PLS 3

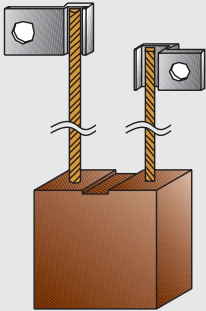
 443115142071, 443115142110, 443115142112,
443115142350

SKODA

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

8x12x22
PLSX 4
93-22-32

4-PLS 4

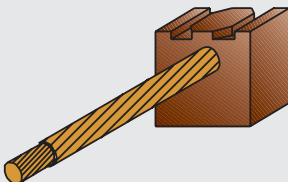
443 115 144 44, 443 115 144 722

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)

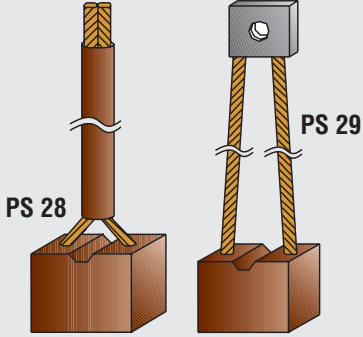
6x12,5x12,5

Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

PSX 28-292-PS 28
2-PS 29

D11 B30

CITROEN
PERKINS
IHC
MASSEY FERGUSONGerilim / Voltage
(Volt)

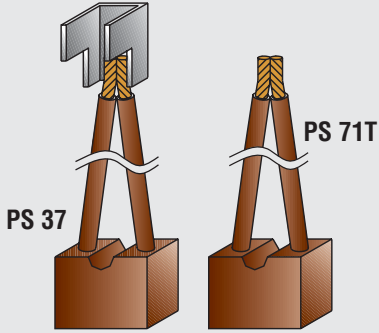
12

Ölçü / Dimension
(mm)

7x18x14

PSX 37-71T

75592

1-PS 37
1-PS 71DBL25, E50, 54, 70, 86, 94, 97
D11E140CITROEN
PERKINS
IHC
MASSEY FERGUSONGerilim / Voltage
(Volt)

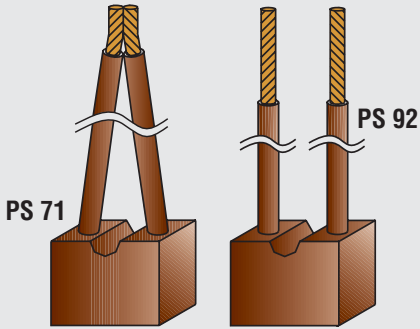
12

Ölçü / Dimension
(mm)

7x18x14

PSX 71-92

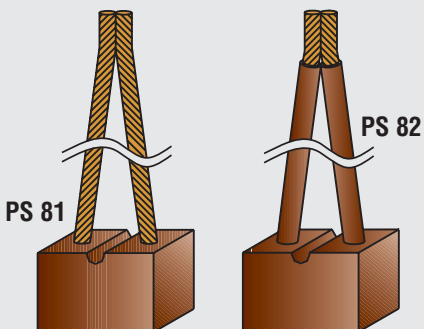
73829

1-PS 71
1-PS 92D8E21, 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, J5Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7x18x14

PSX 81-8272631G
3006792-PS 81
2-PS 82D11E92, T, 104, 117, 119T, 121, 127, 129, T, 137,
141, 146, 153, 153T, 154, 155, 169, 173, 176,
178, 202PEUGEOT
RENAULTGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

10x25x17



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing PAL PARIS RHONE

Takım Sipariş Kodu / Set Order Code

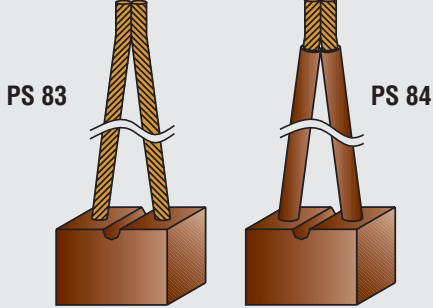
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

PSX 83-84

71 630F
182 132
182 145



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)

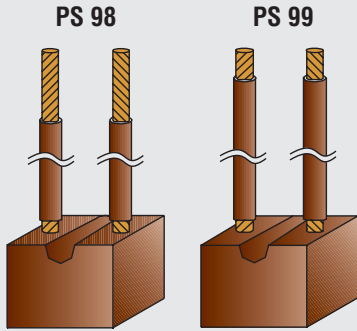
24

Ölçü / Dimension
(mm)

10x25x17

PSX 98-99

75 707P



2-PS 98
2-PS 99

D11E126, 135, 148, 156, 161, 184, 188, 191, 192, 195

PEUGEOT
KAMYON / TRUCK
RENAULT

Gerilim / Voltage
(Volt)

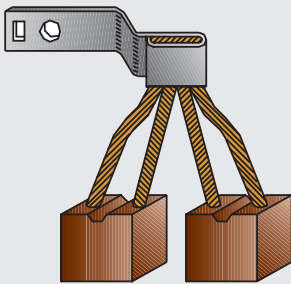
12

Ölçü / Dimension
(mm)

10x18x14

PSX 112

78 900U
182 146



4-PS 112

D13E76, 77, 86TE, 87TE, 93TE, 94TE, 96TE, 98TE,
107TE, 109TE, 110TE

CATERPILLAR
L-D 955

Gerilim / Voltage
(Volt)

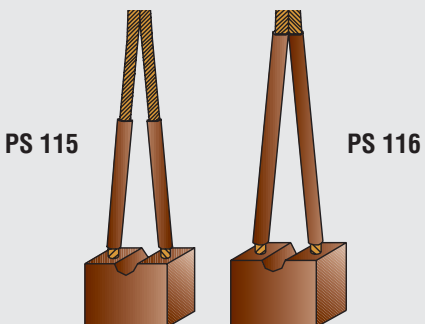
24

Ölçü / Dimension
(mm)

10x18x17

PSX 115-116

92 655V
182 064



1-PS 115
1-PS 116

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
D9E7, 9, 11, 12, 14-22, 26-28, 34, 35, 37, 41
D10E43, 48-50, 53, 54, 57, 63-65, 69, 76, 80, 84, 86

PEUGEOT
RENAULT

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

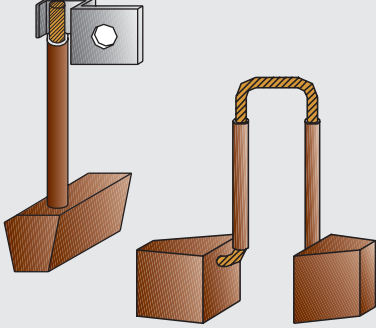
7x18x14

Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

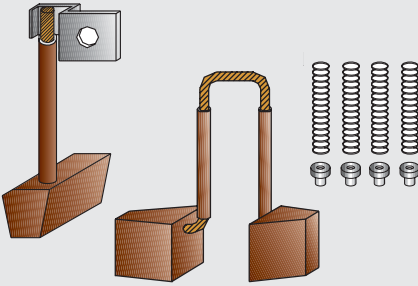
Araç Modeli/Vehicle Model

PSX 12992 878G
182 065
594 0651-PS 129 a
2-PS 129 bD9E31, 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, 852Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

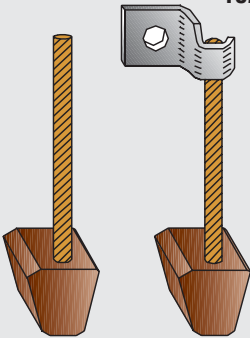
10,6/6,1x10,3x15

RENAULT 9, 11, 19, 21
CLIO, MEGANE
VOLKSWAGEN
TRANSPORTER
JETTA
PASSAT
PSX 129 S92 878G
182 065
594 0651-PS 129 a
2-PS 129 bD9E31, 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, 852Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

10,6/6,1x10,3x15

RENAULT 9, 11, 19, 21
CLIO, MEGANE
VOLKSWAGEN
TRANSPORTER
JETTA
PASSAT
PSX 13092 883
300.687A
182 0681-PS 130 a
1-PS 130 b
2-PS 130 c

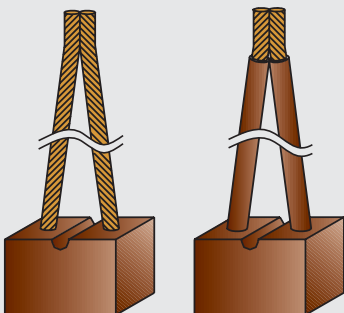
D9E32

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

10,6/6,1x10,3x15

RENAULT**PSX 132**92 925
182 1182-PS 132 a
2-PS 132 bD11E148, 156, 161, 172, 177, 184, 187, 188, 191,
192, 195, 272Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

10x18x14

PEUGEOT 404, 504
J9 2,5KW
RENAULT
1.8 D / 2.0 D



MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing PAL PARIS RHONE

Takım Sipariş Kodu / Set Order Code

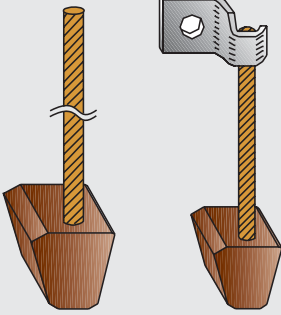
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

PSX 133

300 706Z
182 067
594 066



1-PS 133 a
1-PS 133 b

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

Gerilim / Voltage
(Volt)

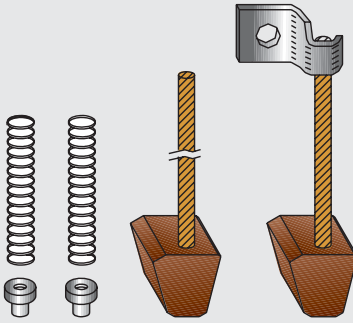
12

Ölçü / Dimension
(mm)

13,9/6,9x12x15

PSX 133 S

300 706Z
182 067
594 066



1-PS 133 a
1-PS 133 b

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, 862

RENAULT 9 GTC, GTE
BROADWAY

Gerilim / Voltage
(Volt)

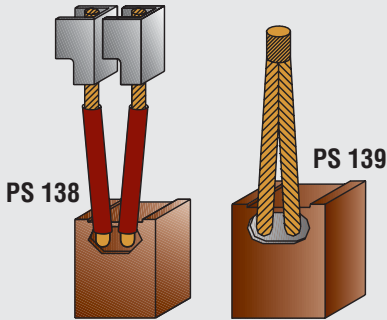
12

Ölçü / Dimension
(mm)

13,9/6,9x12x15

PSX 138-139

182 054



1-PS 138
1-PS 139

D9R84
D9R121

CITROEN BERLINGO
JUMPER
XSARA
PEUGEOT 205, 305
306, 307
405, 406
407, J5
PARTNER
VITARA
SUZUKI

Gerilim / Voltage
(Volt)

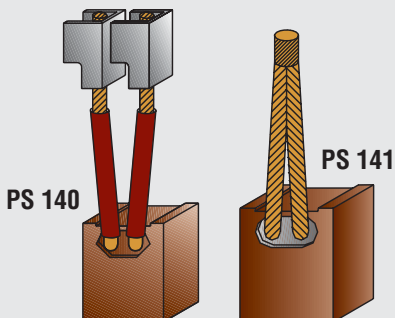
12

Ölçü / Dimension
(mm)

9x18x22

PSX 140-141

182 051



2-PS 140
2-PS 141

D9R73, 89-91, 96, 99, 105, 106, 118, 122, 126,
D9R135, 139, 142

PEUGEOT
RENAULT
CITROEN
CHRYSLER

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

9x18x22

Takım Sipariş Kodu / Set Order Code

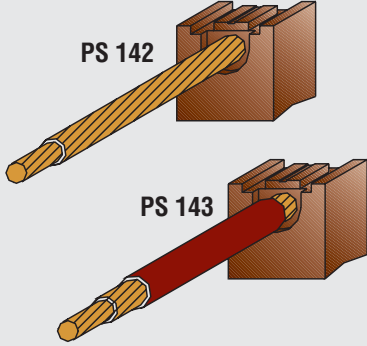
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

PSX 142-143

185 658

2-PS 142
2-PS 143

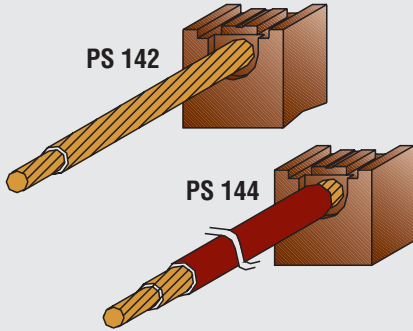
D7R

HYUNDAI STAREX
PEUGEOT
CITROENGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7x14x13,7

PSX 142-144187 778
187 7792-PS 142
2-PS 144

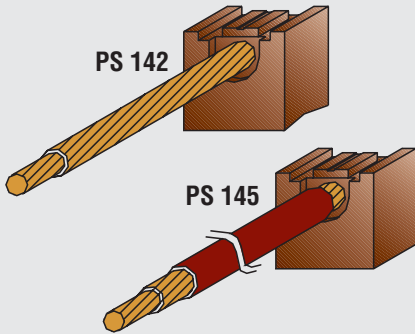
D7R5, 11, 15

PEUGEOT PARTNER
CITROENGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7x14x13,7

PSX 142-145185 658,187 639
188 571,191 6632-PS 142
2-PS 145

D7R VW

VOLKSWAGEN

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

7x14x13,7

PSX 148-149/0

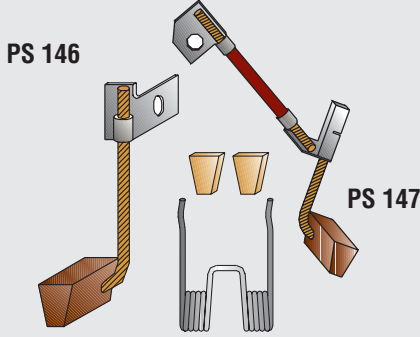
594 063

1-PS 148/0
1-PS 149/0D6RA12, D6RA13, D6RA16, D6RA17, D6RA18, D6RA19
D6RA20, D6RA21, D6RA22, D6RA23, D6RA27, D6RA29
D6RA30, D6RA32, D6RA33, D6RA34, D6RA37, D6RA38
D6RA40, D6RA45, D6RA48, D6RA5, D6RA6, D6RA61
D6RA661VOLKSWAGEN
PEUGEOTGerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

4,5/9x11x18


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing PAL PARIS RHONE
Takım Sipariş Kodu / Set Order Code
**Özellikler
Properties**
Motor Numarası / Unit No.
Araç Modeli/Vehicle Model
PSX 146-147
**594 064
594 072**

**1-PS 146
1-PS 147**

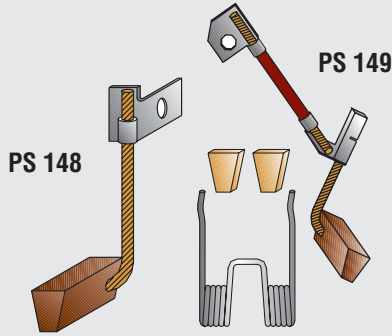
 184030, 184205
D6RA8,10

RENAULT CLIO
COUPE
MEGANE
CABRIOLET
SCENIC

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

4,5/9x11x14
PSX 148-149
**594 060
594 070**

**1-PS 148
1-PS 149**

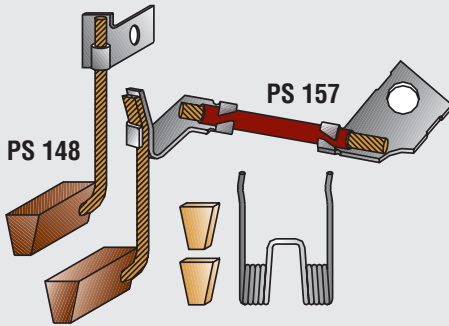
 182505, 551
183199, 212
184413, 470, 471
185310, 874

PEUGEOT KARSAN
BOXER
PARTNER
RENAULT MEGANE
CABRIOLET
SCENIC
COUPE

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

4,5/9x11x18
PSX 148-157
**594 063,127,254
594 129,130,253**

**1-PS 148
1-PS 157**

 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

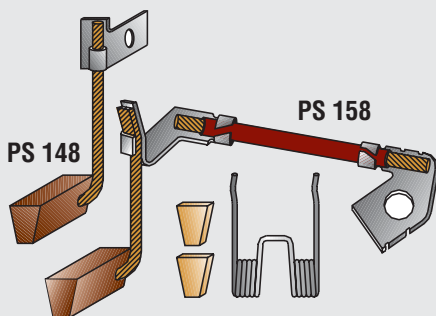
OPEL ASTRA
CORSA

**VOLVO
RENAULT**

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

4,5/9x11x18
PSX 148-158
**594 169-386
594 132-385**

**1-PS 148
1-PS 158**

 182549
185547, 722
186060, 502, 848, 886
187026
188401, 564
190549
D6 RA33, 37 47, 51, 57, ?, 133, 571

RENAULT MEGANE D

 Gerilim / Voltage
(Volt)

12

 Ölçü / Dimension
(mm)

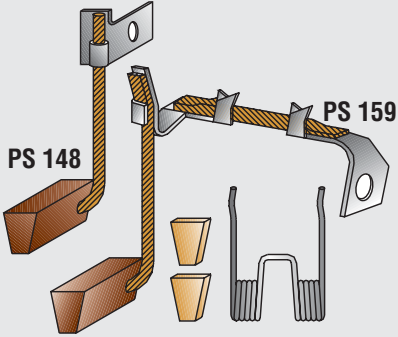
4,5/9x11x18

Takım Sipariş Kodu / Set Order Code

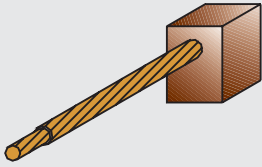
Özellikler
Properties

Motor Numarası / Unit No.

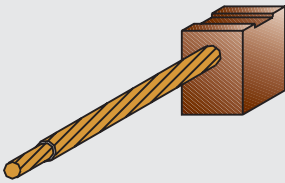
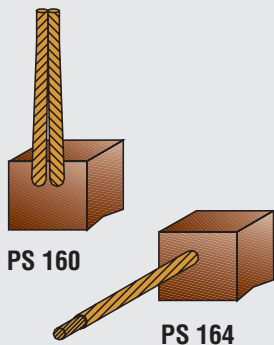
Araç Modeli/Vehicle Model

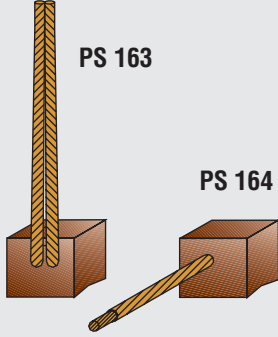
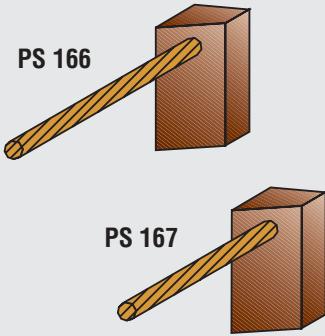
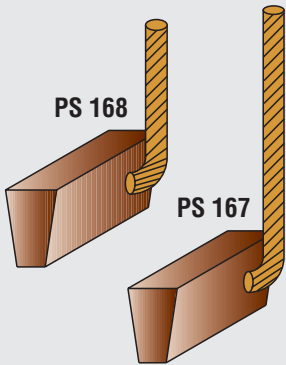
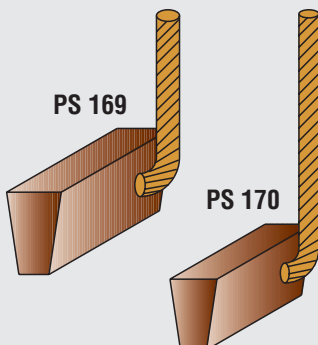
PSX 148-159594 317,360
594 318,323,359,364**1-PS 148**
1-PS 1591875047, 507, 509
188102, 103, 652-654
190652
D6 RA67, 78-81, 91, 167, 180, 181**OPEL**
RENAULTGerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**4,5/9x11x18****PSX 155**

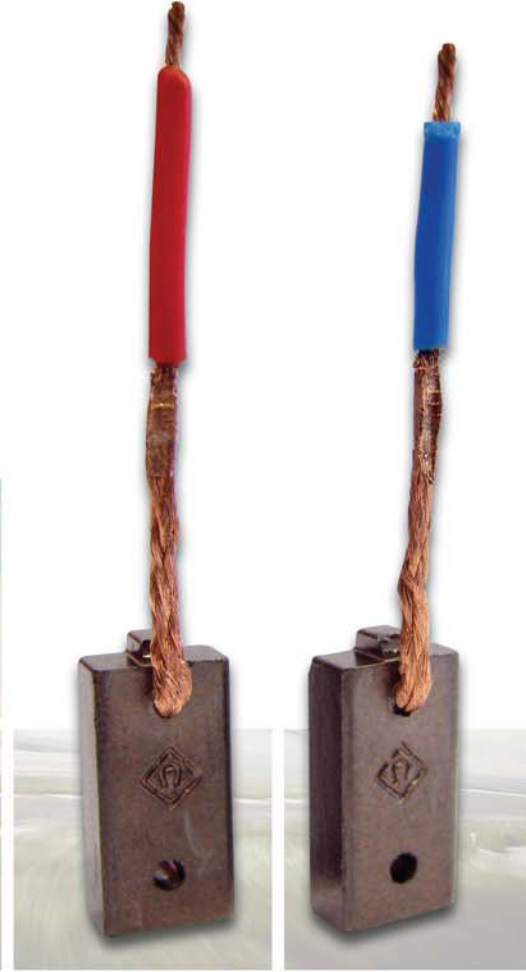
594 351

**4-PS 155**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
VOLKSWAGENGerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**6,4x8x11****PSX 156**

594 381

**4-PS 156**188279, 190172, 190396
D7ES2, 4, 5**PEUGEOT**
VOLKSWAGENGerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**6,4x8x11****PSX 160-164**190 986,191 060
191 821,191 823**2-PS 160**
2-PS 164190365
D7G 3, 4, 6**AUDI**
BMW
OPEL MERIVA
RENAULT MASTER
PEUGEOTGerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7x13x11,5**


MARŞ MOTORU KÖMÜRLERİ/STARTER BRUSHES - Replacing PAL PARIS RHONE
Takım Sipariş Kodu / Set Order Code
**Özellikler
Properties**
Motor Numarası / Unit No.
Araç Modeli/Vehicle Model
PSX 163-164
**190 987
191 824**

**2-PS 163
2-PS 164**
**D7G
SIH**
**VOLKSWAGEN
CADDY
TRANSPORTER T.5**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
7x13x11,5
PSX 166-167
**191 849
191 771**

**2-PS 166
2-PS 167**
D6G1, 2, 3, 5
**BMW
MERCEDES
FIAT ALBEA MULTIJET
PEUGEOT 206, 307**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
3,9/6,4x10x15,5
PSX 168-167
**192 285
191 771**

**2-PS 168
2-PS 167**
D6GSP19
**VOLKSWAGEN
AUDI**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
3,9/6,4x10x15,5
PSX 169-170
**191 772
191 773**

**2-PS 169
2-PS 170**
D6GS11-13
**AUDI A3
SEAT IBIZA
LEON
TOLEDO**
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
3,9/6,4x10x15,5
**VOLKSWAGEN
GOLF
JETTA
PASSAT
POLO
TOURAN
TRANSPORTER
OCTAVIA**
SKODA



ALTERNATÖR KÖMÜRLERİ

ALTERNATOR BRUSHES


ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

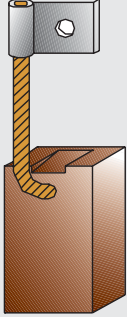
 Özellikler
Properties

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

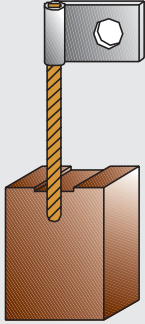
 Gerilim / Voltage
(Volt)

6/12

 Ölçü / Dimension
(mm)

6x14x23,5
OPEL
BMW
FORD
SKODA
BX 59

1 107 014 125


 Gerilim / Voltage
(Volt)

6

 Ölçü / Dimension
(mm)

6x14x19

 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
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

 Gerilim / Voltage
(Volt)

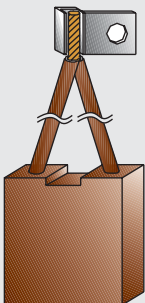
12/24

 Ölçü / Dimension
(mm)

6x22x22,5
MAN
MERCEDES
STEYR 300

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

 Gerilim / Voltage
(Volt)

12/24

 Ölçü / Dimension
(mm)

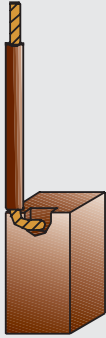
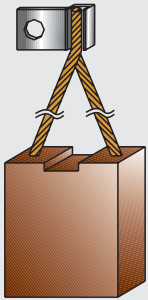
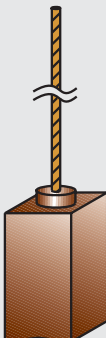
6x28x30,5
VOLVO
BÜSSING
SCANIA VABIS 600

ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing BOSCH



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 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 6x14x23,5	0 010 300 001-4, 6, 13, 100, 101 0 010 350 003-7, 9, 11-20, 100-106 0 101 350 004 0 136 351 006	TRABANT MOTO GUZZI
BX 151 1 127 014 000 	2-B 151 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 10x5x18	0 120 400 507, 10, 17, 19, 22-24, 26, 29-31 533-37, 40	MAN MAGIRUS
BX 162 1 127 014 001 	2-B 162 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 10x5x17	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, 40	ALFA ROMEO AUDI BMW MERCEDES FORD VOLVO KAMYON/TRUCK
BX 172 1 127 014 011 	2-B 172 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 8x5x15,5	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, 11	AUDI BMW MERCEDES J.DEERE FORD MAGIRUS VOLVO KAMYON/TRUCK


ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing BOSCH
Takım Sipariş Kodu / Set Order Code
BX 175
**2 127 014 003
2 127 014 005**

**Özellikler
Properties**
2-B 175
**Gerilim / Voltage
(Volt)**
24
**Ölçü / Dimension
(mm)**
10x5x22
Motor Numarası / Unit No.
**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**
Araç Modeli/Vehicle Model
MERCEDES 302
BX 185
1 127 014 011

2-B 185
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
8x5x15,5
**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**
BX 192
2 107 014 012

2-B 192
**Gerilim / Voltage
(Volt)**
12/24
**Ölçü / Dimension
(mm)**
8x28x33,5
**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**
BX 199
1 127 014 015

2-B 199
**Gerilim / Voltage
(Volt)**
12/24
**Ölçü / Dimension
(mm)**
8x5x15,5
**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**

ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing BOSCH



Takım Sipariş Kodu / Set Order Code

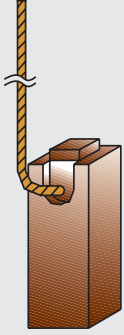
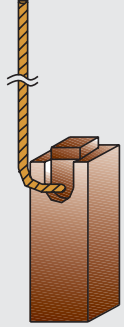
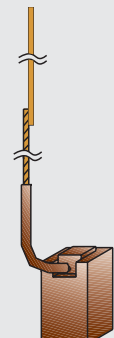
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BX 201

1 127 014 016

**2-B 201**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**8x5x23,2**MAGIRUS
SCANIA
MERCEDES KAMYON / TRUCK
IVECO**BX 202**1 127 014 013
1 127 014 017
1 127 014 020**2-B 202**Gerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**8x5x19,5**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, 133MERCEDES KAMYON / TRUCK
IHC
MAGIRUS
MAN
SAAB
SCANIA
IVECO
VOLKSWAGEN
VOLVO KAMYON / TRUCK
FORD KAMYON / TRUCK
DAF**BX 203**2 127 014 003
2 127 014 005**2-B 203**Gerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**10x5x22**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, 18-20MERCEDES 302, 303
SETRA
MAN**BX 204**1 127 014 022
1 127 014 018
1 127 014 023
1 127 014 025
1 127 014 029
1 127 014 030**2-B 204**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**8x5x19,5**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 079MERCEDES 190, 200
BMW
CITROEN BX
OPEL
VOLVO
PEUGEOT
ALFA ROMEO
AUDI
FORD
FIAT
JAGUAR XJ


ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing BOSCH

Takım Sipariş Kodu / Set Order Code

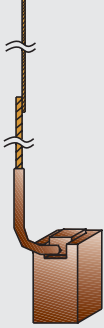
 Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

BX 209

1 127 014 021


2-B 209

 Gerilim / Voltage
(Volt)

12/24

 Ölçü / Dimension
(mm)

8x5x15,5

 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

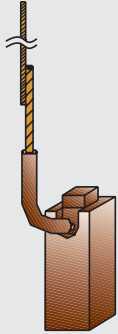
MERCEDES

KAMYON / TRUCK

FIAT TRAKTÖR / TRACTOR

SAAB
J.DEER
MAN
BX 213

1 127 014 028


2-B 213

 Gerilim / Voltage
(Volt)

12/24

 Ölçü / Dimension
(mm)

6x4x17,5

 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

VOLKSWAGEN

PASSAT, POLO

GOLF, SHARAN

VENTO CADDY

TRANSPORTER

SEAT

TOLEDO

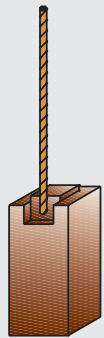
IBIZA, CORDOBA

OPEL

CORSA

VOLVO
BMW
MERCEDES
PEUGEOT
BX 214

1 127 014 024


2-B 214

 Gerilim / Voltage
(Volt)

12/24

 Ölçü / Dimension
(mm)

8x5x17,5

0 120 489 293, 309, 475, 481

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

 Gerilim / Voltage
(Volt)

24

 Ölçü / Dimension
(mm)

8x5x24,2

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

LEYLAND

KAMYON / TRUCK

MERCEDES

KAMYON / TRUCK

MAN

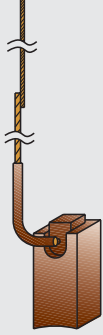
ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing BOSCH



Takım Sipariş Kodu / Set Order Code

BX 219

1 127 014 031

Özellikler
Properties**2-B 219**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**8x5x17,5**

Motor Numarası / Unit No.

0 120 469 847, 848
0 120 488 206, 294

Araç Modeli/Vehicle Model

BMW 5, 6, 7
FIAT TEMPRA, TIPO
LANCIA DEDRA**BX 220****2-B 220**Gerilim / Voltage
(Volt)**12/24**Ölçü / Dimension
(mm)**6x4x17,5**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, 016
F 000 LDO 700**FIAT** PALIO


ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing DELCO-REMY

Takım Sipariş Kodu / Set Order Code	Özellikler / Properties	Motor Numarası / Unit No.	Araç Modeli/Vehicle Model
RX 89-90-0  1 958197	1-R 89 1-R 90 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 8x5x13,2	1100600-68	CHEVROLET
RX 103  1 971 521	2-R 103 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 8x5x13,2	10 SI, 27SI	OPEL PONTIAC CHEVROLET
RX 103F  DR 702	2-R 103 F Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 8x5x13,2	34 72 002, 4, 8, 14, 18, 22-24, 26-28, 32, 33 035, 37, 38, 42, 48-53, 57-62, 65-68	OPEL
RX 106  187 6873	2-R106 Gerilim / Voltage (Volt) 12 Ölçü / Dimension (mm) 8x5x24	27 SI 200	CHEVROLET

ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing FIAT



Takım Sipariş Kodu / Set Order Code

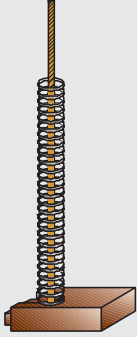
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

A 125

7 970 745/1

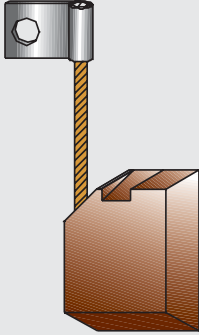
**2-A 125**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7,2x4,2x17,5**

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

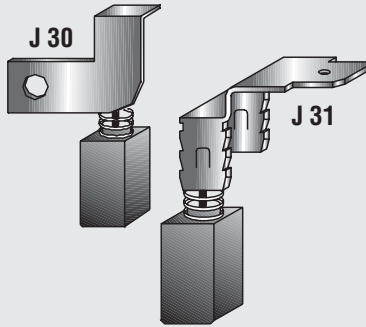
JX 16

4 042 681

**2-J 16**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7x19x26**

D115/12, 4158027, 4153104, 407539

FIAT 1800, 2100
TRAKTÖR / TRACTOR

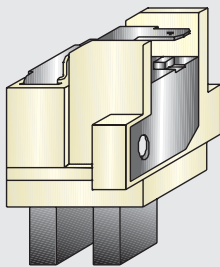
JX 30-314 190 088
4 190 090**1-J 30****1-J 31**Gerilim / Voltage
(Volt)**12/24**Ölçü / Dimension
(mm)**8x5x16/14,5**

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**

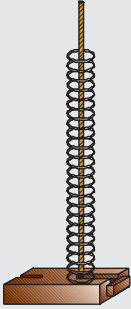
A12M-124-12-42/-42B/-42M/-42X/-47/-57B
A12M-124-24-26/-26D/-26M
A124-14V-44A/-60A
A124-28V-26A
633 030 00, 01, 30, 41, 61
633 031 20, 30, 40, 50, 91
633 032 00, 13, 20, 22, 23, 40, 80, 82, 90
633 033 20, 31, 50, 60, 80, 91
633 034 00, 09, 20, 29
633 035 00, 20, 30, 50, 70
633 040 03, 20, 23, 40, 50, 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

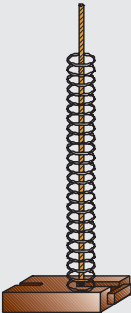

ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing FIAT
Takım Sipariş Kodu / Set Order Code
JX 42
**7970502.1
7970745.1**

**Özellikler
Properties**
2-J 42
**Gerilim / Voltage
(Volt)**
12/24
**Ölçü / Dimension
(mm)**
7,2x4,2x17/16,5
Motor Numarası / Unit No.

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, 96-99

Araç Modeli/Vehicle Model
**FIAT 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, 71

**FIAT
LANCIA**

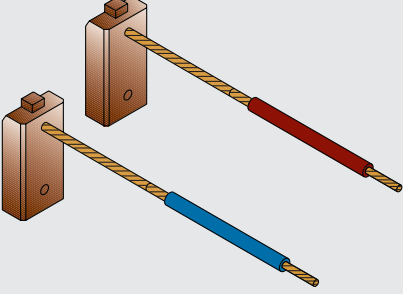
ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing FORD



Takım Sipariş Kodu / Set Order Code

FX 68

502 680 6
677 569 9
677 570 3

Özellikler
Properties**2-F 68**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**8,2x4,5x17,3**

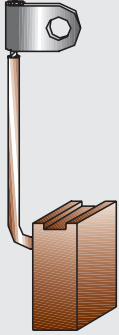
Motor Numarası / Unit No.

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

Araç Modeli/Vehicle Model

FORD
FOCUS
FIESTA

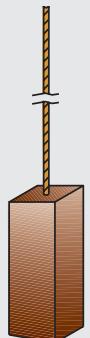
CONNECT


ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing HITACHI
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 DATSUN
SUNNY B10
BLUEBIRD
410, D. BUS
H20- PU
FORKLIFT**
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**

ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing HITACHI



Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JAAX 37L170-2325
L170-4325

2-JAA 37

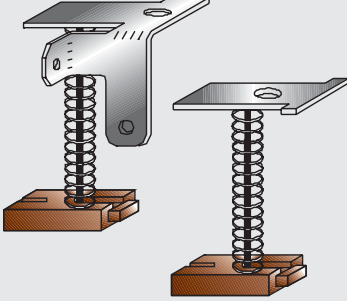
Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

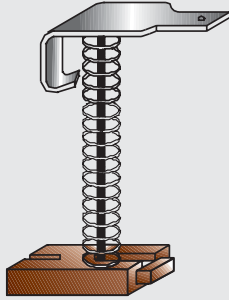
8x5x26,5/25

MAZDA
NISSAN


ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing LUCAS
Takım Sipariş Kodu / Set Order Code
A 115
**542 034 53
542 040 29**

**Özellikler
Properties**
Motor Numarası / Unit No.
Araç Modeli/Vehicle Model
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
7x4x22/20

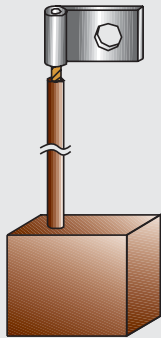
23983-86, 96-99
24020, 23-28, 34-38, 49, 51-54, 58, 59, 61-72, 79, 82, 83
85-90, 94-96, 98, 99
24112, 14-19, 28, 31-37, 44, 47, 49, 51, 53, 64-66, 70
77-85, 89-92
24204, 10, 11, 37

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

**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
7x4x20

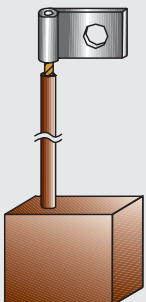
540 220 53, 54, 57, 58
221 30, 42, 47, 48, 60, 64, 67, 83, 86-88, 95-98
222 00, 12, 19, 24-28, 32, 34, 36, 38, 41-43, 51, 62, 64-66, 75, 80
81, 86, 90, 91, 95
223 01, 07, 10, 13, 14, 17, 18, 22, 23, 30, 35-37, 40, 42, 48, 49
53, 74, 75, 77-79, 82-85, 88-92, 94, 95, 97, 98
224 02, 08, 10, 15, 18-20, 25, 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
NISSANHD
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

ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing LUCAS



Takım Sipariş Kodu / Set Order Code

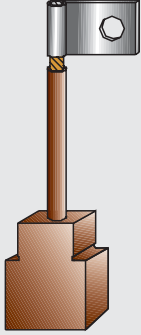
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

LAX 29

542 163 61



2-LA 29

Gerilim / Voltage
(Volt)

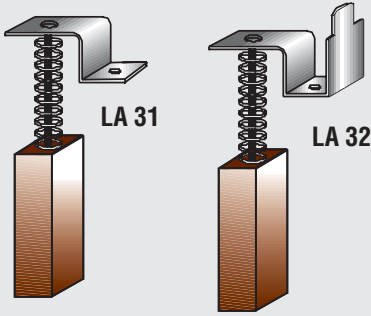
12

Ölçü / Dimension
(mm)

5,5x17,4x23

C40-T, 22762
22756, 58, 61, 62, 64, 69, 83, 92FORDSON 2000-3000-5000
TRAKTÖR / TRACTOR**LAX 31-32**

542 193 68

1-LA 31
1-LA 32Gerilim / Voltage
(Volt)

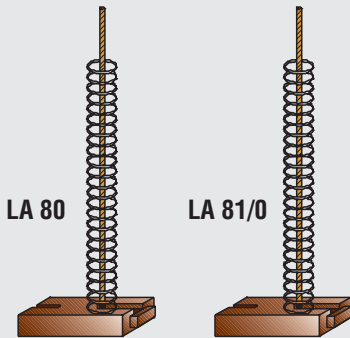
12

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, 40FORD
BEDFORD
JAGUAR
ROVER**LAX 80-81/0**

606 007 80

1-LA 80
1-LA 81Gerilim / 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
A115/133BMC
LEYLAND GENOTO
CHRYSLER TRAKTÖR/
TRACTOR
KAMYON/TRUCK
FORD TRANSIT KAMYONET
RENAULT
FIAT
TÜMOSAN
LUCAS
TÜRK TRAKTÖR
UNIVERSAL
TRAKTÖR / TRACTOR
UZEL**LAX 82**

542 029 06



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, 18BMC-LEVEND, MİNİBÜS/
VAN, KAMYONET/ TRUCK
NISSAN HD
FORD ESCORT
TRANSIT


ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing MITSUBISHI

Takım Sipariş Kodu / Set Order Code

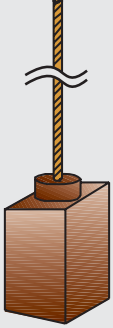
 Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

JAAX 16

A648 C005 70


2-JAA 16

A2T41191, AG2035A

**MAZDA
NISSAN**

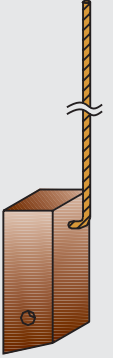
 FAMILIA
SUNNY, VAN

 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

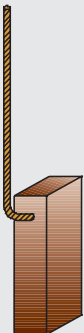
**MAZDA
MITSUBISHI
NISSAN**

 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

ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing MITSUBISHI



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

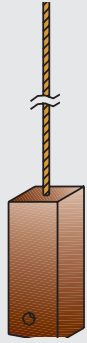
**2-JAA 34**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**8x5x18/16,5**

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


ALTERNATÖR KÖMÜRLERİ/ALTERNATOR BRUSHES - Replacing NIPPON DENSO
Takım Sipariş Kodu / Set Order Code
JAAX 9
21660-0130

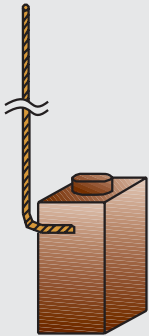
**Özellikler
Properties**
2-JAA 9
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
5x8x18/16,5
Motor Numarası / Unit No.

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

Araç Modeli/Vehicle Model
HONDA
JAAX 33
**21660-0311
21660-0530**

2-JAA 33
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
8x5x28,5/26

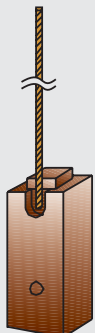
0210000013, 0041, 0720, 0731, 0740, 0830, 0850, 0930
0950, 1290, 1480, 1770, 8830, 9881, 9960
1002101573, 1961, 2130, 2210, 2221, 2250, 2251, 2280
2290, 2302, 2343, 2600, 2620, 2650, 2660
2700, 2710, 2720, 2750, 2760, 2840, 2860
2861, 2960, 2980, 3270 3280, 3350, 3360
3400, 3460, 3680, 3720, 3730, 3760 3770
1002130080, 0130, 0151, 0231, 0300, 0520, 0750, 0760
0770, 0800, 0950, 1120, 1210, 1290, 1500
1210001480, 2702068040, 2703057091

ISUZU
JAAX 35
**21660-0390
21660-0510**

2-JAA 35
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
5x7x15/14

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, 86510
SR11571

TOYOTA

COROLLA
CORONA
CARINA
CELICA

JAAX 38
21660-0370

2-JAA 38
**Gerilim / Voltage
(Volt)**
12
**Ölçü / Dimension
(mm)**
8x5x22/19,5

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, A5T03477

TOYOTA

CORONA
CROWN
L300
H 100
323, 626

MITSUBISHI
HYUNDAI
MAZDA

Takım Sipariş Kodu / Set Order Code

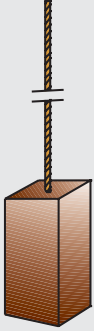
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

UX 79-80/0

608 272

1-U 79/0
1-U 80/0Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

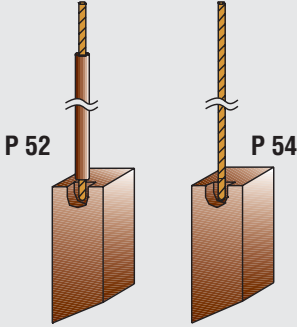
6x4,5x15

7526C, 27BC, 28C, 29BDEF, 30B, 31B, 33BCD
7535B, 38A, 40ABC, 41ABC, 43AB, 45A, 48A, 49ABCDE,
7550ABCDEF, 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

1-P 52
1-P 54Gerilim / 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



ÇEŞİTLİ KÖMÜRLER

MISCELLANEOUS BRUSHES

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



DİREKSİYON KÖMÜRLERİ/STEERING WHEEL PUMP BRUSHES

Takım Sipariş Kodu / Set Order Code

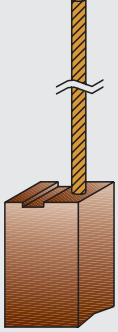
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

HPIX 1

145 110 411 034



4-HPI 1

7701470783

Gerilim / Voltage
(Volt)

12

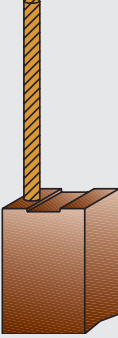
Ölçü / Dimension
(mm)

6,95x12,4x20,3

CITROEN SAXO
PEUGEOT 106
RENAULT KANGOO

HPIX 3

141 110 411 037



4-HPI 3

Gerilim / Voltage
(Volt)

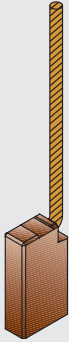
12

Ölçü / Dimension
(mm)

5,95x12,4x20

CITROEN SAXO
PEUGEOT 106
RENAULT KANGOO

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.

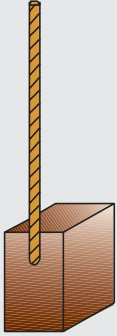
Araç Modeli/Vehicle Model

MTX 6 Y**3-MT 6 Y**Gerilim / Voltage
(Volt)**6/12**Ölçü / Dimension
(mm)**6,4x6,4x13**

SİLECEK / WIPER

SW 68

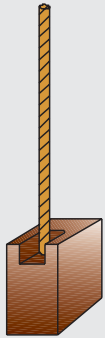
704061-16

**3-SW 68**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**6,5x6,5x11**

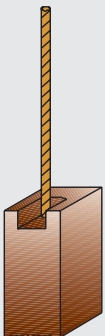
SİLECEK / WIPER

MEGA 201

7851780-0

**2-MEGA 201**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**6,34x6,34x11,3**

ARKA SİLECEK / REAR WIPER

MEGA 202785165-21
MTE 895 A**2-MEGA 202**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**6,85x8x18**

FAN



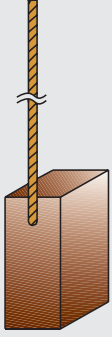
FAN KÖMÜRLERİ/FAN BRUSHES

Takım Sipariş Kodu / Set Order Code

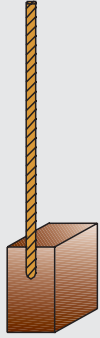
Özellikler
Properties

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

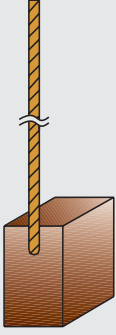
Özellikler
Properties

Motor Numarası / Unit No.

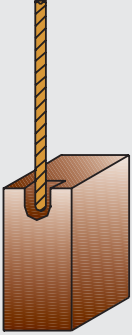
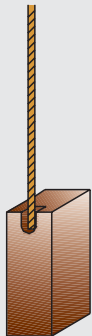
Araç Modeli/Vehicle Model

MTX 7**2-MT 7**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7,1x7,1x14**

KLİMA / AIR CONDITION

MEGA 200**2-MEGA 200**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



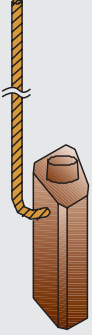
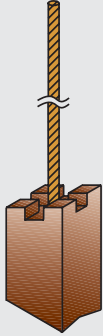
KLİMA KÖMÜRLERİ/AIR CONDITION BRUSHES

Takım Sipariş Kodu / Set Order Code

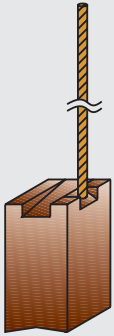
Özellikler
Properties

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

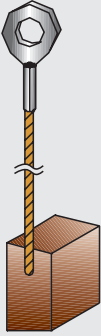
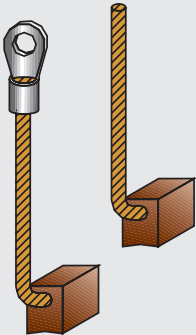
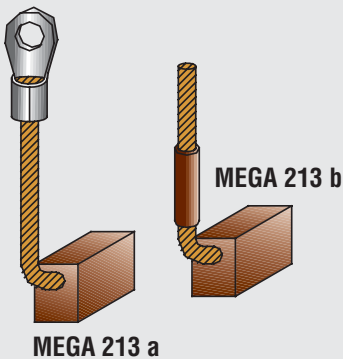
**2-MEGA 209**Gerilim / Voltage
(Volt)**24**Ölçü / Dimension
(mm)**8x10x20****MERCEDES
MAN
KASSBOHRER SETRA
SÜTRAK** KLİMA /
AIR CONDITION**MEGA 210****4-MEGA 210**Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**7,9x8,7x18****PEUGEOT** 206,306,307
KLİMA /
AIR CONDITION

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****2-MEGA 211**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



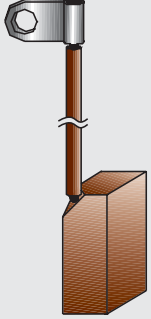
SCOOTER VE MOTOSİKLET KÖMÜRLERİ/SCOOTER AND MOTORCYCLE BRUSHES

Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

MEGA 876

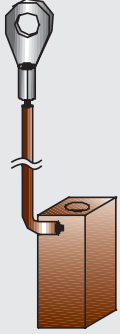
2-MEGA 876

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**

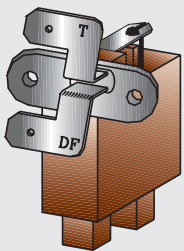
2-MEGA 880

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

YÜKSEK BAKIRLI KÖMÜRLER/BRUSHES WITH HIGH COPPER DENSITY



Takım Sipariş Kodu / Set Order Code

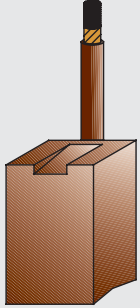
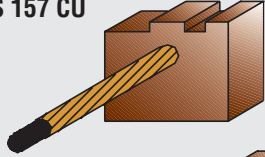
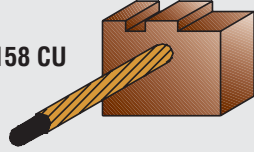
Özellikler
Properties

Motor Numarası / Unit No.

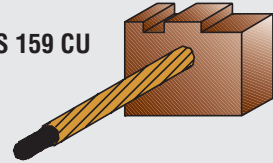
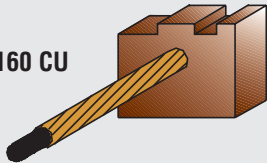
Araç Modeli/Vehicle Model

BSX 71 CU

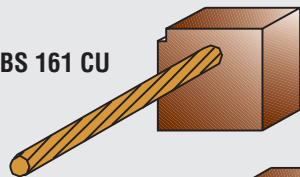
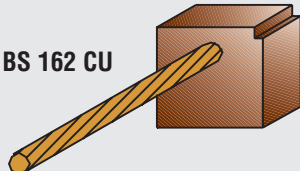
2 007 014 053

**4-BS 71 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, 9Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**9x16x25,5****OPEL**
BEDFORD
MERCEDES 200 D
HENSCHEL**BSX 157-158 CU**1 004 320 110-
111**BS 157 CU****BS 158 CU****2-BS 157**
2-BS 1580 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
999Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**6x18x14,5**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**BSX 159-160 CU**

1 004 320 113-114

BS 159 CU**BS 160 CU****2-BS 159**
2-BS 1601 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, 98Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**5x16x11,5/13**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
VOLVO A4, A6, A8**BSX 161-162 CU**

1 004 320 118-119

BS 161 CU**BS 162 CU****2-BS 161**
2-BS 1620 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, 07Gerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**5x12x11,6****AUDI** A4, A6
CITROEN
FIAT DUCATO
FORD ESCORT
MONDEO
OPEL VECTRA
306, 406
BOXER
PARTNER
SEAT CORDOBA
IBIZA
TOLEDO
SKODA OCTAVIA
VOLKSWAGEN POLO
GOLF, JETTA

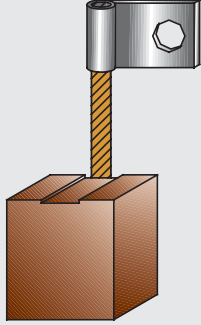


YÜKSEK BAKIRLI KÖMÜRLER/BRUSHES WITH HIGH COPPER DENSITY

Takım Sipariş Kodu / Set Order Code

JSX 16 CU

411 44 32



Özellikler
Properties

2-JS 16

Gerilim / Voltage
(Volt)

12

Ölçü / Dimension
(mm)

8x17x19

Motor Numarası / Unit No.

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

Araç Modeli/Vehicle Model

MURAT 124

RENAULT

TOFAŞ

DOĞAN

ŞAHİN

FIAT

TEMPRA 1.3

RENAULT

12

SEAT

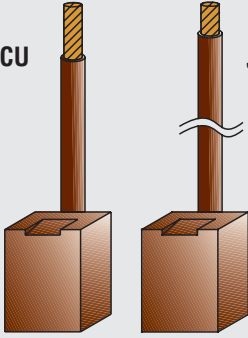
RONDA

JSX 21-22 CU

74 881 151

JS 21 CU

JS 22 CU



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, 38

TOFAŞ

FIAT

FORD

DOBLO

TAUNUS

SIERRA

CAPRI

TRANSIT

ANADOL

FORD

RENAULT

PEUGEOT

BMW

TUZLA

JEEP

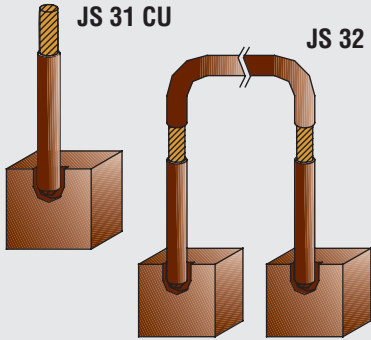
9-11

JSX 31-32 CU

7 489 438

JS 31 CU

JS 32 CU



2-JS 31

1-JS 32

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

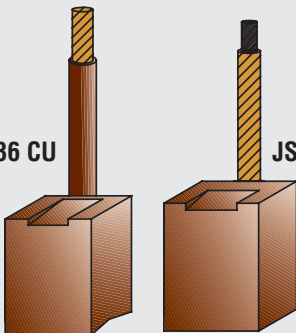
JSX 35-36 CU

83 221 191

83 221 201

JS 36 CU

JS 35 CU



2-JS 35

2-JS 36

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

YÜKSEK BAKIRLI KÖMÜRLER/BRUSHES WITH HIGH COPPER DENSITY



Takım Sipariş Kodu / Set Order Code

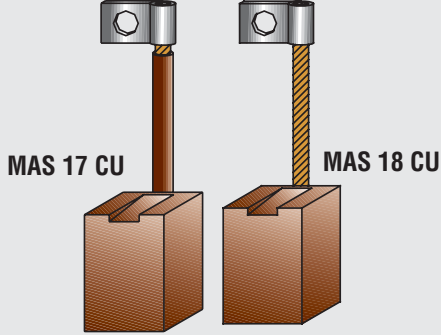
Özellikler
Properties

Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

MASX 17-18 CU

72383701-02

2-MAS 17
2-MAS 18MT71A, 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)

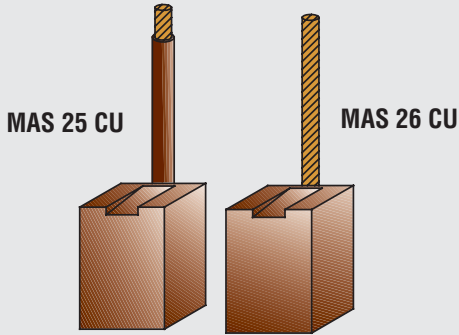
12

Ölçü / Dimension
(mm)

9x16x23

MASX 25-26 CU

721613/01-02

2-MAS 25
2-MAS 26MT 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, 48BMC
LEYLAND
FIAT ALLIS
TRAKTÖR /
TRACTOR
FORD TRANSIT
GENOTO BEDFORD
OTOKAR DEUTZ
STEYA
UZEL
M. FERGUSONGerilim / Voltage
(Volt)

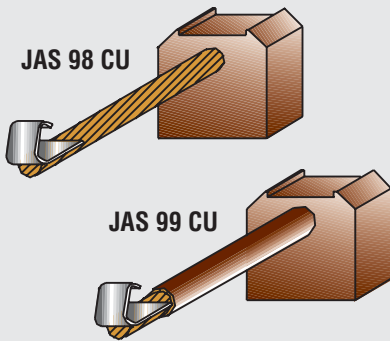
12

Ölçü / Dimension
(mm)

9x16x23

JASX 98-99 CU

ME 700 140

2-JAS 98 CU
2-JAS 99 CUMazda 8599-24-750
Mitsubishi MD618460
ME700127/ME701188
Nissan 23378-W3410MAZDA
MITSUBISHI
NISSANGerilim / Voltage
(Volt)

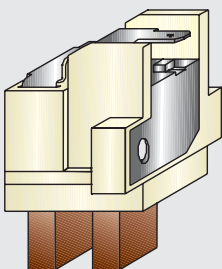
12

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, 90CHRYSLER
FIAT
FORD
OTOYOL
IVECO
RENAULT
M. FERGUSON
SEATGerilim / Voltage
(Volt)

12/24

Ölçü / Dimension
(mm)

8x5x16,5/14,5



YÜSEK BAKIRLI KÖMÜRLER/BRUSHES WITH HIGH COPPER DENSITY

Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

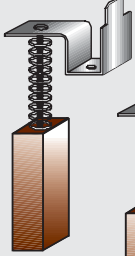
Motor Numarası / Unit No.

Araç Modeli/Vehicle Model

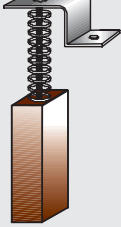
LAX 31-32 CU

54 219 368

LA 31 CU



LA 32 CU



1-LA 31
1-LA 32

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



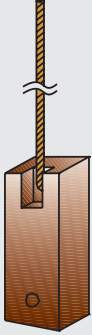
DİĞER KÖMÜRLER/OTHER BRUSHES

Takım Sipariş Kodu / Set Order Code

Özellikler
Properties

Motor Numarası / Unit No.

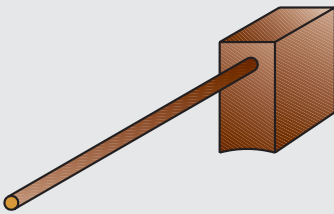
Araç Modeli/Vehicle Model

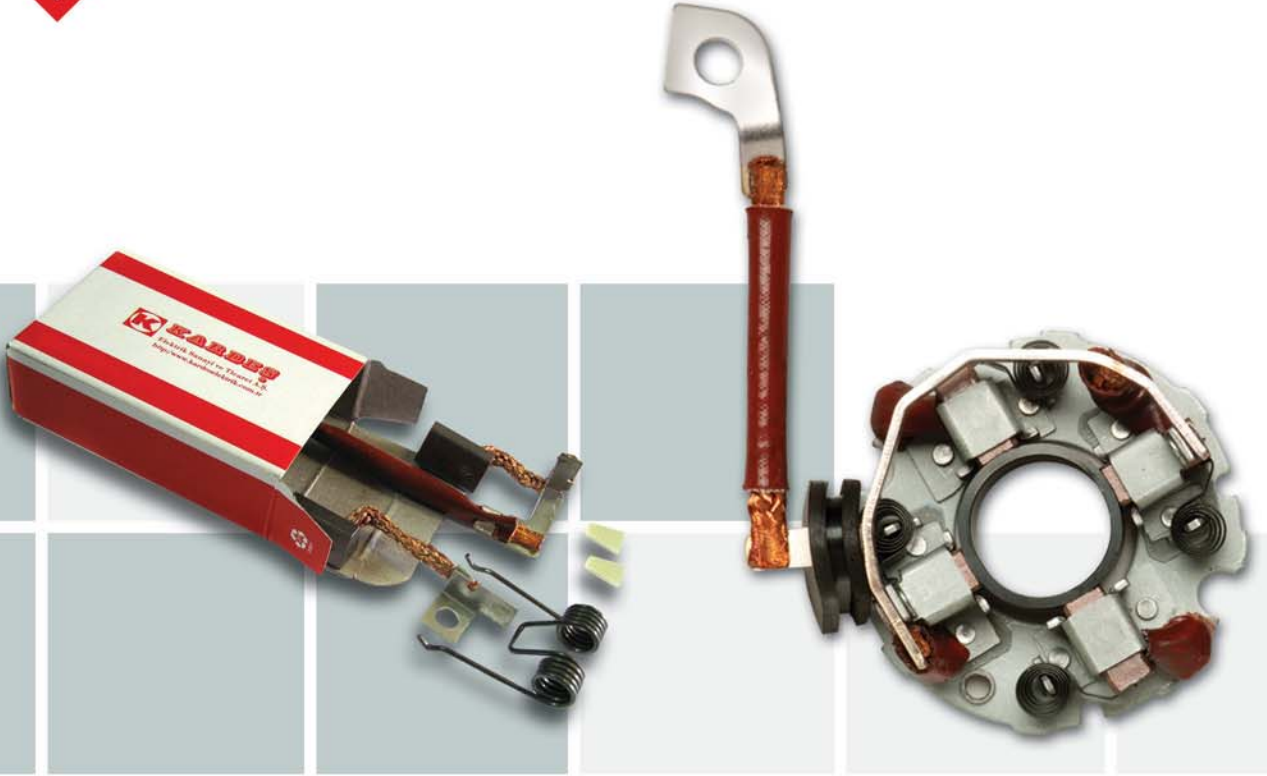
K-003A648 D027 70
A648 D030 70
A990 D030 70**2-K 003**FE2H-18-W77
JE15-18-W77
MD611689
23135-59E10
23135-64J12
23135-V5511
A4TGerilim / Voltage
(Volt)**12**Ölçü / Dimension
(mm)**5x8x21,5/23**KIA
SEPHIA
CAPITAL
BESTAMAZDA
MITSUBISHI
NISSAN
RENAULT**K-004**A648 C029 70
A648 D025 70
A648 D025 71**2-K 004**B675-18-W77
FE65-24-522
F811-18-W77
MD611035
MD611566
23135-13E10
49574-6404Gerilim / 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



ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST

KÖMÜR YUVALARI / BRUSH HOLDERS

BOSCH	MEGA	BOSCH	MEGA	BOSCH	MEGA
1 004 336 125	BO 1601	1 004 336 423	BO 1601	1 004 336 534	BO 1851
1 004 336 130	BO 1601	1 004 336 426	BO 1602	1 004 336 537	BO 2012
1 004 336 132	BO 1601	1 004 336 427	BO 1762	1 004 336 538	BO 2013
1 004 336 136	BO 1602	1 004 336 428	BO 1762	1 004 336 542	BO 1851
1 004 336 139	BO 1585	1 004 336 429	BO 1584	1 004 336 547	BO 1851
1 004 336 146	BO 1601	1 004 336 430	BO 1585	1 004 336 548	BO 2013
1 004 336 147	BO 1602	1 004 336 431	BO 1585	1 004 336 550	BO 2012
1 004 336 155	BO 1584	1 004 336 432	BO 1761	1 004 336 551	BO 2012
1 004 336 156	BO 1584	1 004 336 433	BO 1761	1 004 336 552	BO 2131
1 004 336 162	BO 1601	1 004 336 434	BO 1761	1 004 336 553	BO 2151
1 004 336 200	BO 1762	1 004 336 436	BO 1601	1 004 336 555	BO 2011
1 004 336 217	BO 1621	1 004 336 437	BO 1585	1 004 336 556	BO 2013
1 004 336 219	BO 1762	1 004 336 443	BO 1601	1 004 336 562	BO 2191
1 004 336 228	BO 1584	1 004 336 445	BO 1585	1 004 336 564	BO 2111
1 004 336 233	BO 1584	1 004 336 446	BO 1584	1 004 336 567	BO 2131
1 004 336 239	BO 1761	1 004 336 451	BO 1761	1 004 336 568	BO 2132
1 004 336 257	BO 1584	1 004 336 455	BO 1585	1 004 336 572	BO 2131
1 004 336 300	BO 1601	1 004 336 456	BO 1582	1 004 336 575	BO 2013
1 004 336 301	BO 1585	1 004 336 457	BO 1601	1 004 336 580	BO 1851
1 004 336 318	BO 1601	1 004 336 458	BO 1585	1 004 336 581	BO 2013
1 004 336 321	BO 1761	1 004 336 459	BO 1584	1 004 336 584	BO 2151
1 004 336 337	BO 1601	1 004 336 460	BO 1582	1 004 336 588	BO 2151
1 004 336 343	BO 1601	1 004 336 462	BO 1761	1 004 336 591	BO 2151
1 004 336 359	BO 1584	1 004 336 463	BO 1582	1 004 336 593	BO 1851
1 004 336 362	BO 1602	1 004 336 464	BO 1601	1 004 336 598	BO 2151
1 004 336 368	BO 1761	1 004 336 466	BO 1584	1 004 336 600	BO 1851
1 004 336 374	BO 1601	1 004 336 467	BO 1602	1 004 336 603	BO 2013
1 004 336 391	BO 1761	1 004 336 471	BO 1602	1 004 336 604	BO 2151
1 004 336 392	BO 1761	1 004 336 502	BO 1851	1 004 336 605	BO 2012
1 004 336 394	BO 1585	1 004 336 505	BO 1851	1 004 336 606	BO 2151
1 004 336 397	BO 1761	1 004 336 506	BO 2051	1 004 336 611	BO 2013
1 004 336 400	BO 1585	1 004 336 507	BO 2012	1 004 336 617	BO 2012
1 004 336 401	BO 1585	1 004 336 508	BO 2012	1 004 336 618	BO 2013
1 004 336 402	BO 1584	1 004 336 509	BO 2111	1 004 336 620	BO 2012
1 004 336 403	BO 1601	1 004 336 512	BO 2131	1 004 336 621	BO 2012
1 004 336 404	BO 1585	1 004 336 513	BO 2151	1 004 336 622	BO 2011
1 004 336 405	BO 1585	1 004 336 514	BO 2013	1 004 336 623	BO 2013
1 004 336 407	BO 1585	1 004 336 516	BO 2011	1 004 336 633	BO 2111
1 004 336 408	BO 1584	1 004 336 517	BO 2013	1 004 336 637	BO 2051
1 004 336 409	BO 1585	1 004 336 518	BO 2013	1 004 336 640	BO 2151
1 004 336 411	BO 1601	1 004 336 521	BO 2132	1 004 336 654	BO 2013
1 004 336 412	BO 1585	1 004 336 522	BO 2151	1 004 336 702	BO 1851
1 004 336 413	BO 1585	1 004 336 525	BO 1851	1 004 336 703	BO 1851
1 004 336 415	BO 1761	1 004 336 526	BO 1851	1 004 336 704	BO 2111
1 004 336 417	BO 1762	1 004 336 527	BO 2111	1 004 336 707	BO 2111
1 004 336 418	BO 1601	1 004 336 530	BO 2111	1 004 336 708	BO 2111
1 004 336 419	BO 1601	1 004 336 531	BO 2111	1 004 336 709	BO 2013
1 004 336 421	BO 1761	1 004 336 532	BO 2013	1 004 336 711	BO 1851

ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST



KÖMÜR YUVALARI / BRUSH HOLDERS

BOSCH	MEGA	BOSCH	MEGA	BOSCH	MEGA
1 004 336 713	BO 2012	1 004 336 801	BO 1761	1 004 336 890	BO 2151
1 004 336 714	BO 2013	1 004 336 802	BO 1582	1 004 336 893	BO 2011
1 004 336 715	BO 1761	1 004 336 804	BO 1585	1 004 336 894	BO 2013
1 004 336 716	BO 1761	1 004 336 806	BO 1601	1 004 336 895	BO 2013
1 004 336 717	BO 1761	1 004 336 807	BO 1585	1 004 336 898	BO 2132
1 004 336 718	BO 1851	1 004 336 808	BO 1584	1 004 336 899	BO 2151
1 004 336 720	BO 1585	1 004 336 809	BO 1761	1 004 336 902	BO 1601
1 004 336 725	BO 2013	1 004 336 810	BO 1761	1 004 336 903	BO 1601
1 004 336 726	BO 2013	1 004 336 811	BO 1602	1 004 336 904	BO 1602
1 004 336 728	BO 1761	1 004 336 812	BO 1601	1 004 336 906	BO 1584
1 004 336 730	BO 1585	1 004 336 813	BO 1761	1 004 336 907	BO 1601
1 004 336 731	BO 1585	1 004 336 814	BO 1761	1 004 336 908	BO 1582
1 004 336 732	BO 1584	1 004 336 815	BO 1621	1 004 336 909	BO 1585
1 004 336 733	BO 1601	1 004 336 816	BO 1601	1 004 336 911	BO 1602
1 004 336 734	BO 1585	1 004 336 817	BO 1621	1 004 336 912	BO 1601
1 004 336 735	BO 1585	1 004 336 819	BO 1585	1 004 336 913	BO 1601
1 004 336 736	BO 1585	1 004 336 820	BO 1762	1 004 336 914	BO 1585
1 004 336 737	BO 1584	1 004 336 821	BO 1762	1 004 336 915	BO 1621
1 004 336 738	BO 1585	1 004 336 823	BO 1601	1 004 336 916	BO 1621
1 004 336 740	BO 1601	1 004 336 826	BO 1585	1 004 336 917	BO 1621
1 004 336 741	BO 1585	1 004 336 827	BO 1761	1 004 336 918	BO 1601
1 004 336 742	BO 1585	1 004 336 828	BO 1761	1 004 336 919	BO 1602
1 004 336 744	BO 1761	1 004 336 829	BO 1585	1 004 336 921	BO 1601
1 004 336 746	BO 1762	1 004 336 831	BO 1761	1 004 336 922	BO 1601
1 004 336 747	BO 1601	1 004 336 832	BO 1601	1 004 336 923	BO 1602
1 004 336 748	BO 1601	1 004 336 833	BO 1761	1 004 336 924	BO 1585
1 004 336 751	BO 2012	1 004 336 834	BO 1621	1 004 336 925	BO 1585
1 004 336 752	BO 2012	1 004 336 835	BO 1582	1 004 336 926	BO 1584
1 004 336 753	BO 2131	1 004 336 836	BO 1585	1 004 336 927	BO 1584
1 004 336 754	BO 2151	1 004 336 837	BO 1601	1 004 336 928	BO 1621
1 004 336 756	BO 2011	1 004 336 839	BO 1584	1 004 336 931	BO 1585
1 004 336 757	BO 2013	1 004 336 840	BO 1585	1 004 336 933	BO 1584
1 004 336 762	BO 1601	1 004 336 842	BO 1761	1 004 336 934	BO 1601
1 004 336 766	BO 2191	1 004 336 843	BO 1621	1 004 336 935	BO 1601
1 004 336 768	BO 2111	1 004 336 844	BO 1621	1 004 336 936	BO 1601
1 004 336 771	BO 2131	1 004 336 846	BO 1621	1 004 336 937	BO 1762
1 004 336 773	BO 2132	1 004 336 847	BO 1584	1 004 336 938	BO 1761
1 004 336 776	BO 1762	1 004 336 853	BO 1761	1 004 336 939	BO 1621
1 004 336 777	BO 1584	1 004 336 859	BO 1601	1 004 336 940	BO 1621
1 004 336 778	BO 1585	1 004 336 860	BO 1585	1 004 336 941	BO 1601
1 004 336 779	BO 1585	1 004 336 865	BO 1621	1 004 336 942	BO 1585
1 004 336 782	BO 2131	1 004 336 866	BO 1851	1 004 336 943	BO 1621
1 004 336 786	BO 2191	1 004 336 872	BO 2013	1 004 336 944	BO 1602
1 004 336 789	BO 1851	1 004 336 879	BO 2051	1 004 336 945	BO 1584
1 004 336 792	BO 2151	1 004 336 884	BO 2012	1 004 336 946	BO 1582
1 004 336 796	BO 2151	1 004 336 885	BO 2012	1 004 336 947	BO 1585
1 004 336 798	BO 2151	1 004 336 886	BO 2111	1 004 336 948	BO 1584
1 004 336 800	BO 1584	1 004 336 889	BO 2131	1 004 336 949	BO 1582



ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST

KÖMÜR YUVALARI / BRUSH HOLDERS

BOSCH	MEGA	BOSCH	MEGA	CARGO	MEGA
1 004 336 950	BO 1601	6 033 AD0 160	BO 1931	134660	BO 1585
1 004 336 951	BO 1762	6 033 AD0 166	BO 1951	134868	BO 1621
1 004 336 952	BO 1621	6 033 AD0 221	BO 1931	135015	BO 1762
1 004 336 953	BO 1621	6 033 AD0 368	BO 1931	135235	BO 1602
1 004 336 954	BO 1601	6 033 AD0 370	BO 1951	136418	BO 1621
1 004 336 955	BO 1585	6 033 AD0 374	BO 1951	136557	BO 1761
1 004 336 956	BO 1585	6 033 AD0 380	BO 1911	136728	VA 1480
1 004 336 957	BO 1761	6 033 AD0 383	BO 1911	137121	HI 4551
1 004 336 958	BO 1584	6 033 AD0 401	BO 1931	137268	BO 1621
1 004 336 959	BO 1585	6 033 AD0 404	BO 1931	137618	BO 1761
1 004 336 960	BO 1601	6 033 AD0 407	BO 1931	137703	BO 1582
1 004 336 961	BO 1602	6 033 AD0 471	BO 1911	138201	BO 1621
1 004 336 962	BO 1585	6 033 AD1 244	BO 1931	138326	BO 1601
1 004 336 963	BO 1621	6 033 AD1 246	BO 1931	138672	MI 0111
1 004 336 964	BO 1761	6 033 AD1 250	BO 1931	138672+140963	MI 0111
1 004 336 965	BO 1601	6 033 AD3 022	BO 1951	138899	BO 1621
1 004 336 967	BO 1621	6 033 AD3 042	BO 1951	138900	BO 1585
1 004 336 968	BO 1601	6 033 AD3 058	BO 1951	138902	BO 1621
1 004 336 969	BO 1621	6 033 AD3 262	BO 1951	138903	BO 1601
1 004 336 970	BO 1761	6 033 AD3 267	BO 1951	138904	BO 1621
1 004 336 971	BO 1601	6 033 AD4 016	BO 1911	138905	BO 1762
1 004 336 973	BO 1601	6 033 AD4 026	BO 1911	138906	BO 1761
1 004 336 974	BO 1601	6 033 AD4 054	BO 1911	139144	BO 1601
1 004 336 975	BO 1761	6 033 AD4 194	BO 1911	139145	BO 1761
1 004 336 976	BO 1585	6 033 AD5 179	BO 1911	139146	BO 1584
1 004 336 980	BO 1761	9 000 081 094	BO 1621	139224	VA 1551
1 004 336 981	BO 1585	9 003 334 363	BO 1911	139428	BO 1584
1 004 336 983	BO 1584	9 003 334 368	BO 1951	139505+139698	BO 1911
1 004 336 984	BO 1585	F 000 AL1 055	BO 1621	139638	BO 1585
1 004 336 985	BO 1761	F 000 AL1 326	BO 1621	139698	BO 1911
1 004 336 986	BO 1601	F 000 AL1 483	BO 1621	140559	MI 0411
1 004 336 987	BO 1762	F 000 AL1 917	BO 1621	140560	MI 2431
1 004 336 988	BO 1584	F 000 AL1 918	BO 1621	230741	FO 0751
1 004 336 989	BO 1761	F 000 AL1 919	BO 1621	231648	BO 1931
1 004 336 990	BO 1584	F 000 AL2 034	BO 1621	232183	BO 1761
1 004 336 991	BO 1584	F 000 AL2 035	BO 1621	232700	BO 1851
1 004 336 992	BO 1621	F 000 AL2 036	BO 1621	233565	BO 1761
1 004 336 993	BO 1621	F 000 AL2 109	BO 1621	234126	BO 1851
1 004 336 994	BO 1582			234947	BO 1951
1 004 336 995	BO 1601				
1 004 336 996	BO 1585				
1 004 336 997	BO 1585				
1 004 336 998	BO 1601				
1 004 336 999	BO 1585				
6 033 AD0 014	BO 1931				
6 033 AD0 130	BO 1911				
6 033 AD0 156	BO 1911				
6 033 AD0 159	BO 1931				
CARGO	MEGA	CARGO	MEGA	NIPPON DENSO	MEGA
132873	ND 7781	132873	ND 7781	028510-0640	ND 7781
133341	MI 0411	133341	MI 0411	028510-0840	ND 7781
133342	MI 2431	133342	MI 2431	028510-0880	MI 0111
133647	VA 1480	133647	VA 1480	028510-5500	ND 7781
133886	MI 1701	133886	MI 1701		
134658	BO 1601	134658	BO 1601		
134659	BO 1584	134659	BO 1584		



ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST

KÖMÜRLER / BRUSHES

BOSCH	MEGA	BOSCH	MEGA	BOSCH	MEGA
1 004 320 051	BS 49	1 004 320 176	BS 201	1 107 014 115	BX 104
1 004 320 055	BS 43	1 004 320 177	BS 204	1 107 014 116	BX 104
1 004 320 059	BS 43	1 004 320 178	BS 205	1 107 014 117	BX 104
1 004 320 063	BS 59	1 004 320 900	BS 98	1 107 014 118	BX 68
1 004 320 067	BS 49	1 004 320 902	BS 121	1 107 014 119	BX 68
1 004 320 069	BS 76	1 004 320 905	BS 98	1 107 014 125	BX 145
1 004 320 071	BS 76	1 004 320 906	BS 213	1 107 014 126	BSX 49
1 004 320 072	BS 59	1 004 320 907	BS 98	1 107 014 134	BX 131
1 004 320 076	BS 75	1 004 320 910	BS 140	1 107 014 135	BX 145
1 004 320 082	BS 76	1 004 320 911	BS 146	1 107 014 136	BX 131
1 004 320 100	BS 152	1 004 320 912	BS 151	1 107 014 137	BX 131
1 004 320 101	BS 149 / 154 / 156	1 007 014 100	BSX 12	1 107 014 138	BX 169
1 004 320 102	BS 149 / 154 / 156	1 007 014 102	BSX 52	1 107 014 142	BX 169
1 004 320 103	BS 149 / 154 / 156	1 007 014 103	BSX 52	1 107 014 144	BX 169
1 004 320 105	BS 152	1 007 014 105	BSX 36	1 124 320 000	B 151
1 004 320 106	BS 152	1 007 014 106	BSX 33	1 124 320 013	B 182
1 004 320 110	BS 157	1 007 014 107	BSX 34	1 124 320 024	B 185
1 004 320 111	BS 158	1 007 014 109	BSX 35	1 124 320 027	B 185
1 004 320 112	BS 151/0	1 007 014 121	BSX 76	1 124 320 028	B 182
1 004 320 113	BS 159	1 007 014 123	BSX 43	1 124 320 029	B 182
1 004 320 114	BS 160	1 007 014 126	BSX 98	1 124 320 034	B 185
1 004 320 118	BS 175	1 007 014 128	BSX 121	1 124 320 035	B 185
1 004 320 119	BS 176	1 007 014 129	BSX 124	1 124 320 039	B 199
1 004 320 136	BS 166	1 007 014 131	BSX 98	1 124 320 040	B 185
1 004 320 140	BS 159	1 007 014 137	BSX 146	1 124 320 045	B 201
1 004 320 141	BS 160	1 007 014 138	BSX 140	1 124 320 046	B 202
1 004 320 142	BS 158	1 007 014 139	BSX 149	1 124 320 051	B 204
1 004 320 143	BS 157	1 007 014 140	BSX 159-160	1 124 320 061	B 209
1 004 320 146	BS 159	1 007 014 141	BSX 156	1 124 320 063	B 204
1 004 320 147	BS 160	1 007 014 143	BSX 151	1 124 320 070	B 204
1 004 320 148	BS 157	1 007 014 144	BSX 152	1 124 320 073	B 214
1 004 320 149	BS 158	1 007 014 145	BSX 154	1 124 320 074	B 204
1 004 320 154	BS 175	1 104 320 025	B 169 / 131 / 145	1 124 320 075	B 215
1 004 320 155	BS 176	1 104 320 031	B 169 / 131 / 145	1 124 320 079	B 204
1 004 320 156	BS 175	1 104 320 037	B 169 / 131 / 145	1 127 014 000	BX 151
1 004 320 157	BS 176	1 104 320 039	B 169 / 131 / 145	1 127 014 004	BX 185
1 004 320 158	BS 196	1 104 320 065	BS 76	1 127 014 005	BX 185
1 004 320 161	BS 182	1 107 014 018	BX 68	1 127 014 006	BX 185
1 004 320 162	BS 183	1 107 014 100	BX 169	1 127 014 007	BX 185
1 004 320 163	BS 184	1 107 014 101	BX 145	1 127 014 008	BX 185
1 004 320 164	BS 185	1 107 014 102	BX 145	1 127 014 010	BX 199
1 004 320 165	BS 158	1 107 014 104	BX 131	1 127 014 011	BX 185
1 004 320 166	BS 157	1 107 014 105	BX 145	1 127 014 013	BX 185
1 004 320 167	BS 159	1 107 014 107	BX 131	1 127 014 015	BX 199
1 004 320 168	BS 160	1 107 014 108	BX 131	1 127 014 016	BX 201
1 004 320 169	BS 175	1 107 014 109	BX 131	1 127 014 017	BX 202
1 004 320 170	BS 176	1 107 014 110	BSX 43	1 127 014 018	BX 204
1 004 320 175	BS 200	1 107 014 114	BX 104	1 127 014 019	BX 209

ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST



KÖMÜRLER / BRUSHES

BOSCH	MEGA	BOSCH	MEGA	BOSCH	MEGA
1 127 014 020	BX 202	1 917 000 576	PSX 133	2 004 320 062	BS 148
1 127 014 021	BX 209	1 917 000 577	JSX 21-22	2 004 320 066	BS 33
1 127 014 022	BX 204	1 917 000 578	MASX 17-18	2 004 320 068	BS 34
1 127 014 023	BX 204	1 917 010 205	JX 16	2 004 320 084	BS 35
1 127 014 024	BX 214	1 917 010 300	LAX 9	2 004 320 087	BS 34
1 127 014 025	BX 204	1 917 010 302	LAX 31-32	2 004 320 089	BS 35
1 127 014 026	BX 215	1 917 010 305	LAX 23	2 004 320 091	BS 35
1 127 014 027	BX 215	1 917 010 391	PLX 5	2 004 320 092	BS 35
1 127 014 028	BX 213	1 917 012 104	RX 103	2 004 320 098	BS 35
1 127 014 030	BX 204	1 917 012 155	UX 79-80	2 004 320 101	BS 134
1 127 014 031	BX 219	1 917 012 203	JX 30-31	2 004 320 102	BS 144
1 917 000 153	RX 60	1 917 012 352	PX 52-54	2 004 320 103	BS 135
1 917 000 154	RX 70	1 917 012 353	PX 52-54	2 004 320 104	BS 145
1 917 000 155	RX 87	1 917 012 354	PX 52-54	2 004 320 108	BS 163 / 167
1 917 000 158	RX 92	1 917 700 476	PLSX 3	2 004 320 109	BS 164 / 168
1 917 000 205	USX 60-59	1 987 000 004	JAAX 32	2 004 320 114	BS 39
1 917 000 206	USX 60-59	1 987 000 005	JASX 66-67	2 004 320 124	BS 102
1 917 000 207	USX 60-59	1 987 000 006	JASX 57-58	2 004 320 130	BS 12
1 917 000 208	USX 60-59	1 987 000 007	JASX 29	2 004 320 139	BS 139
1 917 000 210	USX 60-59	1 987 000 010	JASX 69-70	2 004 320 141	BS 67
1 917 000 211	USX 73-85	1 987 120 000	JAAX 9	2 004 320 144	BS 85
1 917 000 215	USX 91-92	1 987 120 001	JAAX 20	2 004 320 154	BS 59
1 917 000 250	JSX 5	1 987 120 002	JASX 63	2 004 320 158	BS 196
1 917 000 251	JSX 9	1 987 120 003	JAAX 25	2 004 320 163	BS 198
1 917 000 253	JSX 13	1 987 120 004	JAAX 24	2 004 320 164	BS 199
1 917 000 254	JSX 15	1 987 120 010	JAAX 25	2 004 320 165	BS 170
1 917 000 255	JSX 16	1 987 120 022	JAAX 19	2 004 320 166	BS 171
1 917 000 259	JSX 18	1917 000 161	RX 120	2 004 320 172	BS 75
1 917 000 260	JSX 19	1917 000 162	RX 120	2 004 320 173	BS 75
1 917 000 354	LASX 15-16	1917 000 201	USX 44-21	2 004 320 180	BS 75
1 917 000 355	LASX 15-27	1917 012 105	RX 103 F	2 004 320 196	BS 170
1 917 000 357	LASX 36	1917 012 400	SVX 7	2 004 320 197	BS 171
1 917 000 359	LASX 40-41	1917 012 401	SVX 7	2 004 320 207	BS 67
1 917 000 360	LASX 42	2 000 014 078	BSX 100	2 004 320 208	BS 85
1 917 000 361	LASX 30-31-32	2 004 320 006	BS 12	2 004 320 217	BS 100
1 917 000 363	LASX 43-44	2 004 320 008	BS 39	2 004 320 218	BS 100
1 917 000 503	PSX 115-116	2 004 320 009	BS 12	2 004 320 230	BS 139
1 917 000 509	PSX 115-116	2 004 320 013	BS 34	2 004 320 240	BS 178
1 917 000 521	PSX 115-116	2 004 320 017	BS 147	2 004 320 241	BS 179
1 917 000 525	PSX 81-82	2 004 320 026	BS 70	2 004 320 242	BS 180
1 917 000 526	PSX 83-84	2 004 320 030	BS 75	2 004 320 243	BS 181
1 917 000 542	PSX 132	2 004 320 038	BS 139	2 004 320 244	BS 172
1 917 000 553	PSX 112	2 004 320 043	BS 52 / 74	2 004 320 245	BS 173
1 917 000 554	PSX 83-84	2 004 320 044	BS 52 / 74	2 004 320 251	BS 148
1 917 000 563	PSX 129	2 004 320 053	BS 36	2 004 320 253	BS 148
1 917 000 564	PSX 132	2 004 320 057	BS 148	2 004 320 254	BS 148
1 917 000 565	JSX 21-22	2 004 320 058	BS 148	2 004 320 255	BS 148
1 917 000 575	PSX 130	2 004 320 061	BS 148	2 004 320 257	BS 148



ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST

KÖMÜRLER / BRUSHES

BOSCH	MEGA	BOSCH	MEGA	CARGO	MEGA
2 004 320 270	BS 197	2 007 014 076	BSX 163-164	140134	RX 103
2 004 320 271	BS 177	2 007 014 077	BSX 170-171	140135	RX 106
2 004 320 285	BS 148	2 007 014 079	BSX 172-173	140161	LAX 80-81
2 004 320 294	BS 137	2 007 014 080	BSX 178-179	140334	JASX 57-58
2 004 320 295	BS 143	2 007 014 081	BSX 180-181	140336	JASX 66-67
2 004 320 296	BS 137	2 007 014 082	BSX 177	140337	JASX 94-95
2 004 320 297	BS 143	2 007 014 085	BSX 170-171	140338	JASX 80-81
2 007 014 000	BSX 52	2 014 320 001	B 147 / 188	140342	JAAX 20
2 007 014 001	BSX 12	2 014 320 003	B 147 / 188	140344	JAAX 12
2 007 014 002	BSX 39	2 014 320 007	B 147 / 188	140347	JASX 69-70
2 007 014 004	BSX 148	2 014 320 012	B 147 / 188	140349	JASX 82-83
2 007 014 007	BSX 12	2 104 320 012	B 192	140350	JAAX 16
2 007 014 008	BSX 148	2 104 320 064	B 192	140351	JAAX 25
2 007 014 013	BSX 35	2 104 320 074	B 104	140352	JAAX 24
2 007 014 015	BSX 148	2 104 320 105	B 68	140353	JAAX 24
2 007 014 018	BSX 70	2 104 320 107	B 68	140354	JAAX 31
2 007 014 019	BSX 102	2 104 320 141	BS 12	140357	JASX 22
2 007 014 020	BSX 33	2 107 014 004	BX 68	140360	JASX 63
2 007 014 021	BSX 34	2 124 320 003	B 175 / 203	140361	JASX 88
2 007 014 022	BSX 85	2 124 321 003	B 175 / 203	140362	JASX 84
2 007 014 023	BSX 148	2 124 321 005	B 175 / 203	140363	JASX 85
2 007 014 024	BSX 74	2 127 014 003	BX 203	140364	JASX 77-78
2 007 014 026	BSX 75	2 127 014 004	BX 203	140369	JAAX 33
2 007 014 027	BSX 75	2 127 014 005	BX 203	140370	JAAX 38
2 007 014 032	BSX 100	2 134 320 021	B 147 / 188	140371	JAAX 35
2 007 014 035	BSX 100	2 137 014 003	BSX 12	140378	JASX 36-37
2 007 014 036	BSX 148	6 033 ADO 011	BS 192	140379	JASX 74-75
2 007 014 040	BSX 139	6 033 ADO 012	BS 193	140380	JAAX 32
2 007 014 042	BSX 148	6 033 ADO 263	BS 202	140385	JASX 29
2 007 014 044	BSX 96	6 033 ADO 264	BS 203	140387	JASX 98-99
2 007 014 047	BSX 35	9 001 082 414	BSX 98	140388	JASX 71-72
2 007 014 048	BSX 148	9 001 453 644	BSX 177	140437	JAAX 34
2 007 014 049	BSX 100	9 003 334 321	BS 165	140559	JASX 40-41
2 007 014 050	BSX 96	9 003 334 328	BS 151	140567	JASX 74
2 007 014 051	BSX 100	9 003 334 359	BS 190	140575	JAAX 37
2 007 014 052	BSX 96	9 003 334 360	BS 191	140576	JAAX 36
2 007 014 053	BSX 102	9 003 334 361	BS 194	140591	JASX 69-70
2 007 014 056	BSX 96	9 003 334 362	BS 195	140595	JASX 92-93
2 007 014 061	BSX 148	9 003 337 001	BSX 165	140600	RX 457-458
2 007 014 062	BSX 134-144	9 104 082 125	BX 169	140602	JASX 39
2 007 014 063	BSX 135-145	9 122 080 043	BX 202	140603	LASX 30-31-32
2 007 014 064	BSX 96	9 124 080 024	BX 202	140613	LAX 82
2 007 014 065	BSX 137-143	9 124 080 043	BX 202	140716	LASX 15-27
2 007 014 067	BSX 147	9 124 080 124	BX 202	140732	RX 419-420
2 007 014 068	BSX 137-143			140740	JASX 52
2 007 014 070	BSX 148			140755	RX 911
2 007 014 072	BSX 177			140765	LASX 76
2 007 014 073	BSX 163-164			140808	PSX 142-143

KÖMÜRLER / BRUSHES

FUJI	MEGA	FUJI	MEGA	FUJI	MEGA
FF-110	JASX 57-58	FI-027	JASX 88	FI-327	JAAX 19
FF-111	JASX 57-58	FI-029	JASX 89	FI-329	JAAX 19
FF-117	JASX 66-67	FI-030	JASX 88	FI-330	JAAX 19
FF-118	JASX 66-67	FI-040	JASX 89	FI-331	JAAX 9
FF-120	JASX 66-67	FI-041	JASX 85	FI-339	JAAX 19
FF-121	JASX 66-67	FI-046	JASX 36-37	FI-340	JAAX 19
FF-122	JASX 66-67	FI-051	JASX 92-93	FI-347	JAAX 19
FF-124	JASX 39 C	FI-052	JASX 92-93	FI-353	JAAX 20
FF-125	JASX 84	FI-053	JASX 74	FI-354	JAAX 20
FF-128	JASX 85	FI-054	JASX 74-75	FI-355	JAAX 32
FF-132	JASX 84	FI-055	JASX 74-75	FI-356	JAAX 32
FF-134	JASX 85	FI-056	JASX 74-75	FI-357	JAAX 32
FF-135	JASX 84	FI-061	JASX 77-78	FI-358	JAAX 20
FF-146	JASX 84	FI-065	JASX 39 C	FI-359	JAAX 20
FF-150	JASX 66-67	FI-080	JASX 89	FI-360	JAAX 20
FF-151	JASX 66-67	FI-081	JASX 89	FI-361	JAAX 20
FF-155	JASX 84	FI-085	JASX 89	FI-364	JAAX 33
FF-156	JASX 84	FI-086	JASX 52	FI-368	JAAX 19
FF-157	JASX 84	FI-130	JASX 92-93	FI-371	JAAX 20
FF-158	JASX 39 C	FI-131	JASX 92-93	FI-372	JAAX 20
FF-303	JAAX 20	FI-133	JASX 57-58	FI-373	JAAX 20
FF-304	JAAX 20	FI-134	JASX 57-58	FI-374	JAAX 20
FF-308	JAAX 9	FI-159	JASX 94-95	FI-376	JAAX 20
FF-310	JAAX 32	FI-168	JASX 66-67	FI-378	JAAX 20
FF-313	JAAX 20	FI-172	JASX 92-93	FI-381	JAAX 32
FF-314	JAAX 20	FI-173	JASX 92-93	FI-384	JAAX 19
FF-315	JAAX 20	FI-174	JASX 94-95	FI-391	JAAX 32
FF-316	JAAX 20	FI-175	JASX 94-95	FI-393	JAAX 35
FF-319	JASX 39	FI-181	JASX 94-95	FI-398	JAAX 20
FF-321	JAAX 35	FI-182	JASX 94-95	FI-403	JAAX 33
FF-322	JAAX 34	FI-185	JASX 94-95	FI-404	JAAX 35
FF-323	JAAX 20	FI-186	JASX 94-95	FI-406	JAAX 20
FF-325	JAAX 35	FI-189	JASX 66-67	FI-407	JAAX 32
FH-123	JASX 88	FI-191	JASX 77-78	FJ-002	JASX 71
FH-125	JASX 94-95	FI-192	JASX 66-67	FJ-005	JASX 71
FH-126	JASX 94-95	FI-193	JASX 66-67	FJ-007	JASX 85
FH-145	JASX 88	FI-194	JASX 80-81	FJ-012	JASX 71-72
FH-303	JAAX 12	FI-195	JASX 80-81	FJ-016	JASX 88
FH-304	JAAX 19	FI-196	JASX 36-37	FJ-025	JASX 96-97
FH-306	JAAX 33	FI-197	JASX 36-37	FJ-026	JASX 98-99
FH-307	JAAX 33	FI-200	JASX 74-75	FJ-029	JASX 39 C
FH-318	JAAX 9	FI-304	JAAX 19	FJ-030	JASX 98-99
FH-323	JAAX 9	FI-315	JAAX 12	FJ-126	JASX 70
FH-324	JAAX 9	FI-320	JAAX 19	FJ-150	JASX 69-70
FI-001	JASX 74-75	FI-321	JAAX 19	FJ-151	JASX 69-70
FI-002	JASX 36-37	FI-322	JAAX 19	FJ-178	JASX 69-70
FI-003	JASX 36-37	FI-323	JAAX 20	FJ-183	JASX 82-83
FI-025	JASX 88	FI-324	JAAX 20	FJ-184	JASX 82-83



ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST

KÖMÜRLER / BRUSHES

FUJI	MEGA	FUJI	MEGA	FUJI	MEGA
FJ-189	JASX 70	FM-109	JASX 29	FN-028	JASX 70
FJ-190	JASX 98-99	FM-121	JASX 70	FN-030	JASX 98-99
FJ-191	JASX 70	FM-135	JASX 69-70	FN-031	JASX 96-97
FJ-192	JASX 96-97	FM-136	JASX 69-70	FN-126	JASX 29
FJ-192 H	JASX 96-97/K	FM-152	JASX 82-83	FN-127	JASX 29
FJ-192-TR	JASX 98-99/K	FM-153	JASX 82-83	FN-302	JAAX 12
FJ-194	JASX 70	FM-160	JASX 98-99	FN-305	JAAX 19
FJ-195	JASX 88	FM-161	JASX 71	FN-312	JAAX 16
FJ-200	JASX 70	FM-162	JASX 71	FN-317	JAAX 19
FJ-307	JAAX 16	FM-164	JASX 70	FN-318	JAAX 25
FJ-309	JAAX 25	FM-166	JASX 71	FN-330	JAAX 20
FJ-312	JAAX 25	FM-167	JASX 77-78	FN-331	JAAX 20
FJ-323	JAAX 9	FM-168	JASX 85	FN-333	JAAX 19
FJ-324	JAAX 24	FM-171	JASX 85	FN-336	JAAX 16
FJ-325	JAAX 25	FM-178	JASX 71-72	FN-342	JAAX 20
FJ-333	JAAX 9	FM-181	JASX 74-75	FN-343	JAAX 24
FJ-334	JAAX 25	FM-182	JASX 74-75	FN-344	JAAX 20
FJ-336	JAAX 24	FM-183	JASX 82-83	FN-346	JAAX 20
FJ-337	JAAX 24	FM-184	JASX 82-83	FN-349	JAAX 31
FJ-342	JAAX 24	FM-185	JASX 39 C	FN-352	JAAX 24
FJ-343	JAAX 31	FM-302	JAAX 16	FN-355	JAAX 20
FJ-344	JAAX 24	FM-304	JAAX 25	FN-356	JAAX 32
FJ-345	JAAX 31	FM-305	JAAX 25	FN-357	JAAX 20
FJ-346	JAAX 33	FM-307	JAAX 25	FN-359	JAAX 20
FJ-347	JAAX 34	FM-309	JAAX 25	FN-360	JAAX 20
FJ-350	JAAX 35	FM-310	JAAX 16	FN-361	JAAX 20
FJ-352	JAAX 36	FM-311	JAAX 32	FN-362	JAAX 20
FJ-354	JAAX 34	FM-312	JAAX 24	FN-368	JAAX 32
FJ-358	JAAX 35	FM-313	JAAX 9	FN-372	JAAX 31
FK-107	JASX 84	FM-314	JAAX 24	FN-373	JAAX 32
FK-109	JASX 84	FM-315	JAAX 24	FN-376	JAAX 32
FK-113	JASX 66-67	FM-317	JAAX 9	FN-377	JAAX 20
FK-114	JASX 66-67	FM-318	JAAX 33	FN-379	JAAX 20
FK-115	JASX 89	FM-319	JAAX 34	FN-380	JAAX 20
FK-118	JASX 66-67	FM-320	JAAX 35	FN-382	JAAX 34
FK-119	JASX 66-67	FM-321	JAAX 32	FN-383	JAAX 36
FK-124	JASX 63	FM-322	JAAX 32	FN-385	JAAX 32
FK-125	JASX 85	FM-323	JAAX 32	FN-389	JAAX 20
FK-127	JASX 63	FM-324	JAAX 36	FN-390	JAAX 32
FK-128	JASX 89	FM-325	JAAX 34	FN-391	JAAX 37
FK-131	JASX 39 C	FM-326	JAAX 34	FN-393	JAAX 37
FK-139	JASX 84	FM-327	JAAX 36	FN-394	JAAX 36
FK-140	JASX 84	FN-006	JASX 36-37	FN-395	JAAX 37
FK-301	JAAX 19	FN-007	JASX 36-37	FN-396	JAAX 37
FK-302	JAAX 19	FN-015	JASX 66-67	FN-400	JAAX 36
FK-303	JAAX 9	FN-016	JASX 66-67	FN-402	JAAX 37
FK-315	JAAX 35	FN-018	JASX 36-37	FO-301	JAAX 20
FK-316	JAAX 35	FN-027	JASX 70	FO-302	JAAX 20



ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST

KÖMÜRLER / BRUSHES

LUCAS	MEGA	MAGNETI MARELLI	MEGA	MAGNETI MARELLI	MEGA
227 305	LAX 9	5127 0651	JS 22/26	7486 1781	JS 16
227 541	LAX 23	5127 0652	JS 21	7486 8171	JS 5
251 108	LASX 5-6	5127 0653	JS 25/27	7487 4701	JS 13
271 735	LASX 15-16	5127 0660	JS 25/27	7487 4741	JS 13
271 735-1	LASX 15-27	5127 0661	JS 22/26	7488 0941	JS 21
54 202 906	LAX 82	5127 0764	JS 31	7488 1121	JS 22/26
54 203 641	LAX 80-81	5127 0765	JS 32	7488 8401	JS 25/27
54 213 117	LAX 23	5127 0798	JS 25/27	7489 1071	JS 22/26
54 244 848	LASX 40-41	5127 0799	JS 22/26	7489 1080	JS 25/27
54 244 979	LASX 42	5127 0803	JS 29/30	7489 3801	JS 29/30
54 246 258	LASX 43-44	5127 0805	JS 29/30	7489 3811	JS 29/30
54 258 592	LASX 31	5174 5137	JS 33	7489 4381	JS 31
54 259 517	LASX 36	5174 5138	JS 34	7489 4391	JS 32
60 600 056	LASX 40-41	5420 2906	J 43	7489 9061	JS 31
60 600 205	LASX 46-47-48	7043 4401	BS 35	7489 9071	JS 32
60 600 767	LASX 73-41	7216 1301	MAS 26	7493 0001	J 16
60 600 780	LAX 80-81	7216 1302	MAS 25	7499 0451	J 31/35
60 600 911	LASX 87-77-78	7216 1303	MAS 28	7499 5241	J 30
60 600 953	LASX 86-79-80	7216 1304	MAS 27	7499 9471	J 30
TAB 106	LASX 30-31-32	7216 2401	MAS 22	7499 9481	J 31/35
TAB 114	LASX 46-47-48	7216 2402	MAS 21	7901 9316	MAS 17
TAB 117	LASX 40-41	7216 2403	MAS 24	7901 9317	MAS 18
TAB 118	LASX 36	7216 2404	MAS 23	7970 5021	J 42
TAB 119	LASX 31	7216 3201	MAS 13	7970 7451	J 42
TAB 124	LASX 43-44	7236 3202	MAS 14	80 5581	JS 5
TAB 125	LASX 15-27	7236 3203	MAS 15	80 9775	JS 6
TAB 128	LASX 5-6	7236 3204	MAS 16	8322 0401	JS 33
TAB 131	LASX 87-77-78	7236 3205	MAS 15	8322 0411	JS 34
		7236 3206	MAS 16	8322 1191	JS 35
		7236 3207	MAS 15	8322 1201	JS 36
		7237 0901	BS 12	8322 1681	JS 37
		7237 0902	BS 12	8322 2631	JS 33
		7238 3701	MAS 17	8322 2651	JS 34
		7238 3702	MAS 18	8322 4481	JS 38
		7238 3703	MAS 19	8322 4621	JS 42
		7238 3704	MAS 20	8322 5264	JS 39
		7238 3705	MAS 19	8322 5265	JS 40
		7238 3706	MAS 20	8322 5266	JS 41
		7435 0331	BS 36	8322 6189	JS 38
		7437 1190	BS 12	8322 6919	JS 53
		7437 1200	BS 12	8322 6920	JS 54
		7437 1260	BS 43	8322 6921	JS 58
		7440 1590	BS 52/74	8322 7258	JS 33
		7470 2610	JS 9	8322 7362	JS 51/62
		7471 3201	JS 6	8322 7364	JS 52/61
		7473 4101	JS 15	8322 7470	JS 59
		7483 8701	JS 18	8322 7490	JS 40
		7484 6001	JS 19	8322 7491	JS 39
MAGNETI MARELLI	MEGA				
400 5010	JS 9				
404 2681	J 16				
404 5771	JS 13				
404 8287	JS 6				
407 3386	JS 15				
411 4432	JS 16				
417 4892	JS 18				
418 5547	JS 19				
419 0088	J 30				
419 0090	J 31/35				
425 5496	JS 16				
425 9228	JS 5				
427 8940	J 30				
427 8941	J 31/35				
429 7856	J 30				
447 5148	JS 13				
447 5184	JS 13				



ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST

KÖMÜRLER / BRUSHES

VALEO	MEGA	IKA	MEGA	IKA	MEGA
300 687	PSX 130	0 0018 0	B 185	0 0133 0	BS 163 / 167
300 706	PSX 133	0 0019 0	B 147	0 0134 0	BS 164 / 168
300 722	PX 60	0 0020 0	B 192	0 0135 0	BS 165
300 796	SVX 7	0 0025 0	B 201	0 0136 0	BS 201
300 821	SVX 7	0 0026 0	B 202	0 0140 0	BS 166
583 041	USX 91-92	0 0028 0	B 204	0 0142 0	BS 182
594 060	PSX 148-149/0	0 0032 0	B 199	0 0143 0	BS 183
594 062	PSX 148-149/0	0 0035 0	B 209	0 0144 0	BS 184
594 063	PSX 148-149/0	0 0036 0	B 214	0 0145 0	BS 185
594 064	PSX 146-147/0	0 0038 0	B 215	0 0147 0	BS 190
594 065	PSX 129	0 0051 0	BS 12	0 0148 0	BS 191
594 066	PSX 133	0 0053 0	BS 33	0 0150 0	BS 196
606 384	USX 73-85	0 0054 0	BS 34	0 0151 0	BS 170
608 267	UX 79-80	0 0055 0	BS 35	0 0152 0	BS 171
608 272	UX 79-80	0 0056 0	BS 36	0 0153 0	BS 172
609 592	USX 73-85	0 0057 0	BS 39	0 0154 0	BS 173
609 778	USX 73-85	0 0058 0	BS 43	0 0155 0	BS 175
618 481	USX 60-59	0 0065 0	BS 70	0 0156 0	BS 176
618 491	USX 73-85	0 0068 0	BS 52 / 74	0 0157 0	BS 177
618 570	USX 60-59	0 0069 0	BS 75	0 0158 0	BS 178
72 592	PSX 115-116	0 0078 0	BS 100	0 0159 0	BS 179
72 617	PSX 115-116	0 0080 0	BS 102	0 0178 0	BS 192
72 619	PSX 115-116	0 0087 0	BS 67	0 0179 0	BS 193
72 630	PSX 83-84	0 0091 0	BS 202	0 0180 0	BS 180
72 631	PSX 81-82	0 0093 0	BS 203	0 0181 0	BS 181
72 734	PSX 115-116	0 0096 0	BS 213	0 0182 0	BS 198
73 829	PSX 115-116	0 0099 0	BS 134	0 0183 0	BS 199
75 217	USX 44-21	0 0100 0	BS 135	0 0184 0	BS 194
75 238	USX 60-59	0 0102 0	BS 137	0 0185 0	BS 195
75 411	PX 52-54	0 0104 0	BS 139	0 0194 0	BS 204
75 707	PSX 132	0 0105 0	BS 140	0 0209 0	BS 205
78 865	PSX 83-84	0 0108 0	BS 143	0 0210 0	BS 49
78 900	PSX 112	0 0109 0	BS 144	0 0232 0	R 419
92 435	PSX 115-116	0 0110 0	BS 145	0 0234 0	R 420
92 655	PSX 115-116	0 0111 0	BS 146	0 0235 0	R 457
92 878	PSX 129	0 0112 0	BS 147	0 0236 0	R 458
92 883	PSX 130	0 0113 0	BS 148	0 0300 0	J 16
92 914	PSX 133	0 0114 0	BS 149 / 154 / 156	0 0309 0	J 30
92 925	PSX 132	0 0117 0	BS 151	0 0310 0	J 31/35
		0 0122 0	BS 59	0 0317 0	J 42
		0 0125 0	BS 152	0 0318 0	J 43
		0 0126 0	BS 151/0	0 0321 0	JS 5
		0 0127 0	BS 157	0 0323 0	JS 9
		0 0128 0	BS 158	0 0325 0	JS 13
		0 0129 0	BS 159	0 0326 0	JS 15
		0 0130 0	BS 160	0 0327 0	JS 16
		0 0131 0	BS 197	0 0328 0	JS 18
		0 0132 0	BS 200	0 0329 0	JS 19
IKA	MEGA				
0 0002 0	B 68				
0 0003 0	B 104				
0 0009 0	B 169 / 131 / 145				
0 0011 0	B 151				
0 0013 0	B 175 / 203				
0 0014 0	B 182				

ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST



KÖMÜRLER / BRUSHES

İKA	MEGA	İKA	MEGA	İKA	MEGA
0 0330 0	JS 21	0 0906 0	JAA 24	0 1040 1	BX 131
0 0331 0	JS 22 / 26	0 0907 0	JAA 25	0 1044 1	BX 151
0 0336 0	JS 25 / 27	0 0912 0	JAA 34	0 1048 1	BX 169
0 0341 0	JS 29 / 30	0 0914 0	JAA 33	0 1052 1	BX 185
0 0345 0	JS 31	0 0915 0	JAA 35	0 1060 1	BX 201
0 0346 0	JS 32	0 0916 0	JAA 31	0 1061 1	BX 202
0 0347 0	JS 63	0 0919 0	JAA 36	0 1062 1	BX 204
0 0348 0	JS 33	0 0921 0	JAA 38	0 1065 1	BX 213
0 0349 0	JS 34	0 0924 0	JAS 49	0 1066 1	BX 209
0 0350 0	JS 59	0 0925 0	JAS 61	0 1067 1	BX 214
0 0354 0	JS 36	0 0933 0	JAS 52	0 1068 1	BX 215
0 0355 0	JS 37	0 0937 0	JAS 39 C	0 1071 1	BX 145
0 0356 0	JS 35	0 0939 0	JAS 39	0 1081 1	BX 199
0 0357 0	JS 38	0 0944 0	JAS 22	0 1082 1	BX 219
0 0358 0	JS 39	0 0949 0	JAS 29	0 1086 1	BX 203
0 0359 0	JS 40	0 0953 0	JAS 40	0 1099 1	BSX 36
0 0360 0	JS 41	0 0954 0	JAS 41	0 1100 1	BSX 12
0 0361 0	JS 42	0 0955 0	JAS 42	0 1102 1	BSX 33
0 0369 0	JS 58	0 0957 0	JAS 43	0 1103 1	BSX 34
0 0370 0	JS 51 / 62	0 0960 0	JAS 57	0 1104 1	BSX 35
0 0371 0	JS 52 / 61	0 0961 0	JAS 58	0 1105 1	BSX 39
0 0372 0	JS 53	0 0964 0	JAS 71	0 1106 1	BSX 43
0 0373 0	JS 54	0 0966 0	JAS 63	0 1121 1	BSX 70
0 0437 0	F 77	0 0969 0	JAS 66	0 1123 1	BSX 74
0 0440 0	F 74	0 0970 0	JAS 67	0 1124 1	BSX 75
0 0441 0	F 75	0 0971 0	JAS 72	0 1125 1	BSX 76
0 0442 0	F 76	0 0972 0	JAS 69	0 1127 1	BSX 85
0 0496 0	MAS 14	0 0973 0	JAS 70	0 1132 1	BSX 96
0 0497 0	MAS 13	0 0974 0	JAS 74	0 1136 1	BSX 100
0 0498 0	MAS 15	0 0975 0	JAS 75	0 1138 1	BSX 102
0 0499 0	MAS 16	0 0977 0	JAS 36	0 1147 1	BSX 134-144
0 0503 0	MAS 21	0 0978 0	JAS 37	0 1148 1	BSX 135-145
0 0504 0	MAS 22	0 0980 0	JAS 80	0 1149 1	BSX 137-143
0 0505 0	MAS 17	0 0981 0	JAS 81	0 1151 1	BSX 139
0 0506 0	MAS 18	0 0982 0	JAS 82	0 1152 1	BSX 140
0 0507 0	MAS 19	0 0983 0	JAS 83	0 1154 1	BSX 146
0 0508 0	MAS 20	0 0984 0	JAS 84	0 1155 1	BSX 147
0 0509 0	MAS 23	0 0985 0	JAS 85	0 1156 1	BSX 148
0 0510 0	MAS 24	0 0986 0	JAS 77	0 1157 1	BSX 149
0 0511 0	MAS 25	0 0991 0	JAS 88	0 1158 1	BSX 151
0 0512 0	MAS 26	0 0992 0	JAS 92	0 1162 1	BSX 152
0 0513 0	MAS 27	0 0993 0	JAS 93	0 1163 1	BSX 156
0 0514 0	MAS 28	0 0994 0	JAS 94	0 1165 1	BSX 157-158
0 0889 0	JAS 89	0 0995 0	JAS 95	0 1166 1	BSX 159-160
0 0895 0	JAS 54	0 0997 0	JAS 98	0 1168 1	BSX 163-164
0 0896 0	JAS 55	0 0998 0	JAS 99	0 1169 1	BSX 165
0 0900 0	JAA 9	0 1034 1	BX 68	0 1170 1	BSX 197
0 0902 0	JAA 16	0 1035 1	BX 104	0 1171 1	BSX 170-171



ÇAPRAZ KARŞILAŞTIRMA LİSTESİ / CROSS REFERENCE LIST

KÖMÜRLER / BRUSHES

İKA	MEGA	İKA	MEGA	İKA	MEGA
0 1172 1	BSX 172-173	0 1471 1	JSX 33-34	0 1779 1	PSX 142-143
0 1173 1	BSX 166	0 1472 1	JSX 35-36	0 1781 1	SVX 7
0 1174 1	BSX 177	0 1473 1	JSX 35-37	0 1784 1	PSX 146-147/0
0 1175 1	BSX 175-176	0 1474 1	JSX 38-39-40	0 1800 1	HPIX 1
0 1176 1	BSX 178-179	0 1475 1	JSX 38-41	0 1802 1	HPIX 3
0 1177 1	BSX 180-181	0 1550 1	LAX 9	0 1803 1	HPIX 4
0 1183 1	BSX 190-191	0 1553 1	LAX 23	0 1900 1	JAAX 9
0 1184 1	BSX 192-193	0 1558 1	LAX 29	0 1901 1	JAAX 12
0 1186 1	BSX 194-195	0 1561 1	LAX 31-32	0 1902 1	JAAX 16
0 1187 1	BSX 196	0 1569 1	LAX 80-81	0 1905 1	JAAX 20
0 1250 1	RX 120	0 1570 1	LAX 82	0 1906 1	JAAX 19
0 1251 1	RX 120	0 1603 1	LASX 76	0 1909 1	JAAX 31
0 1252 1	RX 911	0 1604 1	LASX 5-6	0 1910 1	JAAX 24
0 1254 1	RX 419-420	0 1608 1	LASX 15-16	0 1911 1	JAAX 25
0 1255 1	RX 457-458	0 1609 1	LASX 15-27	0 1912 1	JAAX 32
0 1256 1	RX 122 H	0 1612 1	LASX 46-47-48	0 1913 1	JAAX 33
0 1257 1	RX 124 H	0 1613 1	LASX 30-31-32	0 1914 1	JAAX 34
0 1266 1	RX 103	0 1614 1	LASX 31	0 1915 1	JAAX 35
0 1267 1	RX 103 F	0 1615 1	LASX 36	0 1916 1	JAAX 36
0 1269 1	RX 106	0 1617 1	LASX 40-41	0 1918 1	JAAX 37
0 1280 1	RX 122	0 1618 1	LASX 42	0 1919 1	JAAX 38
0 1281 1	RX 124	0 1621 1	LASX 73-41	0 1937 1	JASX 36-37
0 1282 1	RX 134	0 1623 1	LASX 86-79-80	0 1938 1	JASX 39
0 1283 1	RX 135	0 1624 1	LASX 87-77-78	0 1939 1	JASX 39 C
0 1284 1	RX 60	0 1628 1	LASX 43-44	0 1941 1	JASX 44-28
0 1285 1	RX 70	0 1663 1	MASX 13-14	0 1945 1	JASX 22
0 1287 1	RX 87	0 1664 1	MASX 15-16	0 1948 1	JASX 49-61
0 1294 1	RX 120/0	0 1665 1	MASX 17-18	0 1949 1	JASX 29
0 1295 1	RX 120/0	0 1666 1	MASX 19-20	0 1953 1	JASX 40-41
0 1296 1	RX 92	0 1668 1	MASX 21-22	0 1954 1	JASX 42-43
0 1321 1	UX 79-80	0 1669 1	MASX 23-24	0 1960 1	JASX 57-58
0 1351 1	USX 44-21	0 1670 1	MASX 25-26	0 1962 1	JASX 52
0 1355 1	USX 60-59	0 1671 1	MASX 27-28	0 1964 1	JASX 54-55
0 1361 1	USX 73-85	0 1688 1	PLX 5	0 1966 1	JASX 63
0 1367 1	USX 91-92	0 1690 1	PLSX 3	0 1967 1	JASX 70
0 1405 1	JX 16	0 1712 1	PX 52-54	0 1969 1	JASX 66-67
0 1415 1	JX 30-31	0 1719 1	PX 60	0 1971 1	JASX 69-70
0 1433 1	JX 42	0 1746 1	PSX 81-82	0 1972 1	JASX 71-72
0 1434 1	JX 43	0 1750 1	PSX 83-84	0 1973 1	JASX 71
0 1451 1	JSX 5	0 1755 1	PSX 112	0 1974 1	JASX 74-75
0 1454 1	JSX 9	0 1757 1	PSX 115-116	0 1975 1	JASX 74
0 1457 1	JSX 13	0 1766 1	PSX 129	0 1977 1	JASX 77-78
0 1458 1	JSX 15	0 1767 1	PSX 130	0 1982 1	JASX 80-81
0 1459 1	JSX 16	0 1769 1	PSX 132	0 1983 1	JASX 82-83
0 1461 1	JSX 18	0 1770 1	PSX 133	0 1984 1	JASX 84
0 1462 1	JSX 19	0 1774 1	PSX 148-149/0	0 1985 1	JASX 85
0 1464 1	JSX 21-22	0 1775 1	PSX 138-139	0 1988 1	JASX 88
0 1470 1	JSX 31-32	0 1776 1	PSX 140-141	0 1991 1	JASX 89



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