

Spare-parts catalog

CMS 822 (Type 632)

Component type 000

E5|E7|E8|E5m.4|E7m.5|E7m.8|E8m.7|E2,5.2 k&w|E3,5.2 k&w|E5.2 k&w|E2,5.2 mg|E3,5.2 mg|E5.2 mg

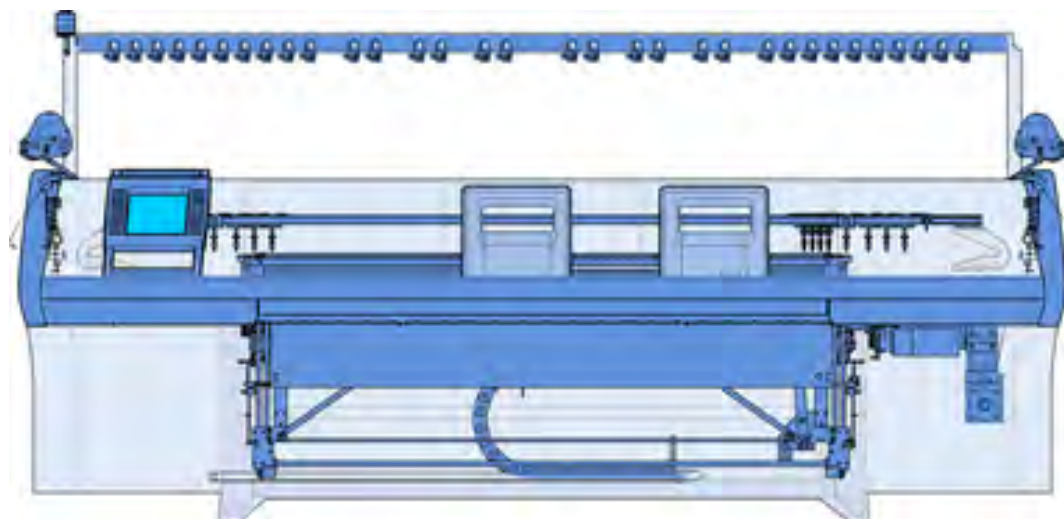


Table of contents

1	Introduction	9
1.1	Search help	10
1.2	Torques	11
2	Carriage drive	13
2.1	Drive	14
2.1.1	Motor and belt drive	15
2.1.2	Tension bearing	16
2.2	Energy chain and plunger	17
3	Racking	19
3.1	Racking drive	20
4	Needle beds	21
4.1	Needle bed E5	22
4.1.1	Continuation needle bed E5	23
4.2	Needle bed E7	24
4.2.1	Continuation needle bed E7	25
4.3	Needle bed E8	26
4.3.1	Continuation needle bed E8	27
4.4	Needle bed E5m.4	28
4.4.1	Continuation needle bed E5m.4	29
4.5	Needle bed E7m.5	30
4.5.1	Continuation needle bed E7m.5	31
4.6	Needle bed E7m.8	32
4.6.1	Continuation needle bed E7m.8	33
4.7	Needle bed E8m.7	34
4.7.1	Continuation needle bed E8m.7	35
4.8	Needle bed E2,5.2 k&w	36
4.8.1	Continuation needle bed E2,5.2 k&w	37
4.9	Needle bed E3,5.2 k&w	38
4.9.1	Continuation needle bed E3,5.2 k&w	39
4.10	Needle bed E5.2 k&w	40
4.10.1	Continuation needle bed E5.2 k&w	41
4.11	Needle bed E2,5.2 mg	42
4.11.1	Continuation needle bed E2,5.2 mg	43
4.12	Needle bed E3,5.2 mg	44
4.12.1	Continuation needle bed E3,5.2 mg	45
4.13	Needle bed E5.2 mg	46
4.13.1	Continuation needle bed E5.2 mg	47
4.14	Needle beds, fixing elements	48
4.15	Left clamping/cutting bed	49
		3

4.16	Clamping/cutting bed on the right	50
4.17	Cover on the left and on the right	51
4.18	Connection measuring bar	52
5	Tandem carriage	53
5.1	Overview of carriage	54
5.1.1	Carriage components	55
5.1.2	Carriage	56
5.1.3	Carriage cover	57
5.1.4	Carriage coupling	58
5.1.5	Brush holder	59
5.1.6	Yarn carrier driving without guiding part	60
5.1.7	Yarn carrier driving with guiding part	61
5.1.8	Holding-down jack control	62
5.1.8.1	Jack cam box E5 + E5m.4 + E2,5.2 + E3,5.2kw	63
5.1.8.2	Jack cam box E7 + E8 + E7m.5 + E7m.8 + E8m.7 + E3,5.2mg + E5.2mg	64
5.1.8.3	Jack cam box E5.2 kw	65
5.1.8.4	Support complete	66
5.1.8.5	Control unit holding-down jacks	67
5.1.9	Needle detector	68
5.1.10	Cam box E5 E5m.4 E7m.5 E2,5.2 E3,5.2kw E5.2	69
5.1.10.1	Cams E5 E5m.4 E7m.5 E2,5.2 E3,5.2kw E5	70
5.1.10.2	Cams for narrow coupling E5 + E7 + E8 + E5m.4 + E7m.5 + E7m.8 + E8m.7 + E2,5.2 + E3,5.2 + E5.2	71
5.1.11	Cam box E7 E8 E7m.8 E8m.7	72
5.1.11.1	Cams E7 + E8 + E7m.8 + E8m.7	73
5.2	Spare parts package carriage guide rail	74
6	Main take-down	75
6.1	Main take-down	76
6.2	Main take-down on the left	

7.1	Auxiliary take-down	92
7.1.1	Auxiliary take-down pre-assembled	93
7.1.1.1	Contact lever	94
7.1.1.2	Take-down roller	95
7.1.1.3	Left bearing of the auxiliary take-down	96
7.1.1.4	Right bearing of the auxiliary take-down	97
7.1.2	Motor	98
7.2	Yarn brake at clamping/cutting bed	99
8	Comb take-down	101
8.1	Comb take-down	102
8.1.1	Comb take-down on the left	103
8.1.2	Comb take-down on the right	104
8.1.2.1	Drive shaft of comb	105
8.1.2.2	Swivel lever comb take-down	106
8.1.3	Comb take-down in the middle	107
8.1.3.1	Comb unit	108
8.1.3.1.1	Switch lever comb take-down	109
9	Yarn delivery device	111
9.1	Yarn guide system with 26 FKE	112
9.2	Yarn guide system with 32 FKE	113
9.3	Yarn control unit	114
9.4	Left yarn guide	115
9.4.1	Left yarn tensioner	116
9.4.2	Yarn brake and yarn deflector	117
9.4.3	Left tension axle	118
9.5	Right yarn guide	119
9.5.1	Right yarn tensioner	120
9.5.2	Right tension axle	121
9.6	Bobbin board	122
9.7	Yarn carrier and guide rails	123
9.8	Complete yarn carriers	124
9.9	Left friction feed wheel	

11.2	Starting unit	135
11.2.1	Bearing of the engaging rod	136
11.3	Signal light	137
11.4	Collecting area - control	138
11.5	Shock stop motion	139
11.6	Measuring device	140
12	Protective units	141
12.1	Lateral safety covers	142
12.2	Panelling	143
12.3	Rear panel	144
13	Electrical equipment	145
13.1	Fuses	146
13.2	Circuit diagram (221) as PDF	147
13.3	Trailing cable	148
13.4	Cable	149
13.5	Continuation of cable I	150
13.6	Continuation of cable II	151
14	Control electronics	153
14.1	Left control cabinet	154
14.2	Right control cabinet	155
15	Deliverable accessories	157
15.1	Fuses	158
15.2	Tool	159
15.3	Lubricating stuff	160
15.4	Mechanical parts	161
16	Special attachments	163
16.1	Complete intarsia yarn carriers type 1	164
16.1.1	Carriage IYC	165
16.1.2	Bow and head IYC	166
16.2	Complete intarsia yarn carriers type 2	167
16.3	Plating yarn carrier 3+6	168
16.4		

16.10 Bobbin holder on the left	175
16.11 Bobbin holder on the right	176
16.12 Additional board at the bottom	177
17 Conversion kit with 24 and 32 IFF Type 2	179
17.1 Overview of conversion kit (24 IFF) E5 E2,5.2 E3,5.2 E5.2	180
17.2 Overview of conversion kit (24 IFF) E7 E8	181
17.3 Overview of conversion kit (32 IFF) E5 E2,5.2 E3,5.2 E5.2	182
17.4 Overview of conversion kit (32 IFF) E7 E8	183
17.5 Parts for the left safety cover	184
17.5.1 Yarn tensioner on the left	185
17.5.1.1 Tension axle	186
17.5.2 Deflector on the left	187
17.5.3 Yarn brake	188
17.6 Parts for the right safety cover	189
17.6.1 Yarn tensioner on the right	190
17.6.2 Deflector on the right	191
17.7 Parts for the yarn guide system	192
17.8 Friction feed wheel on the left and on the right co.	193
17.8.1 Friction feed wheel on the left	194
17.8.2 Friction feed wheel on the right	195
17.9 Thread deflector on the left	196
17.10 Yarn deflector on the right	197
17.11 Left clamping/cutting bed	198
17.12 Clamping/cutting bed on the right	199
17.13 Additional board	200
17.14 Yarn guide complete (24 IFF) E5 E2,5.2 E3,5.2 E5.2	201
17.15 Yarn guide complete (24 IFF) E7 E8	202
17.16 Yarn guide complete (32 IFF) E5 E2,5.2 E3,5.2 E5.2	203
17.17 Yarn guide complete (32 IFF) E7 E8	204

1 Introduction

Imprint

All rights reserved.

The utilisation of texts and pictures, also in extracts, without our agreement is unfavourable to the copyright.

Our products are being developed further continuously. They are therefore subject to technical modifications.

The indications of this catalog are without liability.

©

H. Stoll GmbH & Co.KG

Stollweg 1

D-72760 Reutlingen, Germany

Phone: +49 (07121) 313-289

Fax: +49 (07121) 313-347

e-mail: spareparts@stoll.com

Notes for the order

This catalog serves to order spare parts.

It can only be applied to the machine type recorded on the title page.

When ordering spare parts we imperatively ask for the following indications as otherwise a delivery of spare parts is not possible:

1. Type of machine, gauge, no. of machine.
2. Page no., designation, ID, quantity.

Only genuine STOLL spare parts may be used for repairs.

1.1 Search help

In order to make the search of the spare parts easier, the following elements will be used in the spare parts catalog:

Symbol	Meaning
Σ	Indicates an assembly
	Position indicator with the position number (X).
	Indicates an element of another assembly.
	Indicates an assembly which is represented more detailed beside.
	Indicates an assembly which is represented on another page more detailed.
	Screw torques (z) deviating from the preferential row.
	Detail, represented enlarged in the direction of the arrow.
	Explosion representation, single elements enlarged.
	Indicates a group of parts.
	Indicates the left-hand side or view.
	Indicates the right-hand side or view.
	Indicates a section or a view in the viewing direction.

1.2 Torques

Drehmomente Torques Couples Coppias Momentos de rotación		Festigkeitsklassen Property class Classes de résistance Classi di resistenza Clasas de resistencia		
[Nm] ± 10 % (für $\mu_{\text{ges}} = 0,12$)		4,8	8,8	12,9
Regelgewinde Coarse-pitch thread Filetage à pas gros Filatto regolatore Filete regulador	M3	0,6	1,2	2,5
	M4	1,2	2,5	5
	M5	2,5	5	9
	M6	5	9	18
	M8		18	40
	M10		40	
	M12		80	

Preferential row of screw torques

- Torques are **valid for**:
Connection steel-steel, black, phosphatized, galvanized, rolled or cut thread as well as only for plain (head) supports.
- Torques are valid for:
protected screws with: lock washers, rib heads, coated and clamping screws and nuts. They are also not used for self-grooving threads.
- Torques differing from this preferential row of torques must be taken from the corresponding location in the drawings.

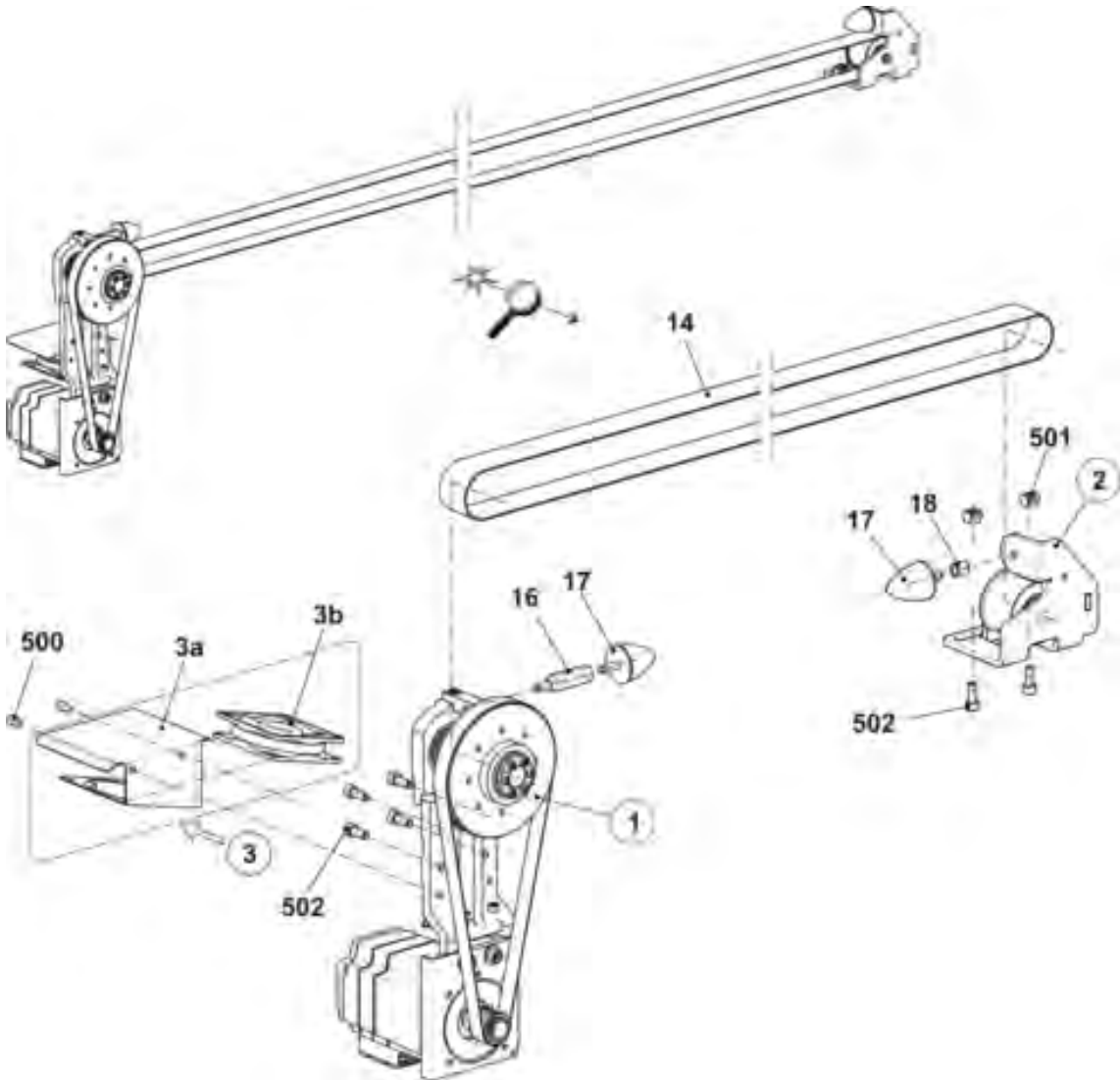
Notes:

2 Carriage drive



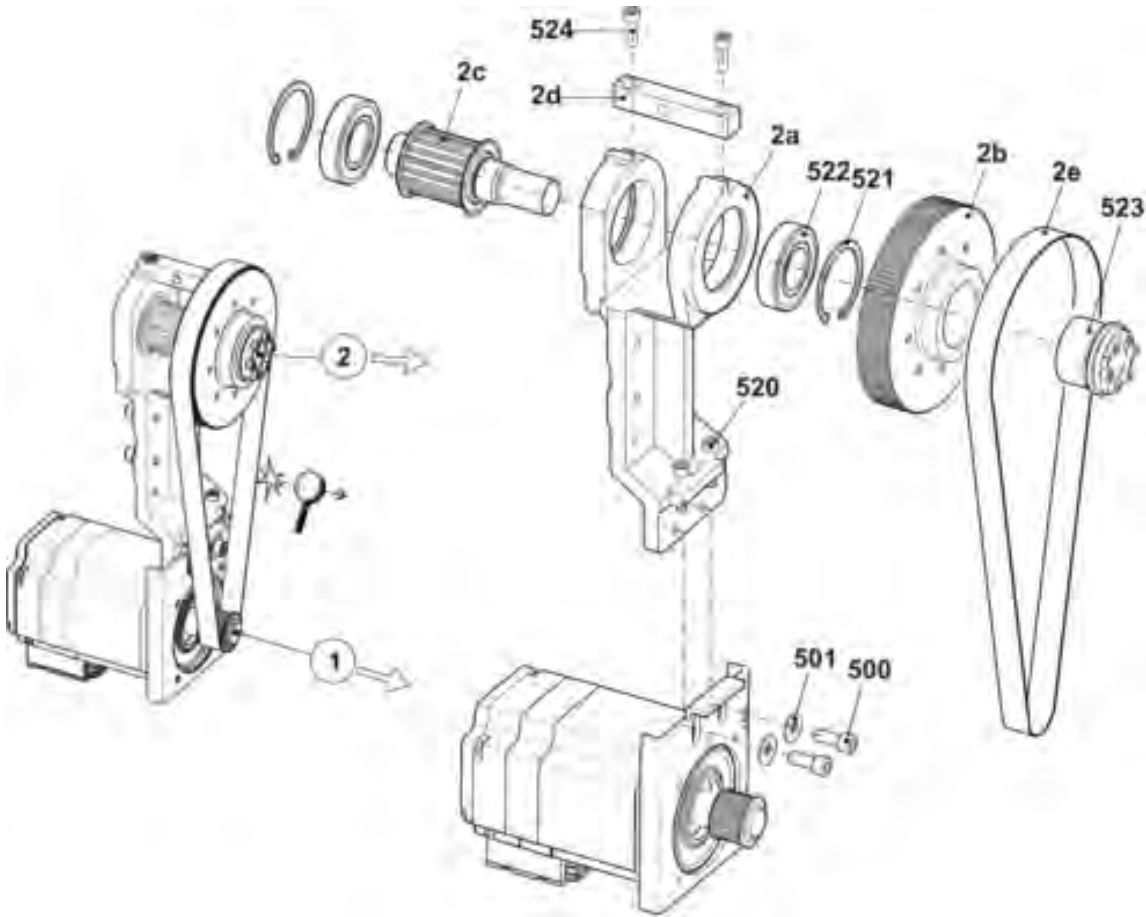
2.1 Drive

Pos	Designation		ID		Pos	Designation		ID
Σ	Drive unit							
1	Drive unit complete		240 743		16	Hexagon bolt		238 922
2	Tension bearing complete		251 581		17	Parabolic spring		200 661
3	Fan complete		242 413		18	Spacer pipe		222 099
	3a	Fan plate drive motor	241 823		500	Cap screws M8x12		023 138
	3b	Fan complete ⁵¹²	213 722		501	Sliding nut M10X12		023 471
14	Toothed belt ^{50AT10/7150}		236 656		502	Cap screw M10X25		020 157



2.1.1 Motor and belt drive

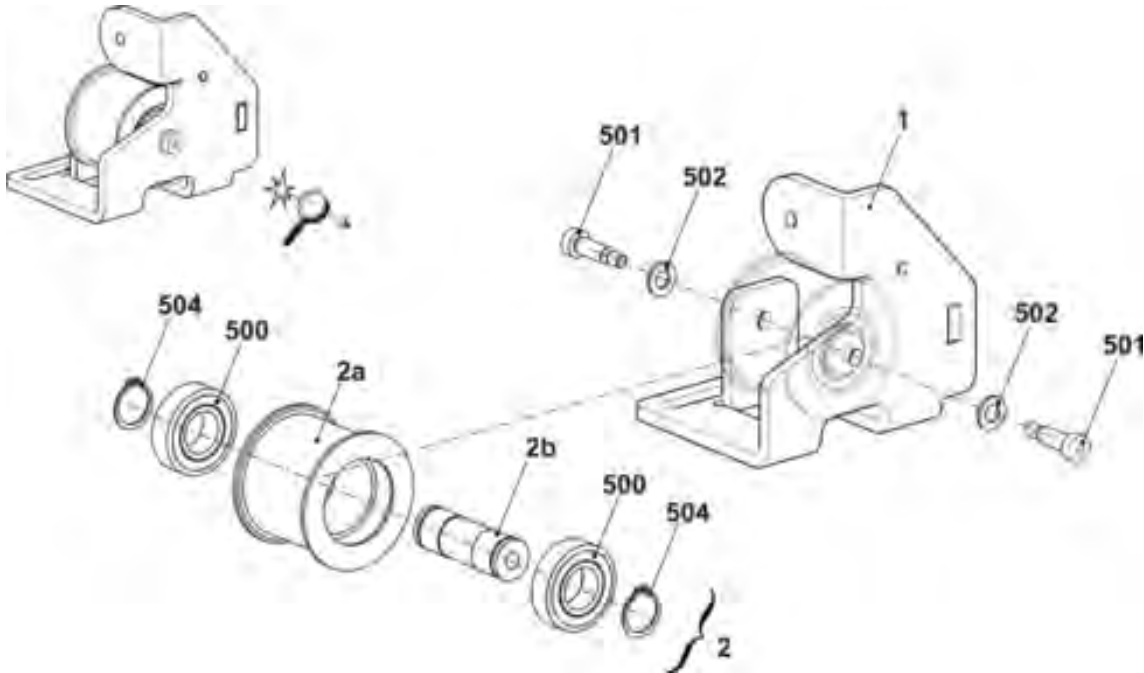
Pos	Designation	Id		Pos	Designation	Id	
Σ	Drive unit complete	240 743					
1	Drive unit	256 301		2d	Support of buffer	222 100	
500	Cap screwM10X25	020 157		2e	Toothed belt250 HP-S5M 1050 NG	240 628	
501	Disk10,5X25X2,5	022 178		520	Cap screwM8X35	020 144	
2	Drive bearing complete	240 742		521	Locking ring68x2.5	022 914	
	2a	Drive bearing		522	Grooved ball bearing 6207-2RS	022 915	
	2b	Toothed belt pulley		523	Tension set 30X55	023 208	
	2c	Pinion57 AT10 18		524	Cap screwM8X25 12.9	020 142	



2.1 Drive

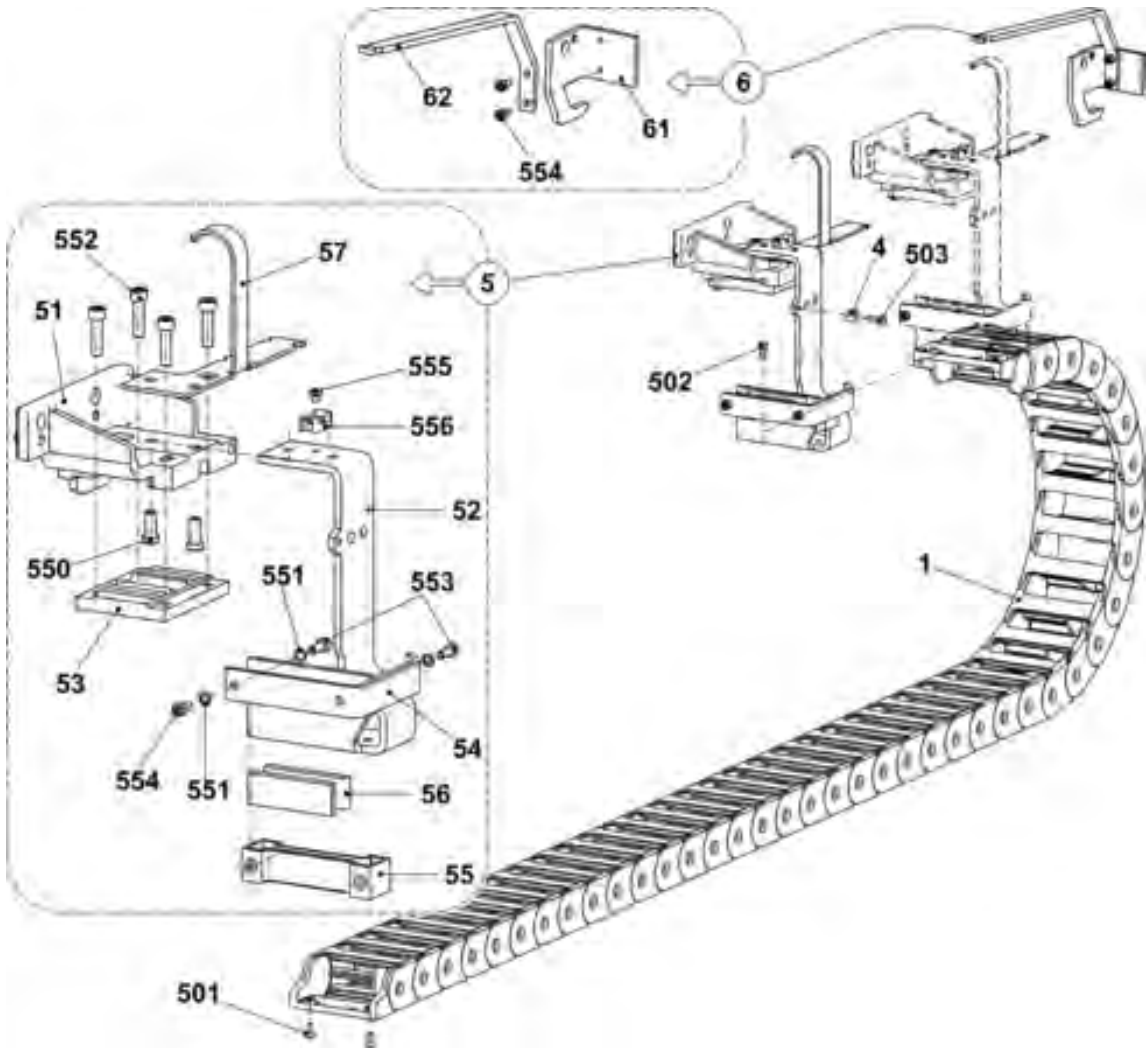
2.1.2 Tension bearing

Pos	Designation		Id		Pos	Designation		Id
Σ	Tension bearing complete		251 581					
1	Tension bearing		251 560			500	Grooved ball bearing 625-6305-2RS	255 686
2	Tension roller complete		256 640			504	Locking ring 471-25x1,2	251 617
	2a	Tension roller	255 684		501	Cap screw M10x25		023 751
	2b	Axle	251 579		502	U-washer		020 874



2.2 Energy chain and plunger

Pos	Designation	Id	Pos	Designation	Id
1	Energy chain 41 links	236 927	5	Continuation carriage driver complete	
4	Threaded spacer	214 584	550	Cap screw M8x20-8.8	023 621
501	Cap screw M6x8	023 411	551	CirclipS6	022 752
502	Cap screw M6x12	020 134	552	Cap screw M8x30	020 143
503	Cap screw M6x16	020 135	553	Cap screw M6x16	020 135
5	Carriage driver complete	242 803	554	Cap screw M6x12	020 134
51	Carriage driver 2 cam box	242 255	555	Pan-head screw M5x6	023 284
52	Cable driver	251 262	556	Fixing element	026 489
53	Clamping plate	226 111	6	Stop point complete	242 776
54	Cover strip	230 698	61	Stop point	242 528
55	Cable holder	204 688	62	Cable holder	244 330
56	Cellular caoutchouc black	202 597	554	Cap screw M6x12	020 134
57	Retaining plate	226 129			



2.2 Energy chain and plunger

Notes:

3 Racking



3.1 Racking drive

3.1 Racking drive

Pos	Designation	Id	Pos	Designation	Id
Σ	Racking				
1	Racking motor complete	258 192	504	Cap screw M5x12	020 132
2	Bearing	227 605	505	U-washer	022 175
3	Spindle bearing complete	253 262	507	Shim 0,03x11x80	023 286
4	Card racking limit switch	229 396	508	Shim 0,05x11x80	023 287
5	Racking cover plate	230 048	509	Shim 0,03x15x85	023 162
6	Racking strip	241 921	510	Shim 0,05x15x85	023 163
7	Racking strip on the left	240 696	511	Shim 0,1x15x85	023 164
8	Guide strip	206 382	512	Shim 0,2x15x85	023 170
9	Toothed belt 150 S 5M 490	229 281	518	Shim 0,03x15x75	023 395
13	Switch plate	240 722	519	Shim 0,05x15x75	023 396
19	Stop screw	221 386	520	Shim 0,1x15x75	023 397
20	Cover plate	232 544	521	Shim 0,2x15x75	023 398
21	Distance bolt	232 543	900	Cap screw M6x12	022 795
500	Cap screw M4x4	022 767	901	Countersunk screw M6x10	023 183
501	Cap screw M6X16	023 116	902	Cap screw M8x30	0

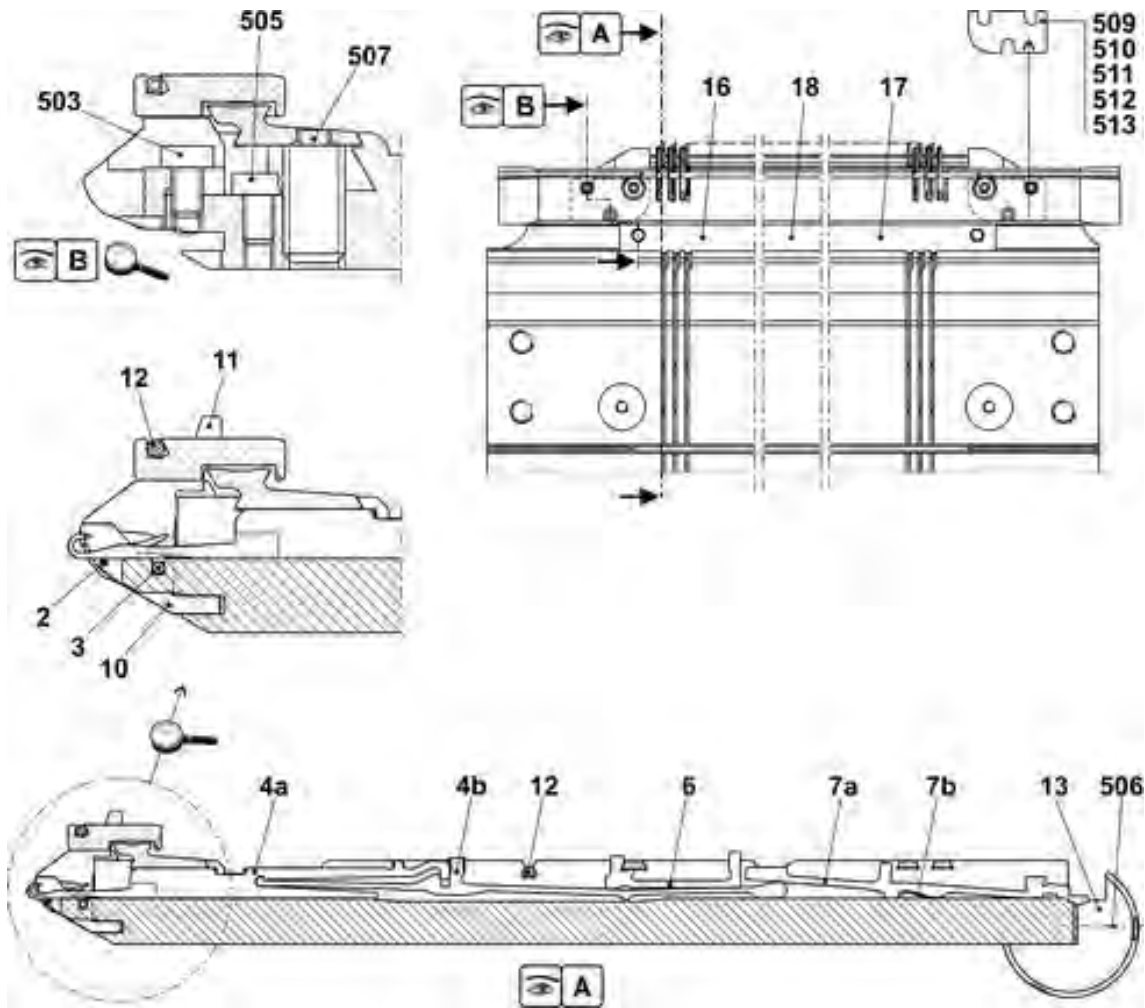
4 Needle beds



4.1 Needle bed E5

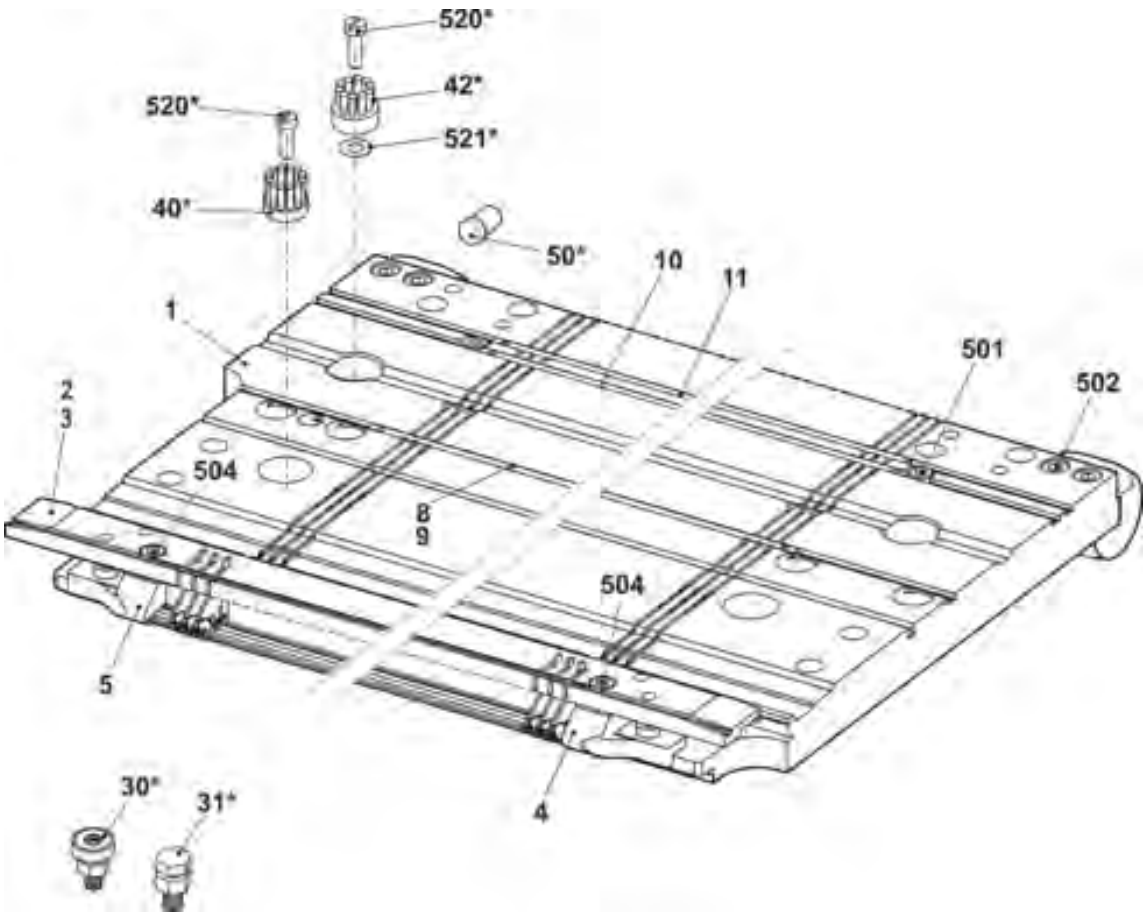
4.1 Needle bed E5

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E5	238 217		16	Needle bar on the left	205 311
2	Spring steel wire E4-5 Ø1.0	237 406		17	Needle bar on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle bar in the middle	237 387
4a	Needle E5-E6 with round hook	205 396		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-8	237 323		506	Setscrew M6x12-45	022 400
7a	Selection jack E4-8	200 687		507	Sprung pressure piece B-M10	023 177
7b	Selector spring E4-8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E5	204 996		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E5	205 031		511	Shim 0.05x18.5x34	023 196
12	Locating wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



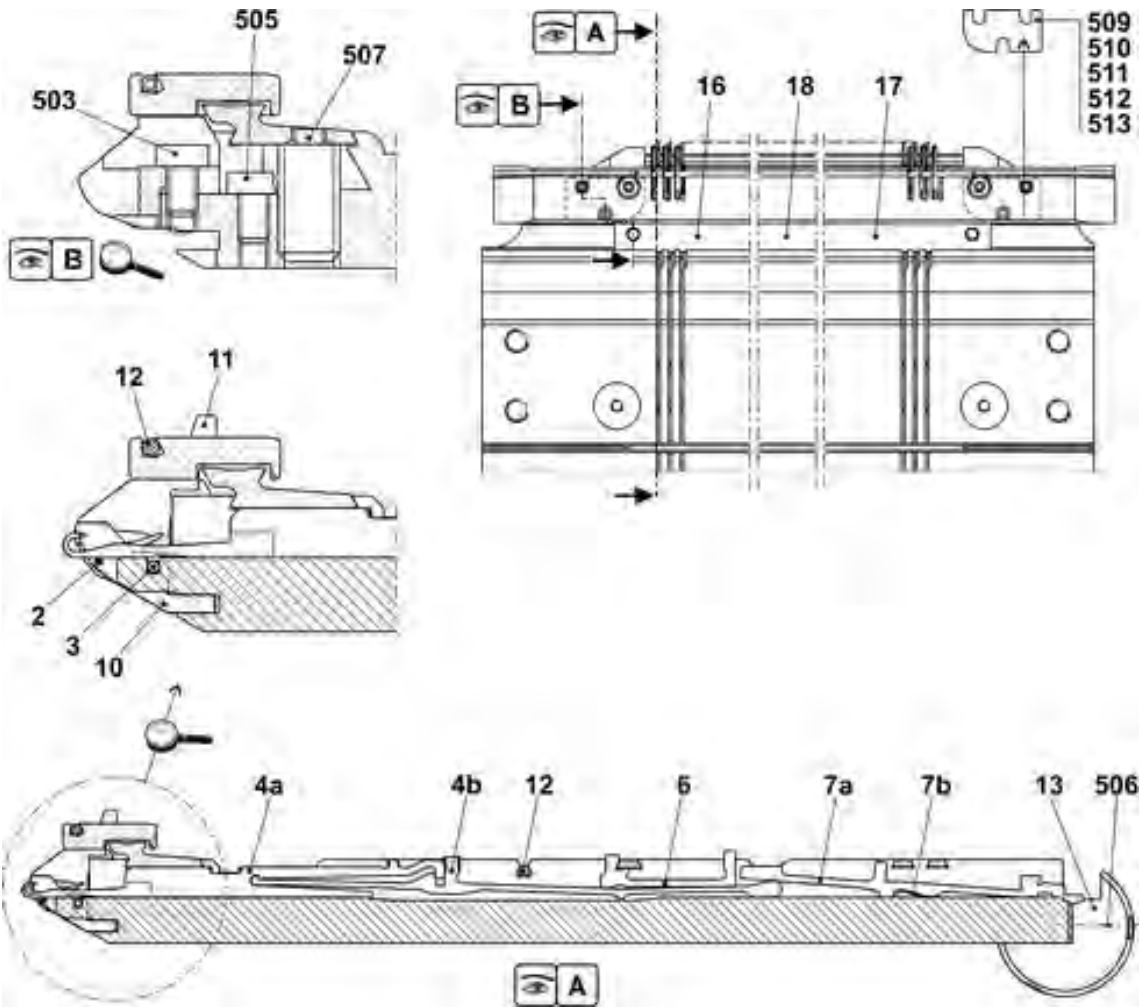
4.1.1 Continuation needle bed E5

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E5	238 217		501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E5	238 005		502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E5	238 027		504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E5	238 021		30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343		31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344		40*	Disk brush	235 612
8	Cover rail at the rear	237 379		42*	Disk brush	235 612
9	Cover rail at the front E5	237 377		50*	Adjusting bolt	240 765
10	Cover rail	237 382		520*	Cap screw M5x12	020 032
11	Cover rail	237 383		521*	Adjusting washer P6x12x0.3	023 540



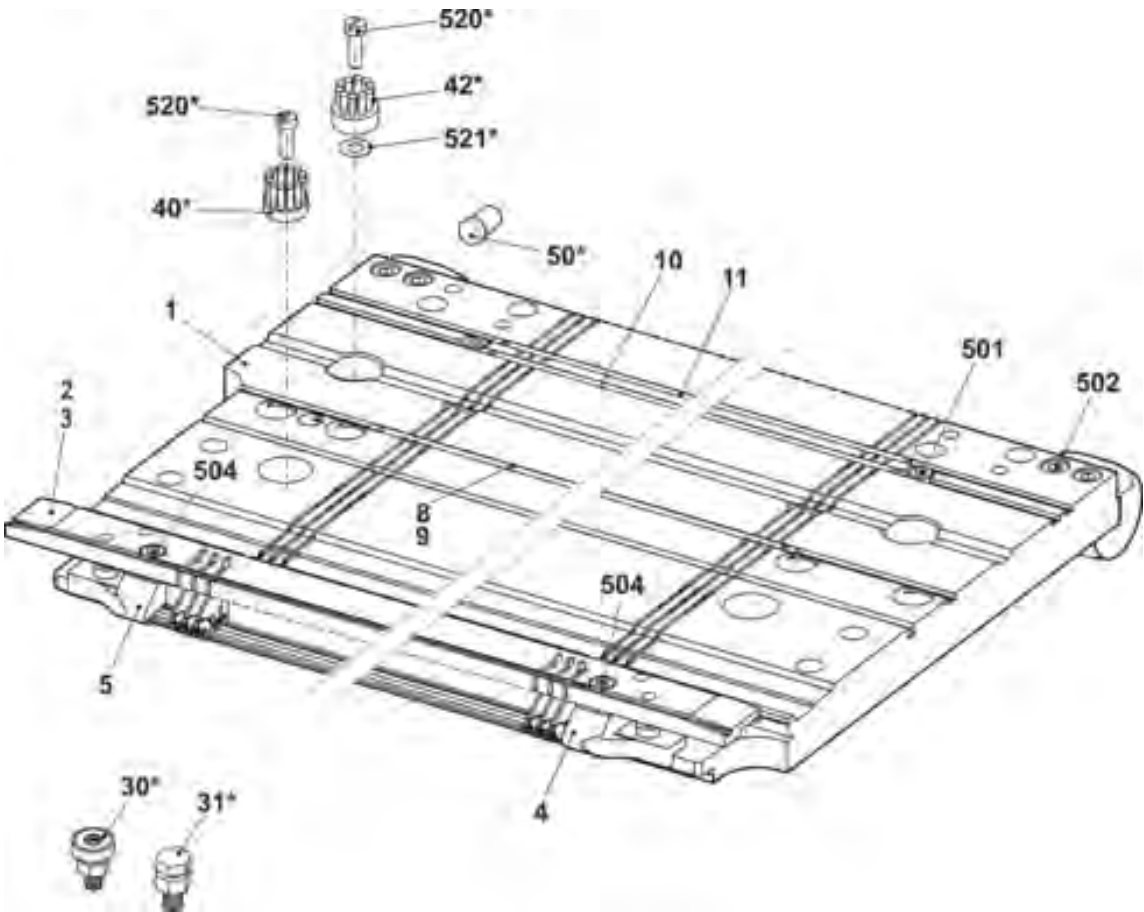
4.2 Needle bed E7

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7	238 218		16	Needle rail on the left	205 311
2	Spring steel wire E7-8 Ø0.8	227 078		17	Needle rail on the right	205 312
3	Spring steel wire Ø2.0	223 854		18	Needle rail in the middle	237 387
4a	Needle E7 with round hook	205 397		503	Cap screw M5x8-8.8	023 154
4b	Coupling part E4-8	200 682		505	Cap screw M5x8	023 379
6	Intermediate slider with brake E5-E8	237 323		506	Set screw M6x12-45	022 400
A7	Selection jack E4-8	200 687		507	Sprung thrust piece B-M10	023 177
7b	Selector spring E4-8	200 690		509	Shim 0.02x18.5x34	023 194
10	Knock-over bit E7	207 055		510	Shim 0.03x18.5x34	023 195
11	Holding-down jack E7	205 032		511	Shim 0.05x18.5x34	023 196
12	Fixed wire Ø2.8	223 862		512	Shim 0.1x18.5x34	023 197
13	Support	206 352		513	Shim 0.2x18.5x34	023 253



4.2.1 Continuation needle bed E7

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front + rear E7	238 218		501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E7	238 006		502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E7	238 028		504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E7	238 022		30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343		31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344		40*	Disk brush	235 612
8	Cover rail at the rear	237 379		42*	Disk brush	235 612
9	Cover rail at the front E3,5.2	238 018		50*	Adjusting bolt	240 765
10	Cover rail	237 382		520*	Cap screw M5x12	020 032
11	Cover rail	237 383		521*	Adjusting washer P6x12x0.3	023 540



4.3.1 Continuation needle bed E8

Pos	Designation	Id		Pos	Designation	Id
Σ	Needle bed complete at the front and rear E8	238 219		501	Cap screw M5x10	022 918
1	Needle bed at the front + rear E8	238 007		502	Cap screw M6x25	020 137
2	Holding-down jack bed at the rear E8	238 029		504	Cap screw M5x22	023 193
3	Holding-down jack bed at the front E8	238 023		30*	Adjusting piece	206 375
4	Limiter on the left E4-E8	205 343		31*	Set screw complete	207 712
5	Limiter on the right E4-8	205 344		40*	Disk brush	235 612
8	Cover rail at the rear	237 379		42*	Disk brush	235 612
9	Cover rail at the front E8	238 015		50*	Adjusting bolt	240 765
10	Cover rail	237 382		520*	Cap screw M5x12	020 032
11	Cover rail	237 383		521*	Adjusting washer P6x12x0.3	023 540

