







CHARMILLES / AgieCharmilles – spare parts

**We also supply other spare parts
that are not described in this section.**


If you cannot find the required spare parts please contact us.

Wire guides








Order No.	Item No.	Photo	Description	Application
C101/10	100431022		Diamond guide upper Ceramic housing D=0.10 mm	Robofil Serie Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300 Cut 400
C101/15	200431114 135011598		Diamond guide upper Ceramic housing D=0.15 mm	
C101/20	200431112 135011600		Diamond guide upper Ceramic housing D=0.20 mm	
C101/25	100432511 135011602		Diamond guide upper Ceramic housing D=0.25 mm	
C101/30	200432512 135011604		Diamond guide upper Ceramic housing D=0.30 mm	
C102/10	100431027		Diamond guide lower Ceramic housing D=0.10 mm	Robofil Serie Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300 Cut 400
C102/15	200431124 135011599		Diamond guide lower Ceramic housing D=0.15 mm	
C102/20	200431122 135011601		Diamond guide lower Ceramic housing D=0.20 mm	
C102/25	100430586 135011603		Diamond guide lower Ceramic housing D=0.25 mm	
C102/30	200432814 135011605		Diamond guide lower Ceramic housing D=0.30 mm	
C103/10	1004310022		Diamond guide upper Stainless housing inserted ceramic D=0.10 mm	Robofil Serie Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300 Cut 400
C103/15	200431114 135011598		Diamond guide upper Stainless housing inserted ceramic D=0.15 mm	
C103/20	200431112 135011600		Diamond guide upper Stainless housing inserted ceramic D=0.20 mm	
C103/25	100432511 135011602		Diamond guide upper Stainless housing inserted ceramic D=0.25 mm	
C103/30	200432512 135011604		Diamond guide upper Stainless housing inserted ceramic D=0.30 mm	

C104/10	100431027		Diamond guide lower Stainless housing inserted ceramic D=0.10 mm	OD5.0 x 4.0 mmT	Robofil Serie Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300 Cut 400
C104/15	200431124 135011599		Diamond guide lower Stainless housing inserted ceramic D=0.15 mm		
C104/20	200431122 135011601		Diamond guide lower Stainless housing inserted ceramic D=0.20 mm		
C104/25	100430586 135011603		Diamond guide lower Stainless housing inserted ceramic D=0.25 mm		
C104/30	200432814 135011605		Diamond guide lower Stainless housing inserted ceramic D=0.30 mm		
C4433400/07	104433450		Diamond guide set upper & lower (C103 + C104) D=0.07 mm		Robofil Serie Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300 Cut 400
C4433400/10	104433460		Diamond guide set upper & lower (C103 + C104) D=0.10 mm		
C4433400/15	104433440		Diamond guide set upper & lower (C103 + C104) D=0.15 mm		
C4433400/20	104433420		Diamond guide set upper & lower (C103 + C104) D=0.20 mm		
C4433400/25	104433400		Diamond guide set upper & lower (C103 + C104) D=0.25 mm		
C4433400/30	104448760		Diamond guide set upper & lower (C103 + C104) D=0.30 mm		
C4433400C/10	104433460		Diamond guide set upper & lower (C101 + C102) D=0.10 mm		Robofil Serie Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300 Cut 400
C4433400C/15	104433440		Diamond guide set upper & lower (C101 + C102) D=0.15 mm		
C4433400C/20	104433420		Diamond guide set upper & lower (C101 + C102) D=0.20 mm		
C4433400C/25	104433400		Diamond guide set upper & lower (C101 + C102) D=0.25 mm		
A305	590326834		Diamond upper and lower, set of 2pcs.		Cut 1000 Cut 2000 Cut 3000
	417.943		Sapphire ring		Cut 1000 Cut 2000 Cut 3000




	502410934		Diamond upper and lower	0,20mm	Cut 1000 Actsparm Xenon
	502270437			0,25mm	
	502411031			0,30mm	
	100441727		Ceramic guide		Cut 20, Cut 30 Cut 20P, Cut 30P
C105 C444744	100444744		Sleeve nut for upper wire guide with AWT-option ID=3.4 mm		Robofil 310/510/1020
C106 C432545	100432545		Sleeve nut for upper wire guide without AWT-option ID=2.5 mm		RFL 3x0/5x0x120/290
C107 C444760	100444760		Nut lower ID=1.6mm Replaced by 135001191		Robofil 310/510/1020/300/500
C108	104447350		Pre guide Upper		Robofil 230/290/300/310/330/ 1020/2020/240/440/ 240CC/440CC
C109 C442870	200442870		Sleeve nut for upper wire guide ID=3.5 mm		RFL x00/x030 series 100/200/400/600
C110 C442871	200442871		Sleeve nut for lower wire guide ID=1.6 mm		RFL x00/x030 series 100/200/400/600
C448671	200448671		Sleeve nut for lower wire guide ID=1.7 mm		RFL 1020/1020.1/x030
C448672	200448672		Sleeve nut for upper wire guide ID=3.5 mm		RFL 1020/1020.1/x030
C542918	200542918		Claming nut upper head		Robofil 230,330,330F, 390,690, 240SF,440SF, Cut 20, Cut 30 Cut 20P, Cut 30P
C111	291.076		Diamond guide Upper	0,205	Robofil 10
	291.078			0,255	
	291.080			0,305	
C112	291.077		Diamond guide Lower	0,205	Robofil 10
	291.079			0,255	
	291.081			0,305	
C113 C4339880	204339880		Diamond guide lower D=0.10 mm		RFL 330F
C113 C4339870	204339870		Diamond guide lower D=0.15 mm		

C113 C4339860	204339860		Diamond guide lower D=0.20 mm	RFL 330F
C113 C4339850	204339850		Diamond guide lower D=0.25 mm	
C113 C4339840	204339840		Diamond guide lower D=0.30 mm	

Power feed contacts

C001	100432997 100342166 135022232		Current supply upper & lower 12 x 12 x 5 mm Tungsten carbide polished	Robofil Series Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300 Cut 400
C001-T	100432997 100342166 135022232		Current supply upper & lower 12 x 12 x 5 mm Pure Tungsten polished Long Life type	Robofil Series Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300 Cut 400
C001-G	135021833		Current supply upper & lower Tungsten carbide TIN coated 12 x 12 x 5 mm	Robofil Series Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300 Cut 400
A016	590443464		Power feed contact lower 12x30 tungsten carbide	Cut 1000 Cut 2000 Cut 3000
A016T	335009157		Power feed contact upper 12x30 pure tungsten	Cut 1000 Cut 2000 Cut 3000 Actspark Xenon
C003	106462		Current supply upper & lower D=9.5 x 3.8 mm x 3 mmT	EF-320.330.630.930
C007 C007-1	200630654		Current supply Upper non-polished/polished Tungsten Carbide 12 x 12 x 10 mmT	RFL 2030SI, 4030SI, 6030SI Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300, Cut 400






Water nozzles

C201	104323510		Nozzle complete Upper & Lower id=7.0 mm	RFL 3x0/5x0 series
C202	100443733		Plastic nut lower	RFL 3x0/5x0
C203	100447011		Plastic nut for upper head	RFL 3x0/5x0

C204 C4455850	204455850		Flushing nozzle for taper cutting 30° - With SUS cover - Or Plastic type OD=32x id12.30 mm	Robofil 310/1020
C205 C446021	100446021		Water nozzle standard type D=5.5 mm	RFL 3x0/5x0/1020/M series 2020, 2030, 4020, 4030, 6020
C206 C448473	100448473		Water nozzle flat type D=5.50 mm	Robofil 300, 310, 500, 510, 1020, 2020, 2030, 4020, 4030, 6020
C207 C449031	100449031		Nozzle flat D=7.0 mm	RFL 3x0/5x0 series 1020, 2020, 2030, 4020 4030, 6020
C208 C542646	200542646		Nozzle for lower head OD30 x id6.0 x 33 mmT	RFL 230/330F
C209 C135001193	135001193		Nozzle ID=6mm	RFL 330/x40 series
C210 C641617	200641617 135011828		Nozzle lower ID=6mm	RFL 330F/440F 440CC RFL 240, 440, 240CC, 440CC Cut 20, Cut 30
	135017450		Upper nozzle ID=6mm (Speed edition ID=2,5mm)	Cut 200 Cut 300 Cut 400
	135016944		Nozzle lower ID=6mm	Cut 200 Cut 300 Cut 400
C210-2	135011018		Water nozzle ID=2mm	Cut 20, Cut 30 Cut 20P, Cut 30P
C211	135005189 135011829		Lower nozzle ID=12mm For Taper cutting up to 45°	RFL 240, 440, 240CC, 440CC
C212	200542917		Nozzle Upper head Ø6	RFL x30F/x40F Cut 20, Cut 30 Cut 20P, Cut 30P
C213	200630803		Water nozzle Lower	Robofil 2030TW, 4030TW, 6030TW
C214	206416330		Water nozzle Lower Including SUS Insert	Robofil 2030TW, 4030TW, 6030TW















C215	104490300		Water nozzle Lower Ø16	Robofil
C216	200448474		SUS Ring for C206, C213, C218, C219	Robofil Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300, Cut 400
C217	204486600		Nozzle Kit	Robofil Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300, Cut 400
C218	135006840		Nozzle ID=6.00mm	Robofil x40 series Cut 20, Cut 30 Cut 20P, Cut 30P
C219	135016946		Water nozzle upper ID=6mm Speed edition	Cut 200 Cut 300 Cut 400
A322	590155772		Diaphragm upper and lower Ø9mm	Cut 1000 Cut 2000 Cut 3000
A351	201.702		Diaphragm Ø9mm	Cut 1000 Cut 2000 Cut 3000
	590173952		Diaphragm Ø7,5mm	Actspark Xenon














Other parts














C004	100441275		Centering eye tungsten carbide 19 x 10 x 0.80 mmT	RFL 310/510/x000 series Robofil 1000,2000,4000,6000 240, 440, 240CC, 440CC, CUT 20, CUT 30
C005C	332015168		Guide Pulley Lower Ceramic DxdxW 63x16x25mm	Cut 20, Cut 30 Cut 20P, Cut 30P
C300 C448679	100448679		Contact sleeve for lower head ID8+ID16 x OD20 x L16mm	RFL 3x0/5x0 series
C404 C003362	130003362		Contact sleeve lower head long type OD20 x ID16 x 5mmL + OD20 x ID12 x 19 mmL / Total=24 mmL	RFL x030 series
C301 C446736	100446736		Grounding cable lower for contact brush (446.687)	RFL 290/x10 RFL 300,310,500,510

C302	104447530		Power feed supply Upper Ø6,0mm	RFL 300,310,500,510 1000, 1020
C302-1	206400700		Power feed supply 0.10mm feeding	Robofil 1020, 2020, 4020, 6020
C302-2	204428560		Contact Upper	Robofil 200/400/600
C302-3	206410020		Power feed supply Upper	Robofil 2030(SI)/4030(SI) 6030(SI)+TW
C302-4	135009509		Power feed supply Ø7,0mm	Robofil 240CC/440CC 240SLP/440SLP
C4329070	104329070		Injection chamber upper complete	RFL 310/510 series
C4329080	104329080		Injection chamber upper complete	RFL 310/510 series
C303 C4329700	104329700		Injection chamber upper empty with AWT-option	RFL 290, 300, 310, 500, 510, 240, 440, 240CC, 440C
C304 C4329690	104329690		Injection chamber lower empty without AWT-option	RFL 290/310/510 series Only upper for RFL 300/500
C4312140	204312140		Injection chamber lower empty	RFL x00 series
C4312150	204312150		Injection chamber upper empty	RFL x00 series
C4487120	204487120		Injection chamber lower empty	RFL 1020/1020.1
C4489700	204489700		Injection chamber upper empty with fine wire option	RFL 1020/1020.1/x030si
C6401090	206401090		Injection chamber lower empty	RFL 1020/1020.1/x030si

C4335890	4335890		Injection chamber upper complete	RFL 1020/1020.1
C4335900	4335900		Injection chamber lower complete	RFL 1020/1020.1
C305	100441423		Nozzle Head Upper and Lower Ceramic	Robofil Series Cut 200, Cut 300 Cut 400
C308 C446365	100446365		Crimping gear wire evacuation lower head D=36 mm	RFL 3x0/5x0
C309	100445225		Bushing For injection Chamber	
C310	200620055		Injection Chamber Lower	Robofil 2020, x020
C311	204489700		Injection Chamber Upper	Robofil 2030SI, 4030SI, 6030SI + TW 240,440,640+CC Cut 20, Cut 30, Cut 20P, Cut 30P
	135016321		Injection chamber upper	Cut 200, Cut 300, Cut 400
C312	206401090		Injection Chamber	Robofil 2030SI, 4030SI, 6030SI + TW
C401	130003359		Wire drive pinch roller for tim-head / left, without groove OD50 x ID12 x 14 mmT	Robofil 290/300/310/500/510/690
C401T	130003359		Wire drive pinch roller for tim-head – long life / left, without groove OD50 x ID12 x 14 mmT	Robofil 290/300/310/500/510/690
C402	130003360		Wire drive pinch roller with 2-grooves for tim-head / right OD50 x ID12 x 14 mmT	Robofil 290/300/310/500/510/690
C402T	130003360		Wire drive pinch roller - long life, with 2-grooves for tim-head / right OD50 x ID12 x 14 mmT	Robofil 290/300/310/500/510/690

C005	100449019 130003174 (630003359)		Wire drive pinch roller / left, without groove OD50 x ID8 x 24 mmT	Robofil 290/300/310/500/510
C005T	100449019 130003174 (630003359)		Wire drive pinch roller –long life / left, without groove OD50 x ID8 x 24 mmT	Robofil 290/300/310/500/510
C006	100449359 130003173 (630003360)		Wire drive pinch roller with groove / right OD50 x ID8 x 24 mmT	Robofil 290/300/310/500/510
C006T	130003173		Wire drive pinch roller – long life with groove / right OD50 x ID8 x 24 mmT	Robofil 290/300/310/500/510
C403	100446687		Contact brush lower	RFL 290F,3x0/5x0
C403-1	100446688		Contact Brush Holder Lower	Robofil 290F,300,310,500,510
C501			Cutter upper Ceramic	Robofil 100,200,290,300,310 500,510,600,1020, 2020,4020
C445990	100445990		Ceramic counter cutter blade D=19.0 x 5.0mm	
C502	200448792 (442.848)		Counter Cutter Upper Ceramic	Robofil 100,200,290,300,310 500,510,600,1020, 2020,4020
C502HM	200448792 (442.848)		Counter Cutter Upper Moving cutter tungsten carbide D=9.0 x 4.1mm	Robofil 100,200,290,300,310 500,510,600,1020, 2020,4020
C503 C434447	100434447/ long life 100434447/T		Cutter Z16, special carbide for long life	OD30 x ID12 x 6mmT RFL 230/290/2030 330F,240,440, 240CC, 440CC
			Cutter Z16, standard carbide – coated	
C505	200422631 135009529		Cover for Cutter For C503	RFL 330F,240,440, 240CC, 440CC Cut 200, Cut 300, Cut 400
C507	135013556		Counter Cutter	Robofil 640CC, 640CCS
C508	135013557		Cutter	Robofil 640CC, 640CCS

C509	200641638 200641017		Chopper	ROBOFIL 2030Si, 4030Si,6030Si +TW
C510	200641639 200641008		Counter Cutter	ROBOFIL 2030Si, 4030Si,6030Si +TW
C601	104314360		Wire evacuation Roller Complete	Robofil 100,200,290,300,310 500,510,600,1020, 2020,2030,4020,4030,6020
C601-1	100445441		Spring for C601	Robofil 100,200,290,300,310 500,510,600,1020, 2020,2030,4020,4030,602
C602	135009479 (200543722)		Lead in Tube to Cutter Lower	Robofil 230,330,240,440, 240CC,440CC
C603	100445138		Sleeve Support Upper	ROBOFIL 290,290P,300,310 310F,330F 2020Si,4020Si
C603-1	100445139		Nut Terminal Head Upper	ROBOFIL 290,290P,300,310 310F,330F 2020Si,4020Si
C604-1	200430243		Gas Spring 100N	ROBOFIL 100,200,400,600
C604-2	135005563		Gas Spring 200N	ROBOFIL 100,200,400,600, 2000,4000,6000 2020,4020,6020
C605	204464740		Braid with Contact	
C606	100446689		Draw Spring	
C343525	100343525		Contact brush annealing (holder 342.185) 4x4x15mm	Robofil 310/510/x020/x030 series
C607 C608	200445439 200447082		Contact brush for ABB/BBC/NIDEC motor Charmilles Carbon Brush 6.96 x 3.92 x 15mm	For BBC Motor Cut 20, Cut 30 Cut 20P, Cut 30P


C608-1	902124361		Carbon Brush 3.00 x 1.92 x 7.35mm Set (2pcs.)	ROBOFIL 500,510,690,240, 440,2030,4030, 6030Si
C200.010.031	200010031		Contact brush for tachometer of ABB/BBC/NIDEC motor 2.94 x 1.96 x 7.15mm Charmilles	ROBOFIL 500,510,690,240, 440,2030,4030, 6030Si
C200.000.893	200000893		Set carbon brush brackets for motor (set = 1pc of black + 1pc of red bracket)	
C640	206410050		Guide Channel Upper	Robofil 2030,4030,6030 240/440 Cut 20, Cut 30 Cut 20P, Cut 30P
C641	135001191		Stainless sleeve nut for lower guide	Robofil 330F,240,440 240CC, 440CC Cut 20, Cut 30 Cut 20P, Cut 30P
C642	100343525		Contact Brush 3.90 x 3.90 x 15mm	Robofil 500,510,1020 2020,4020,6020, 240,440,240CC,440CC Cut 20, Cut 30, Cut 400
C643	200543838		Contact plate Lower	RFL 330F, 240,440, 240CC,440CC Cut 200, Cut 300, Cut 400
C643-1	135009523		Contact plate Lower	Robofil 240SL, 440SL Cut 200, Cut 300, Cut 400
C644	204476280		Contact braid W-Module Upper	Robofil 500,510,1020, 2020,4020,6020, 240,440,240CC,440CC Cut 200, Cut 300, Cut 400
C644-1	135008469		Contact braid upper WV-Module	Cut 20, Cut 30 Cut 20P, Cut 30P Cut 200, Cut 300, Cut 400
C645	100542854		Spring lower For C503	Robofil 330F,240,440, 240CC,440CC
	100543287		Spring lower	Cut 200, Cut 300, Cut 400
C646	100999065		Fan 115V 119x119x38mm	Robofil 100,200,400,600,1020,2020






C647/115 C647/230	200999100		Fan 115V 150x172x38mm Fan 230V 150x172x38mm	Robofil 330F Cut 200, Cut 300, Cut 400
C648	100446201		Spring F=1.0 mm D=32.0 mm for lower water nozzle	Robofil 300,310,500,510
	100447060		Spring for upper water nozzle	Robofil 300,310,500,510
C660	200434002		Support contact lower head 19 x 25 mm	RFL 230/330F/240/440
C661	100444728		Lower contact support 15 x 15 x 24 mm	RFL x000/x020 series
C662	100443210		Contact holder lower	Robofil 100,200,400,600
C663	100444750		Upper contact support 13 x 13 x 24 mm	RFL 290/x10/330F/x000/x020 Cut 20, Cut 30
C664	135011543		Power feed holder	ROBOFIL 2030(SI)/4030(SI) 6030(SI)+TW
C665	333014035		Contact support Lower	Robofil Cut 20, Cut 30 Cut 20P, Cut 30P
C666	135008364		Power feed holder	Robofil Cut 20, Cut 30 Cut 20P, Cut 30P
C667	135016089		Power feed contact holder upper	Cut 20, Cut 30 Cut 20P, Cut 30P Cut 300 – „golden edition (milenium)“ Cut200, Cut300, Cut400
	135008366		Spacer	Cut 20, Cut 30 Cut 20P, Cut 30P Cut200, Cut300, Cut400
	200542925		Washer special	Cut 200, Cut 300, Cut 400

C700	200443211		Brass Screw M5 Lower For C662	Robofil 100,200,400,600
C701	100445792 135015151		Float switch	Robofil series Cut 200, Cut 300, Cut 400
C702	200443965		Nut	Robofil series
C703	100446253		Cleaning pad rubber type	
C704	200444496		Filter canister gasket	Robofil 100,200,400,1020
C705	100444709		Tank door seal 2.5 Mtr.	Robofil series
C705A	200434418		EPDM „Mouse“ Seal 20x20mm	Robofil series
C705B	135009448		EPDM „Mouse“ Seal 15x20mm	
C706	100430610		Wire drive motor UGTMEM-03LBB11	Robofil series
C706-1	100430039		Motor Typ: UGTMEM-06LBB31 Without geared bush	Robofil 190,200,500,510,2020
C707	130005464		Nut wire guide	ROBOFIL 390,690
C708	200542918		Nut upper	Robofil 230,330,330F,390,690, 240SF,440SF, Cut 20, Cut 30 Cut 20P, Cut 30P
C709	200342978		Oil Seal	ROBOFIL 100,200,400,600
C710	200640978		Nozzle Ceramic	Robofil 2030,4030,6030, 240SL,440SL Cut 20, Cut 30 Cut 20P, Cut 30P

C711	200640979		Support Ceramic	Robofil 2030,4030,6030, 240SL,440SL Cut 20, Cut 30 Cut 20P, Cut 30P
	333014031		Guide lower head	Cut 20, Cut 30 Cut 20P, Cut 30P
	333017383		Support Lower guide	Cut 20, Cut 30 Cut 20P, Cut 30P
	333017384		Interface Lower guide	Cut 20, Cut 30 Cut 20P, Cut 30P
	332014049		Lower Contact Nut	Cut 20, Cut 30 Cut 20P, Cut 30P
C712	200641003		Cam lever Ceramic	Robofil 2030,4030,6030
C713	204448200		Roller lower Ceramic	Robofil 100,200,400,600,1020,2020 4020,6020
C714	205442410		Break roller complete	Robofil 310,510,1020,2020,4020
C715	200440552		Brass pulley Wire treading	Robofil 10,200,400,600
C716	104449640		V-Roller Ø80	Robofil 240/440
C717	135009516		Sapphire holder L=38.5mm	ROBOFIL 240CC,440CC
C718	200434475		Sapphire holder L=42.5mm	Robofil x30F/x40F series
C719	200434584		Sapphire holder	ROBOFIL 240,440,640









C720	135012681		Sapphire holder	ROBOFIL 230F,240,330F, 440,640
C721	206308280		Holder	Robofil 240/440
C722	200442925		Contact holder upper	Robofil 100,200,400,600
C723	130002082		Roller	Robofil 190
C724	135009524 135014937		Tension roller for belt	Robofil 240,440,640 Cut 200, Cut 300, Cut 400
C725	135014443		Brush	Robofil 640CC
Blasolube 301	Blasolube 301 (200449142)		Grease Blasolube 301 900g	Robofil series
Blasotop (C728)	Blasotop (135005497)		Grease Blasotop = Blasolube 301 in tube 400g	Robofil series
	135009544 200434544		V- Guide	Cut 200, Cut 300, Cut 400
C729	200641117		Valve	ROBOFIL 2030Si,4030Si, 6030Si + TW
C730	100432352		Drive shaft	ROBOFIL 300,310,500,510
C731	100432353		Pinch roller shaft	Robofil 3x0/5x0 series
C732	100341550 135009420		Filter housing complete	Robofil 300,310,500,510,1020

C733	100446863		Bellow	ROBOFIL 290,300,310
C734	135009480		Barrel for cutter	Cut 200, Cut 300, Cut 400
C735	135009524 135014937		Tension roller	Robofil 240/440
C736	100444600		Bearing stainless steel 28x12x8mm	
	100542866		Gear Wheel	Cut 200, Cut 300, Cut 400
C737	130003228		Crimp gear wheel	ROBOFIL 190,290,300,310, 500,510,690
C738	109412034		Seals set	Cut 20, Cut 30 Cut 20P, Cut 30P Cut 20, Cut 300, Cut 400
	590002254		Wire draw rollers Ø0,03-0,33mm set 2pcs.	Cut 1000 Cut 2000 Cut 3000
C739	135000573		Valve	ROBOFIL 240,440
C740	135008865		Pneumatic cartridge	ROBOFIL 290
C741	200448165		Filter canister gasket	ROBOFIL series
	590860127		Bearing 22xID8mm	Cut 1000 Cut 2000 Cut 3000
	664.807		O-ring 2,50x1,00mm	Cut 1000 Cut 2000 Cut 3000
	590832267		O-ring 3,80x1,50mm	
	590832147		O-ring 5,00x1,00mm	

	890831457		O-ring 6,00x1,50mm set pf 5pcs.	
	590645537		O-ring 7,00x1,00mm	
	890832117		O-ring 8,00x1,00mm	
	590830527		O-ring 8,00x2,00mm	
	590628107		O-ring 10,00x1,00mm set pf 5pcs.	
	590601507		O-ring 10,00x2,00mm	
	590.830.307		O-ring 11,00x1,50mm set pf 5pcs.	
	590692067		O-ring 11,00x2,00mm set pf 5pcs.	
	590692647		O-ring 12,00x3,00mm set pf 5pcs.	
	590831797		O-ring 13,00x2,00mm	
	590832127		O-ring 15,00x1,50mm	
	590692027		O-ring 16,00x1,00mm	
	673.937 689.837		O-ring 16,00x1,50mm set pf 5pcs.	
	590674237		O-ring 20,50x0,80mm	
	663.597		O-ring 24,00x1,50mm	
	590664827		O-ring 25,00x1,50mm	
	590831367		O-ring 44,00x2,00mm	
	691.957		O-ring 125,00x2,00mm	
	312016486		O-ring 20,00x1,80mm set pf 5pcs.	Cut 20, Cut 30 Cut 20P, Cut 30P
	312014060		O-ring 3,55x1,80mm set pf 5pcs.	
	312014062		O-ring 6,70x1,80mm set pf 5pcs.	
	312014064		O-ring 18,00x1,80mm set pf 5pcs.	
	312014057		O-ring 10,00x1,00mm set pf 5pcs.	Cut 200, Cut 300, Cut 400
	590831317		O-ring 12,00x1,00mm set pf 5pcs.	Cut1000, Cut2000, Cut3000
	590647747		Bearing 35xD15mm	Cut 1000 Cut 2000 Cut 3000
	590692367		Bearing 15xD6mm	Cut 1000 Cut 2000 Cut 3000






	694.197		Bearing 35xID15mm set of 2pcs	Cut 1000 Cut 2000 Cut 3000
C742	135014820		Bearing	ROBOFIL Series Cut 1000 Cut 2000 Cut 3000
C742/VA	135014820_VA		Bearing stainless	
C743	100444654		Bearing	ROBOFIL Series
C744	100448573		Bearing	ROBOFIL Series
C745	200440037		Seal	ROBOFIL 100,200,400 1020,2020,4020,6020
C746	200544160		Seal	ROBOFIL 100,200,400 1020,2020,4020,6020
C747	135005953		Suction Tube	ROBOFIL 230F,240, 330,440 Cut 20, Cut 30 Cut20P, Cut 30P Cut 200, Cut 300, Cut 400
C748	135005957		Nozzle	Cut 20, Cut 30 Cut20P, Cut 30P Cut 200, Cut 300, Cut 400
C749	200542916		Spacer	Cut 20, Cut 30 Cut20P, Cut 30P
	200542366		Nut	Cut 20, Cut 30 Cut20P, Cut 30P
	135018282		Whistle for cutter	Cut 200, Cut 300, Cut 400
	135005748 135002170		Tankdoor seal	Cut 300
	135006434 135000528		Tankdoor seal	Cut 200

	590459524		Blowing nozzle for Brake	Cut 1000 Cut 2000 Cut 3000
A309	590326604		Brake ring set	Cut 1000 Cut 2000 Cut 3000
	590326944		Tension spring for brake	Cut 1000 Cut 2000 Cut 3000
	590395044		Spring	Cut 1000 Cut 2000 Cut 3000
	590395354		Wiper spring	Cut 1000 Cut 2000 Cut 3000
A311	590417964		Wire cutter 10x5	Cut 1000 Cut 2000 Cut 3000
A319	590191593		Cutter blade special	Cut 1000 Cut 2000 Cut 3000
A326	590833974		Cutter blade 8.5x20.5	Cut 1000 Cut 2000 Cut 3000
A327	590848614		Cutter blade	Cut 1000 Cut 2000 Cut 3000
A336	590426494		Inner nozzle Ø1.8	Cut 1000 Cut 2000 Cut 3000
	590435664		Tube for wire guide upper Ceramic	Cut 1000 Cut 2000 Cut 3000
A338	590250433		Nozzle Ø2.35	Cut 1000 Cut 2000 Cut 3000
	590202032		Geared wheel	Cut 1000 Cut 2000 Cut 3000



	590202052		Geared wheel	Cut 1000 Cut 2000 Cut 3000
	590834124		Bush	Cut 1000 Cut 2000 Cut 3000
	590459504		Wire detector	Cut 1000 Cut 2000 Cut 3000
	590836084		Nozzle	Cut 1000 Cut 2000 Cut 3000
	590395044		Spring	Cut 1000 Cut 2000 Cut 3000
	100441726		Spring	Robofil 200/300
C444441	100444441		Precision indicator - Analogue lever. Range – 0,6 mm. Graduations – 0,002 mm.	
C444709	100444709		Tank door rubber seal D=12 mm	Roboform 100. 200 Robofil series
	100447762		Geared wheel 15 teeth OD16,90mm / OD 12mm ID=8mm L=13.1mm / 8.4mm	
	130003232		Geared wheel 15 teeth OD17mm / OD12mm ID = 8mm; L=17 mm / 9mm	
	104466590		Pulley complete for spool drive	Robofil 3x0/5x0/x30F/x40F series
C542999	100542999		Wire drive pulley OD=40 x ID=12 x 6.0 mmT	RFL 230F/330F Robofil 240/440/240CC/440CC
C542999G	100542999		Wire drive pulley / Tin coating OD=40 x ID=12 x 6.0 mmT	RFL 330F Cut 200, Cut 300, Cut 400











C135001012	135001012		Cutter knife tungsten carbide D=8 x 14 mm	RFL 330F/440
C440764	200440764		Axis for roller 204448190 & 204448200	
C440765	200440765		Ceramic roller complete 204448200 + Axis 200440764	
C440769	200440769		Derin roller complete 204448190 + Axis 200440764	
C4448190	204448190		Roller complete lower head delrin	
	200544240		Brake roller empty	RFL 3x0/5x0/x020 series Robofil x30F/x40F series
C002	806549		Current supply tungsten carbide round type lower D=25 x 6.0 x 6.4 mm	RFL x00 series
	135001194		Clamping nut	RFL 330/x40 series
	135006130		Power cable lower	Robofil 440CC
	135006394		Locking nut Against nut M22*1 EP.3	
	320.067		Sapphire wire guide	CH 452, 552
	641.604		Tube / nozzle d10 / D13 mm	Robofil 330F .x40 .x40SL series
	135009224		Linear actuator, 24V, IP66	


Air filters for electric generator´s frames







C8626140	108626140		Generator air filter 315 x 450 x 20 mm	RFL 310/510
C8626260	108626260		Air filter 275 x 500 x 20 mm	Roboform series
C8732900	108732900		Air filter generator door 210 x 275 x 20 mm	RFL 510
C992004	200992004		Generator air filter 373 x 497 x 20 mm	Roboform100 series Robofil 310 series
C992007	200992007		Generator air filter 248 x 497 x 20 mm	RFL x020 series
C999164	200999164			
C992009	200992009			

Belts





C0056	100447506		Brake belt /black & pleat 20 x 640 mm	RFL 290/x10/330F/230/x020
C0059	200447806		Brake belt /black & pleat 20 x 675 mm	RFL x000/x020 series
C0061	200542408		Brake belt /black & pleat 20 x 750 mm	RFL x020/x030 series SI series
C670	200441279		Geared belt X/Y/Z	200441279
C671	200444279		Geared belt	
C672	200444581		Geared belt	
C673	200444665		Geared belt evacuation	
C674	200444790		Geared belt evacuation	
C675	100446352		Geared belt	
C676	100446494		Geared belt	
C677	100446544		Geared belt Y/V Axis	






C678	100446545		Geared belt X/U/V	
C679	100447221		Geared belt	
C680	100447708		Geared belt X/U Axis	
C681	200447945		Geared belt	
C682	200447946		Geared belt	
C683	200447960		Geared belt V-Axis	
C684	200542821		Geared belt	
C685	200543463		Geared belt	
C686	200440039		Geared belt	
C687	200544059		Geared belt	
C688	130000276		Geared belt	
C0055	100446880		Spool drive belt 400x20mm	Cut 20, Cut 30 Cut 20P, Cut 30P
C0056	100447506		Brake belt 640x20mm	Cut 20, Cut 30 Cut 20P, Cut 30P
	200543463		Gear Belt	Cut 200 Cut 300 Cut 400
	100257015		Gear Belt	Cut 200 Cut 300 Cut 400
	590698287		Gear Belt	Cut 1000 Cut 2000 Cut 3000
C522	100446880		Belt for spool drive 20 x 400 mm	RFL 290/310/510
C340780	200340780		Wire driving belt 15 x 450 mm	CH452/552
C507	200340781		Conveyer belt 15 x 3000 mm	
C501	200341182		Conveyer belt 15 x 3050 mm	
C502	200341253		Conveyer belt 15 x 3250 mm	









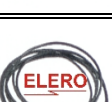



C503	341373		Conveyer belt 15 x 3350 mm	
C504	341403		Conveyer belt 15 x 4580 mm	
C505	341404		Conveyer belt 15 x 5180 mm	
C506	341408		Conveyer belt 15 x 3100 mm	
C508	341805		Conveyer belt 15 x 3150 mm	
C509	341806		Conveyer belt 15 x 3300 mm	
C510	200342211		Conveyer belt 15 x 5040 mm	CH452
C511	200342212		Conveyer belt 15 x 5600 mm	CH552
C342403	342403		Conveyer belt L=4580 mm	
C342404	342404		Conveyer belt L=5180 mm	
C441949			High performance flat belt 15 x 3090 mm	RFL 200
C512	200440864		Conveyer belt 15 x 3030 mm	RFL 200
C513	200441192		Conveyer belt 15 x 3545 mm	RFL 400/600
C0045	200442546		Conveyer belt 15 x 2600 mm	RFL 100
C442937	200442937		Wire conveyer belt for brake 20 x 730 mm	RFL 200
C515	200442938		Wire conveyer belt for brake 20 x 690 mm	RFL 100/400/600
C519	200445231		Belt for motor wire drive 20 x 540 mm	RFL 290/310/510


C517	200447768		Wire evacuation belt - one side black 20 x 5250 mm	RFL x000/x020 series
C520	200447769		Conveyer belt -one side black 20 x 720 mm	RFL x020
C518	200447805		Belt for spool drive - one side black 20 x 485 mm	RFL x000/x020 series
C640664	200640664		Conveyer belt - one side black 20 X 3520 mm	RFL 2030si
C640665	200640665		Conveyer belt - one side black 20 X 4060 mm	RFL 4030si/6030si
C0064	135008141 135020378		Belt 20 x 3940 mm	

Cables

C630 C432528	100432528		Machining cable lower LG. 1100 mm	RFL 290/3x0
C448008	100448008		New Nr. 942007 Grounding cable 15 x 200 mm	RFL 290/x10 series
C448328	100448328		Grounding cable LG. 15 x 500 mm	RFL 290/x10/500/510
C942007	100942007		Grounding cable LG. 15 x 200 mm	RFL 290/x10 RFL 2020/330F/ 4020/6020
C942008	100942008		Grounding cable 15 x 300 mm	RFL 290/x10 RFL 2020/330F/ 4020/6020

C942008	100942009		Grounding cable 15 x 500 mm	RFL 2020/x030 series
C609 C330790	200330790		Ground cable upper & lower LG. 530 mm	RFL 100
C330791	200330791		Ground cable LG. 750 mm	RFL 200
C610 C430998	200430998		Ground cable LG. 650 mm	RFL 200RF1200/2050TW/ 4020/4020.1/4020SI/ 4030SI/4030TW
C611 C430999	200430999		Ground cable LG. 850 mm	RFL 400
C612 C431213	200431213		Power supply cable LG. 950 mm	RFL 600
C613 C431376	200431376		Power supply cable LG. 1200 mm	RFL 600
C621 C431870	200431870		Ground cable lower LG. 800 mm	RFL 600/6020/6030TW
C431871	200431871		Ground cable lower LG. 450 mm	RFL 2000/2020/100
C631 C433309	200433309		Ground cable upper LG. 2000 mm	RFL 5x0
C635	135006123		Power cable LG. 1520 mm	RFL 240/240CC/ 240CCS/ 240SL/240SLP
C629 C433310	200433310		Ground cable lower LG. 1450 mm	RFL 5x0
C616 C433564	200433564		Braid lower LG. 500 mm	RFL 1020/2020/2030
C622 C942009	200942009		Grounding cable 15 x 500 mm	RFL 2020/x030
C614 C4454940	204454940		Ground cable upper-left LG. 950 mm	RFL 2000

C615 C4454950	204454950		Ground cable upper-right LG. 700 mm	RFL 2000
C617 C4454960	204454960		Ground cable upper-left LG. 1150 mm	RFL 4000
C618	204454970		Ground cable LG. 900 mm	RFL 6020/6020.1/ 6020SI/6030SI/ 6030TW
C619 C4454980	204454980		Ground cable	
C620 C4454990	204454990		Ground cable	
C623 C4462160	204462160		Ground cable upper-left LG. 950 mm	RFL 1020/2020/2030
C624 C4462170	204462170		Ground cable upper-right LG. 700 mm	RFL 1020/2020/2030
C625 C4462180	204462180		Ground cable upper-left LG. 1150 mm	RFL 4020
C626 C4462190	204462190		Ground cable upper-right LG. 875 mm	RFL 4020
C627 C4462200	204462200		Ground cable upper-left LG. 1280 mm	RFL 6020,6030
C628 C4462210	204462210		Ground cable upper-right LG. 1030 mm	RFL 6020,6030
C632	205432750		Power cable LG. 1700 mm	RFI 330F
C633	135000217		Power cable LG. 880 mm	RFL 230F/240/240SL/ FI240SLP

C634	135006130		Power cable LG. 1330 mm	RFL 440CC/440CCS
	135006131		Power cable LG. 900 mm	RFL 240CC/240CCS