

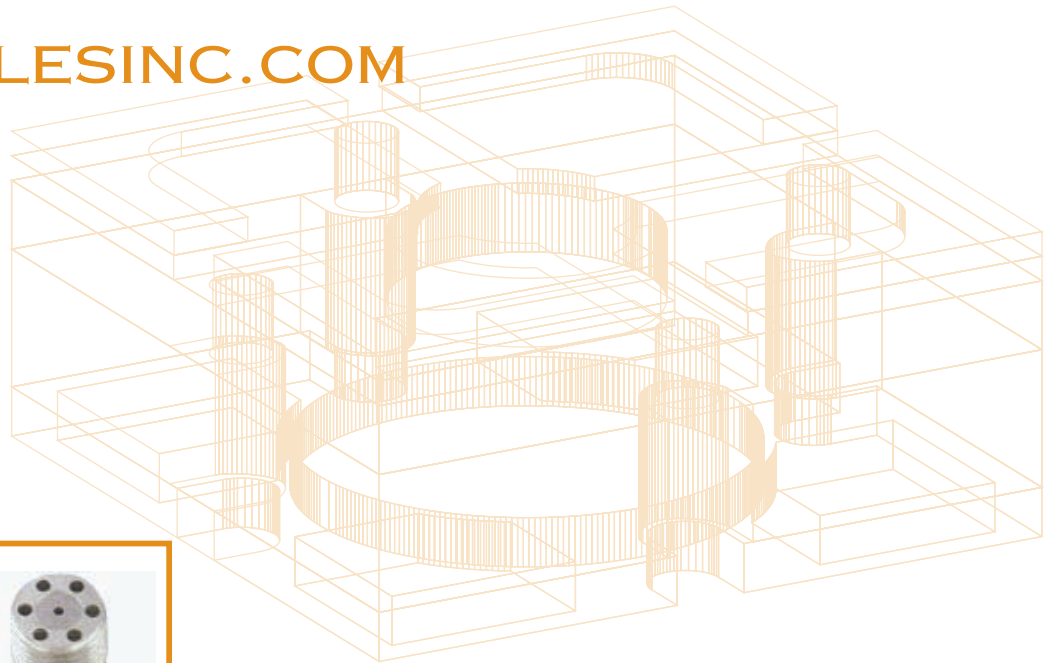
# CHARMILLES

**EDM**  
Sales & Supplies, Inc.

2011



[WWW.EDMSALESINC.COM](http://WWW.EDMSALESINC.COM)



Wire Guide						
Picture	Code No.	Original P/No.	Dimension	Position	Application	Price(USD)
	C101C	100.431.022 200.431.114 200.431.112 100.432.511 200.432.512	Φ 0.102 Φ 0.152 Φ 0.202 Φ 0.252 Φ 0.302	Upper	Robofil series Ceramic housing+diamond insert (OD6.0 x 4.0mmT)	300.00
	C102C	100.431.027 200.431.124 200.431.122 100.430.586 200.432.814	Φ 0.102 Φ 0.152 Φ 0.202 Φ 0.252 Φ 0.302	Lower	Robofil series Ceramic housing+diamond insert (OD5.0 x 4.0mmT)	300.00
	C101	100.431.022 200.431.114 200.431.112 100.432.511 200.432.512	Φ 0.102 Φ 0.152 Φ 0.202 Φ 0.252 Φ 0.302	Upper	Robofil series Stainless housing+diamond insert (OD6.0 x 4.0mmT)	227.50
	C102	100.431.027 200.431.124 200.431.122 100.430.586 200.432.814	Φ 0.102 Φ 0.152 Φ 0.202 Φ 0.252 Φ 0.302	Lower	Robofil series Stainless housing+diamond insert (OD5.0 x 4.0mmT)	227.50
	C107	204.339.860 2040339.85 204.339.840	Φ 0.202 Φ 0.252 Φ 0.302	Lower	Robofil 230. 330 series	325.00
Power Feed Contact						
Picture	Code No.	Original P/No.	Dimension	Position	Application	Price(USD)
	C001	100.432.997	12x12x5	Common	Robofil 100. 200. 400. 600 series Tungsten carbide Ref. 100.342.166	18.30
	C001G	100.432.997	12x12x5	Common	Robofil 100. 200. 400. 600 series TiN coated. Tungsten carbide Ref. 100.342.166	33.00
	C002	- - -.806.549	Φ25x6x6.4	Lower	Robofil 100. 200. 400. 600 series Tungsten carbide	45.00
	C003	- - -.106.462	Φ9.5x3.8x3	Common	Robofil 320. 330. 630. 930 series Tungsten carbide	27.00
	C004	100.441.275	10x19x1T	Center eye	Robofil 100. 200. 400. 600 series Centering eye	42.00
	C005	130.003.174	Φ50xΦ8x24T	Left	Robofil 290. 300. 310. 500. 510 series TiN coated - Gold color / Ref. 449019 Wire driving pulley <b>without groove</b>	114.00
	C005A	"	Φ50xΦ8x24T	Left	Robofil 290. 300. 310. 500. 510 series TiAlN coated - Grey color Wire driving pulley <b>without groove</b>	189.00

# CHARMILLES

Power Feed Contact						
Picture	Code No.	Original P/No.	Dimension	Position	Application	Price(USD)
	C005 -1	130.003.359	Φ50xΦ12x14	Left	Robofil 290. 300. 310. 500. 510 series TiN coated - Gold color / Ref. C401 Wire driving pulley without groove	114.00
	C005 -1A	"	Φ50xΦ12x14	Left	Robofil 290. 300. 310. 500. 510 series TiAlN coated - Grey color / Ref. C401A Wire driving pulley without groove	159.00
	C006	130.003.173	Φ50x8x24 Distance : 6x4x4x4x6	Right	Robofil 290. 300. 310. 500. 510 series TiN coated - Gold color / Ref. 449.329 Wire driving pulley with 4 groove	123.00
	C006 A	"	Φ50x8x24 Distance : 6x4x4x4x6	Right	Robofil 290. 300. 310. 500. 510 series TiAlN coated - Grey color Wire driving pulley with 4 groove	198.00
	C006 -1	130.003.360	Φ50x12x14 Distance : 6x2x6	Right	Robofil 290. 300. 310. 500. 510 series TiN coated - Gold color / Ref. C402 Wire driving pulley with 2 groove	123.00
	C006 -1A	"	Φ50x12x14 Distance : 6x2x6	Right	Robofil 290. 300. 310. 500. 510 series TiAlN coated - Grey color / Ref. C402A Wire driving pulley with 2 groove	192.00
	C007	200.630.654	12x12x10	Upper	Robofil 2030. 4030. 6030SI series Material : Tungsten carbide	39.00
Flushing Nozzle						
Picture	Code No.	Original P/No.	Dimension	Position	Application	Price(USD)
	C201	100.432.351	Φ33.5xΦ7x15.5	Common	Robofil 3xx. 5xx series Replaced to 421.290~292 & 444.725~727	30.00
	C202	100.443.733	M45x1.5x11H	Common	Robofil 3xx. 5xx series Plastic nut	10.50
	C203	100.446.021	M45x1.5x12H ID=5.5	Nozzle	Robofil 3xx. 5xx. 1020. M series Flat nozzle standard type	10.50
	C204	100.447.011	M45x1.5x19H	Upper	Robofil 3xx. 5xx series Plastic nut	28.50
	C205	100.448.473	M45x1.5x11H ID=5.5	Nozzle	Robofil 3xx. 5xx series Flat nozzle type	10.50
	C206	100.449.031	M45x1.5x12H ID=7.0	Nozzle	Robofil 3xx. 5xx. 1020. M series Standard nozzle type	10.50
	C207	135.001.194		Nut	Robofil 3xx. 5xx. 1020. M series Clamping nut	13.50

Please call for pricing if product you are looking for is not in catalog.

1.800.888.9080

# CHARMILLES

Flushing Nozzle						
Picture	Code No.	Original P/No.	Dimension	Position	Application	Price(USD)
	C208	100.431.787	ID=1.8	Nozzle	Robofil series Threading nozzle of ceramic	159.00
	C209	100.431.958	ID=0.8	Nozzle	Robofil series Threading nozzle of ceramic	159.00
	C210	135.001.193	ID=6.0	Nozzle	Robofil 3xx. 4xx. xx40 series	7.50
	C211	135.001.194		Nut	Robofil 3xx. 4xx. xx40 series Clamping nut	13.50
	C212	135.005.189	30xΦ12x33H	Lower	Robofil series Lower head	16.50
	C213	135.006.394	M22x1	Nut	Robofil series Locking nut	12.00
	C214	135.006.840	ID=6.0	Nozzle	Robofil series	18.00
	C215	135.011.828	ID=6.0	Nozzle	Robofil series	call for price
	C216	200.542.646	30xΦ6.0x33H	Lower	Robofil 3xx. 4xx series Nozzle for lower head	16.50
	C217	200.542.917	M45x1.5x21	Upper nozzle	Robofil 1xx. 3xx. 5xx. 10xx. M/F series	12.00
	C218	200.641.617	30xΦ6.0x33H	Lower	Robofil 3xx. 4xxF series Nozzle for lower head	18.00
	C218 L	200.641.617	30xΦ6.0x33H	Lower	Robofil 3xx. 4xxF series Nozzle for lower head	call for price
	C219	204.455.850	Φ32xΦ12.3x15.5	Common	Robofil 3xx. 5xx series Taper nozzle with SUS cover	33.00

Please call for pricing if product you are looking for is not in catalog.

1.800.888.9080

# CHARMILLES

Various						
Picture	Code No.	Original P/No.	Dimension	Position	Application	Price(USD)
	C301	- - -.342.997		Cover	Robofil 3xx. 5xx. 1020. M series ( 20pcs set ) for 444.820	call for price
	C302	100.343.525			Robofil 3xx. 5xx series Contact brush annealing Ref. 100.342.185	15.00
	C303	- - -.351.624		Arm	Robofil 3xx. 5xx series	call for price
	C304	100.432.353			Robofil 3xx. 5xx series Shaft for pinch roller	60.00
	C305	100.432.545	Φ14.5xΦ2.5 11H	Upper	Robofil 3xx. 5xx series Swivel nut	call for price
	C306	200.434.002	19x25	Lower	Robofil 2xx. 3xxF series Contact support lower head	57.00
	C307	100.434.447	Φ30xΦ12x6	Cutter Z16	Robofil 2xx. 3xxF series Cutter Z16	150.00
	C308	200.434.475			Robofil x30F. x40F series Sapphire holder	138.00
	C309	100.434.525	16mmL		Robofil 3xx. 5xx. 10xx series Contact brush of holder-342.185 Material : Copper tungsten alloy	call for price
	C310	100.441.275	19x10x0.8T 19x10x1.0T		Robofil 3xx. 5xx series Centering eye from tungsten carbide	42.00
	C311	100.444.728	15x15x24	Lower	Robofil 1xxx. 1020. M series Contact support M	48.00
	C312	100.444.744	Φ14.5xΦ3.4 11H	Upper	Robofil 3xx. 5xx. 1020. M series Swivel nut	call for price
	C313	100.444.750	13x17x24	Upper	Robofil 2xx. 3xx. 5xx. 1xxx. M series Contact support	48.00
	C314	104.447.530	M4x19+M6	Upper	Robofil 2xx. 3xx. 5xx. 1xxx. M series Current transmitter	63.00
	C315	100.444.760	Φ14.5xΦ1.6 11H	Lower	Robofil 2xx. 3xx. 5xx. 1020. M series Swivel nut	78.00

Please call for pricing if product you are looking for is not in catalog.

1.800.888.9080

# CHARMILLES

Various						
Picture	Code No.	Original P/No.	Dimension	Position	Application	Price(USD)
	C316	100.445.423	Φ34xΦ0.8 45H	Common	Robofil 3xx. 5xx. 10xx series Spring for upper & lower water nozzle	4.50
	C317	100.446.201	Φ35xΦ1.0 25H	Lower	Robofil series Spring for lower water nozzle	4.50
	C318	100.447.060	Φ35xΦ1.2 33H	Common	Robofil series Spring for upper water nozzle	4.50
	C319	100.446.687	16x15x6T	Lower	Robofil 3xx. 5xx series Contact brush	18.00
	C320	100.446.736	70x9	Cable	Robofil 2xx. 3xx. 5xx series Ground cable of contact brush (446.687)	18.90
	C321	100.447.762			Robofil 2xx. 3xx. 5xx series Geared wheel	30.00
	C322	100.448.679	Φ20x16H	Lower	Robofil 3xx. 5xx series Contact sleeve	9.00
	C323	100.542.999	Φ40xΦ12x6T	Pulley	Robofil 330F series Driving pulley of Lower head suitable Tungsten carbide	105.00
	C323G	100.542.999	Φ40xΦ12x6T	Pulley	Robofil 330F series Driving pulley of Lower head suitable TiN coated : Gold color	120.00
	C325	100.942.008	15x300mm		Robofil 3xx. 5xx. 1020. 1030F series Ground cable	
	C326	130.003.362	Φ20xΦ16/12 19H	Lower	Robofil 3xx. 5xx series Lower head	10.80
	C327	135.001.012	Φ8/7.7xΦ2.3 H14 (3+8+3)		Robofil 330F series Tungsten carbide Counter knife / Ref. ---542.998	39.00
	C328	135.001.191		Lower	Robofil 2xx. 3xx. 5xx series Stainless sleeve nut for lower guide	75.00
	C329	135.006.130			Robofil 440CC series Power cable	call for price
	C330	200.422.543	27.75x34.5H	Lower	Robofil 3xx. 5xx series Plastic casing box	call for price
	C331	200.422.631			Robofil 3xx. 5xx series Cover for Mill	90.00

Please call for pricing if product you are looking for is not in catalog.

1.800.888.9080









# CHARMILLES

Various						
Picture	Code No.	Original P/No.	Dimension	Position	Application	Price(USD)
	C332	200.448.671	Φ14.5xΦ1.7 11H	Lower	Robofil 1020.1 series Swivel nut	call for price
	C333	200.448.672	Φ14.5xΦ3.5 11H	Upper	Robofil 1020.1 series Swivel nut	call for price
	C334	200.434.002	25x19	Lower	Robofil 230. 330F series Contact support lower head	57.00
	C335	200.442.870	Φ14.5xΦ3.5 11H	Upper	Robofil 2xx. 3xx. 5xx. 1020. M series Swivel nut	call for price
	C336	200.442.871	Φ14.5xΦ1.6 11H	Lower	Robofil 2xx. 3xx. 5xx. 1020. M series Swivel nut	call for price
	C337	200.448.792	Φ9.0x4.1H	Cutter	Robofil 1xx. 3xx. 5xx. 10xx. M/Fseries Material : Cermit or Tungsten carbide Ref. 442.848	60.00
	C338	200.441.192	0.7x15x3545		Robofil 1000. 1020 series Belt for spool drive-one side black	call for price
	C339	200.447.805	0.7x20x485		Robofil 1000. 1020 series Belt for spool drive-one side black	call for price
	C340	200.542.918	Φ14.5xΦ3.5 16H	Upper	Robofil 2xx. 3xx. 5xx. 1020. M series Swivel nut	call for price
	C341	200.544.240			Robofil 3xx. 5xx. 1020. 1030F series Brake roller empty	call for price
	C342	204.448.200			Robofil 1xx. 2xx. 4xx. 1020. M series Ceramic roller subassembly	call for price
	C345	135.009.523			Robofil series	60.00
	C346	200.543.838			Robofil series	call for price
	C351	100.441.726			Robofil 3xx. 5xx. 1020. 1030F series Flushing nozzle spring	call for price
	C352	100.542.854			Robofil 3xx. 5xx. 1020. 1030F series Pressure spring	call for price
	C353	100.543.287			Robofil 3xx. 5xx. 1020. 1030F series Lower head spring	call for price

Please call for pricing if product you are looking for is not in catalog.






1.800.888.9080

## PARTS FOR SMALL HOLE DRILLING

	Model No.	Original P/No.	Dimensions	Description	Position	Application	Price (USD)
	SU-001/A			Holder keyless LCD3-J1		0.00-3.0 mm	Call for Price
	SU-001/M			Chuck holder Yukiwa chuck with attachment		0.40-4.0 mm	Call for Price
	SU-002			Chuck holder Yukiwa chuck with attachment		0.40-4.0 mm	Call for Price
	IT-001			Collet for Intertechno super drill EDM		Each Size	Call for Price
	SU-005			Seal packing rubber		0.00-3.0 mm	Call for Price
	SU-006			Ceramic guide		0.10-0.19 mm 0.20-3.50 mm 3.60-4.90 mm 5.00-7.00 mm	\$134.55 \$96.10 \$125.63 \$161.85
	Z-011			Ceramic guide stand for SU-006 series			Call for Price
	Z-010			Liquid spread cover for EDM drill machine			Call for Price

## WEAR AND SPARE PARTS

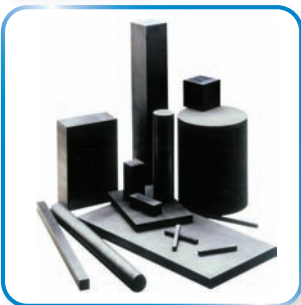
*Sales & Supplies, Inc.*

	TS-001		OD13.0 - OD10.0 x 23.9 mmT	TS dies guide		0.30-3.0 mm	\$174.70
	TS-002			Collet for TS guide		0.40-3.10 mm	\$37.25
	TS-003			Spacer(Pipe guide) For TS guide		0.40-3.10 mm	\$4.38
	TS-004			Rubber set for TS guide		1.00-3.20 mm	\$5.20
	TS guide Set			TS guide complete set		0.30-3.0 mm	\$205.35



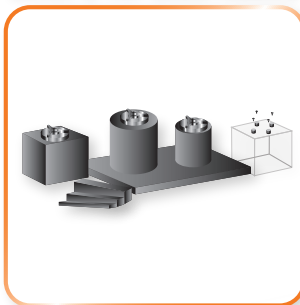
# EDM PRODUCT LINE

## GRAPHITE



- POCO\*ALL GRADES
- PGM-5
- PGM-250
- E-25
- E-20
- PRECISION BLANKS
- TOP & BOTTOM
- SAW CUT
- ROUNDS
- ORBITING TAPS

## DRILL & TAP ELECTRODES



- POCO\*ALL GRADES
- PGM GRADES
- SQUARES
- ROUNDS
- BLANKS
- 3R COINS
- 3R MACRO
- EROWA
- CUSTOM

## EJECTOR & CORE PINS



- EJECTOR PINS
- NITRIDED
- THRU HARD
- CORE PINS
- HARD
- SOFT
- PRECISION BLANKS
- SLEEVE EJECTORS
- BLADE EJECTORS

## WIRE



- BERKENHOFF
- COATED WIRES
- HITACHI
- SUMITOMO
- PREMIUM BRASS

## METALLICS



- COPPER
- BRASS
- PREC. TUBING
- MULTI CHANNEL
- COPPER TUNGSTEN
- TUNGSTEN CARBIDE
- TELLURIUM COPPER

## POLISHING SUPPLIES



- BORIDE
- MDT
- STONES
- CERAM CS
- BOBS
- DIAMOND COMPOUNDS

## FILTERS



- MANN HUMMEL
- CONVENTIONAL
- WIRE
- EBBCO
- RESIN

## WIRE EDM WEAR PARTS



- MITSUBISHI
- AGIE
- MAKINO
- CHARMILLES
- SODICK
- FANUC
- JAPAX
- BROTHER
- DNA
- HITACHI

## CUTTING TOOLS



- IDI DVD DIAMOND
- METR C
- ENGLISH
- INSERTS
- NIAGARA DVD
- CET
- MINI END MILLS
- TiAlN COATED
- AMORPHOUS

## TOOLING



- SYSTEM 3R
- CONVENTIONAL
- WIRE
- MACRO
- MACRO JR.
- ORBITERS
- AUTOMATION
- HIRSCHMANN
- EROWA

## EDM OILS & FLUIDS



- RUSTLICK
- EDM-500
- EDM-250
- EDM-30
- HIRSCHMANN
- SAVAN

## MOLD COMPONENTS



- LEADER PINS
- BUSHINGS
- SUPPORT PILLARS
- LOCATING RINGS
- SPRUE BUSHINGS
- COOLING COMPS.
- SIDE LOCKS
- SPRINGS

[WWW.EDMSALESINC.COM](http://WWW.EDMSALESINC.COM)

PHONE: 763 | 424 | 1189 TFR: 800 | 888 | 9080

A SINGLE CALL GETS YOU ALL THE KEY EDM AND MOLD SUPPLIES YOUR BUSINESS NEEDS. LARGE INVENTORIES, THE HIGHEST QUALITY PRODUCTS AND SAME-DAY SHIPPING ON MOST ORDERS MAKES RESTOCKING EASIER, FASTER AND LESS EXPENSIVE FOR YOU.

CALL TODAY FOR A QUOTE AND DISCOVER THE BENEFITS OF A SINGLE SOURCE VENDOR FOR ALL YOUR EDM CONSUMABLE NEEDS.