

Četkice za motorna vozila
Brushes for motor vehicles

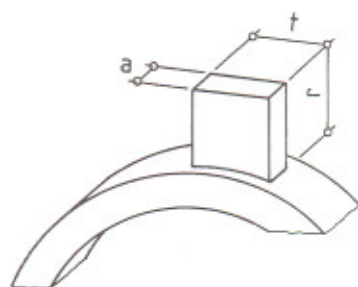
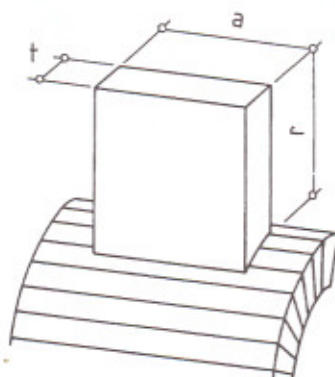


TVORNICA UGLJENOGRAFITNIH I ELEKTROKONTAKTNIH PROIZVODA
THE FACTORY OF CARBON GRAPHITE AND ELECTRO-CONTACT PRODUCTS

	Strana Page	Set četkica Brush set		Četkica Single brush	
		Dynamo Alternator	Pokretač Starter	Dynamo Alternator	Pokretač Starter
Auto-Lite	3	EX	EX	E	E
Bosch	5	BX	BSX	B	BS
C.A.V.	18	AX	ASX	A	AS
Chrysler	20	CHX	CHX	CH	CH
Delco-Remy	22	DX, RX	RX	D, R	R
Ducellier	25	UX	USX	U	US
Femsa	31	FEX	FESX	FE	FES
Fiat	35	JX	JSX	J	JS
Ford (USA)	40	FX	FX	F	F
Ford (GB)	42	FX	FX	F	F
Iskra	43	-	IKSX	-	IKS
Lucas	44	LAX	LASX	LA	LAS
Marelli	49	MAX	MASX	MA	MAS
Moskwitsch	52	MOX	MOSX	MO	MOS
Noris	54	NOX	-	NO	-
Pal	55	PLX	PLSX	PL	PLS
Paris-Rhone	57	PX	PSX	P	PS
S.E.V.	65	SVX	-	SV	-
JAPANESE VEHICLES					
Honda	69	FKX	FKSX	FK	FKS
Isuzu	70	FIX	FISX	FI	FIS
Mazda	71	FMX	FMSX	FM	FMS
Mitsubishi	72	FJX	FJSX	FJ	FJS
Nissan (Datsun)	73	FNX	FNSX	FN	FNS
Toyota	74	FTX	FTSX	FT	FTS

OZNAČAVANJE MJERA ČETKICA - BRUSH DIMENSIONS DESIGNATION

$\frac{t \times a \times r}{10 \times 20 \times 20 \text{ mm}}$



EX 45

2 - E 45

IB 1006479

EX 57

2 - E 57

IB 1006481

EX 59

2 - E 59

IB 1006482

EX 61

2 - E 61

IB 1006483

EX 62

2 - E 62

IB 1006484

EX 73

2 - E 73

IB 1006485

EX 74

2 - E 74

IB 1006486

EX 87

2 - E 87

IB 1006487

EX 87 R

(CHX 1)

2 - E 87 R (CH1)

IB 1006488

EX 91

(EX 91 - 92 L)

1 - E 91

1 - E 92 L

IB 1006489

EX 92

(EX 91 - 92)

1 - E 91

1 - E 92

IB 1006490

EX 93

(EX 92 - 93)

1 - E 92

1 - E 93

IB 1006491

EX 94

(EX 91 - 93 L)

1 - E 91

1 - E 93 L

IB 1006492

EX 95

(EX 93 - 93 L)

1 - E 93

1 - E 93 L

IB 1006493

EX 119

2 - E 119

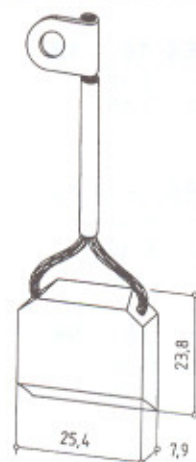
IB 1017098



E 45



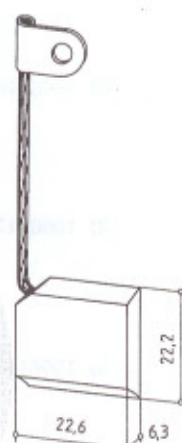
E 57



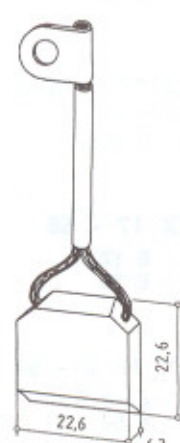
E 59



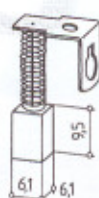
E 61, E 74



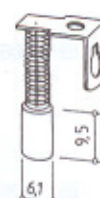
E 62



E 73



E 87



E 87 R



E 91



E 92, E 92 L



E 93, E 93 L



E 119

EX 16 - 18

2 - E 16
2 - E 18

IB 1006112

EX 16 - 18 S

2 - E 16
2 - E 18 S

IB 1006113

EX 16 - 56

2 - E 16
2 - E 56

IB 1006114

EX 17 - 18

2 - E 17
2 - E 18

IB 1006115

EX 17 - 18 S

2 - E 17
2 - E 18 S

IB 1006116

EX 17 - 56

2 - E 17
2 - E 56

IB 1006117

EX 18 S - 54

2 - E 18 S
1 - E 54

IB 1006118

EX 75

4 - E 75

IB 1006119

EX 76

4 - E 76

IB 1006120

EX 76 - 80

2 - E 76
2 - E 80

IB 1006121

EX 85 (EX 85 - 86)

2 - E 85
1 - E 86

IB 1006122

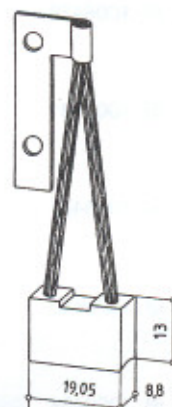
EX 89 - 90 (CHX 2)

1 - E 89 (CH 2)
1 - E 90 (CH 3)

IB 1006123



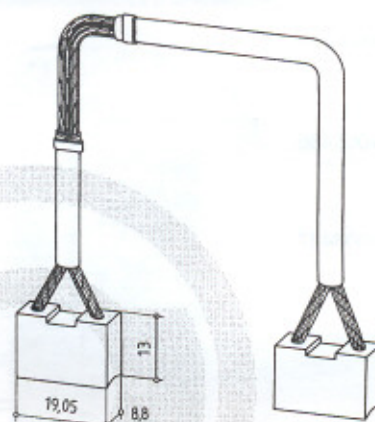
E 16, E 17



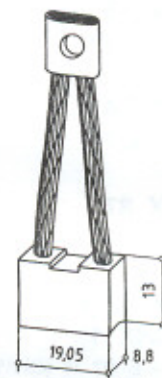
E 18



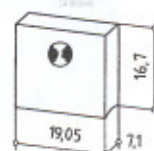
E 18 S



E 54



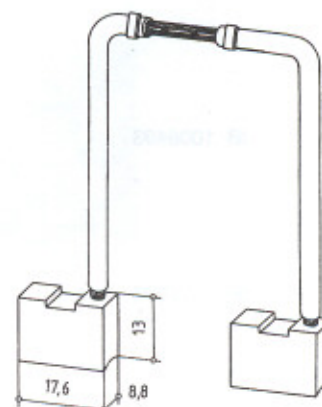
E 56, E 75



E 76, E 80



E 85

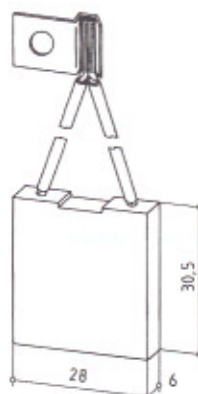


E 86, E 89, E 90

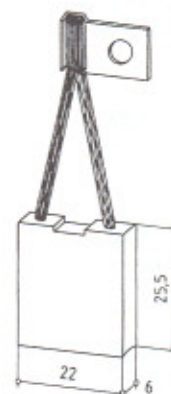
BX 13 2 - B 13	IB 1006494	12 V
BX 19 2 - B 19	IB 1006495	6 V
BX 59 = BX 145		
BX 65 4 - B 65	IB 1006496	24 V
BX 67 (2) = BX 104 (2)		
BX 67 (4) = BX 104 (4)		
BX 67 - 104 (2) = BX 104 (2)		
BX 67 - 104 (4) = BX 104 (4)		
BX 68 4 - B 68	IB 1006497	12/24 V
BX 104 (2) 2 - B 104	IB 1006498	12 V
BX 104 (4) 4 - B 104	IB 1006499	12 V
BX 109 (2) = BX 192 (2)		
BX 109 (4) = BX 192 (4)		
BX 114 4 - B 114	IB 1006500	12 V
BX 117 4 - B 117	IB 1006501	12 V
BX 121 4 - B 121	IB 1006502	24 V
BX 128 2 - B 128	IB 1006503	6 V



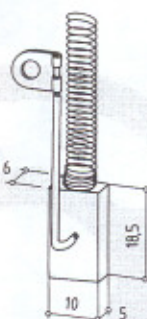
B 13, B 19



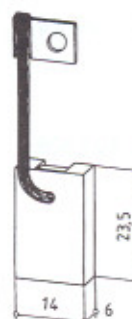
B 65, B 68, B 121



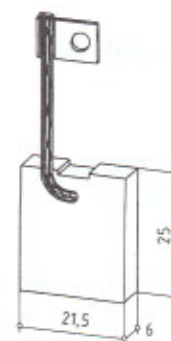
B 104



B 114

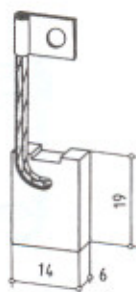


B 117

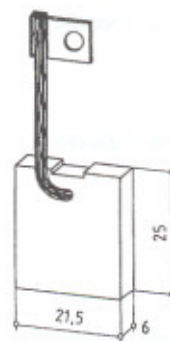


B 128

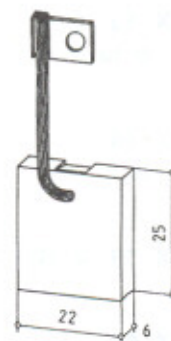
BX 131 2 - B 131	IB 1004114	6 V
BX 132 2 - B 132	IB 1006504	12 V
BX 135 2 - B 135	IB 1006505	12 V
BX 136 2 - B 136	IB 1006506	6 V
BX 137 2 - B 137	IB 1006507	24 V
BX 140 (2) 2 - B 140	IB 1006508	24 V
BX 140 (4) 4 - B 140	IB 1006509	24 V
BX 142 = BX 192 (4)		
BX 144 (2) = BX 140 (2)		
BX 144 (4) = BX 140 (4)		
BX 145 2 - B 145	IB 1006510	6/12 V
BX 147 4 - B 147	IB 1006511	12 V
BX 150 = BX 131		
BX 151 2 - B 151	IB 1006525	12 V
BX 152 2 - B 152	IB 1006526	24 V
BX 153 = BX 131		



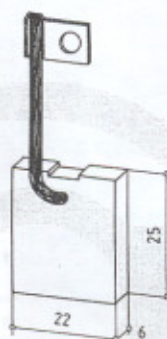
B 131, B 145



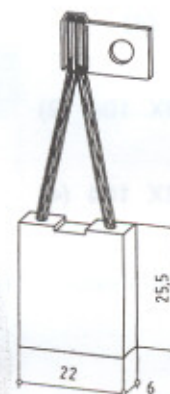
B 132



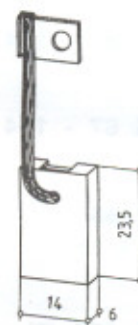
B 135, B 137



B 136



B 140



B 147

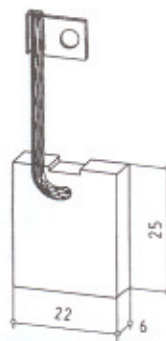


B 151



B 152

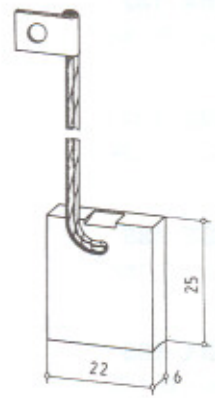
BX 154 2 - B 154	IB 1006512	12 V
BX 155 = BX 181		
BX 157 2 - B 157	IB 1006513	12 V
BX 159 = BX 192 (4)		
BX 162 = BX 182		
BX 163 = BX 165		
BX 164 2 - B 164	IB 1006514	6 V
BX 165 2 - B 165	IB 1006515	12 V
BX 166 = BX 169		
BX 167 2 - B 167	IB 1006516	6/12 V
BX 168 2 - B 168	IB 1006527	12/24 V
BX 169 2 - B 169	IB 1006517	12 V
BX 170 2 - B 170	IB 1006528	12/24 V
BX 175 2 - B 175	IB 1006529	24 V
BX 178 4 - B 178	IB 1006518	12 V
BX 181 2 - B 181	IB 1006519	12 V



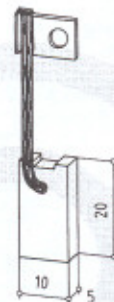
B 154



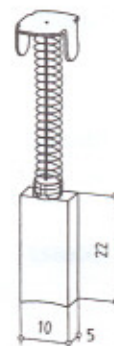
B 157



B 164, B 165



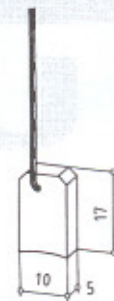
B 167



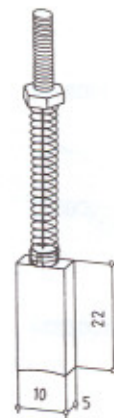
B 168



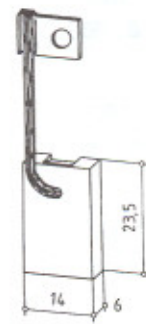
B 169



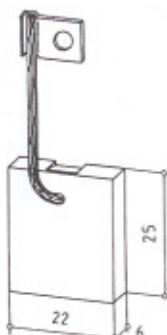
B 170



B 175



B 178



B 181

BX 182 IB 1006530 12 V

2 - B 182

BX 184 IB 1006531 24 V

2 - B 184

BX 185 IB 1003933 12 V

2 - B 185

BX 186 IB 1006520

2 - B 186

BX 187 = BX 181

BX 188 IB 1006521

4 - B 188

BX 190 IB 1006532

2 - B 190

BX 192 (2) IB 1006522 12/24 V

2 - B 192

BX 192 (4) IB 1006523 12/24 V

4 - B 192

BX 193 IB 1006524

2 - B 193

BX 195 IB 1006533

2 - B 195

BX 198 IB 1006534 12/24 V

2 - B 198

BX 199 IB 1006535 12 V

2 - B 199

BX 201 IB 1006536

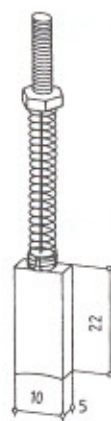
2 - B 201

BX 202 IB 1006537 24 V

2 - B 202



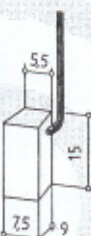
B 182, B 190, B 198



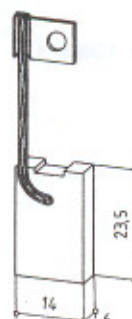
B 184



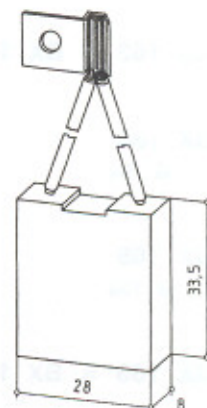
B 185



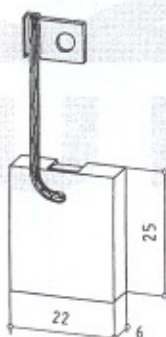
B 186



B 188



B 192



B 193



B 195



B 199



B 201

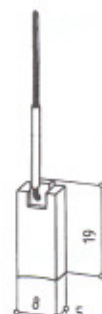


B 202

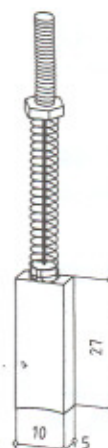
BX 203 2 - B 203	IB 1006538	24 V
BX 204 2 - B 204	IB 1006539	
BX 205 = BX 214		
BX 206 2 - B 206	IB 1006540	
BX 207 = BX 190		
BX 209 2 - B 209	IB 1006541	12 V
BX 210 2 - B 210	IB 1006542	12 V
BX 211 = BX 204		
BX 212 = BX 204		
BX 213 2 - B 213	IB 1017246	12 V
BX 214 2 - B 214	IB 1006543	12 V
BX 215 2 - B 215	IB 1017101	12 V
BX 216 = BX 206		
BX 217 = BX 204		
BX 218 = BX 215		
BX 219 2 - B 219	IB 1017105	12 V



B 203



B 204



B 206



B 209



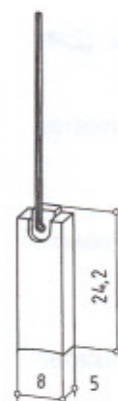
B 210



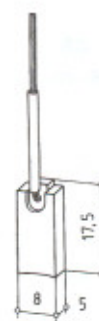
B 213



B 214

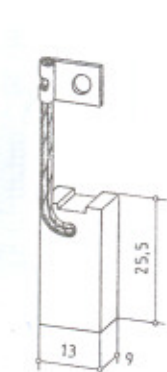


B 215

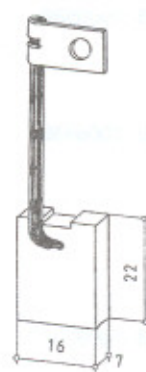


B 219

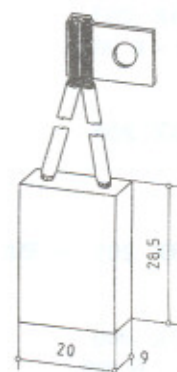
BSX 12 4 - BS 12	IB 1003931	6/12 V
BSX 29 2 - BS 29	IB 1006781	6/12 V
BSX 33 4 - BS 33	IB 1006107	12 V
BSX 34 4 - BS 34	IB 1004467	24 V
BSX 35 4 - BS 35	IB 1006108	12 V
BSX 36 = BSX 60		
BSX 39 4 - BS 39	IB 1004468	24 V
BSX 42 = BSX 91		
BSX 43 4 - BS 43	IB 1004469	6/12 V
BSX 44 4 - BS 44	IB 1004470	12 V
BSX 47 (2/4) = BSX 82 (2/4)		
BSX 48 4 - BS 48	IB 1006109	12 V
BSX 49 4 - BS 49	IB 1004471	6 V
BSX 51 2 - BS 51	IB 1006782	6 V
BSX 52 4 - BS 52	IB 1004472	6/12 V
BSX 53 2 - BS 53	IB 1004473	12 V



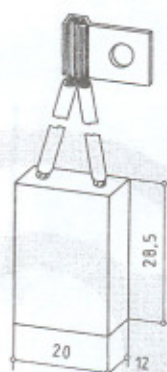
BS 12, BS 39



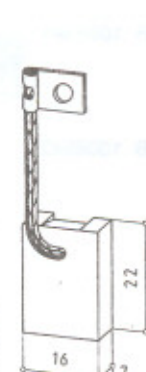
BS 29



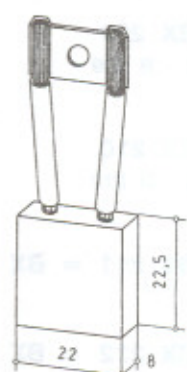
BS 33, BS 34



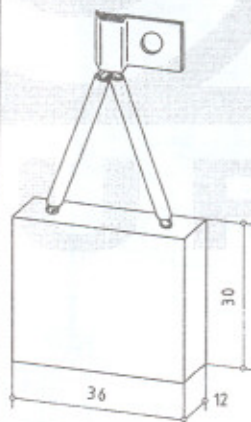
BS 35



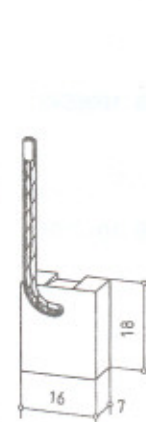
BS 43



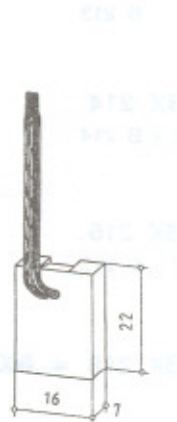
BS 44



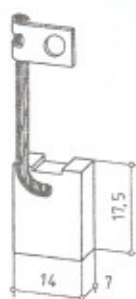
BS 48



BS 49, BS 53



BS 51



BS 52

BSX 54 (2/4) = BSX 104 (2/4)

BSX 55 - 57

IB 1004474

12 V

2 - BS 55
2 - BS 57

BSX 56 = BSX 60

BSX 58 = BSX 12

BSX 59 (2)

IB 1003932

12 V

2 - BS 59

BSX 59 (4)

IB 1004475

12 V

4 - BS 59

BSX 60

IB 1004476

24 V

4 - BS 60

BSX 61 (2)

IB 1004477

6 V

2 - BS 61

BSX 61 (4)

IB 1004478

6 V

4 - BS 61

BSX 62

IB 1006110

12 V

4 - BS 62

BSX 64 = BSX 35

BSX 66 = BSX 73

BSX 67

IB 1006111

24 V

4 - BS 67

BSX 68 = BSX 103

BSX 69

IB 1004479

12 V

4 - BS 69

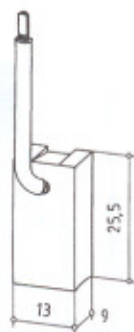
BSX 70

IB 1004480

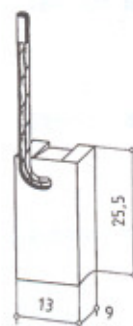
12 V

4 - BS 70

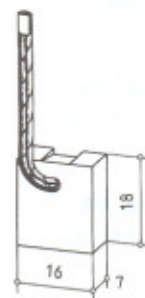
BSX 71 = BSX 102



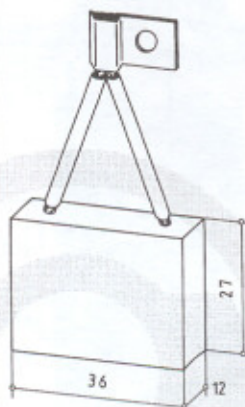
BS 55



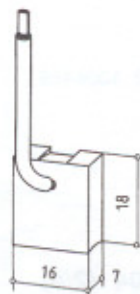
BS 57



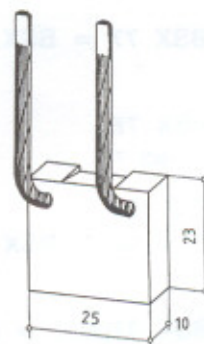
BS 59



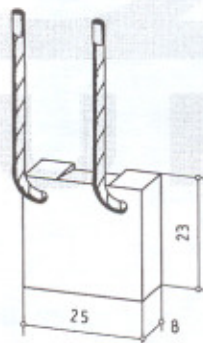
BS 60



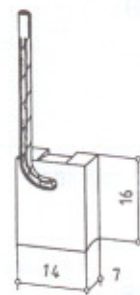
BS 61, BS 69



BS 62



BS 67



BS 70

BSX 72 IB 1004481 24 V

4 - BS 72

BSX 73 IB 1004482 24 V

4 - BS 73

BSX 74 IB 1004483 12 V

4 - BS 74

BSX 75 IB 1004200 12 V

4 - BS 75

BSX 76 IB 1004484 12 V

4 - BS 76

BSX 77 = BSX 75

BSX 78 IB 1004485 12 V

4 - BS 78

BSX 80 = BSX 75

BSX 81(2/4) = BSX 104 (2/4)

BSX 82 IB 1004486 24 V

4 - BS 82

BSX 83 = BSX 105 (4)

BSX 84 = BSX 96

BSX 85 IB 1004487 24 V

4 - BS 85

BSX 86 - 87 = BSX 96

BSX 88 IB 1004488 12 V

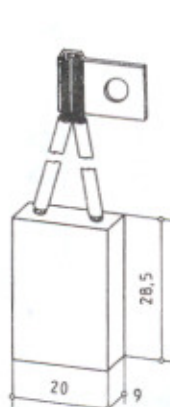
4 - BS 88

BSX 91 IB 1004489 24 V

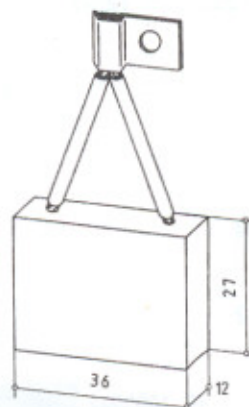
12 - BS 91

BSX 92 IB 1006783 12 V

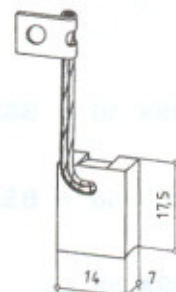
4 - BS 92



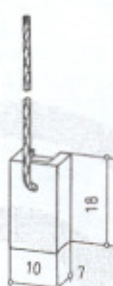
BS 72



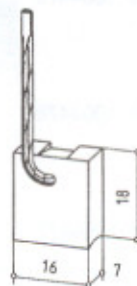
BS 73



BS 74



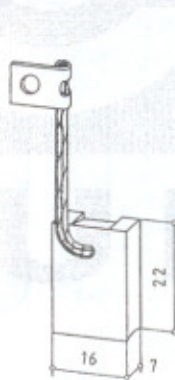
BS 75



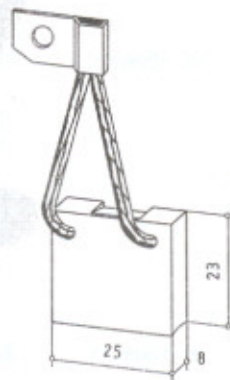
BS 76



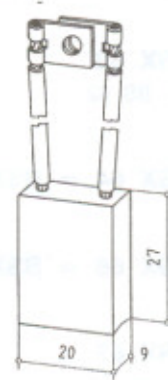
BS 78



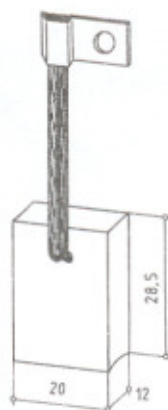
BS 82, BS 88



BS 85



BS 91



BS 92

BSX 93 IB 1004490 24 V

4 - BS 93

BSX 94 IB 1004491

6 - BS 94

BSX 95 = BSX 44

BSX 96 IB 1004492 12 V

4 - BS 96

BSX 97 IB 1004493 12 V

4 - BS 97

BSX 98 IB 1004494 12 V

4 - BS 98

BSX 99 IB 1004495 24 V

4 - BS 99

BSX 100 IB 1004496 24 V

4 - BS 100

BSX 101 IB 1004497 12 V

4 - BS 101

BSX 102 IB 1004498 12 V

4 - BS 102

BSX 103 IB 1004499 24 V

8 - BS 103

BSX 104 IB 1004500 12 V

2 - BS 104

BSX 105 (2) IB 1004501

2 - BS 105

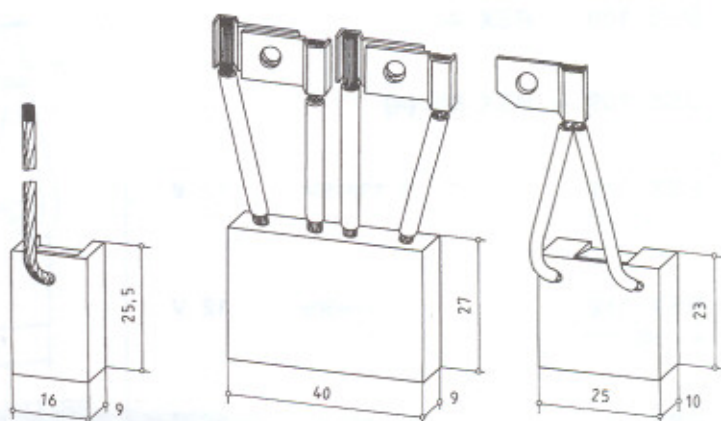
BSX 105 (4) IB 1004502

4 - BS 105

BSX 106 IB 1004503 12 V

4 - BS 106

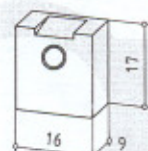
BSX 107 = BSX 94



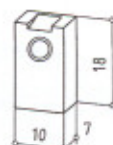
BS 93, BS 102

BS 94

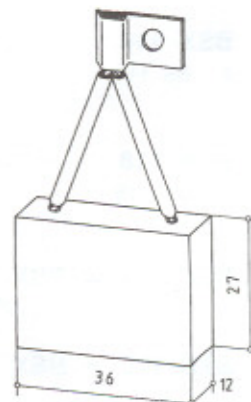
BS 96



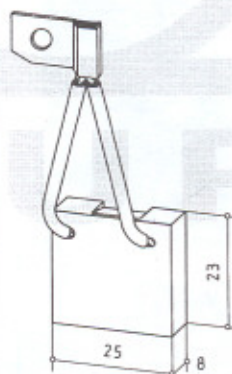
BS 97



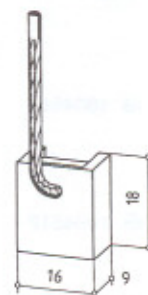
BS 98



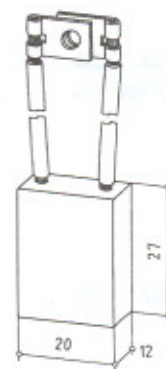
BS 99



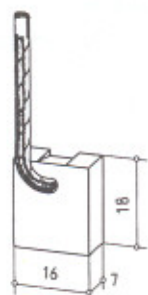
BS 100



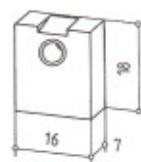
BS 101



BS 103



BS 104, BS 105



BS 106

BSX 108 = BSX 44

BSX 109 = BSX 59 (4)

BSX 111 IB 1004504 **12 V**
4 - BS 111

BSX 112 IB 1004505 **12 V**
4 - BS 112

BSX 113 IB 1004506 **24 V**
4 - BS 113

BSX 116 IB 1004507 **24 V**
4 - BS 116

BSX 118 IB 1004508 **12 V**
4 - BS 118

BSX 119 = BSX 131

BSX 120 = BSX 127

BSX 121 IB 1004509 **12 V**
4 - BS 121

BSX 124 IB 1004510 **12 V**
4 - BS 124

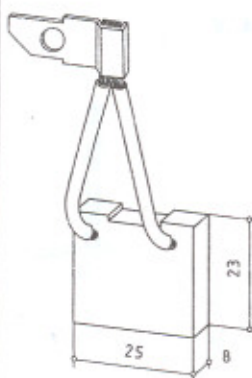
BSX 125 IB 1004511
4 - BS 125

BSX 126 IB 1004512 **12 V**
4 - BS 126

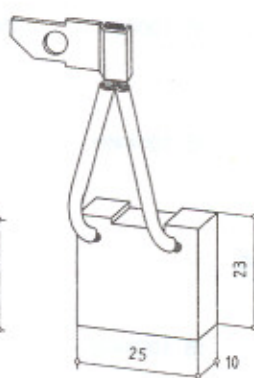
BSX 127 IB 1004513 **24 V**
4 - BS 127

BSX 128 IB 1004514 **12 V**
4 - BS 128

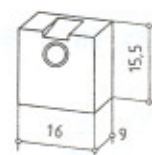
BSX 129 IB 1004515 **12 V**
4 - BS 129



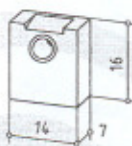
BS 111, BS 113



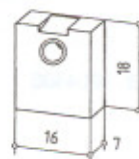
BS 112, BS 118



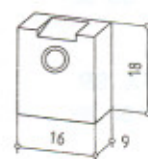
BS 116



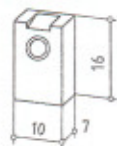
BS 121



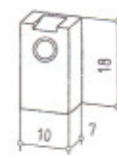
BS 124



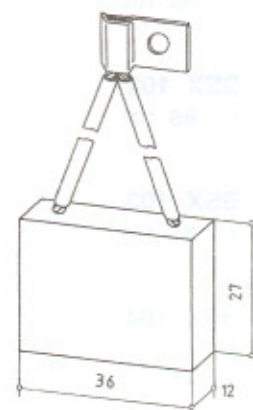
BS 125



BS 126



BS 127, BS 128



BS 129

BSX 130 IB 1004516 12 V

4 - BS 130

BSX 131 IB 1004517 24 V

4 - BS 131

BSX 132 IB 1004518 12 V

4 - BS 132

BSX 133 IB 1004519 24 V

4 - BS 133

BSX 134 - 144 IB 1004520 12 V

2 - BS 134

2 - BS 144

BSX 135 - 145 IB 1004521 24 V

2 - BS 135

2 - BS 145

BSX 136 IB 1004522 12 V

4 - BS 136

BSX 137 - 143 IB 1004523 12 V

2 - BS 137

2 - BS 143

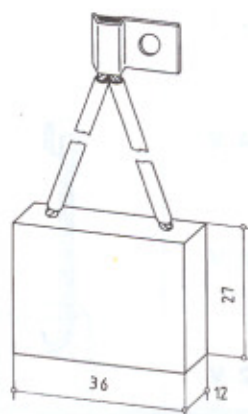
BSX 138 - 142 IB 1004524 24 V

2 - BS 138

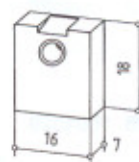
2 - BS 142

BSX 139 IB 1004525 12 V

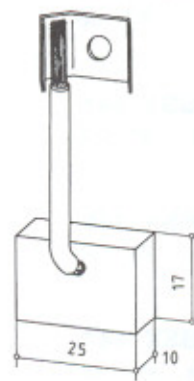
4 - BS 139



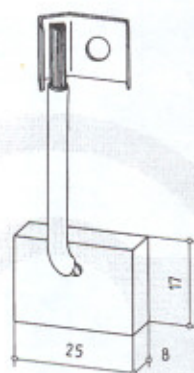
BS 130, BS 131



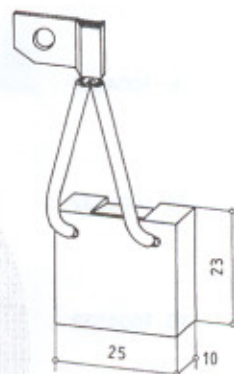
BS 132, BS 133



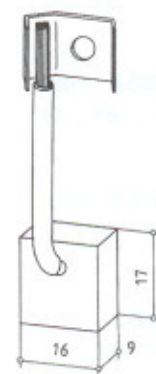
BS 134



BS 135



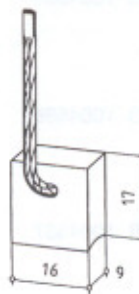
BS 136



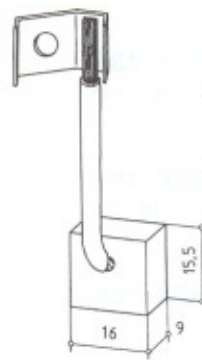
BS 137



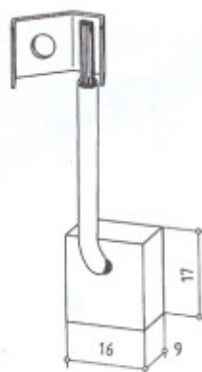
BS 138



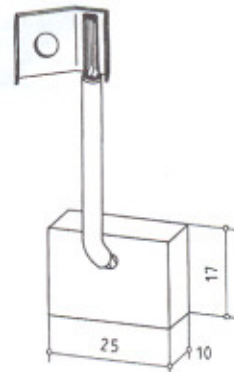
BS 139



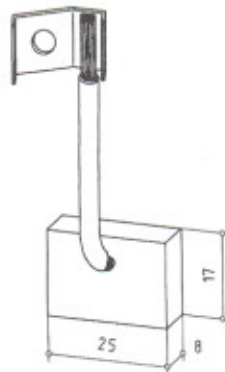
BS 142



BS 143



BS 144



BS 145

BSX 140

4 - BS 140

IB 1004526

12 V

BSX 141

6 - BS 141

IB 1004527

24 V

BSX 146

4 - BS 146

IB 1004528

12 V

BSX 147

4 - BS 147

IB 1004529

12 V

BSX 148

4 - BS 148

IB 1004530

24 V

BSX 149

4 - BS 149

IB 1004531

12 V

BSX 150

4 - BS 150

IB 1004532

12 V

BSX 151

4 - BS 151

IB 1004533

12 V

BSX 152

4 - BS 152

IB 1004534

12 V

BSX 153

4 - BS 153

IB 1004535

12 V

BSX 154

4 - BS 154

IB 1004536

12 V

BSX 155

4 - BS 155

IB 1004537

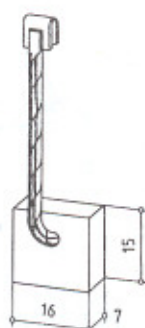
12 V

BSX 156

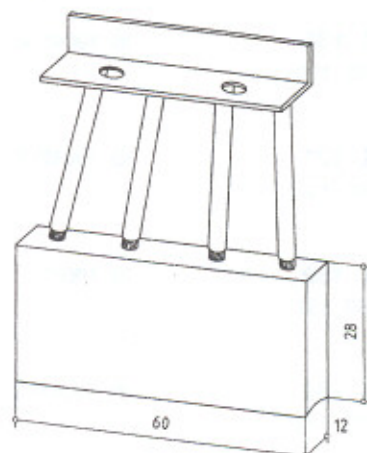
4 - BS 156

IB 1004538

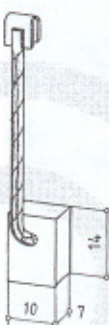
12 V



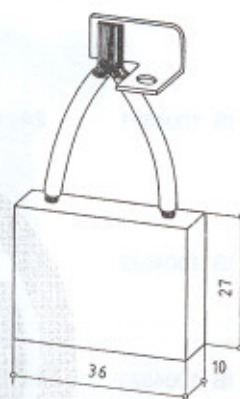
BS 140



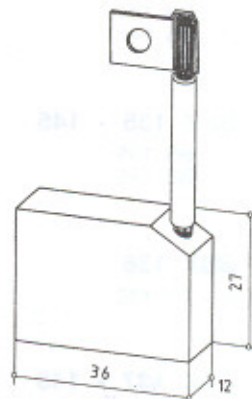
BS 141



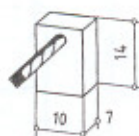
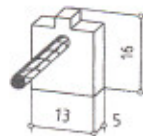
BS 146



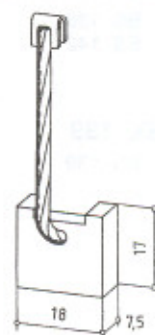
BS 147



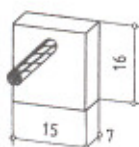
BS 148

BS 149, BS 154,
BS 156

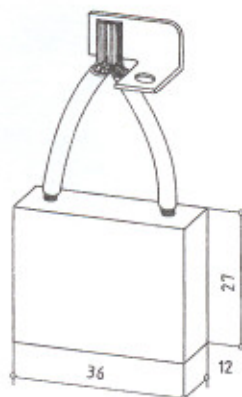
BS 150



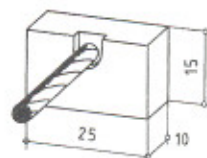
BS 151



BS 152



BS 153

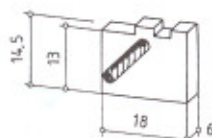


BS 155

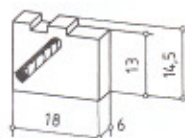
BSX 157 - 158

IB 1003937

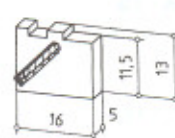
12 V

2 - BS 157
2 - BS 158

BS 157



BS 158

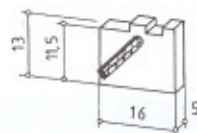


BS 159

BSX 159 - 160

IB 1004539

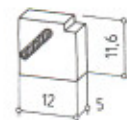
12 V

2 - BS 159
2 - BS 160

BS 160



BS 161



BS 162

BSX 161 - 162

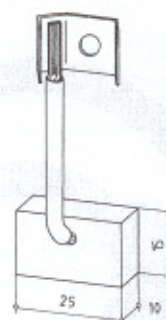
IB 1004540

12 V

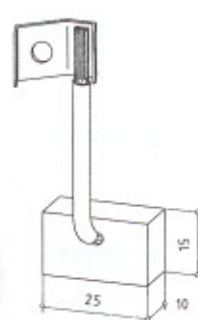
2 - BS 161
2 - BS 162**BSX 163 - 164**

IB 1017111

12 V

2 - BS 163
2 - BS 164

BS 163, BS 170



BS 164, BS 171



BS 165

BSX 165

IB 1017112

24 V

4 - BS 165

BSX 166

IB 1017108

12 V

4 - BS 166

BSX 169 = BSX 148**BSX 170 - 171**

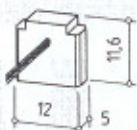
IB 1017110

24 V

2 - BS 170
2 - BS 171**BSX 174 = BSX 100****BSX 175 - 176**

IB 1017107

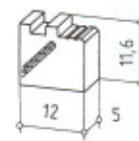
12 V

2 - BS 175
2 - BS 176

BS 166



BS 175



BS 176

AX 15

4 - A 15

IB 1006634

AX 16

8 - A 16

IB 1006635

AX 18

4 - A 18

IB 1006636

AX 19

4 - A 19

IB 1006637

AX 20 (2/4)

2/4 - A 20

IB 1006638

AX 23 (2/4)

2/4 A - 23

IB 1006639

AX 24 (2/4)

2/4 - A 24

IB 1006640

AX 25 (2/4)

2/4 - A 25

IB 1006641

AX 26

4 - A 26

IB 1006642

AX 27

2 - A 27

IB 1006643

AX 29

2 - A 29

IB 1006644

AX 30

2 - A 30

IB 1006544

AX 31

2 - A 31

IB 1006545

AX 32

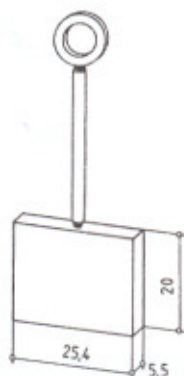
2 - A 32

IB 1006546

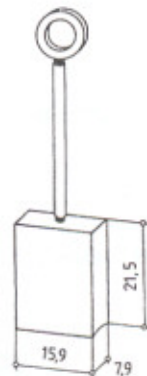
AX 33

2 - A 33

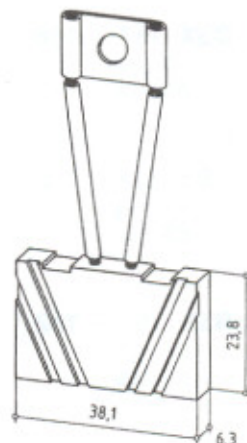
IB 1006547



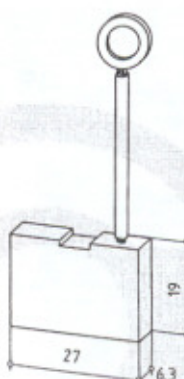
A 15, A 26



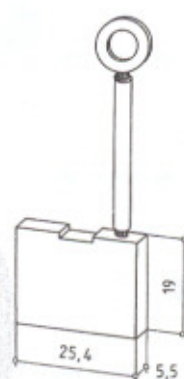
A 16



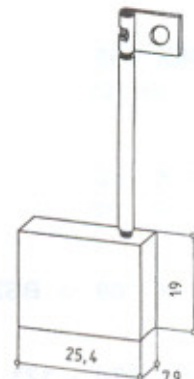
A 18



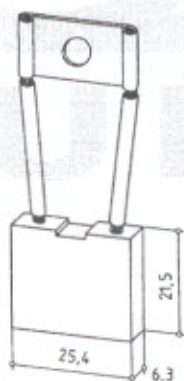
A 19, A 20



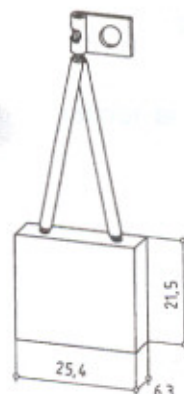
A 23, A 24



A 25



A 27



A 29



A 30



A 31



A 32



A 33

ASX 5-64 - AS 5
4 - AS 6

IB 1006124 24/32 V

ASX 7

4 - AS 7

IB 1003961 24/32 V

ASX 8

4 - AS 8

IB 1003960 12 V

ASX 9

4 - AS 9

IB 1004767 24 V

ASX 11

4 - AS 11

IB 1004768 12 V

ASX 12

12 - AS 12

IB 1004769 24 V

ASX 13

4 - AS 13

IB 1004770 12 V

ASX 14

4 - AS 14

IB 1004771 24 V

ASX 14/K

4 - AS 14/K

IB 1004772 24 V

ASX 16-174 - AS 16
4 - AS 17

IB 1006125 24/32 V

ASX 18

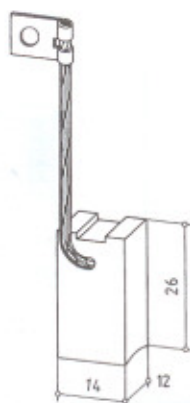
4 - AS 18

IB 1003965 24 V

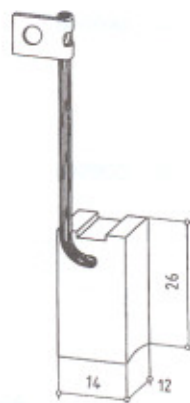
ASX 19

4 - AS 19

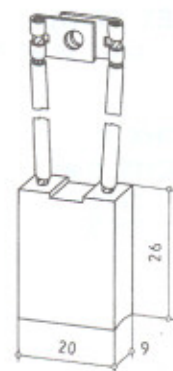
IB 1004773 12 V



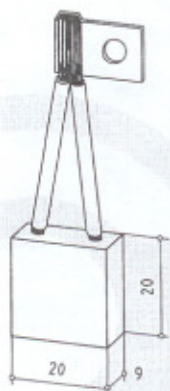
AS 5, AS 16



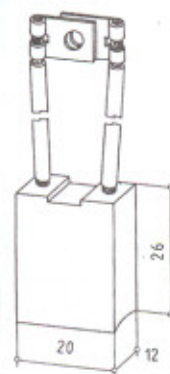
AS 6, AS 17



AS 7-9, AS 11-14



AS 14 K



AS 18



AS 19

CHX 1
(EX 87 R)

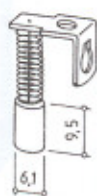
IB 1006548

2 - CH 1 (E 87 R)

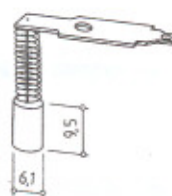
CHX 8
(CHX 8-9)

IB 1006549

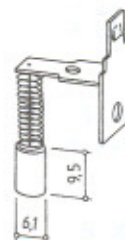
1 - CH 8
1 - CH 9



CH 1



CH 8



CH 9

CHX 2
(CHX 2-3,
EX 89-90)

1 - CH 2 (E 89)
1 - CH 3 (E 90)

IB 1006435

CHX 4
(CHX 4-5)

1 - CH 4
1 - CH 5

IB 1006436

CHX 6
(CHX 6-7)

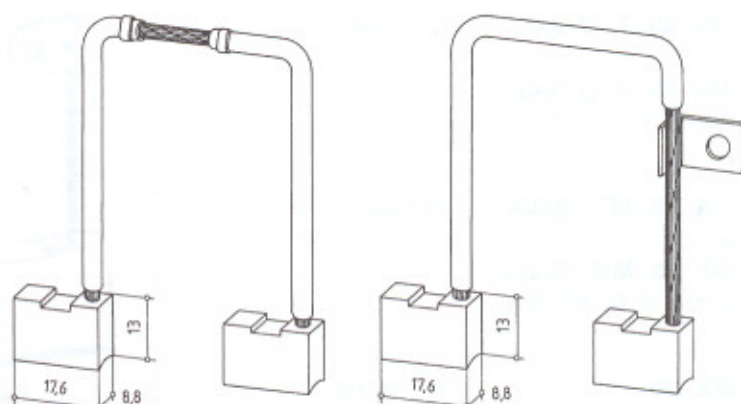
1 - CH 6
1 - CH 7

IB 1006437

CHX 10
(CHX 10-4)

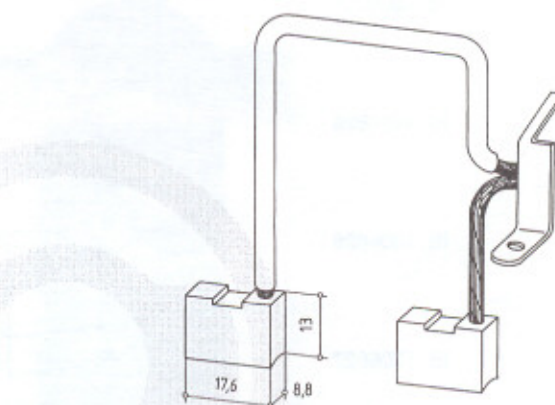
1 - CH 10
1 - CH 4

IB 1006438

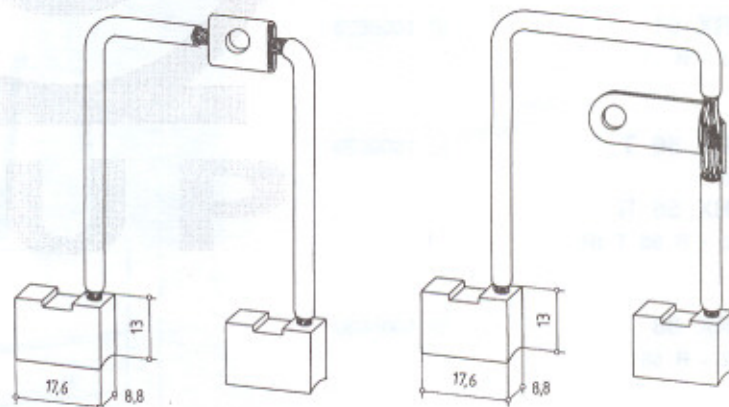


CH 2, CH 3

CH 4



CH 5, CH 10



CH 6

CH 7

DX 85 T (2/3/4) IB 1006623

or

DX 85 R (2/3/4)

2/3/4 - D 85 T (R)

DX 85 MT (2/3/4) IB 1006624

or

DX 85 MR (2/3/4)

2/3/4 - D 85 MT (MR)

RX 20 IB 1006550

2 - R 20

RX 21 IB 1006551

4 - R 21

RX 31 (3) IB 1006625

3 - R 31

RX 46 IB 1006626

2 - R 46

RX 46-43 C IB 1006627

2 - R 46

1 - R 43 C

RX 51 IB 1006628

2 - R 51

RX 56 T IB 1006629

or

RX 56 R

2 - R 56 T (R)

RX 58 IB 1006630

2 - R 58

RX 58 S IB 1006631

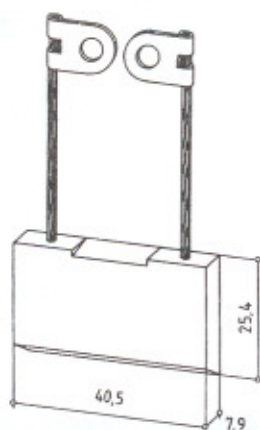
2 - R 58 S

RX 59 IB 1006632

2 - R 59

RX 59 S IB 1006633

2 - R 59 S



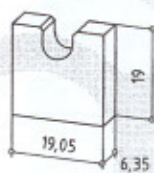
D 85 T, D 85 MT



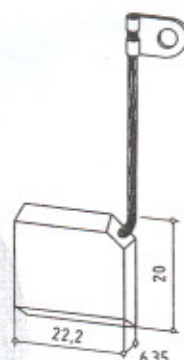
R 20



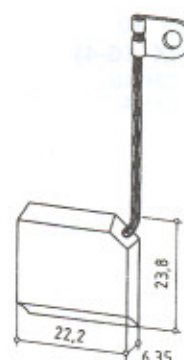
R 21



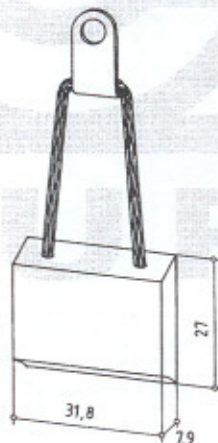
R 31



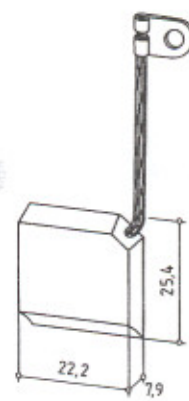
R 43 C, R 46



R 51, R 58, R 58 S



R 56 T



R 59, R 59 S

RX 61

2 - R 61

IB 1006622

RX 89

(RX 89-90)

1 - R 89

1 - R 90

IB 1006552

RX 91

2 - R 91

IB 1006553

RX 99

(RX 99-100)

1 - R 99

1 - R 100

IB 1006554

RX 103

2 - R 103

IB 1006555

RX 103 E

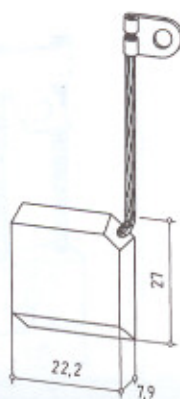
2 - R 103 E

IB 1006556

RX 103 F

2 - R 103 F

IB 1006557



R 61



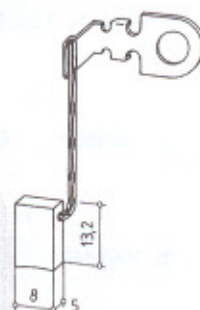
R 89



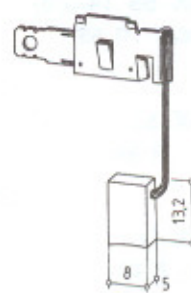
R 90



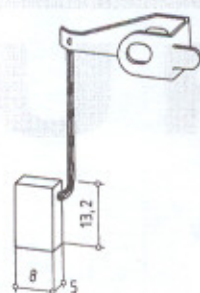
R 91



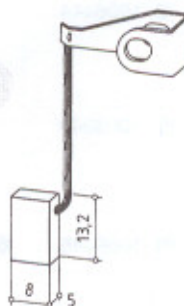
R 99



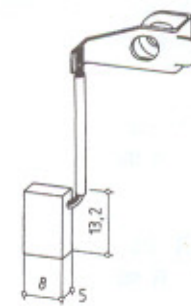
R 100



R 103



R 103 E



R 103 F

DX 112 (4/6) IB 1004550 6 V

4/6 - D 112

DX 115 (4/6/8/12) IB 1004552 12/24/32 V

4/6/8/12 - D 115

RX 37 IB 1006439 6 V

4 - R 37

RX 45 IB 1006440 12 V

4 - R 45

RX 53 (4/6/8/12) IB 1004555 12/24 V

4/6/8/12 - R 53

RX 55 (4/6/8) IB 1006441 12/24/32 V

4/6/8 - R 55

RX 57 IB 1004556 6/12 V

4 - R 57

RX 60 IB 1006442 12 V

4 - R 60

RX 70 IB 1006443 24 V

4 - R 70

RX 87 IB 1006444 12 V

4 - R 87

RX 92 IB 1003940 24 V

4 - R 92

RX 95 IB 1006445 6/12 V

4 - R 95

RX 97 IB 1006446 12 V

4 - R 97

RX 120 (2) IB 1006447

1 - 3 471 487

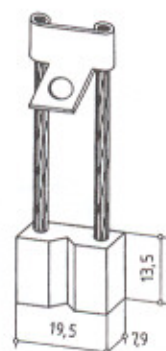
1 - 3 471 488

RX 120 (4) IB 1005307

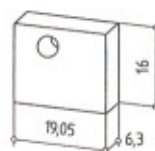
2 - 3 471 009

1 - 3 471 022

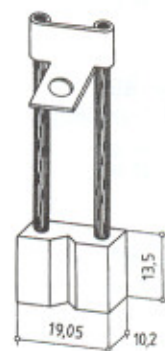
1 - 3 471 024



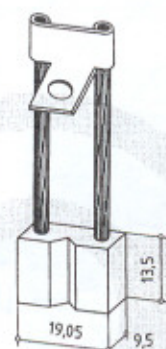
D 112, D 115



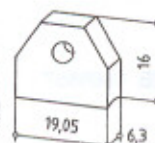
R 37, R 45



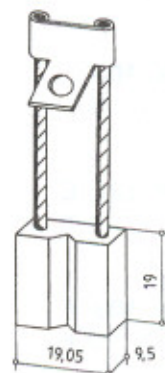
R 53, R 57



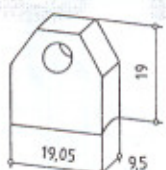
R 55



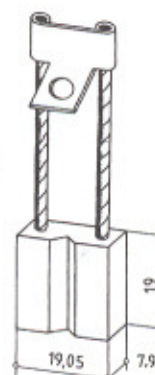
R 60



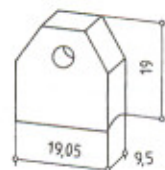
R 70



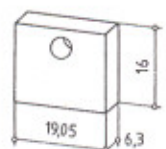
R 87



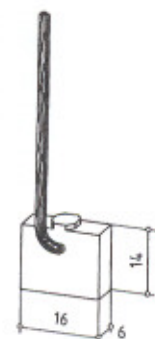
R 92



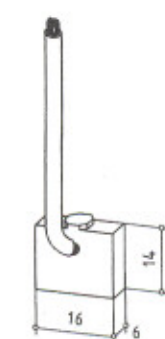
R 95



R 97



009, 487



488, 022, 024

UX 28-29

1 - U 28
1 - U 29

IB 1006612 6/12 V

UX 34

2 - U 34

IB 1006613 6/12 V

UX 35

2 - U 35

IB 1006614 12 V

UX 36

2 - U 36

IB 1006615 6/12 V

UX 37-38

1 - U 37
1 - U 38

IB 1006616 6/12 V

UX 39

2 - U 39

IB 1006617 12 V

UX 42-43

1 - U 42
1 - U 43

IB 1006618 12/24 V

UX 46

2 - U 46

IB 1006619 6/12 V

UX 46-52

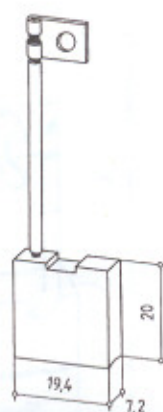
1 - U 46
1 - U 52

IB 1006620 6/12 V

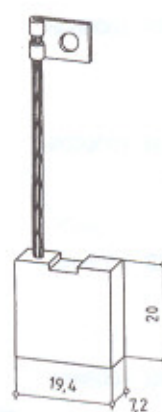
UX 47

2 - U 47

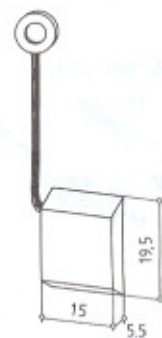
IB 1006621 6/12 V



U 28



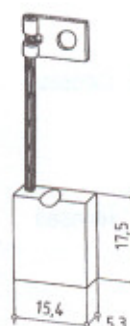
U 29



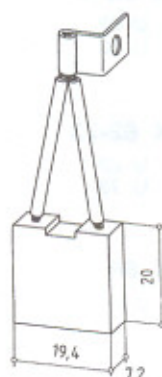
U 34



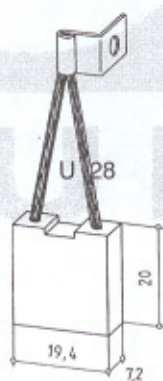
U 35



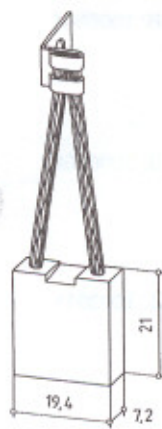
U 36, 39



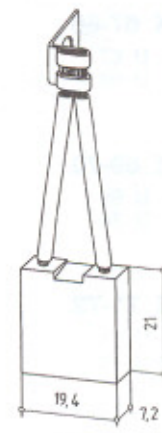
U 37



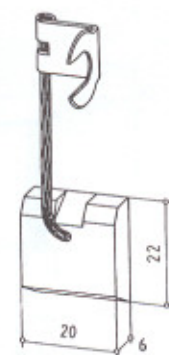
U 28



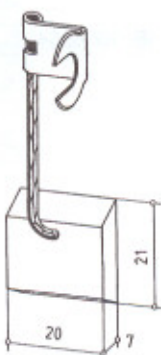
U 42



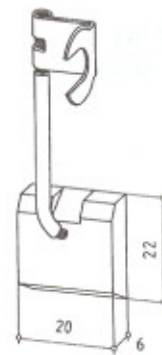
U 43



U 46



UX 47

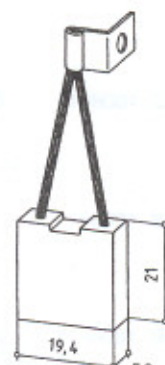


U 52

UX 48 2 - U 48	IB 1006608	12 V
UX 53 (2) 2 - U 53	IB 1006609	24 V
UX 53 (4) 4 - U 53	IB 1006610	24 V
UX 58 2 - U 58	IB 1006611	12 V
UX 62-63 1 - U 62 1 - U 63	IB 1006558	12 V
UX 62-73 1 - U 62 1 - U 73	IB 1006559	12 V
UX 64 2 - U 64	IB 1006560	12 V
UX 65 = UX 58		
UX 67-68 1 - U 67 1 - U 68	IB 1006561	12 V
UX 69-70 1 - U 69 1 - U 70	IB 1006562	12 V
UX 71-72 1 - U 71 1 - U 72	IB 1003911	12 V
UX 79-80 1 - U 79 1 - U 80	IB 1006563	12 V
UX 81 2 - U 81	IB 1006564	6 V



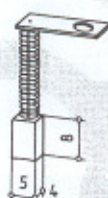
U 48



U 53



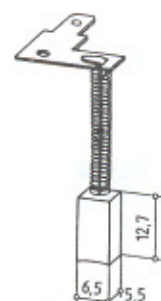
U 58



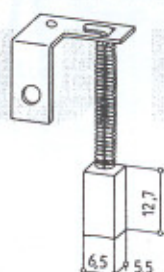
U 62, U 63



U 64



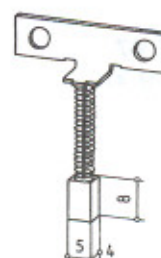
U 67, U 69



U 68, U 70



U 71, U 73



U 72



U 79



U 80



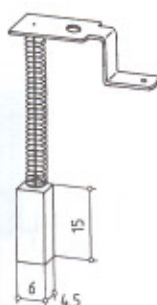
U 81

UX 82-83

1 - U 82
1 - U 83

IB 1006565

12 V



U 82



U 83



U 82/0, U 83/0

UX 82-83/0

1 - U 82/0
1 - U 83/0

IB 1006566

12 V

UX 84

2 - U 84

IB 1006567

UX 85

2 - U 85

IB 1006568

UX 87-88

1 - U 87
1 - U 88

IB 1006569

UX 87-89

1 - U 87
1 - U 89

IB 1006570

UX 90

2 - U 90

IB 1006571

UX 90-91

1 - U 90
1 - U 91

IB 1006572

UX 92

2 - U 92

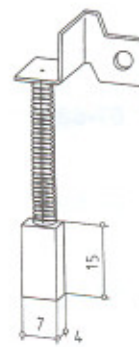
IB 1006573



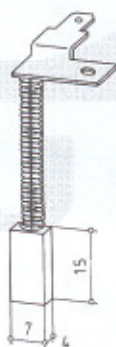
U 84



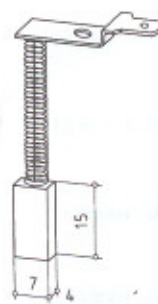
U 85



U 87



U 88



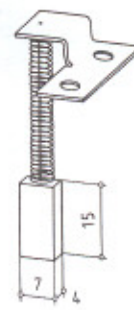
U 89



U 90



U 91



U 92

UX 93

1 - U 93 a
1 - U 93 b

IB 1006574

UX 94

1 - U 94 a
1 - U 94 b

IB 1006575

UX 95

1 - U 95 a
1 - U 95 b

IB 1006576

UX 96

1 - U 96 a
1 - U 96 b

IB 1006577

Bez stopice

UX 87-88/0

IB 1006645

UX 87-89/0

IB 1006646

UX 90/0

IB 1006647

UX 90-91/0

IB 1006648

UX 92/0

IB 1006649

UX 93/0

IB 1006650

UX 94/0

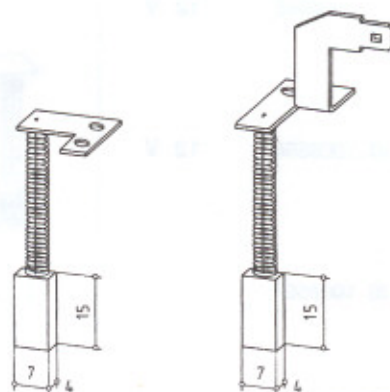
IB 1006651

UX 95/0

IB 1006652

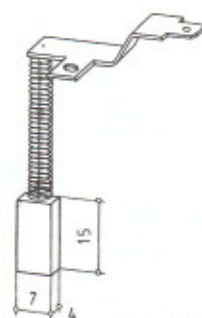
UX 96/0

IB 1006653

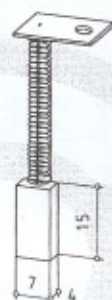


U 93 a, U 94 a

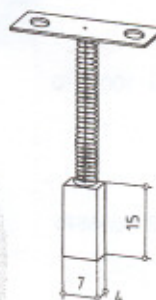
U 93 b, U 95 b,
U 96 b



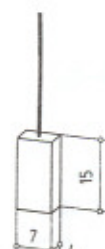
U 94 b



U 95 a



U 96 a



U 87 - 96/0

USX 21-22	IB 1004557	6 V			
1 - US 21 1 - US 22			US 21, US 45, US 60, US 64, US 68, US 73		
USX 44-21	IB 1004558	6 V			
1 - US 44 1 - US 21					
USX 45-23	IB 1004559	12 V			
1 - US 45 1 - US 23					
USX 50-51 (2)	IB 1004560	6/12 V			
1 - US 50 1 - US 51					
USX 50-51 (4)	IB 1004561	6/12 V			
2 - US 50 2 - US 51					
USX 60-59	IB 1003962	12 V			
1 - US 60 1 - US 59			US 50	US 51	US 85
USX 60-73	IB 1004562	12 V			
1 - US 60 1 - US 73					
USX 61-64	IB 1004563	6 V			
2 - US 61 2 - US 64					
USX 64-65	IB 1004566	6 V			
1 - US 64 1 - US 65					
USX 67-68	IB 1004567	12 V			
1 - US 67 1 - US 68					
USX 68	IB 1004568	12 V			
2 - US 68					
USX 73-85	IB 1004569	12 V			
1 - US 73 1 - US 85					

USX 74-75

1 - US 74
1 - US 75

IB 1004570 12 V

USX 76-77-78

2 - US 76
1 - US 77
1 - US 78

IB 1004571 12 V

USX 82-83-84

1 - US 82
2 - US 83
1 - US 84

IB 1004572 12 V

USX 85-88

1 - US 85
1 - US 88

IB 1004573 12 V

USX 86-87

1 - US 86
1 - US 87

IB 1004574 12 V

USX 91-92

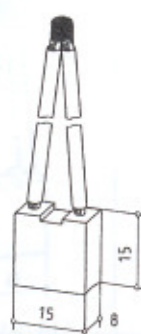
1 - US 91
1 - US 92

IB 1004575

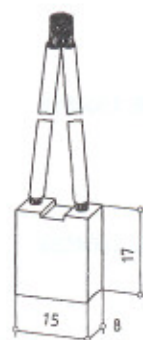
USX 93-94

2 - US 93
1 - US 94

IB 1006784



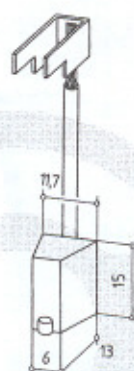
US 74-78, US 86-88



US 82-84



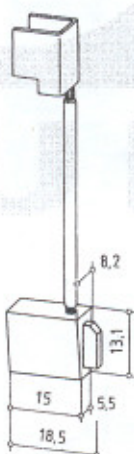
US 85



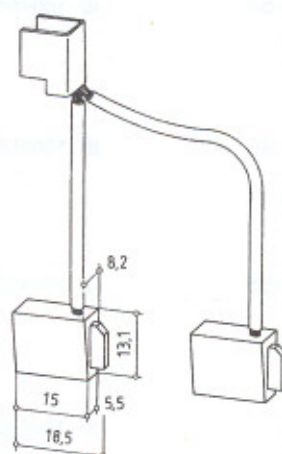
US 91



US 92



US 93



US 94

FEX 1
2 - FE 1

IB 1006597

FEX 2-3
1 - FE 2
1 - FE 3

IB 1006598

FEX 4
2 - FE 4

IB 1006599

12 V

FEX 5
2 - FE 5

IB 1006600

FEX 5-6
1 - FE 5
1 - FE 6

IB 1006601

FEX 7-8
1 - FE 7
1 - FE 8

IB 1006602

FEX 9
2 - FE 9

IB 1006603

FEX 10-11
1 - FE 10
1 - FE 11

IB 1006604

FEX 12
2 - FE 12

IB 1006605

12 V

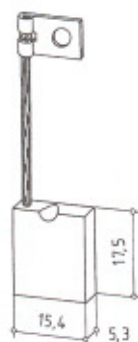
FEX 13
2 - FE 13

IB 1006606

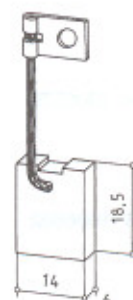
12 V

FEX 14
2 - FE 14

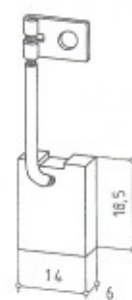
IB 1006607



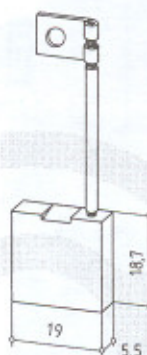
FE 1



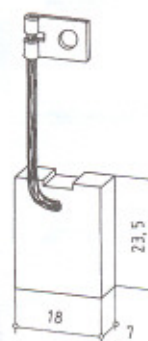
FE 2



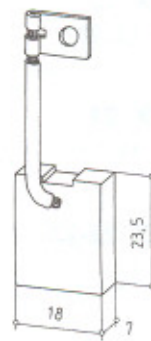
FE 3



FE 4



FE 5, FE 7



FE 6, FE 8



FE 9



FE 10



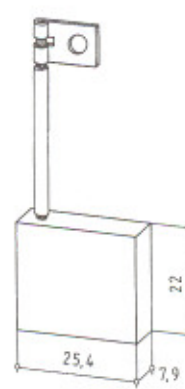
FE 11



FE 12



FE 13



FE 14

FEX 15-16

1 - FE 15
1 - FE 16

IB 1006578

FEX 17

2 - FE 17

IB 1006579

FEX 19

2 - FE 19

IB 1006592

FEX 19 B

4 - FE 19 B

IB 1006593

24 V**FEX 20**

2 - FE 20

IB 1006594

FEX 21

2 - FE 21

IB 1006595

FEX 22-23

1 - FE 22
1 - FE 23

IB 1006596

12 V**FEX 24-25**

1 - FE 24
1 - FE 25

IB 1006580



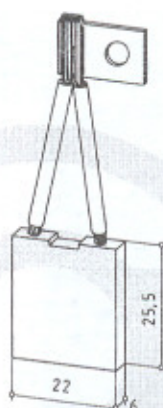
FE 15



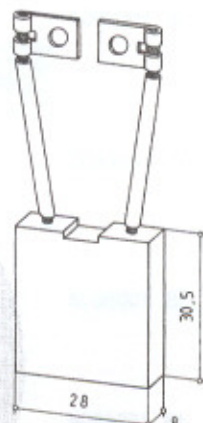
FE 16



FE 17



FE 19, FE 19 B



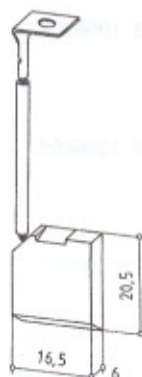
FE 20



FE 21



FE 22



FE 23



FE 24



FE 25

FESX 3

IB 1004576

1 - FES 3 is
1 - FES 3**FESX 6-7**

IB 1004577

12 V

1 - FES 6
1 - FES 7**FESX 7**

IB 1004578

12 V

2 - FES 7

FESX 9

IB 1004579

12 V

4 - FES 9

FESX 10

IB 1006448

24 V

4 - FES 10

FESX 11

IB 1006449

12 V

4 - FES 11

FESX 12

IB 1004580

12 V

4 - FES 12

FESX 13

IB 1006450

24 V

4 - FES 13

FESX 14

IB 1004582

12 V

4 - FES 14

FESX 15

IB 1006451

24 V

4 - FES 15

FESX 16

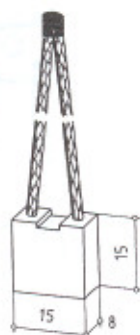
IB 1004586

12 V

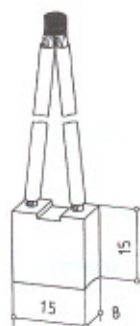
2 - FES 16

FESX 18-19

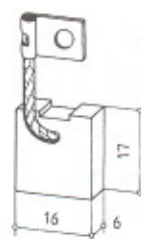
IB 1006452

2 - FES 18
2 - FES 19

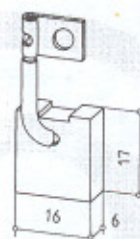
FES 3



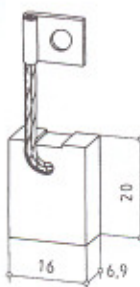
FES 3 is



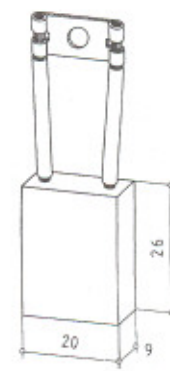
FES 6



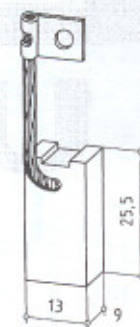
FES 7



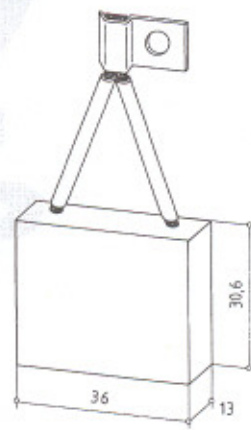
FES 9



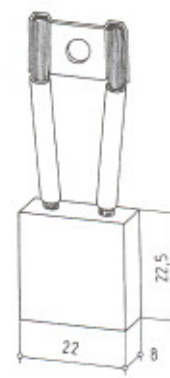
FES 10, FES 11



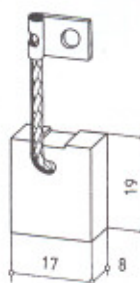
FES 12



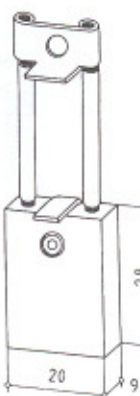
FES 13



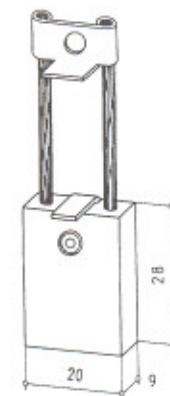
FES 14, FES 15



FES 16



FES 18



FES 19

FESX 20-21

2 - FES 20
2 - FES 21

IB 1004588

FESX 22-23

1 - FES 22
1 - FES 23

IB 1004590

FESX 24

4 - FES 24

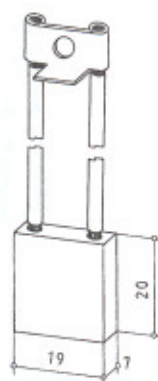
IB 1004591

FESX 25-26

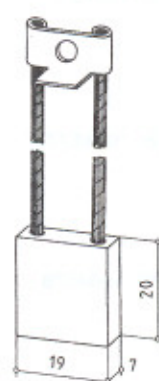
1 - FES 25
1 - FES 26

IB 1004592

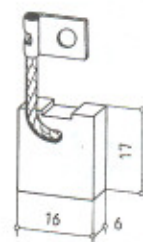
12 V



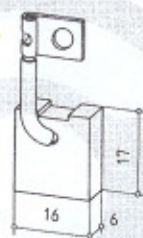
FES 20



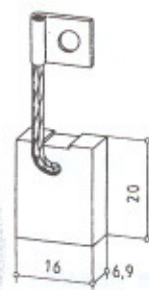
FES 21



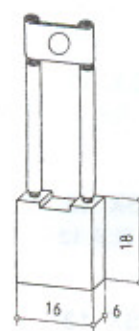
FES 22



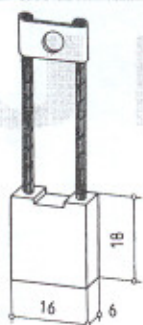
FES 23



FES 24



FES 25



FES 26

JX 1 2 - J 1	IB 1006716	12 V
JX 8 2 - J 8	IB 1006717	12 V
JX 13 2 - J 13	IB 1006718	12 V
JX 14 2 - J 14	IB 1004082	12 V
JX 16 2 - J 16	IB 1004087	12 V
JX 16 C 2 - J 16 C	IB 1006719	24 V
JX 17 2 - J 17	IB 1006720	12 V
JX 18 2 - J 18	IB 1006721	12 V
JX 19 2 - J 19	IB 1006722	24 V
JX 19 C 2 - J 19 C	IB 1006723	24 V
JX 20 2 - J 20	IB 1006724	12 V
JX 21 2 - J 21	IB 1004086	12 V
JX 22 2 - J 22	IB 1006725	12 V
JX 26 2 - J 26	IB 1004113	12 V



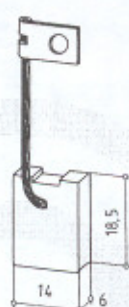
J 1



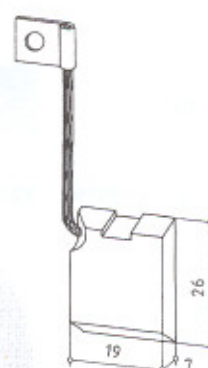
J 8



J 13



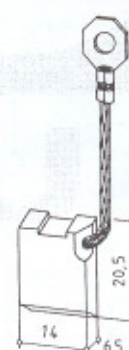
J 14



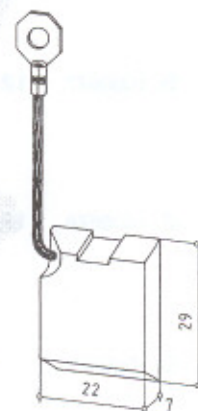
J 16, J 16 C



J 17



J 18



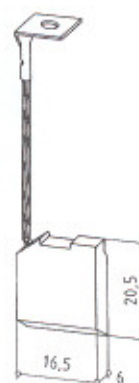
J 19, J 19 C



J 20, J 21



J 22



J 26

JX 24-25

1 - J 24
1 - J 25

IB 1006671

12 V

JX 27-25

1 - J 27
1 - J 25

IB 1006672

24 V

JX 28-29

1 - J 28
1 - J 29

IB 1006673

12 V

JX 30-31

1 - J 30
1 - J 31

IB 1006674

12/24 V

JX 30i-31i = JX 34-35**JX 32**

2 - J 32

IB 1006675

12/24 V

JX 33-31 = JX 30-31**JX 34-35**

1 - J 34
1 - J 35

IB 1006676

12/24 V

JX 36-37

1 - J 36
1 - J 37

IB 1006677

12/24 V

JX 36-37/0

1 - J 36/0
1 - J 37/0

IB 1006678

12/24 V

JX 37-38

1 - J 37
1 - J 38

IB 1006679

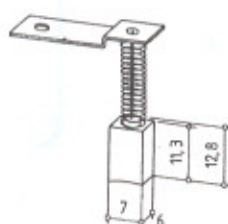
12 V

JX 38-37/0

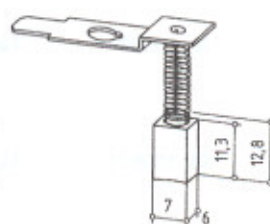
1 - J 38/0
1 - J 37/0

IB 1006680

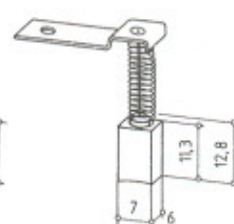
12 V



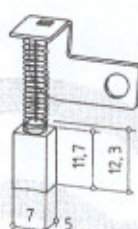
J 24



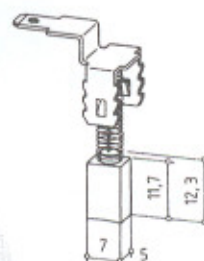
J 25



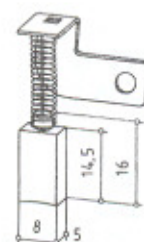
J 27



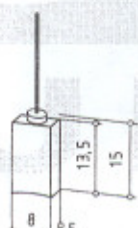
J 28



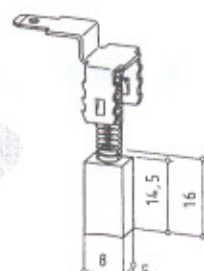
J 29



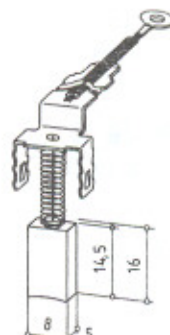
J 30, J 34



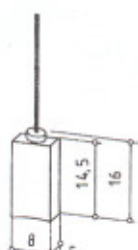
J 32



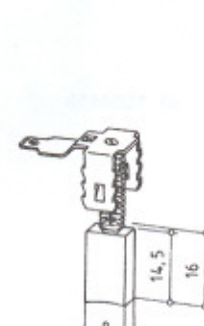
J 31, J 35



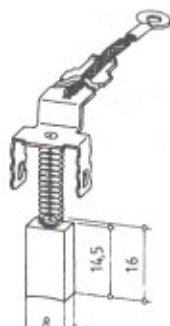
J 36



J 36/0 - J 38/0



J 37



J 38

JX 37-39

1 - J 37
1 - J 39

IB 1006681 12/24 V

JX 39-37/0

1 - J 39/0
1 - J 37/0

IB 1006682 12/24 V

JX 40-41

1 - J 40
1 - J 41

IB 1006683 24 V

JX 40-41/0

1 - J 40/0
1 - J 41/0

IB 1006684 24 V

JX 42

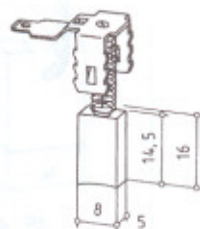
2 - J 42

IB 1006658 12/24 V

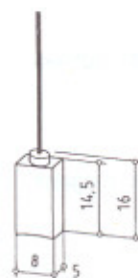
JX 43

2 - J 43

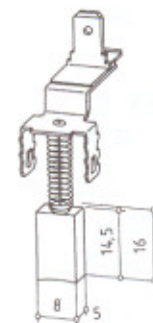
IB 1017115 12 V



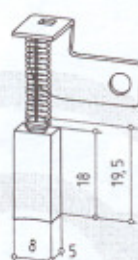
J 37



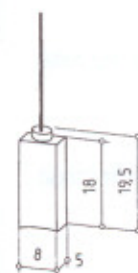
J 37/0, J 39/0



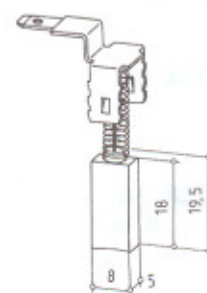
J 39



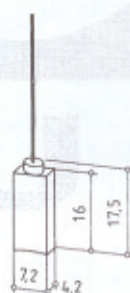
J 40



J 40/0, J 41/0



J 41

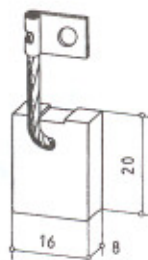


J 42

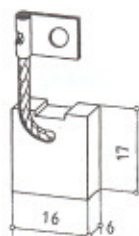


J 43

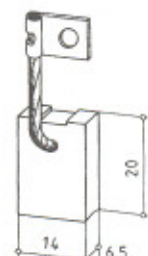
JSX 4 2 - JS 4	IB 1003898	12 V
JSX 5 2 - JS 5	IB 1003899	12 V
JSX 9 4 - JS 9	IB 1003897	24 V
JSX 13 4 - JS 13	IB 1003900	12 V
JSX 14 2 - JS 14	IB 1004695	12 V
JSX 15 4 - JS 15	IB 1004696	24 V
JSX 16 2 - JS 16	IB 1003930	12 V
JSX 17 4 - JS 17	IB 1004697	24 V
JSX 18 4 - JS 18	IB 1004698	24 V
JSX 19 4 - JS 19	IB 1004699	12 V
JSX 20 4 - JS 20 is	IB 1004700	24 V
JSX 21-22 1 - JS 21 2 - JS 22	IB 1004701	12 V
JSX 23-24-28 2 - JS 23 1 - JS 24 1 - JS 28	IB 1004702	12 V



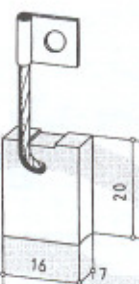
JS 4



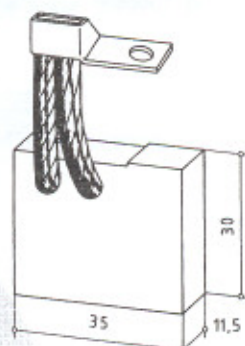
JS 5



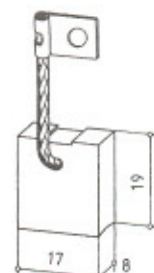
JS 9, JS 14



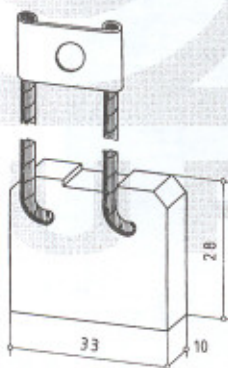
JS 13



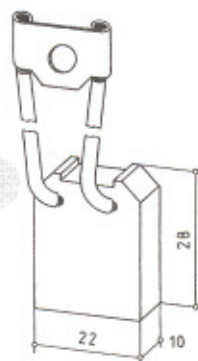
JS 15, JS 20 is



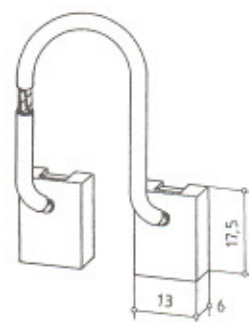
JS 16



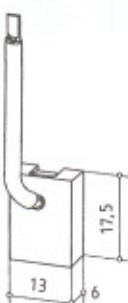
JS 17



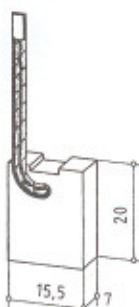
JS 18, JS 19



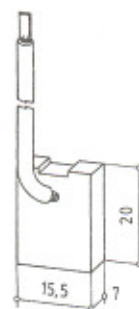
JS 21



JS 22



JS 23



JS 24, JS 28

JSX 25-22

1 - JS 25
3 - JS 22

IB 1004703

12 V

JSX 26-27

3 - JS 26
1 - JS 27

IB 1004704

12 V

JSX 29-30

1 - JS 29
1 - JS 30

IB 1004705

12 V

JSX 31-32

2 - JS 31
1 - JS 32

IB 1004706

12 V

JSX 33-34

2 - JS 33
2 - JS 34

IB 1004707

12 V

JSX 35-36

2 - JS 35
2 - JS 36

IB 1004708

12 V

JSX 35-37

2 - JS 35
1 - JS 37

IB 1004709

12 V

JSX 38-39-40

1 - JS 38 (-)
1 - JS 39 (+)
1 - JS 40 (+)

IB 1017116

12 V

JSX 38-41 (2)

1 - JS 38 (-)
1 - JS 41 (+)

IB 1017117

12 V

JSX 38-42 (2)

1 - JS 38 (-)
1 - JS 42 (+)

IB 1017118

12 V

JSX 46-40-47 (4)

1 - JS 46 (+)
1 - JS 40 (+)
2 - JS 47 (-)

IB 1017119

12 V

JSX 43-45-44 (4)

2 - JS 43 (-)
1 - JS 45 (+)
1 - JS 44 (+)

IB 1017120

12 V

JSX 48-49-50 (3)

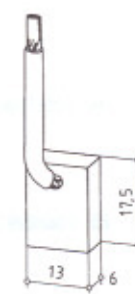
1 - JS 48 (+)
1 - JS 49 (+)
1 - JS 50 (-)

IB 1017121

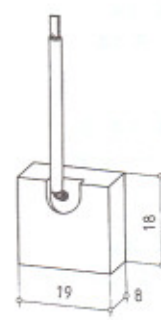
12 V



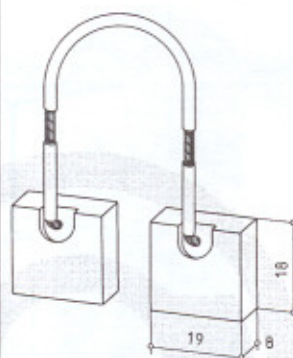
JS 22, JS 25 - 27



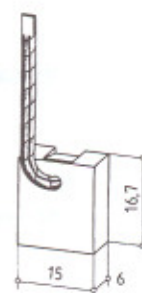
JS 29, JS 30



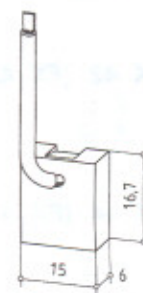
JS 31



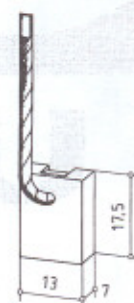
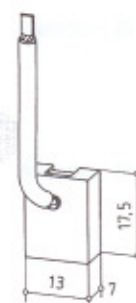
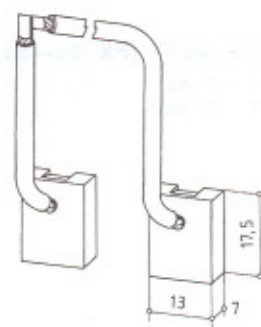
JS 32



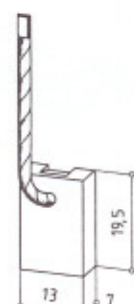
JS 33



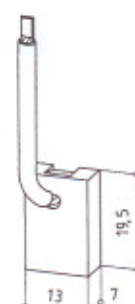
JS 34

JS 35, JS 38,
JS 47JS 36, JS 39,
JS 40, JS 41,
JS 42, JS 46

JS 37



JS 43, JS 50

JS 44, JS 45,
JS 48, JS 49

FX 14

2 - F 14

IB 1006589

FX 14 S

2 - F 14 S

IB 1006590

FX 33

2 - F 33

IB 1006591

FX 37 (FX 37-38)

1 - F 37

1 - F 38

IB 1006582

FX 39

2 - F 39

IB 1006583

FX 42 (FX 42-43)

1 - F 42

1 - F 43

IB 1006584

FX 44 (FX 44-45)

1 - F 44

1 - F 45

IB 1006585

FX 44M (FX 44-45M)

1 - F 44M

1 - F 45M

IB 1006586

FX 48/0 (FX 42-48)

1 - F 42

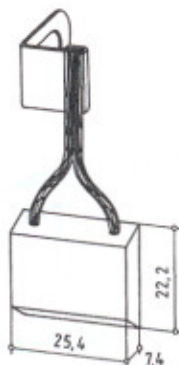
1 - F 48/0

IB 1006587

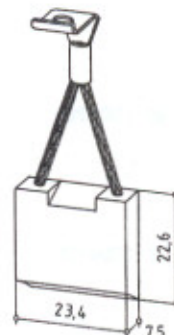
FX 114

2 - F 114

IB 1006588



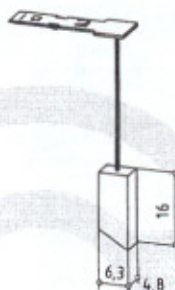
F 14, 14 S, F 114



F 33



F 37



F 38



F 39



F 42



F 43

F 44, F 44M,
F 45, F 45M

F 48/0

FX 5-6

IB 1006453

2 - F 5
2 - F 6

FX 5 T-6 S

IB 1006454

2 - F 5 T
2 - F 6 S

FX 30 (FX 30-31-32)

IB 1006455

1 - F 30 (F 5 T)
1 - F 31 (F 5)
1 - F 32

FX 34 (FX 34-35-36)

IB 1006456

1 - F 34
1 - F 35
1 - F 36

FX 40

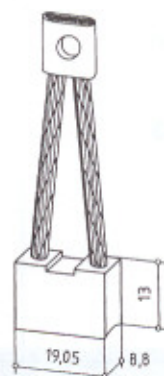
IB 1006457

1 - F 40
1 - F 5
1 - F 5 T

FX 41

IB 1006458

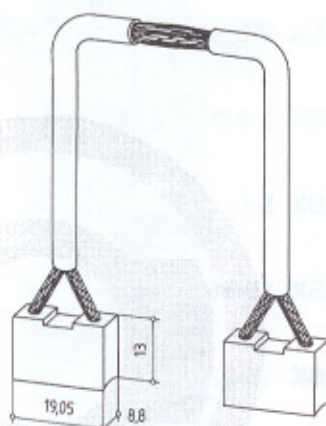
1 - F 41
1 - F 5
1 - F 5 T



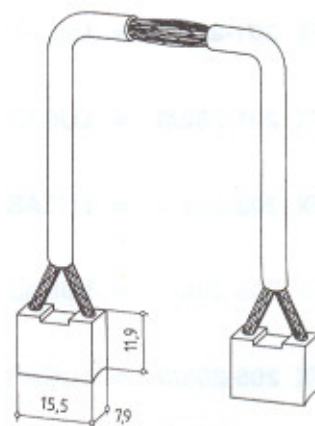
F 5, F 5 T, F 30, F 31



F 6, F 6 S



F 32, F 40, F 41



F 34



F 35, F 36

FX 103	=	LUCAS	LAX 9
FX 104	=	LUCAS	LAX 10
FX 105	=	LUCAS	LAX 23

FX 201-202	=	LUCAS	LASX 2-3
FX 201-202/0	=	LUCAS	LASX 2-3/0
FX 203-204	=	LUCAS	LASX 5-6
FX 205-206	=	LUCAS	LASX 15-16
FX 205-206/0	=	LUCAS	LASX 15-27

IKSX 1

2 - IKS 1

IB 1014739 12 V

IKSX 2-3

1 - IKS 2

1 - IKS 3

IB 1014740 12 V

IKSX 4

2 - IKS 4

IB 1014738 12 V

IKSX 5-6

2 - IKS 5

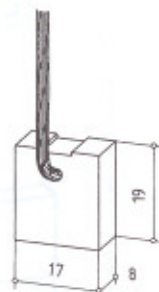
2 - IKS 6

IB 1017113 12 V

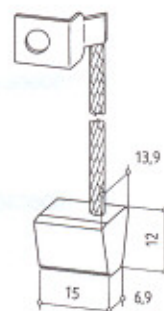
IKSX 7

4 - IKS 7

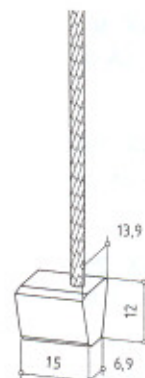
IB 1017114 12 V



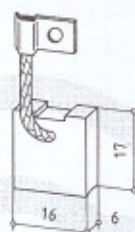
IKS 1



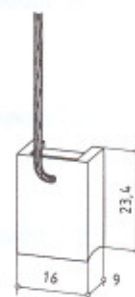
IKS 2



IKS 3



IKS 4



IKS 5



IKS 6



IKS 7

LAX 9

2 - LA 9

IB 1004084

LAX 10

2 - LA 10

IB 1006685

LAX 22

2 - LA 22

IB 1006686

LAX 23

2 - LA 23

IB 1006687

LAX 24

2 - LA 24

IB 1006688

LAX 25

2 - LA 25

IB 1006689

LAX 26

2 - LA 26

IB 1006690

LAX 27

2 - LA 27

IB 1006691

LAX 28

2 - LA 28

IB 1006692

LAX 29

2 - LA 29

IB 1006693

LAX 30

2 - LA 30

IB 1006654

LAX 31

2 - LA 31

IB 1006655

LAX 31-32

1 - LA 31

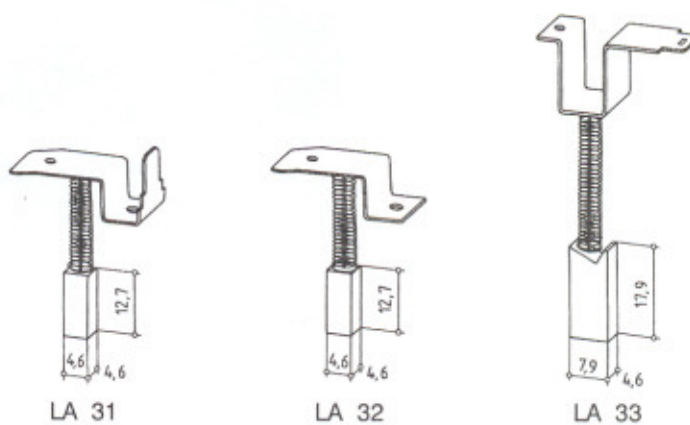
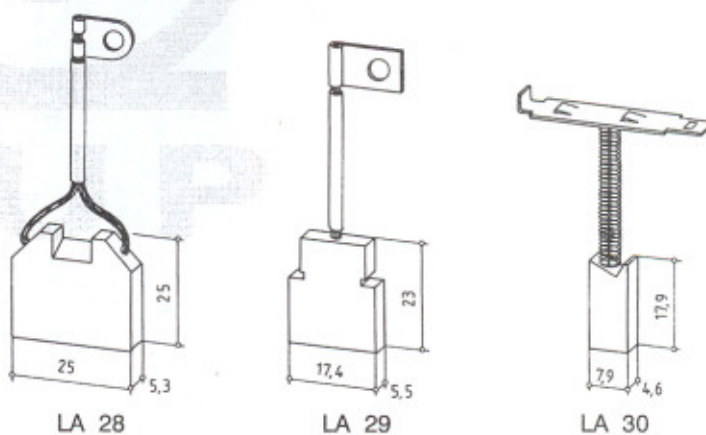
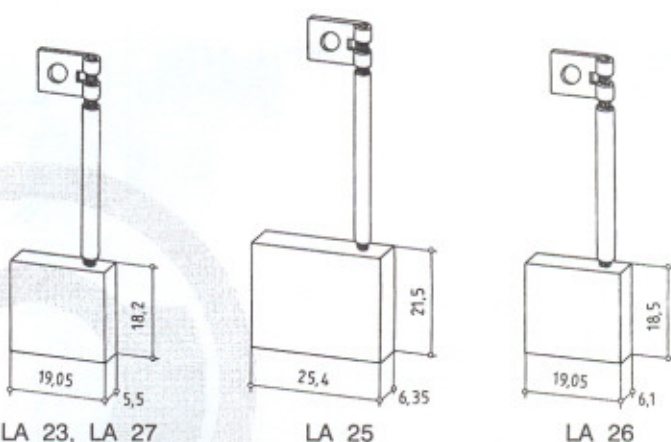
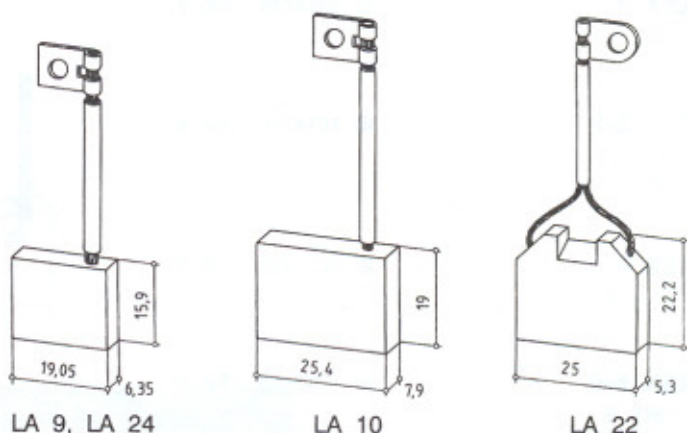
1 - LA 32

IB 1006656

LAX 33

2 - LA 33

IB 1006657



LAX 80-81

1 - LA 80
1 - LA 81

IB 1017128

LAX 82

2 - LA 82

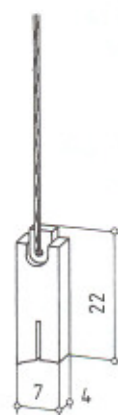
IB 1017129



LA 80



LA 81



LA 82

LASX 2

2 - LAS 2

IB 1006459

ILI

LASX 2-3

2 - LAS 2
2 - LAS 3

IB 1006460

ILI

LASX 2-3/0

2 - LAS 2
2 - LAS 3/0

IB 1006461

LASX 2-14

3 - LAS 2
1 - LAS 14

IB 1006462

LASX 5-6

2 - LAS 5
1 - LAS 6

IB 1006463

ILI

LASX 17-6

2 - LAS 17
1 - LAS 6

IB 1006464

ILI

LASX 17-23

2 - LAS 17
2 - LAS 23

IB 1006465

ILI

LASX 17-34-35

2 - LAS 17
1 - LAS 34-35

IB 1006466

LASX 15-16

2 - LAS 15
2 - LAS 16

IB 1004710

ILI

LASX 15-27

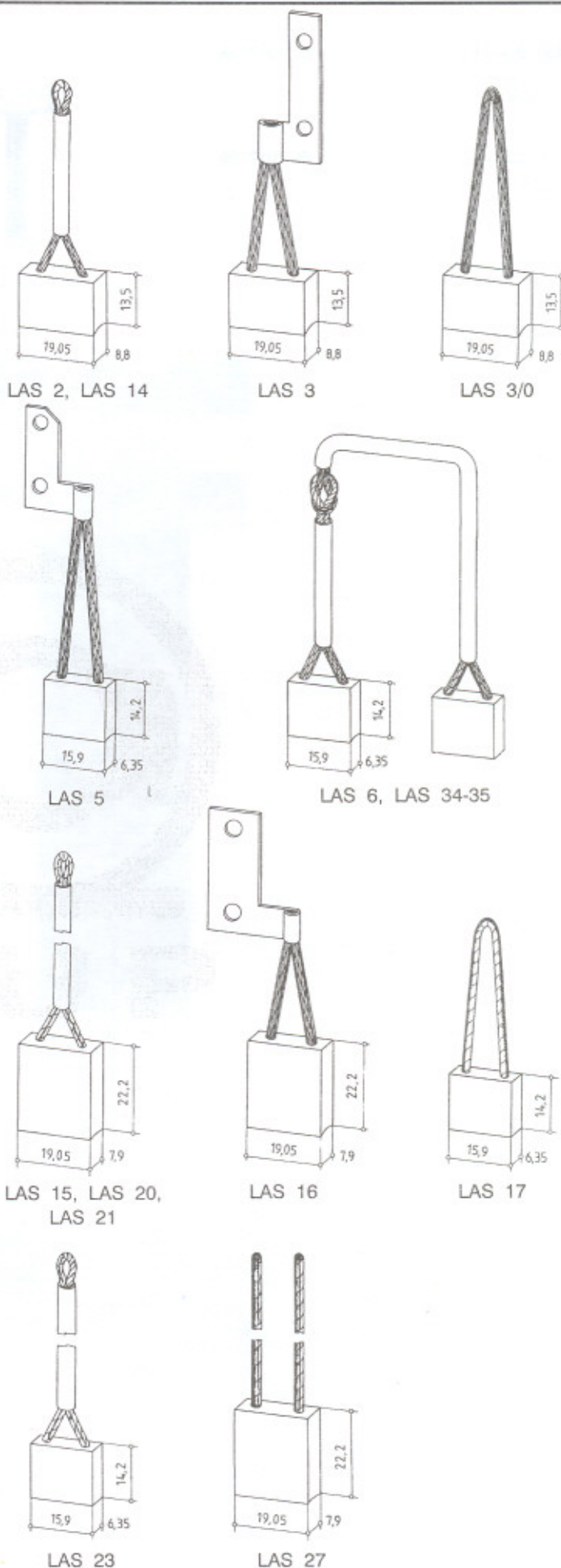
2 - LAS 15
2 - LAS 27

IB 1004711

LASX 15-20-21

2 - LAS 15
1 - LAS 20
1 - LAS 21

IB 1004712



LASX 24-25-26

IB 1006467

- 2 - LAS 24
- 1 - LAS 25
- 1 - LAS 26

ILI

LASX 24-25-26/0

IB 1006468

- 2 - LAS 24/0
- 1 - LAS 25
- 1 - LAS 26

LASX 30-31-32

IB 1004713

- 1 - LAS 30
- 1 - LAS 31
- 2 - LAS 32

LASX 31

IB 1004714

- 4 - LAS 31

LASX 36

IB 1004715

- 4 - LAS 36

LASX 37-38-39

IB 1004716

- 1 - LAS 37-38
- 1 - LAS 37-39

LASX 40-41

IB 1004717

- 1 - LAS 40
- 1 - LAS 41

LASX 42

IB 1004719

- 4 - LAS 42



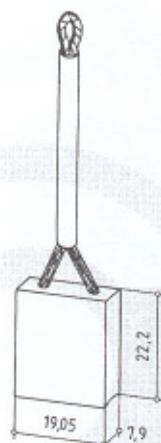
LAS 24



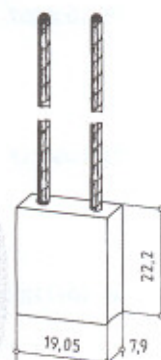
LAS 24/0



LAS 25, 26



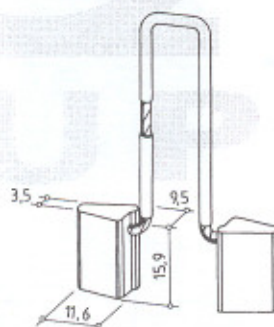
LAS 30, LAS 31



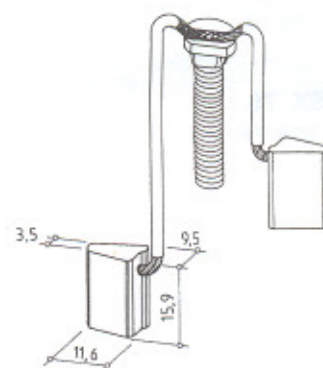
LAS 32



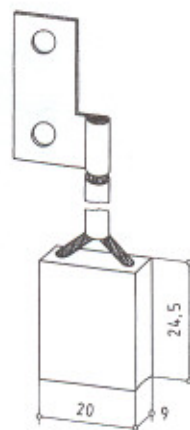
LAS 36



LAS 37-38, LAS 37-39, LAS 41



LAS 40



LAS 42

LASX 43-44

IB 1006093

- 1 - LAS 43
1 - LAS 44

LASX 43-47-48

IB 1006094

- 1 - LAS 43
1 - LAS 47-48

LASX 43-49-50

IB 1006095

- 1 - LAS 43
1 - LAS 49
1 - LAS 50

LASX 44-45

IB 1006096

- 1 - LAS 44
1 - LAS 45

LASX 46-47-48

IB 1006097

- 1 - LAS 46
1 - LAS 47-48

LASX 73-41

IB 1004718

- 1 - LAS 41
2 - LAS 73

LASX 74

IB 1017122

- 4 - LAS 74

LASX 75

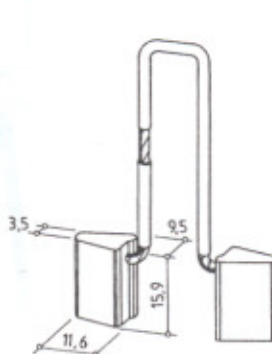
IB 1017123

- 4 - LAS 75

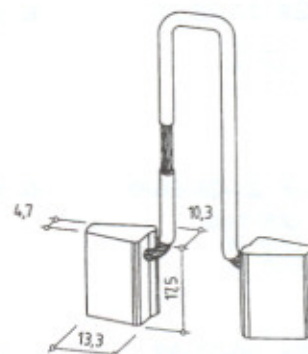
LASX 76

IB 1017124

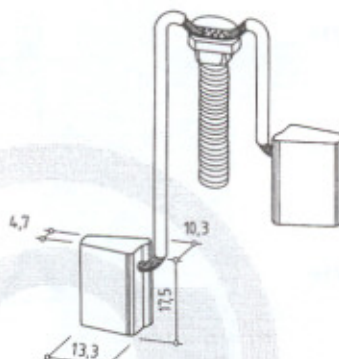
- 4 - LAS 76



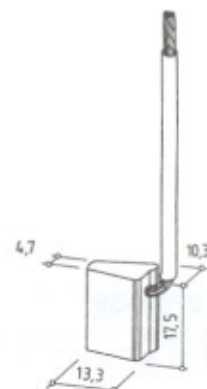
LAS 41



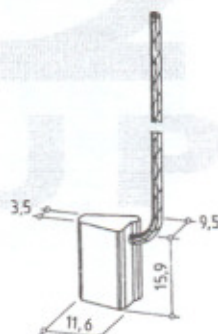
LAS 43, LAS 44, LAS 47-48



LAS 45, LAS 46



LAS 49, LAS 50



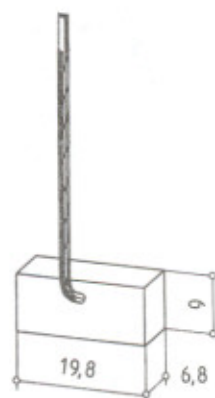
LAS 73



LAS 74



LAS 75



LAS 76

MAX 3

2 - MA 3

IB 1006709

MAX 18

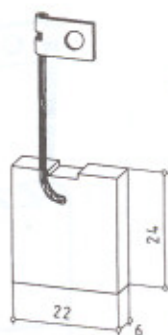
2 - MA 18

IB 1006710

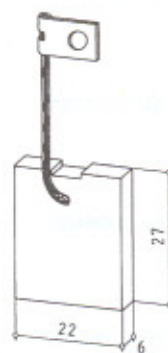
MAX 21

2 - MA 21

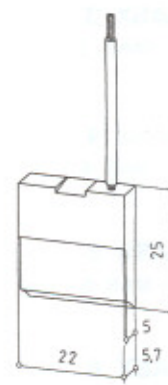
IB 1006711



MA 3



MA 18



MA 21

MASX 3

4 - MAS 3

IB 1004720

24 V

MASX 4

4 - MAS 4

IB 1004721

24 V

MASX 5

2 - MAS 5

IB 1006469

6/12 V

MASX 6

4 - MAS 6

IB 1006470

6/12 V

MASX 7

4 - MAS 7

IB 1006471

6/12 V

MASX 9

4 - MAS 9

IB 1006472

MASX 10 R

2 - MAS 10 R

IB 1004722

MASX 11

4 - MAS 11

IB 1004723

24 V

MASX 12

4 - MAS 12

IB 1004724

12 V

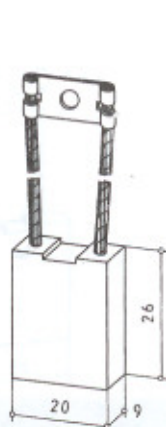
MASX 13-14

2 - MAS 13

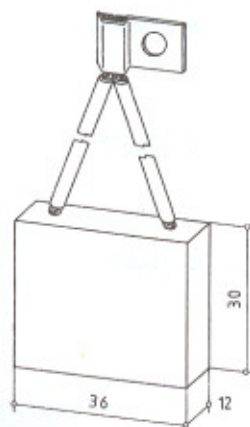
2 - MAS 14

IB 1004725

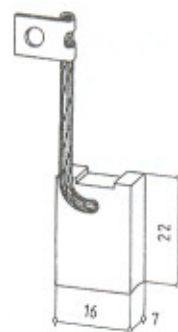
24 V



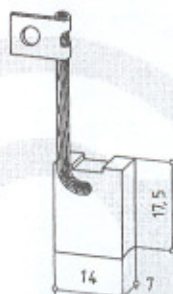
MAS 3



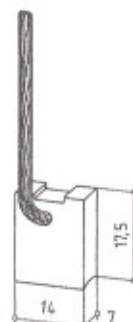
MAS 4



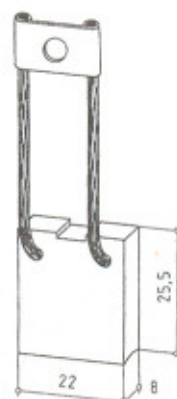
MAS 5



MAS 6



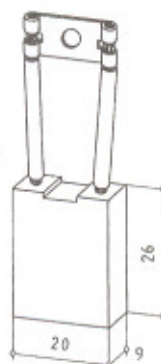
MAS 7



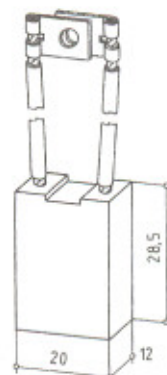
MAS 9



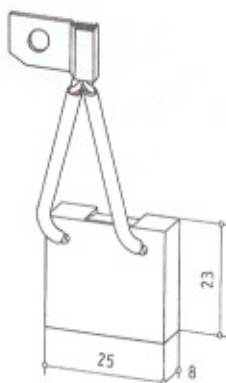
MAS 10 R



MAS 11



MAS 12



MAS 13



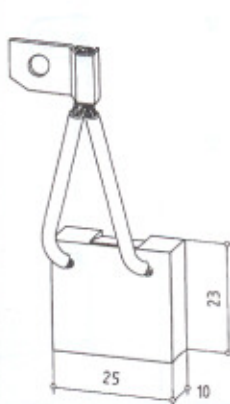
MAS 14

MASX 15-16

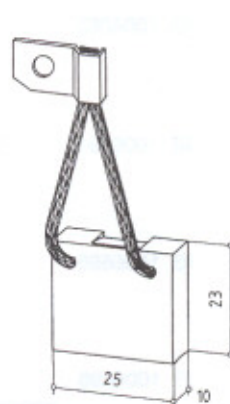
2 - MAS 15
2 - MAS 16

IB 1004726

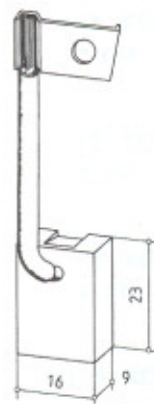
12 V



MAS 15



MAS 16



MAS 17, MAS 19

MASX 17-18

2 - MAS 17
2 - MAS 18

IB 1004727

12 V

MASX 19-20

2 - MAS 19
2 - MAS 20

IB 1004728

24 V

MASX 21-22

2 - MAS 21
2 - MAS 22

IB 1004729

24 V

MASX 23-24

2 - MAS 23
2 - MAS 24

IB 1004730

12 V

MASX 25-26

2 - MAS 25
2 - MAS 26

IB 1004731

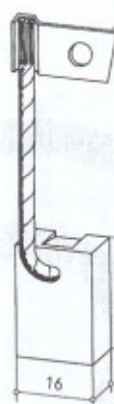
12 V

MASX 27-28

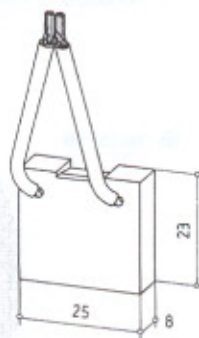
2 - MAS 27
2 - MAS 28

IB 1004732

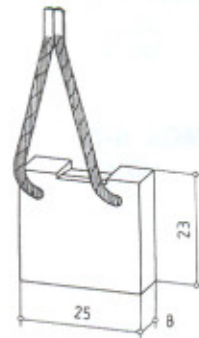
24 V



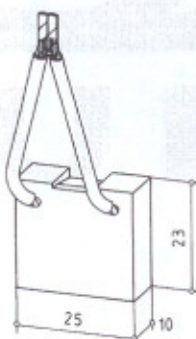
MAS 18, MAS 20



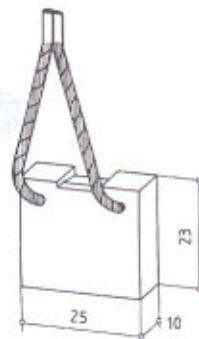
MAS 21



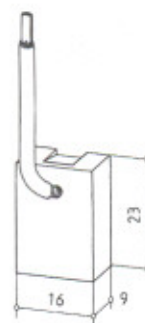
MAS 22



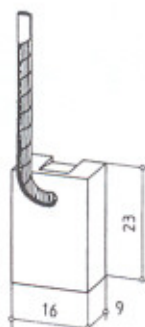
MAS 23



MAS 24



MAS 25, MAS 27



MAS 26, MAS 28

MOX 1
2 - MO 1

IB 1004085

6 V

MOX 2
2 - MO 2

IB 1006694

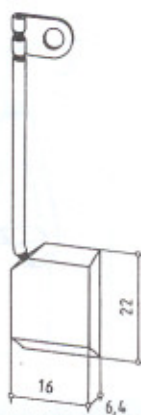
12 V

MOX 3
2 - MO 3

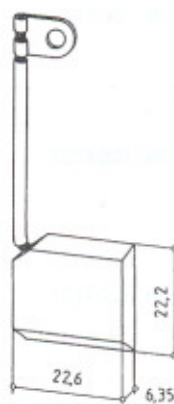
IB 1006695

MOX 4 (2)
2 - MO 4

IB 1006696



MO 1, MO 2, MO 4



MO 3



MO 5

MOX 4 (4)
4 - MO 4

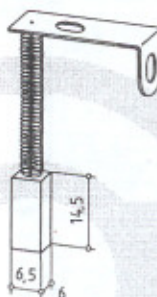
IB 1006697

MOX 4-5
1 - MO 4
1 - MO 5

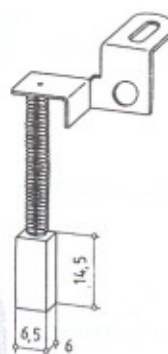
IB 1006698

MOX 6-7
1 - MO 6
1 - MO 7

IB 1006659



MO 6



MO 7

MOSX 1-2

2 - MOS 1
2 - MOS 2

IB 1003938

MOSX 3

4 - MOS 3

IB 1004774

MOSX 4

4 - MOS 4

IB 1004775

MOSX 5-6

4 - MOS 5
4 - MOS 6

IB 1004250

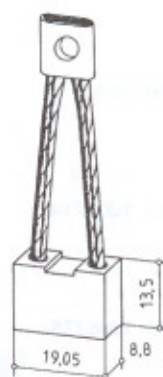
MOSX 44

4 - MOS 44

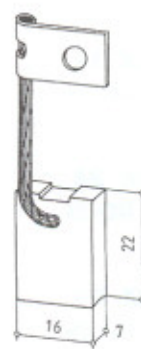
IB 1017125



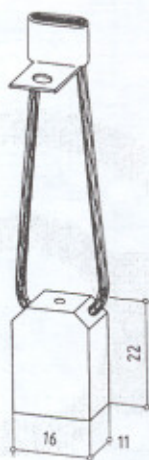
MOS 1



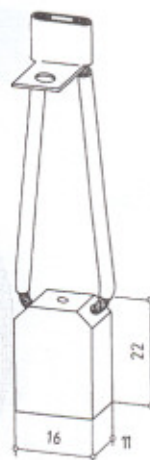
MOS 2, MOS 4



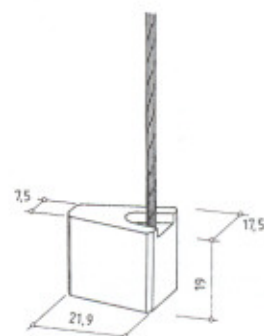
MOS 3



MOS 5



MOS 6



MOS 44

NOX 15

2 - NO 15

IB 1006712

6 V**NOX 16**

2 - NO 16

IB 1006713

6 V**NOX 24**

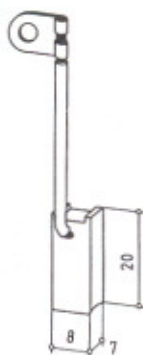
4 - NO 24

IB 1006714

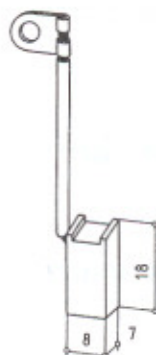
12 V**NOX 29**

2 - NO 29

IB 1006715

12 V

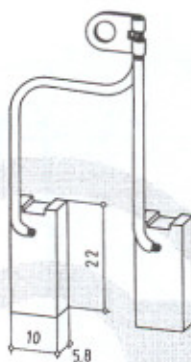
NO 15



NO 16



NO 24



NO 29

PLX 5
2 - PL 5

IB 1006699 12 V

PLX 6
2 - PL 6

IB 1006700 12 V

PLX 9
4 - PL 9

IB 1004088 12 V

PLX 10
2 - PL 10

IB 1006660

PLX 10-11
1 - PL 10
1 - PL 11

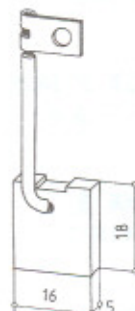
IB 1003934



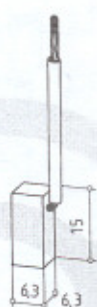
PL 5



PL 6



PL 9



PL 10



PL 11

PLSX 1 (2/4)

2/4 - PLS 1

IB 1004776

6/12 V

PLSX 2 (4/8)

4/8 - PLS 2

IB 1004777

12 V

PLSX 3

4 - PLS 3

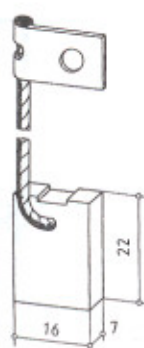
IB 1003901

12 V

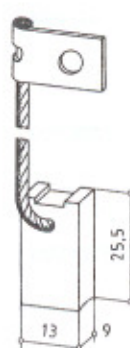
PLSX 4

4 - PLS 4

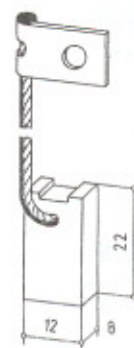
IB 1004202



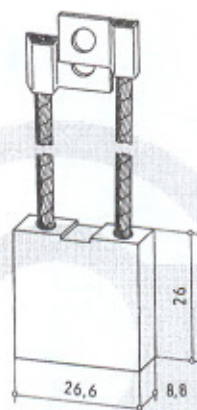
PLS 1



PLS 2



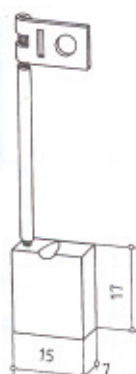
PLS 3



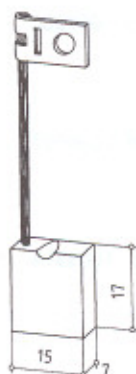
PLS 4

PX 31-321 - P 31
1 - P 32

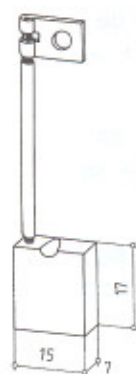
IB 1006701 12 V



P 31



P 32



P 33

PX 33

2 - P 33

IB 1006702 6 V

PX 35

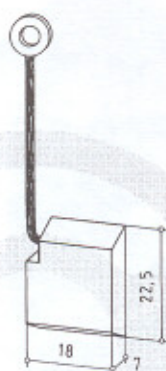
2 - P 35

IB 1006703 12 V

PX 37

2 - P 37

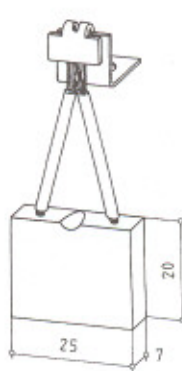
IB 1006704 12 V



P 35



P 37



P 40

PX 40

2 - P 40

IB 1006706 12/24 V

PX 41

2 - P 41

IB 1006707 12 V

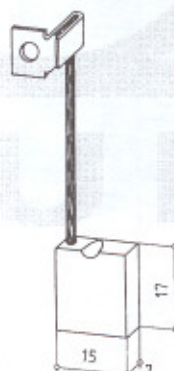
PX 43 = PX 53**PX 50**

2 - P 50

IB 1006661 6-24 V

PX 52-541 - P 52
1 - P 54

IB 1006662 12 V



P 41



P 50



P 52, P 56

PX 53

2 - P 53

IB 1006705 6/12 V

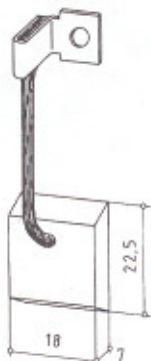
PX 55-561 - P 55
1 - P 56

IB 1006663

PX 56

2 - P 56

IB 1006664



P 53



P 54, P 55



P 57

PX 57

2 - P 57

IB 1006665

PX 58

2 - P 58

IB 1006666

PX 59

2 - P 59

IB 1006667

PX 60

2 - P 60

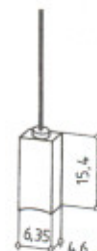
IB 1005314



P 58

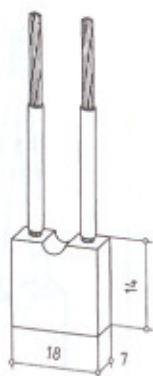
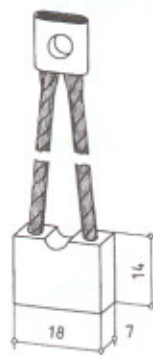


P 59

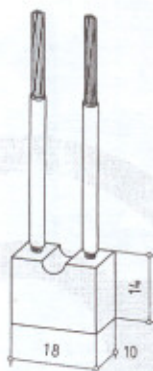


P 60

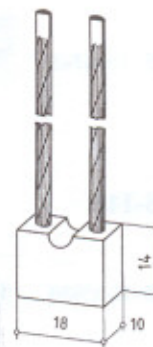
PSX 28-73 (2) 1 - PS 28 1 - PS 73	IB 1004733	12 V
PSX 28-73 (4) 2 - PS 28 2 - PS 73	IB 1004734	12/24 V
PSX 33-62 1 - PS 33 1 - PS 62	IB 1004735	6 V
PSX 33-72 (2) 1 - PS 33 1 - PS 72	IB 1004736	6 V
PSX 33-72 (4) 2 - PS 33 2 - PS 72	IB 1004737	6 V
PSX 35-36 1 - PS 35 1 - PS 36	IB 1003941	12/24 V
PSX 37-35 1 - PS 37 1 - PS 35	IB 1004739	12 V
PSX 37-58 1 - PS 37 1 - PS 58	IB 1004740	12 V
PSX 37-71 = PSX 115-116		
PSX 37-92 1 - PS 37 1 - PS 92	IB 1004741	12 V
PSX 44-75 = PSX 119-120		
PSX 54-69 1 - PS 54 1 - PS 69	IB 1004742	6 V
PSX 55-76 1 - PS 55 1 - PS 76	IB 1004743	6/12 V

PS 28, PS 33,
PS 37PS 35, PS 58,
PS 62

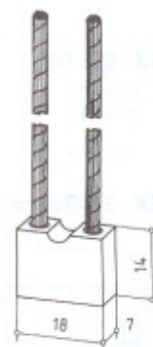
PS 36



PS 54, PS 55



PS 69, PS 76



PS 72, PS 73



PS 92

PSX 64-70 (2) IB 1004744 12 V

1 - PS 64
1 - PS 70

PSX 64-70 (4) IB 1004745 12 V

2 - PS 64
2 - PS 70

PSX 64-95 (2) IB 1004746 12 V

1 - PS 64
1 - PS 95

PSX 64-95 (4) IB 1004747 12 V

2 - PS 64
2 - PS 95

PSX 65-74 IB 1004748 24 V

2 - PS 65
2 - PS 74

PSX 71-92 = PSX 115-116

PSX 77-78 (2) IB 1003939 12/24 V

1 - PS 77
1 - PS 78

PSX 77-78 (4) IB 1004749 12/24 V

2 - PS 77
2 - PS 78

PSX 79-80 = PSX 115-116

PSX 81-82 IB 1004750 12 V

2 - PS 81
2 - PS 82

PSX 83-84 IB 1004751 24 V

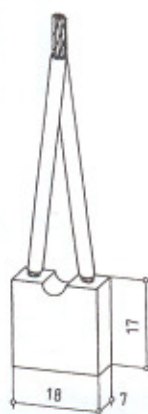
2 - PS 83
2 - PS 84

PSX 84-104-105 IB 1006101

2 - PS 84
1 - PS 104
1 - PS 105

PSX 85 IB 1004752 24 V

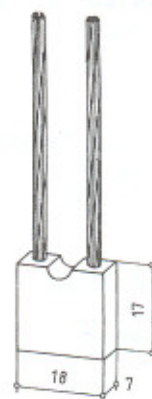
4 - PS 85



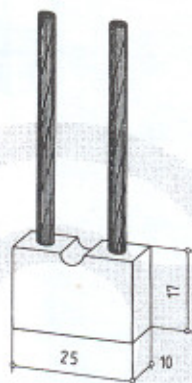
PS 64, PS 95



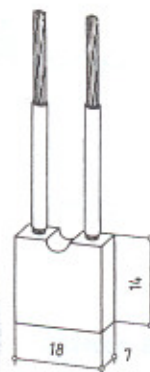
PS 65, PS 82,
PS 84, PS 105



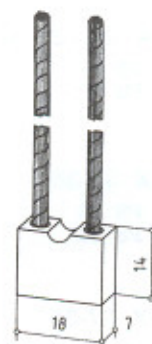
PS 70



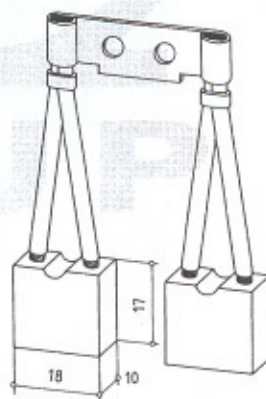
PS 74, PS 81,
PS 83



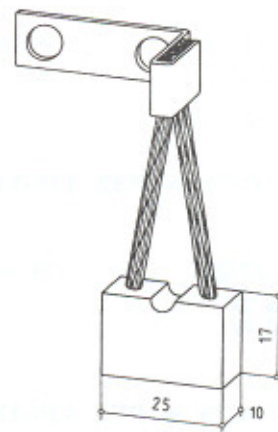
PS 77



PS 78



PS 85



PS 104

PSX 88

4 - PS 88

IB 1004753

24 V

PSX 91-100 = PSX 115-116**PSX 91-110**1 - PS 91
1 - PS 110

IB 1004754

12 V

PSX 94-101 = PSX 115-116**PSX 96-97**2 - PS 96
2 - PS 97

IB 1004755

12 V

PSX 98-992 - PS 98
2 - PS 99

IB 1004756

12 V

PSX 100-102 = PSX 115-116**PSX 100-111 = PSX 115-116****PSX 106-107**1 - PS 106
1 - PS 107

IB 1004757

12 V

PSX 108-109 = PSX 119-120**PSX 112**

4 - PS 112

IB 1004758

24 V

PSX 113-1142 - PS 113
2 - PS 114

IB 1004759

24 V

PSX 115-1161 - PS 115
1 - PS 116

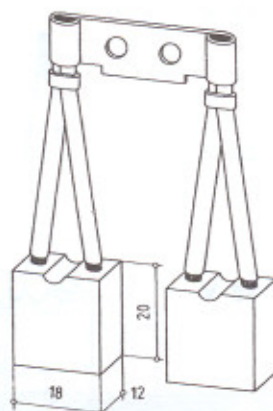
IB 1004760

12 V

PSX 115-116-1212 - PS 115
2 - PS 116

IB 1004761

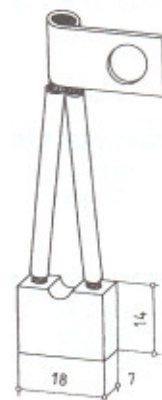
12 V



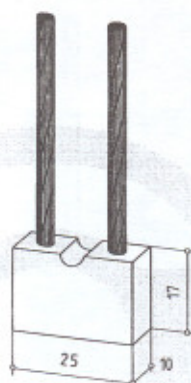
PS 88



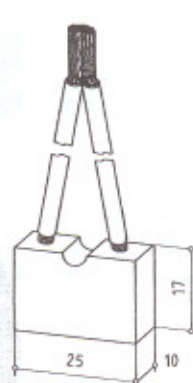
PS 91, PS 115



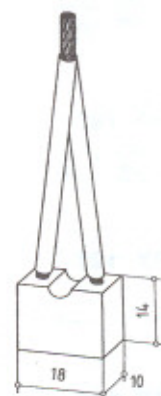
PS 110



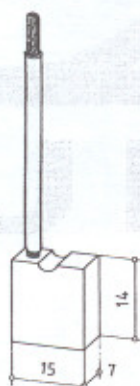
PS 96, PS 114



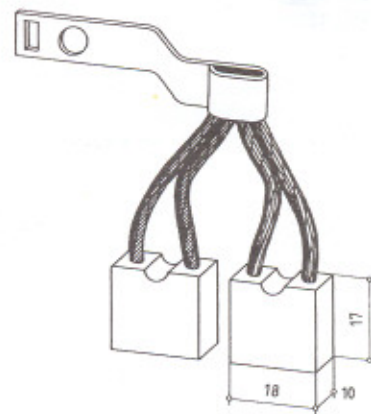
PS 97, PS 113



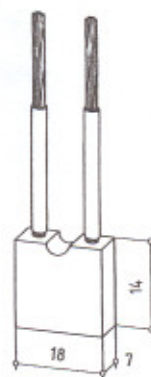
PS 98, PS 99



PS 106, PS 107



PS 112



PS 116

PSX 117-118

IB 1006102

12 V

2 - PS 117
2 - PS 118**PSX 119-120**

IB 1006103

12 V

1 - PS 119
1 - PS 120**PSX 122-123-124**

IB 1006098

12 V

1 - PS 122
1 - PS 123
1 - PS 124**PSX 125**

IB 1004762

12 V

2 - PS 125a
2 - PS 125b**PSX 126**

IB 1004763

12/24 V

1 - PS 126a
1 - PS 126b**PSX 127**

IB 1004764

12 V

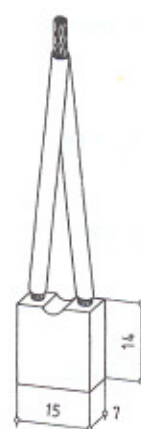
2 - PS 127a
2 - PS 127b**PSX 128**

IB 1004765

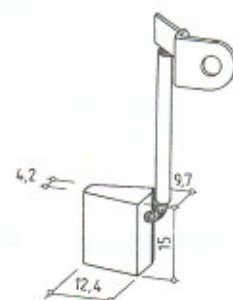
12 V

1 - PS 128a
1 - PS 128b
2 - PS 128c

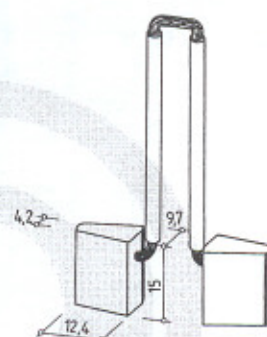
PS 117, PS 118



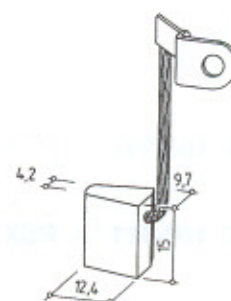
PS 119, PS 120



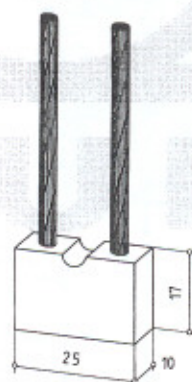
PS 123



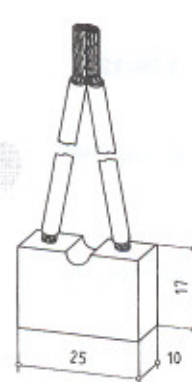
PS 122



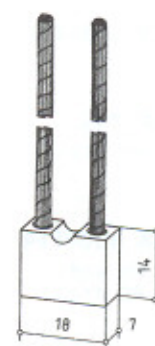
PS 124



PS 125 a



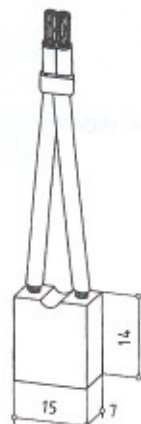
PS 125 b



PS 126 a



PS 126 b



PS 127 a, PS 127 b



PS 128 a, b, c

PSX 129

IB 1006099

12 V

- 1 - PS 129a
2 - PS 129b

PSX 130

IB 1006100

12 V

- 1 - PS 130a
1 - PS 130b
2 - PS 130c

PSX 131

IB 1003935

12 V

- 1 - PS 131a
1 - PS 131b

PSX 132

IB 1004766

12 V

- 2 - PS 132a
2 - PS 132b

PSX 133

IB 1003902

12 V

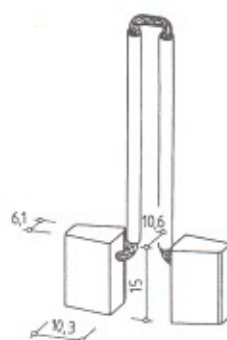
- 1 - PS 133a
1 - PS 133c

PSX 136-137

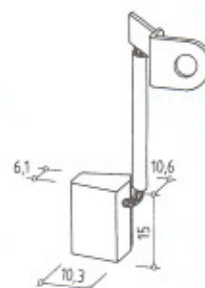
IB 1006104

12 V

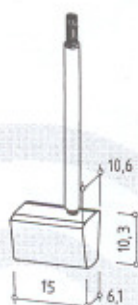
- 2 - PS 136
2 - PS 137



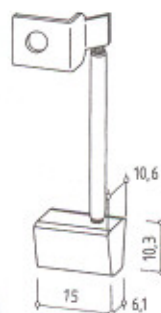
PS 129 a



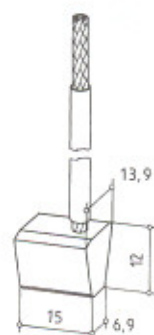
PS 129 b



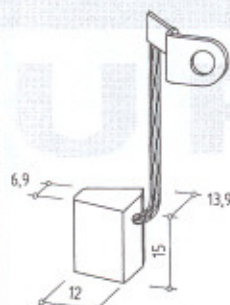
PS 130 a, PS 130 b



PS 130 c



PS 131 a, PS 133 a



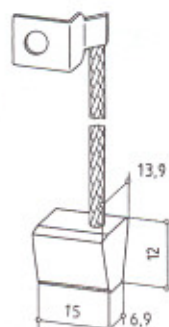
PS 131 b



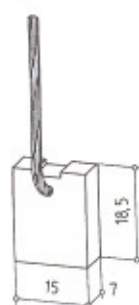
PS 132 a



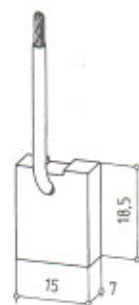
PS 132 b



PS 133 c



PS 136



PS 137

PSX 138-139

1 - PS 138
1 - PS 139

IB 1006105

12 V

PSX 140-141

2 - PS 140
2 - PS 141

IB 1006106

12 V

PSX 150-151

2 - PS 150
2 - PS 151

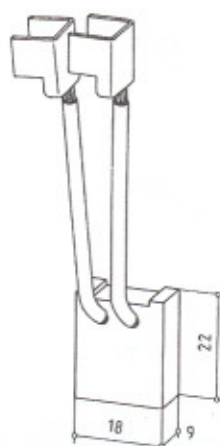
IB 1017126

12 V

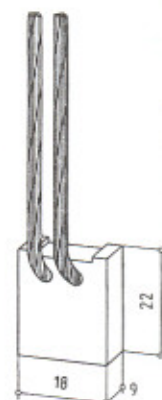
PSX 152-153

4 - PS 152
2 - PS 153

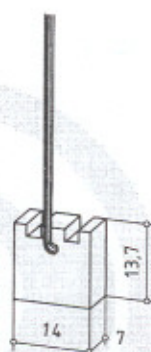
IB 1017127



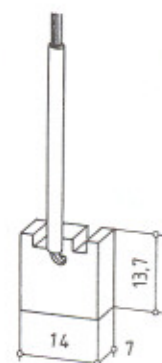
PS 138, PS 140



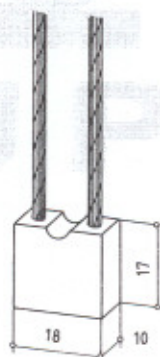
PS 139, PS 141



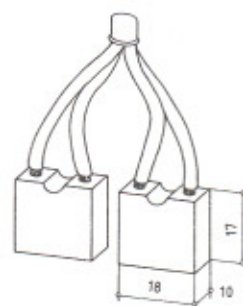
PS 150



PS 151



PS 152



PS 153

SVX 5
2 - SV 5

IB 1006668

12 V



SV 5

SVX 7
2 - SV 7

IB 1006669

12 V



SV 7

SVX 9
2 - SV 9

IB 1006670



SV 9

JAPANESE AUTOMOTIVE CARBON BRUSHES

JAPANISCHE AUTOKOHLLEN

ČETKICE ZA JAPANSKA MOTORNA VOZILA

FKX 303
2 - FK 303

IB 1017215

FKX 315
2 - FK 315

IB 1017216



FK 303



FK 315

FKSX 113-114
2 - FKS 113
2 - FKS 114

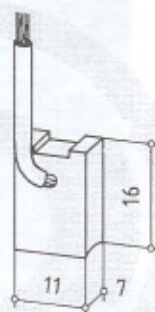
IB 1017223

FKSX 118-119
2 - FKS 118
2 - FKS 119

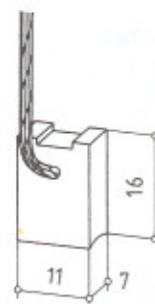
IB 1015584

FKSX 118-132
2 - FKS 118
1 - FKS 132

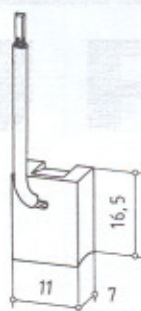
IB 1017224



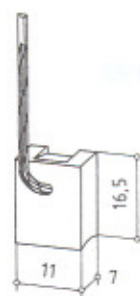
FKS 113



FKS 114



FKS 118

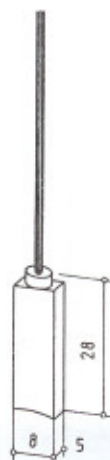


FKS 119,
FKS 132

FIX 364

2 - FI 364

IB 1017217



FI 364

FISX 023-0242 - FIS 023
2 - FIS 024

IB 1017225

FISX 025

4 - FIS 025

IB 1017226

FISX 027

4 - FIS 027

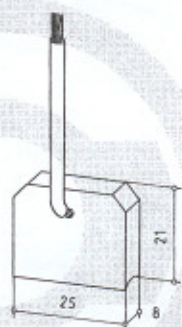
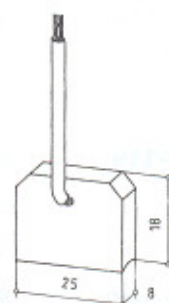
IB 1017227

FISX 167-1682 - FIS 167
2 - FIS 168

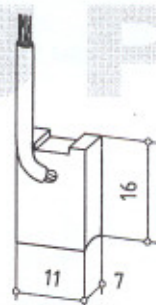
IB 1017228

FISX 192-1932 - FIS 192
2 - FIS 193

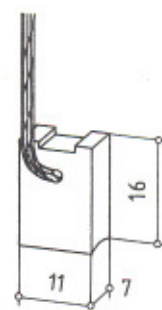
IB 1017229

FIS 023, FIS 024,
FIS 027

FIS 025



FIS 167, FIS 192



FIS 168, FIS 193

FMX 312

2 - FM 312

IB 1017218

FMX 315

2 - FM 315

IB 1017229



FM 312, FM 315

FMSX 101

4 - FMS 101

IB 1017230

FMSX 121

4 - FMS 121

IB 1017231

FMSX 135-136

2 - FMS 135

2 - FMS 136

IB 1017232

FMSX 159

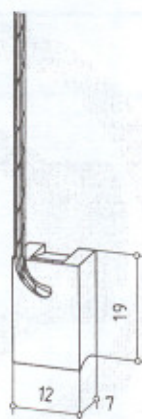
4 - FMS 159

IB 1017233

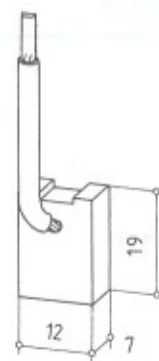
FMSX 164

4 - FMS 164

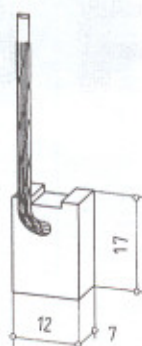
IB 1017234



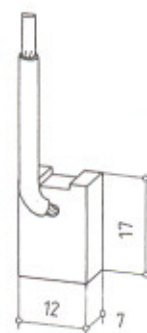
FMS 101



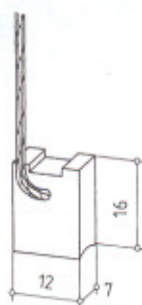
FMS 121



FMS 135



FMS 136, FMS 164



FMS 159

FJX 324

2 - FJ 324

IB 1016016

FJX 342

2 - FJ 342

IB 1017220

FJX 343

2 - FJ 343

IB 1010685

FJX 346

2 - FJ 346

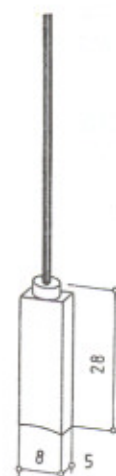
IB 1017221



FJ 324, FJ 342



FJ 343



FJ 346

MITSUBISHI
STARTER POKRETAČ
FJSX 138

4 - FJS 138

IB 1017235

FJSX 151-178

2 - FJS 151

2 - FJS 178

IB 1017236

FJSX 189

4 - FJS 189

IB 1017237

FJSX 190

2 - FJS 190

2 - FJS 190 is

IB 1013963

FJSX 195

4 - FJS 195

IB 1017238

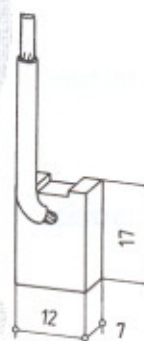
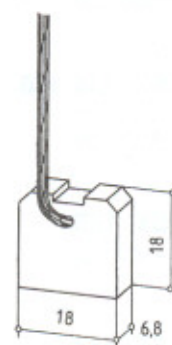
FJSX 200

4 - FJS 200

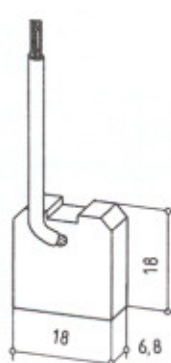
IB 1017239



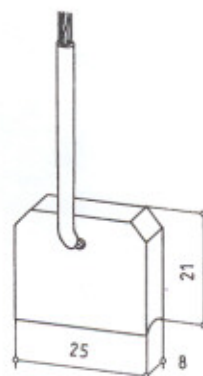
FJS 138


 FJS 151, FJS 178,
FJS 189, FJS 200


FJS 190



FJS 190 is



FJS 195

FNX 330

IB 1009476

2 - FNX 330

FNX 343

IB 1017220

2 - FNX 343

FNX 352

IB 1010684

2 - FNX 352



FN 330



FN 343, FN 352

NISSAN (DATSUN)
STARTER POKRETAČ
FNSX 027

IB 1017240

4 - FNS 027

FNSX 028

IB 1017241

4 - FNS 028

FNSX 124-125

IB 1013303

2 - FNS 124

2 - FNS 125

FNSX 138-139/0

IB 1013257

2 - FNS 138/0

2 - FNS 139/0

FNSX 138-139

IB 1009475

2 - FNS 138

2 - FNS 139

FNSX 140-005

IB 1004738

2 - FNS 140

2 - FNS 005

FNSX 140-141

IB 1009474

2 - FNS 140

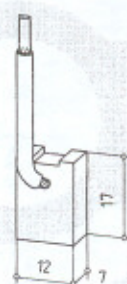
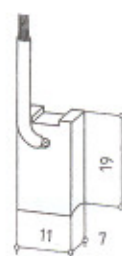
2 - FNS 141

FNSX 145-178

IB 1017242

2 - FNS 145

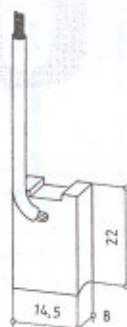
2 - FNS 178


 FNS 027, FNS 028,
FNS 145, FNS 178


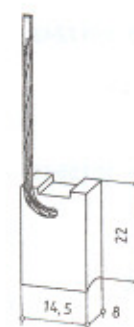
FNS 124



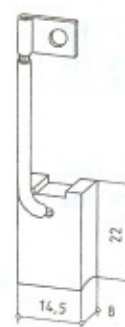
FNS 125



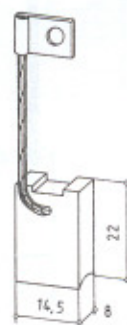
FNS 138/0



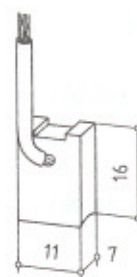
FNS 139/0



FNS 138



FNS 139



FNS 140



FNS 141, FNS 005

FTX 305

2 - FT 305

IB 1010098

FTX 313

2 - FT 313

IB 1010093



FT 305



FT 313

TOYOTA

STARTER POKRETAČ

FTSX 102 = FTSX 104**FTSX 104**

4 - FTS 104

IB 1009472

FTSX 114 = FTSX 116**FTSX 115 = FTSX 116****FTSX 116**

4 - FTS 116

IB 1015560

FTSX 117 = FTSX 104**FTSX 118**2 - FTS 118
2 - FTS 118 is

IB 1017243

FTSX 124

4 - FTS 124

IB 1015564

FTSX 127 = FTSX 124**FTSX 128**

4 - FTS 128

IB 1005971

FTSX 129 = FTSX 124**FTSX 130**

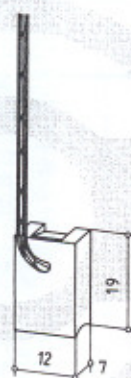
4 - FTS 130

IB 1017244

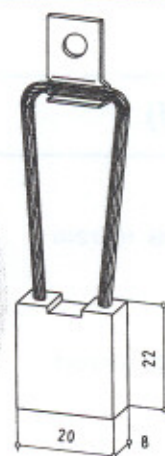
FTSX 133

4 - FTS 133

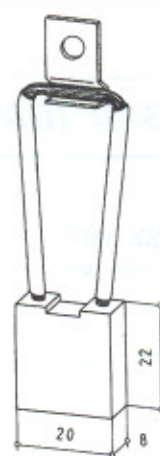
IB 1013983



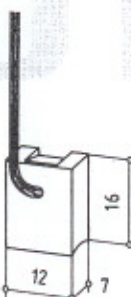
FTS 104



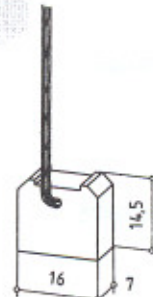
FTS 118



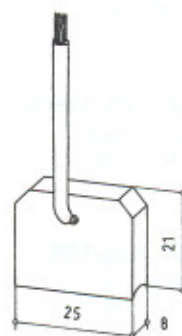
FTS 118 is



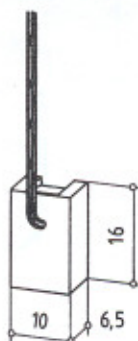
FTS 116



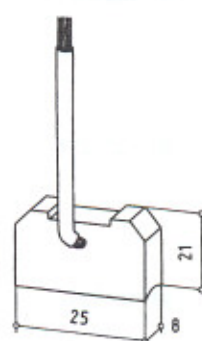
FTS 124



FTS 128



FTS 130



FTS 133

UPUTE ZA NARUČIVANJE

Za naručivanje se koristi:

1. Međunarodna oznaka seta četkica za dinamo, alternator ili pokretač sa identifikacijskim brojem (IB) TUP-a.
2. Ukoliko se tražena četkica ne nalazi u katalogu molimo da dostavite uzorak ili skicu, te podatke o vozilu, da bi mogli odrediti o kojoj se četkici radi.

ORDERING INSTRUCTIONS

To make the order use:

1. International mark for the set of brushes for dynamo, alternator or starter with TUP's identification number (IB).
2. In case the wanted brush is not found in the catalogue, please send sample or drawing of it, and more details about the vehicle in order to identify the brush.



Europe

Croatia



TUP d.d.

**Tvornica ugljenografitnih i
elektrokontaktnih proizvoda**

Adresa:

Svetog Križa 3, 20000 Dubrovnik, Hrvatska

Tel: (++385 20) 313-820, 313-825

Fax: (++385 20) 419-127

E-mail: tup@du.t-com.hr

TUP d.d.

**The factory of carbon graphite and
electro-contact products**

Address:

Svetog Križa 3, 20000 Dubrovnik, Croatia

Tel: (++385 20) 313-820, 313-825

Fax: (++385 20) 419-127

E-mail: tup@du.t-com.hr

Predstavništvo / Agency

Heinzlova 47/A, 10000 Zagreb, Croatia

Tel: (++385 1) 210-204

Fax: (++385 1) 210-018



Dubrovnik