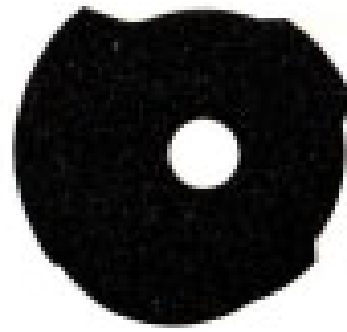


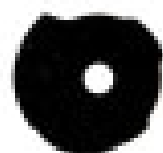


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PARTS LIST

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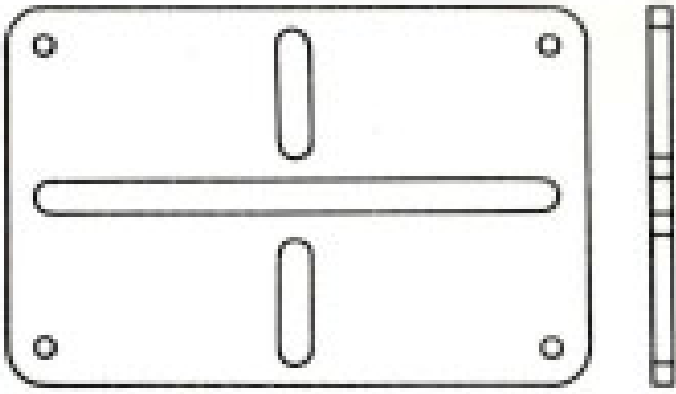
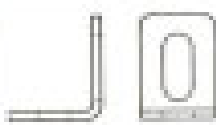
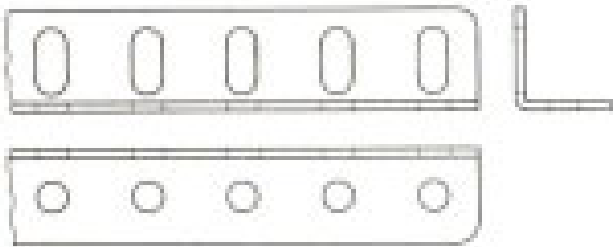
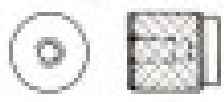
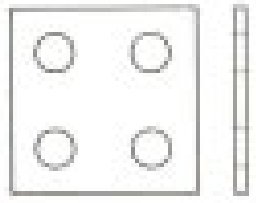


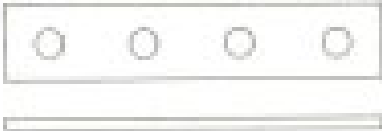
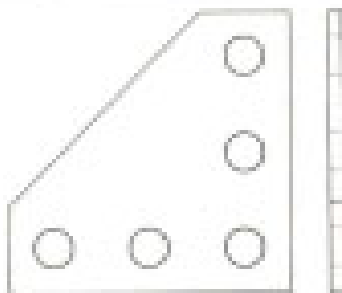
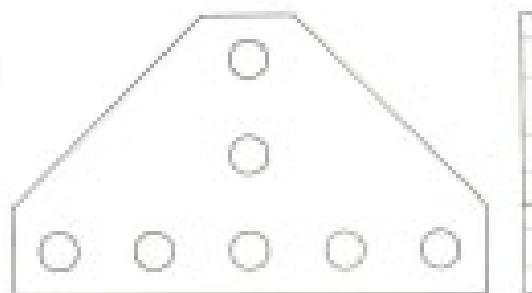
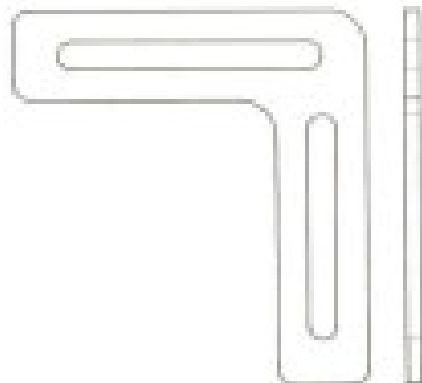
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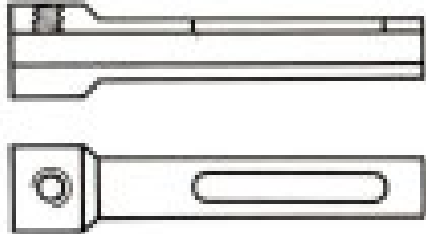
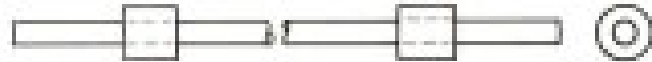
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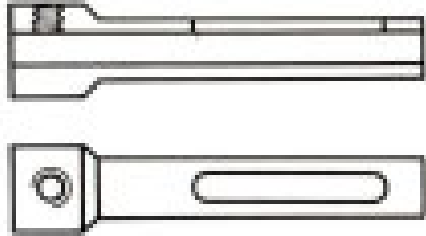
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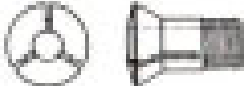
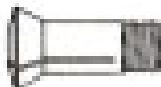
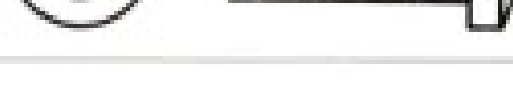
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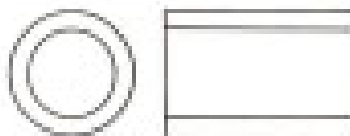
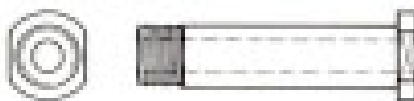
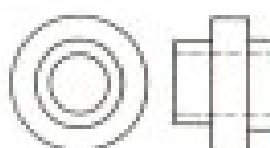
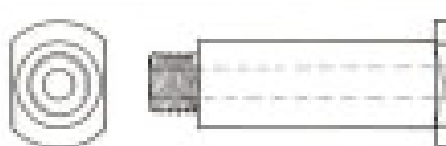
Part	Scale	Description	Ref. No.
	—	Plastic Side-Plates	01.001
	—	Spacer	01.002
	1 : 1	Angle 1×1 hole	01.101
	—	Angle-Iron	5 holes 01.105 7 holes 01.107 10 holes 01.110 15 holes 01.115 20 holes 01.120
	1 : 1	Foot	01.225
	1 : 1	Flat plate 2×2 holes	01.201
	1 : 1	Flat plate 2×3 holes	01.202
	1 : 1	Flat plate 2×5 holes	01.203

Part	Scale	Description	Ref. No.
	1 : 1	Connecting strip	01.211
	1 : 1	Slotted strip	01.212
	1 : 1	Flat angle 3 holes	01.213
	1 : 1	Flat angle 5 holes	01.215
	1 : 1	Flat angle 7 holes	01.216
	1 : 1	Flat slotted angle	01.218
	1 : 1	Hole and slot plate	01.219

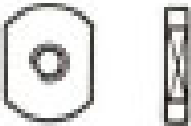
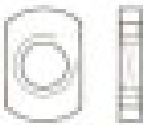
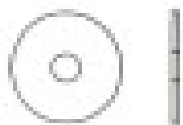
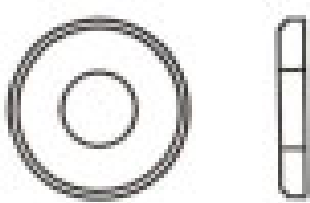
Part	Scale	Description	Ref. No.
	—	Shaft 4 mm dia. 50 mm 75 mm 100 mm 125 mm 150 mm 200 mm 250 mm	04.050 04.075 04.100 04.125 04.150 04.200 04.250
	—	Shaft 2.5 mm dia. 75 mm 100 mm 125 mm	05.075 05.100 05.125
	—	Shaft 4 mm with one flat end 50 mm 75 mm 100 mm 125 mm	06.050 06.075 06.100 06.125
	—	Hollow shaft o. d. 4 mm i. d. 2.5 mm 40 mm 80 mm	08.040 08.080
	1 : 1	Sleeve for expanding shaft	09.201
	—	Expanding shaft	09.204
	1 : 1	Screw for expanding shaft	09.208
	—	4 mm Shaft with rubber rollers	09.901
	1 : 1	4 mm Shaft with flat surface	09.902

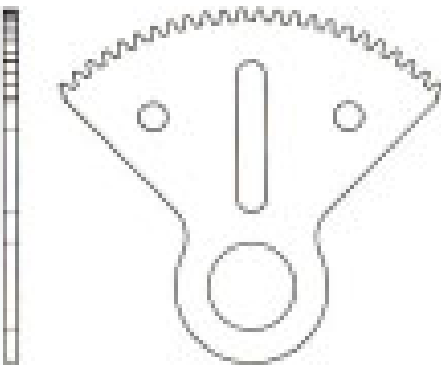
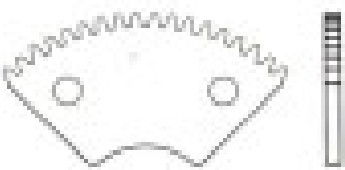
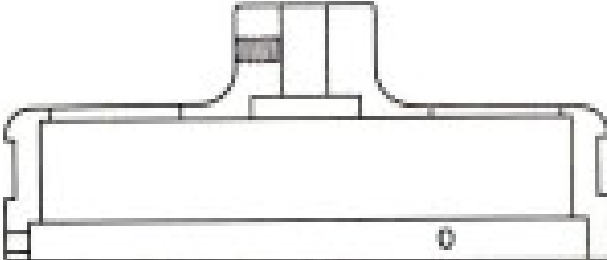
Part	Scale	Description	Ref. No.
	—	Shaft 4 mm dia. 50 mm 75 mm 100 mm 125 mm 150 mm 200 mm 250 mm	04.050 04.075 04.100 04.125 04.150 04.200 04.250
	—	Shaft 2.5 mm dia. 75 mm 100 mm 125 mm	05.075 05.100 05.125
	—	Shaft 4 mm with one flat end 50 mm 75 mm 100 mm 125 mm	06.050 06.075 06.100 06.125
	—	Hollow shaft o. d. 4 mm i. d. 2.5 mm 40 mm 80 mm	08.040 08.080
	1 : 1	Sleeve for expanding shaft	09.201
	—	Expanding shaft	09.204
	1 : 1	Screw for expanding shaft	09.208
	—	4 mm Shaft with rubber rollers	09.901
	1 : 1	4 mm Shaft with flat surface	09.902

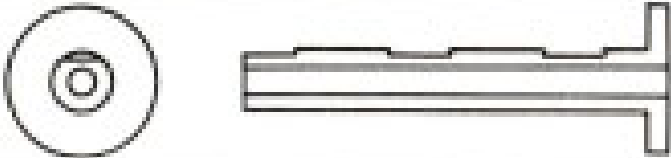
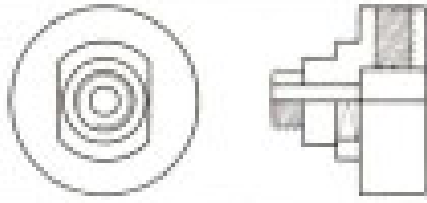
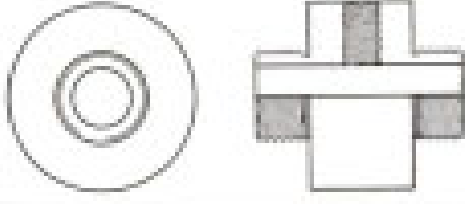
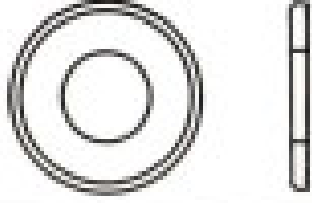
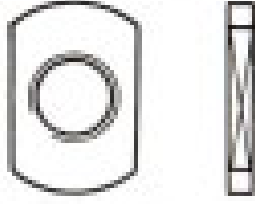
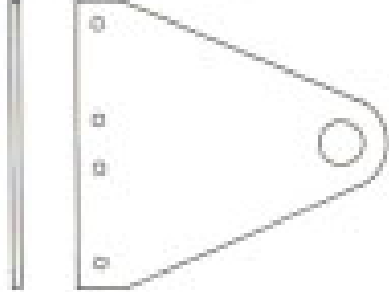
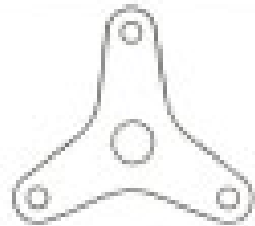
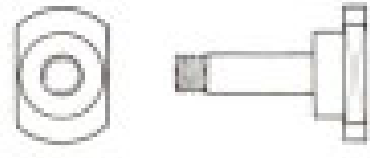
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	1 : 1	Collet chuck 4 mm shaft 5 mm	11.105
	1 : 1	Collet chuck 4 mm shaft 10 mm	11.110
	1 : 1	Collet chuck 4 mm shaft 16 mm	11.116
	1 : 1	Collet chuck 4 mm shaft 18 mm	11.118
	1 : 1	Collet chuck 4 mm shaft 22 mm	11.122
	1 : 1	Collet chuck 4 mm shaft 33 mm	11.133
	1 : 1	Collet chuck 2.5 mm shaft 5 mm	11.205
	1 : 1	Sleeve for Collet chuck without shoulder	11.400
	1 : 1	ditto, with two flats	11.801
	1 : 1	Sleeve for Collet chuck shoulder 1 mm	11.401
	1 : 1	Sleeve for Collet chuck shoulder 3.5 mm	11.404
	1 : 1	ditto, with two flats	11.802
	1 : 1	Sleeve for Collet chuck shoulder 9 mm	11.409
	1 : 1	Sleeve for Collet chuck shoulder 32 mm	11.432

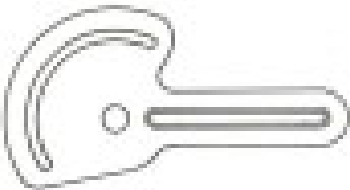
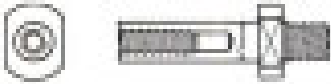
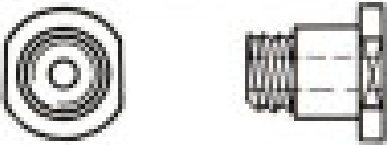
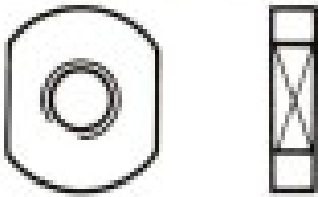
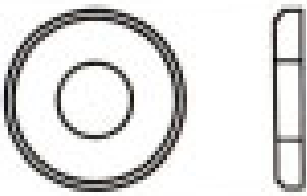
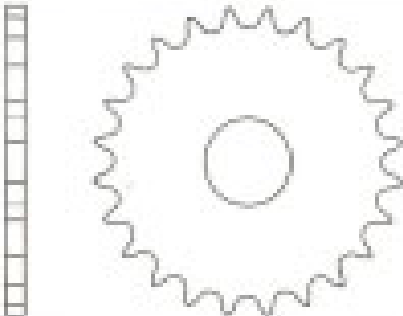
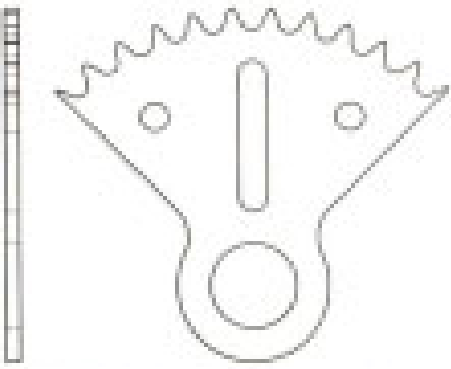
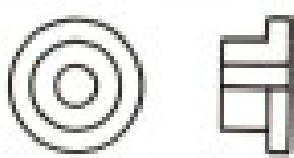
Part	Scale	Description	Ref. No.
	1 : 1	Hub for levers for 4 mm shafts	11.501
	1 : 1	Hub for adjustable over 34,005 for 4 mm shafts	11.502
	1 : 1	Hub for levers for 3.5 mm crank pins	11.506
	1 : 1	Hub for sectors	11.508
	1 : 1	Hub for connecting sectors and levers	11.507
	1 : 1	Sleeve for idling wheels for 4 mm shafts	11.601
	1 : 1	Sleeve for idling pinion for 4 mm shafts	11.603
	1 : 1	Spacer for gear assembly	11.701
	1 : 1	Hub for idling gear assembly	11.703
	1 : 1	Spacer for assembly of idling pinion and wheel	11.705
	1 : 1	Hub for idling gear assembly	11.702

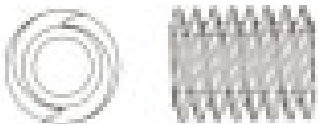
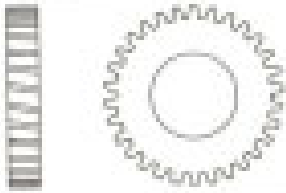
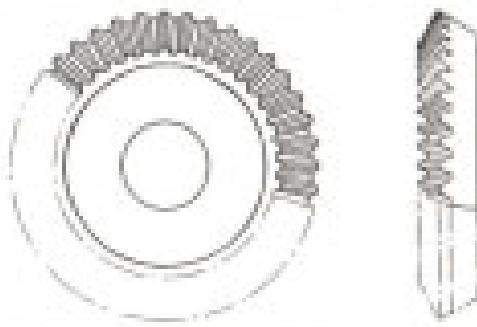
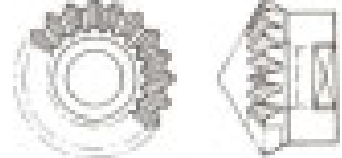
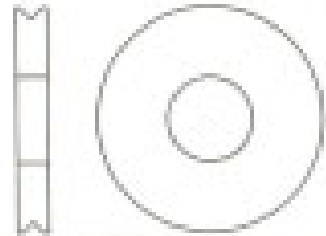
Part	Scale	Description	Ref. No.
	—	Screwed rod M 3.5 25 mm 30 mm 40 mm 50 mm 60 mm 75 mm	12.425 12.430 12.440 12.450 12.460 12.475
	1 : 1	Cheese Head Screw M 3.5 × 5	13.405
	1 : 1	Cheese Head Screw M 3.5 × 8	13.408
	1 : 1	Cheese Head Screw M 3.5 × 12	13.412
	1 : 1	Cheese Head Screw M 3.5 × 15	13.415
	1 : 1	Connector M 3.5	16.001
	1 : 1	Connector M 3.5	16.002
	1 : 1	Connector M 3.5	16.003
	1 : 1	Connector M 3.5	16.004
	1 : 1	Thumb Screw M 3.5	16.401
	1 : 1	Thumb Screw M 3.5	16.403
	1 : 1	Grub Screw M 2.6 × 5	17.305
	1 : 1	Grub Screw M 2.6 × 8	17.308
	1 : 1	Grub Screw M 3.5 × 3	17.403
	1 : 1	Grub Screw M 3.5 × 5	17.405
	1 : 1	Grub Screw M 3.5 × 8	17.408
	1 : 1	Grub Screw M 5 × 8	17.508

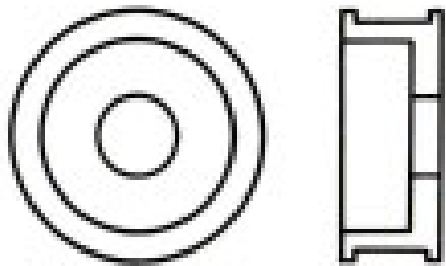
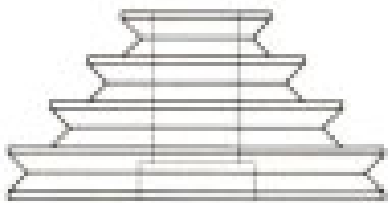
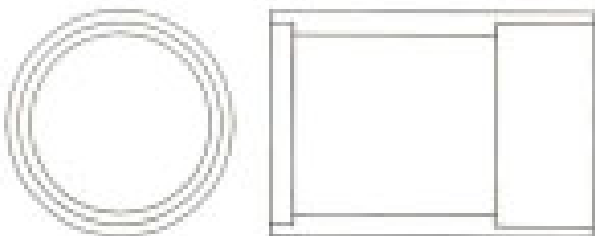
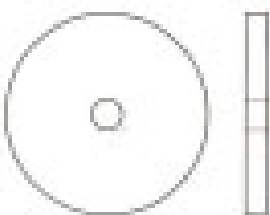
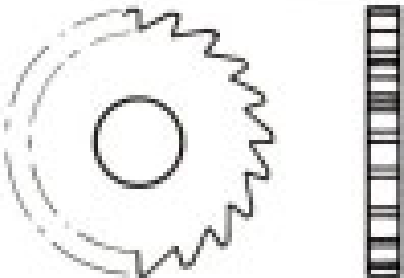
Part	Scale	Description	Ref. No.
	1 : 1	Hexagon Nut M 3.5	18.402
	1 : 1	Special Nut M 5 (gear quadrant)	18.501
	1 : 1	Special Nut M 8 o. d. 18 mm	18.802
	1 : 1	Nut M 8 o. d. 15 mm	18.803
	1 : 1	Nut M 8 o. d. 12 mm	18.804
	1 : 1	Washer for M 3.5 screw	19.401
	1 : 1	Washer for M 3.5 screw o. d. 15 mm	19.402
	1 : 1	Washer for M 8 thread 15 mm outside diameter	19.801
	1 : 1	Washer for M 8 thread 18 mm outside diameter	19.802
	1 : 1	Washer for M 5 screws	19.501

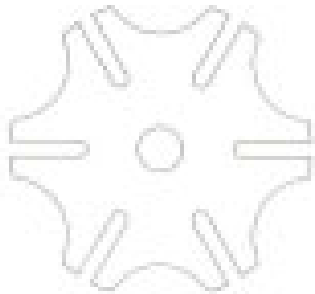
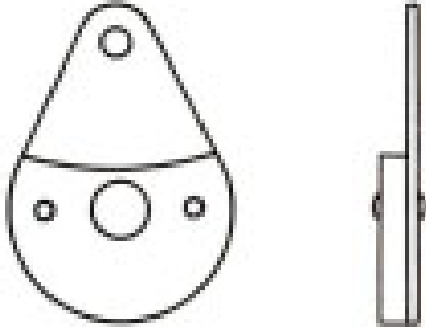
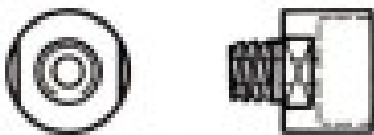
Part	Scale	Description	Ref. No.
	—	Pinion 18 teeth 20.018 Wheel 24 teeth 20.024 30 teeth 20.030 36 teeth 20.036 48 teeth 20.048 Spir gears Module 0.75 54 teeth 20.054 60 teeth 20.060 72 teeth 20.072 96 teeth 20.096 108 teeth 20.108 120 teeth 20.120	
	—	Racks Module 0.75 25 teeth 22.025 51 teeth 22.051 76 teeth 22.076	
	1 : 1	Sector Module 0.75	22.203
	1 : 1	Segment Module 0.75	22.202
	—	Body for Planetary Gear	21.001
	—	Gear Rim with internal gear, Module 0.75 for Planetary Gear	21.002

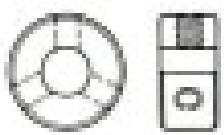
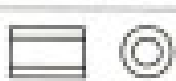
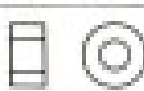
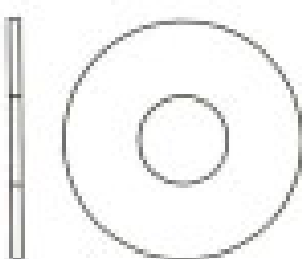
Part	Scale	Description	Ref. No.
	1 : 1	Hub for Planetary Gear	21.003
	—	Hollow Shaft for Planetary Gear	21.004
	—	2.5 mm shaft for Planetary Gear	21.005
	1 : 1	End Piece for Hub of Planetary Gear 21.003	21.006
	1 : 1	Bearing for Planetary Gear	21.007
	1 : 1	Washer for above Bearing 21.007	21.008
	1 : 1	Nut for Bearing 21.007	21.009
	—	Support for Bearing 21.007	21.010
	—	Arm for Planetary Gear	21.011
	1 : 1	Hub for Planet Gears	21.012

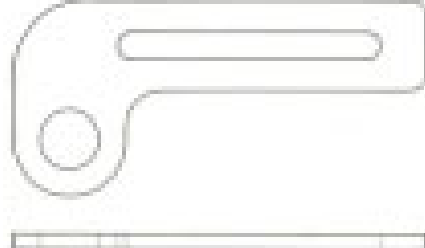
Part	Scale	Description	Ref. No.
	—	Gear Quadrant	21.030
	1 : 1	Pivot Pin	21.031
	1 : 1	Sleeve for Intermediary Gears	21.032
		Special Nut M 10	21.033
		Special Washer M 10	21.034
	—	Sprocket Wheel 12 teeth 24 teeth 36 teeth	23.012 23.024 23.036
	1 : 1	Sector with sprocket teeth	23.201
	1 : 1	Spacer for Planet Gears	21.013

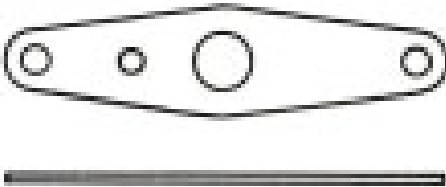
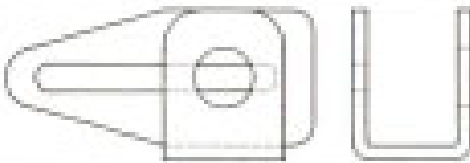
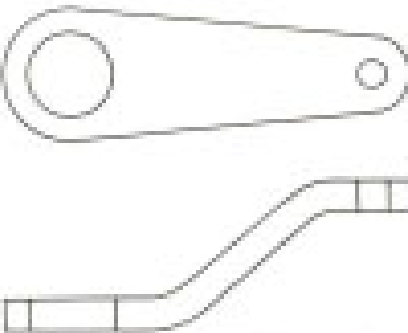
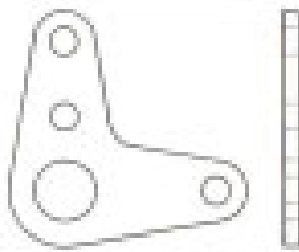
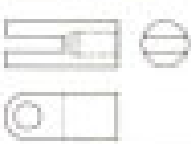
Part	Scale	Description	Ref. No.
	1 : 1	Worm double thread triple thread	24.002 24.003
	—	Worm Wheel dia 24 double thread dia 24 triple thread dia 39 double thread dia 39 triple thread	24.012 24.013 24.022 24.023
	1 : 1	Bevel Gear bevel gear 45° 20 teeth	25.120
	1 : 1	Bevel Gear Bevel gear 40 teeth mating 25.220	25.240
	1 : 1	Bevel Gear mating gear 20 teeth to bevel gear	25.220 25.240
	—	V-Belt Pulley Wheels 20 mm 25 mm 30 mm	26.020 26.025 26.030
	1 : 1	Special screw for flat belt tensioning roller	26.101
	1 : 1	Flat belt tensioning roller	26.110
	1 : 1	Flat piece for connecting chain to above sector 23.201	23.202
	1 : 1	Links for chain	23.204
	1 : 1	Chain roller	23.203
	2 : 1	Circlip for chain	23.205

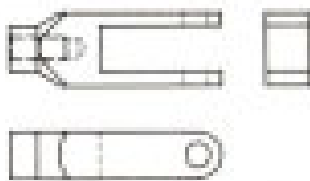
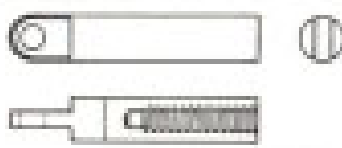
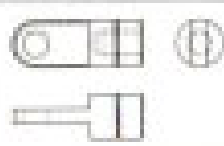
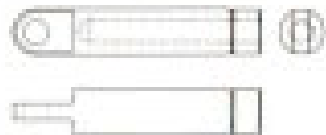
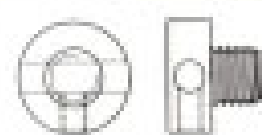
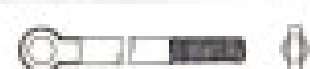
Part	Scale	Description	Ref. No.
	—	Flat belt pulley wheels 20 mm 30 mm 40 mm 50 mm	26.120 26.130 26.140 26.150
	1 : 1	Stepped pulley wheel	26.201
	1 : 1	Hand wheel	27.001
	1 : 1	Drum	27.004
	1 : 1	Side Plates to Drum for 4 mm shaft	27.005
	1 : 1	Side Plates to Drum for sleeve of collet chuck	27.006
	1 : 1	Ratchet wheel	28.601

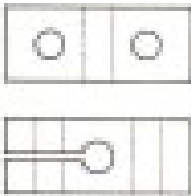
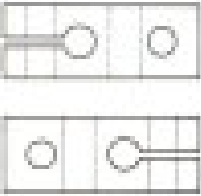
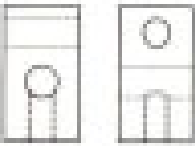
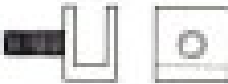
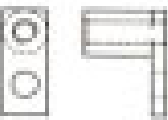
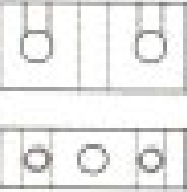
Part	Scale	Description	Ref. No.
	1 : 1	Simple lever for ratchet wheel	28.602
	1 : 1	Adjustable lever for ratchet wheel	28.618
	1 : 1	Pawl for ratchet wheel	28.604
	1 : 2	Indexing Plate for Maltese Cross Mechanism	28.605
	1 : 1	Driver for Maltese Cross Mechanism	28.606
	2 : 1	Driving Pin for Maltese Cross Mechanism	28.610
	1 : 1	Drum for Friction Ratchet for use with levers	28.611
	1 : 1	Drum for Friction Ratchet for use with 4 mm wheels	28.612
	1 : 1	Drum for Friction Ratchet for use with 18 teeth pinion	28.613

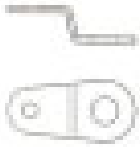
Part	Scale	Description	Ref. No.
	1 : 1	Toothed inner part of Friction Ratchet	28.614
	1 : 1	Rollers for Friction Ratchet	28.615
	1 : 1	Stop Collar for Friction Ratchet	28.616
	1 : 1	Spacer 1 mm	31.101
	1 : 1	Spacer 2.5 mm	31.103
	1 : 1	Spacer 5 mm	31.105
	1 : 1	Spacer 10 mm	31.110
	1 : 1	Spacer 20 mm	31.120
	1 : 1	Spacer for 4 mm shaft 2.5 mm	31.603
	1 : 1	Spacer for 4 mm shaft 5 mm	31.605
	1 : 1	Spacer for 4 mm shaft 10 mm	31.610
	1 : 1	Spacer disk 18 mm outside diameter 11.5 mm inside diameter	31.900
	1 : 1	Spacer disk 32 mm outside diameter 11.5 mm inside diameter	31.904

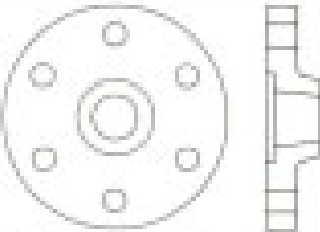
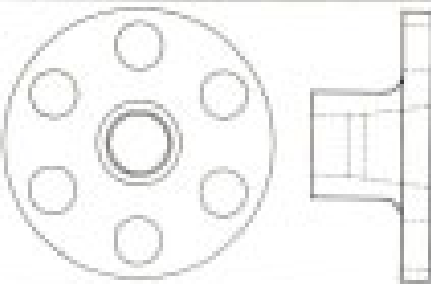
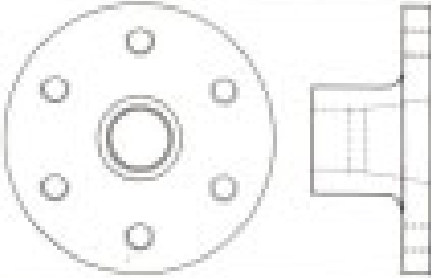
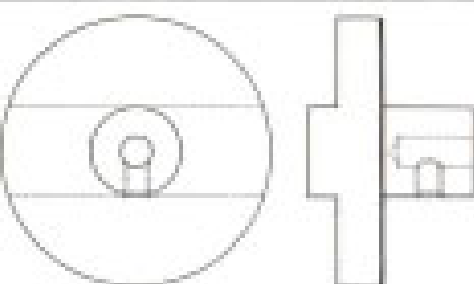
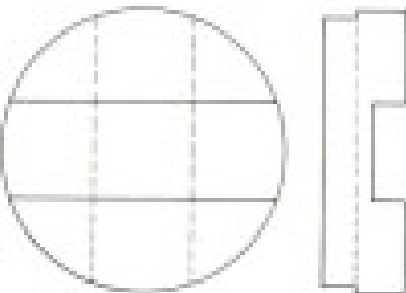
Part	Scale	Description	Ref. No.
	1 : 1	Stop collar for 4 mm shaft	32.001
	1 : 1	Stop collar for 2.5 mm shaft	32.002
	1 : 1	Weight	32.022
	—	Plain lever	20 mm 33.120
			25 mm 33.125
			30 mm 33.130
			40 mm 33.140
			50 mm 33.150
			60 mm 33.160
			75 mm 33.175
	—	Slotted lever	20 mm 33.220
			25 mm 33.225
			30 mm 33.230
			40 mm 33.240
			50 mm 33.250
			60 mm 33.260
			75 mm 33.275
	—	Forked Lever	20 mm 33.320
			25 mm 33.325
			30 mm 33.330
			40 mm 33.340
			50 mm 33.350
			60 mm 33.360
			75 mm 33.375
	1 : 1	Bent Slotted Lever	34.002
	1 : 1	Eccentric lever	34.003

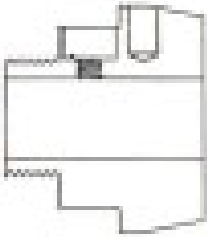
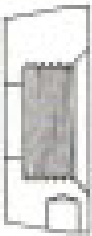
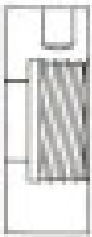
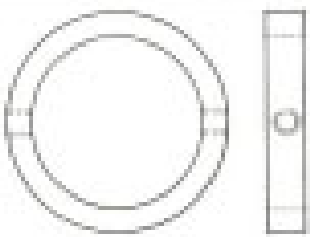
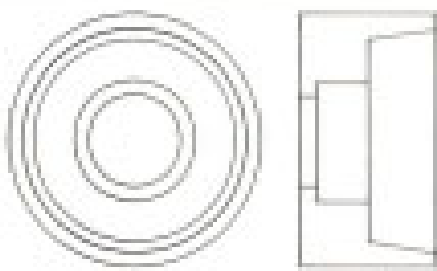
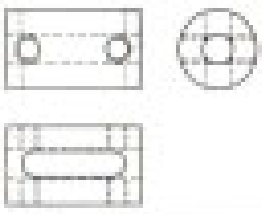
Part	Scale	Description	Ref. No.
	1 : 1	Double lever	34.004
	1 : 1	Bent slotted lever for adjustable stroke	34.005
	1 : 1	Hand crank	34.006
	1 : 1	Right angle lever	34.007
	1 : 1	Circlip for 3.5 mm crankpins	33.400
	1 : 1	Crankpin	33.401
	1 : 1	Crankpin	33.402
	1 : 1	Crankpin	33.403
	1 : 1	Crankpin	33.404
	1 : 1	Bar end, right hand thread	33.501
	1 : 1	Forked bar end, right hand thread	33.502

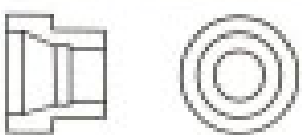
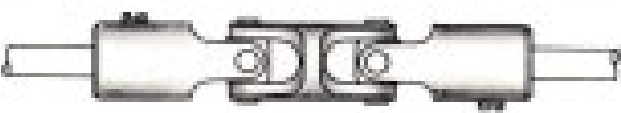
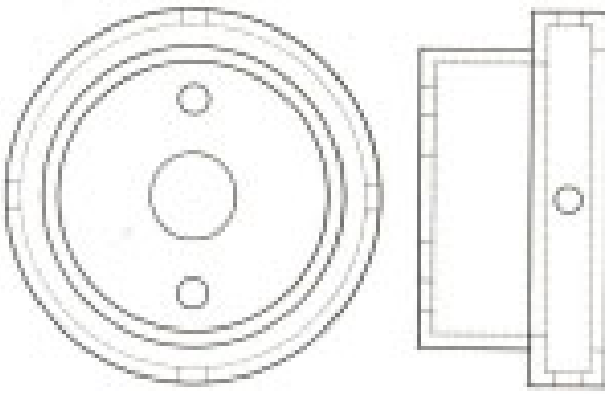
Part	Scale	Description	Ref. No.
	1 : 1	Forked bar end for part 33.502	33.503
	1 : 1	Bar end, right hand thread	33.505
	1 : 1	Pin for connecting bar ends	33.510
	1 : 1	Pin for connecting bar ends when used with part 33.503	33.511
	1 : 1	Bar end, left hand thread	33.601
	1 : 1	Bar end, left hand thread	33.605
	1 : 1	Spanner with external right and left hand thread	33.701
	1 : 1	Spanner with external, right and left hand thread	33.702
	1 : 1	Spanner with internal, right and left hand thread	33.703
	1 : 1	Special part for mounting levers on shafts	33.801
	1 : 1	Special part with crank pin for mounting levers on shafts	33.802
	—	Eye Bolts M 3.5 10 mm 20 mm 30 mm 40 mm 50 mm	33.810 33.820 33.830 33.840 33.850
	—	Threaded Studs M 3.5 right and left hand thread 30 mm 50 mm 75 mm 100 mm	33.930 33.950 33.975 33.999

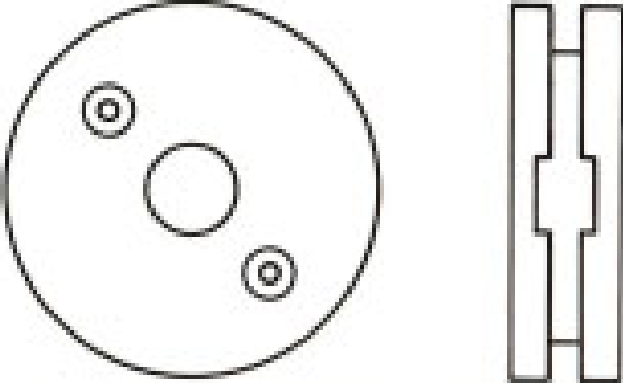
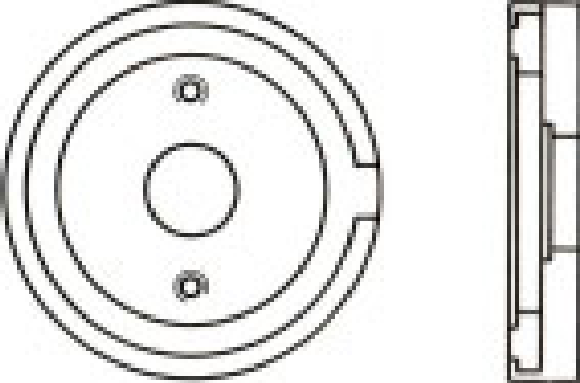
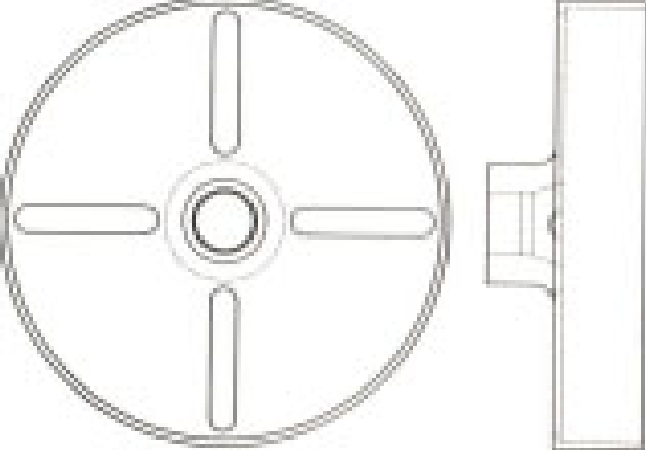
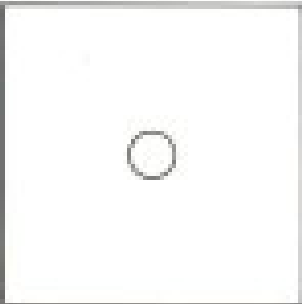
Part	Scale	Description	Ref. No.
	1 : 1	Square part for mounting fixed shafts to machine frames	35.102
	1 : 1	Square part for mounting parts at right angles	35.103
	1 : 1	Special connector for various applications	35.104
	1 : 1	Slider for 4 mm shafts	35.105
	1 : 1	Slider for 4 mm shafts	35.106
	1 : 1	Support for slides	35.107
	1 : 1	Sliding piece	35.108
	1 : 1	Special part for various applications	35.109
	—	Bearing blocks for 4 mm shaft for 2,5 mm shaft	35.110 35.111
	1 : 1	Supports and Slides	35.112

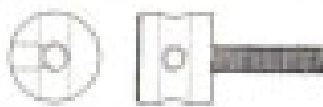
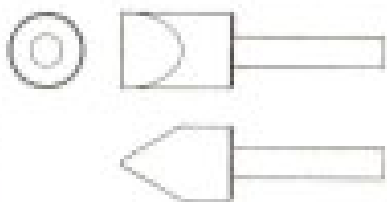
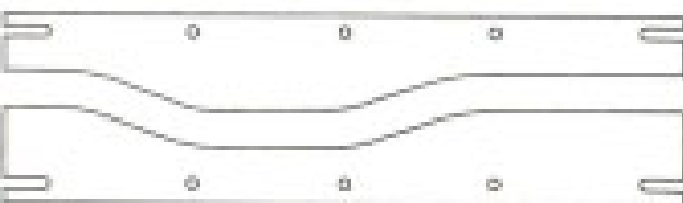
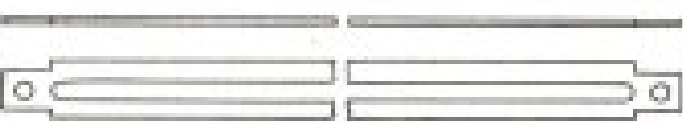
Part	Scale	Description	Ref. No.
	—	Compression Spring	Length 10 mm 36.110
			15 mm 36.115
			25 mm 36.125
			50 mm 36.150
	—	Tension Spring	Length 15 mm 36.215
			25 mm 36.225
			50 mm 36.250
	1 : 1	Casing for Spring Assembly	36.500
	1 : 1	Rod for Spring-casing	36.501
	1 : 1	End piece for spring casing for 4 mm shaft	36.502
	1 : 1	End piece for spring casing for M 3.5	36.503
	1 : 1	Piston for Rod 36.501	36.504
	1 : 1	Suspension bolt for tension spring	36.512
	1 : 1	Suspension plate for tension spring	36.513
	1 : 1	Suspension bolt for tension spring	36.515

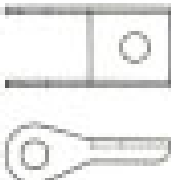
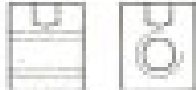
Part	Scale	Description	Ref. No.
	1 : 1	Box Coupling	40.001
	1 : 1	Screw for Box Coupling	40.002
	1 : 1	Special Nut for Box Coupling	40.003
	1 : 1	Flange Coupling	40.004
	1 : 1	Double Cone for Flange Coupling	40.005
	1 : 1	Part with cylindrical holes for elastic coupling	40.006
	1 : 1	Part with holes threaded M 3.5 for elastic coupling	40.007
	1 : 1	Special Pin Screw for Elastic Coupling	40.008
	1 : 1	Outer Part for Oldham Coupling	40.009
	1 : 1	Middle Part of Oldham Coupling	40.010

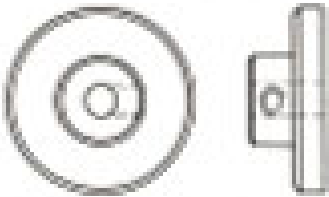
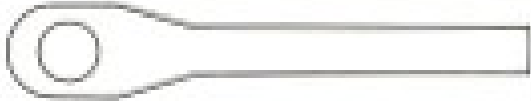
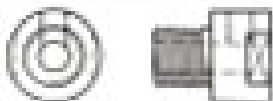
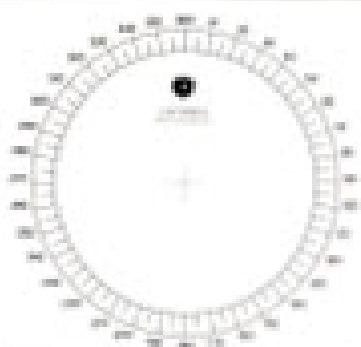
Part	Scale	Description	Ref. No.
	1 : 1	Middle Part of Friction Clutch	40.101
	1 : 1	Cone-End of Middle Part to Friction Clutch	40.102
	1 : 1	Blind-End of Friction Clutch	40.103
	1 : 1	Slip Ring	40.104
	1 : 1	Outer Part of Friction Clutch with internal cone	40.105
	1 : 1	Special Sleeve. Use Grub Screws M 3.5 x 3	40.106
	1 : 1	Stud for Slip-Ring	40.108
	1 : 1	Pin Screw fitting into part 40.101 and 40.106	40.109
	1 : 1	Intermediary Joint fitting on Stud 40.108 of slip ring	40.110

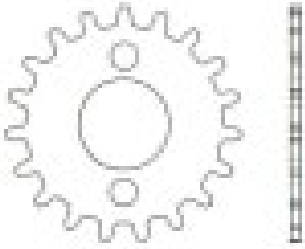
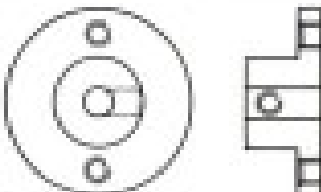
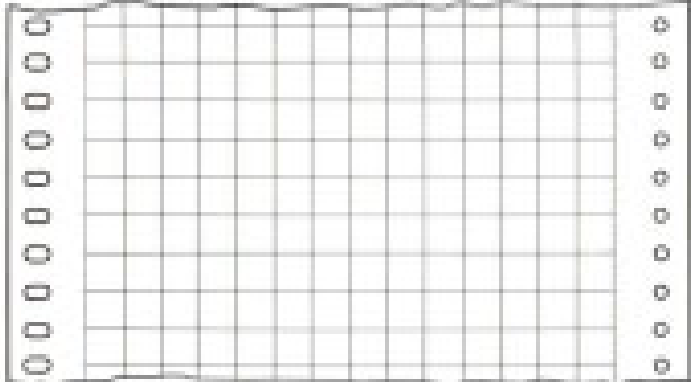
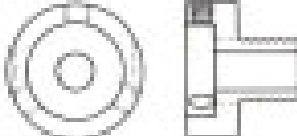
Part	Scale	Description	Ref. No.
	1 : 1	Hub for part 40.105 when idling.	40.111
	1 : 1	Clutching lever	40.113
	1 : 1	Sleeve for Collet Chuck. Fits into part 40.105 when used as one-sided clutch	40.114
	1 : 1	Universal Joint	40.120
	1 : 1	Double Universal Joint	40.121
	1 : 1	Body for Bell Cams	50.101
	1 : 1	Special screw for body of bell cams	50.102
	1 : 1	Flat faced cam-follower	50.103

Part	Scale	Description	Ref. No.
	1 : 1	Cam body with groove on circumference	50.104
	1 : 1	Cam body with groove on side	50.106
	1 : 1	Special cam body for grooved cam	50.108
	1 : 1	Screw for cam body 50.104/106, short	50.109
	1 : 1	Screw for cam body 50.104/106, long	50.110
	1 : 2	Presspan disk for disk cams	50.111

Part	Scale	Description	Ref. No.
	1 : 2	Presspan strip for bell cams	50.112
	1 : 1	Sleeve for knife-edged cam follower	50.113
	1 : 1	Knife-edged cam follower	50.116
	1 : 1	Sleeve for knife-edged cam-follower	50.117
	1 : 1	Roller	50.118
	1 : 1	Roller with radial threaded hole	50.119
	1 : 2	Blank for Cam Profiles of Bell Cams, metal.	50.120
	1 : 2	Cam-Profile for automatic cone clutch	50.121
	1 : 1	Cam roller	50.201
	1 : 1	Screw for cam roller 50.201	50.301
	—	Slider	50.403

Part	Scale	Description	Ref. No.
	1 : 1	Bearing for Cam Roller	50.410
	1 : 1	Cam roller	50.411
	1 : 1	Shaft for Cam roller fitting parts 50.410/411	50.412
	—	Length Total Threaded 120 60 Lead 176 116 Screws 239 179	51.001 51.002 51.003
	1 : 1	Nut for Lead screw	51.004
	1 : 1	Screw for crank handle, long	59.001
	1 : 1	Crank handle, long	59.002
	1 : 1	Screw for crank handle for hand wheel	59.003
	1 : 1	Crank handle, short	59.004

Part	Scale	Description	Ref. No.
	1 : 1	Base for height gauge	76.001
	1 : 1	Arm for height gauge	76.002
	1 : 1	Sliding piece for height gauge	76.003
	1 : 1	Thumb Screw for height gauge	76.004
	1 : 1	Writing nib	76.005
	1 : 1	Hub for Pointer hands	for 4 mm shaft 76.008
			for 2.5 mm shaft 76.009
	1 : 2	Pointer	Black 30 mm 76.010
	1 : 2	Pointer	green 60 mm 76.011
	1 : 2	Pointer	red 165 mm 76.012
	—	Dials	dia 60 mm 76.020
			dia 125 mm 76.021
	—	Dial	dia 330 mm 76.022
	—	Ruler mm divisions	76.030

Part	Scale	Description	Ref. No.
	1 : 2	Roller for Recording Instrument	76.101
	1 : 1	Toothed Driving Wheel for Roller of Recording Instrument	76.102
	1 : 1	Hub for roller 76.101	76.103
	1 : 1	Special screw for fitting part 76.102	76.104
	—	Shaft for Roller	76.105
	—	Chart Paper, mm divisions in rolls	76.106
	2 : 1	Combined radial and thrust bearing for 4 mm shafts	76.110
	1 : 1	Casing for above bearing	76.111
	1 : 1	Special collar for use with bearings	76.112
	1 : 1	Support for thumb-screw	76.113

