

PARTING & GROOVING

2026 | CATALOG

www.euroloy.com

 **EUROLOY**
CARBIDE TOOLS

TABLE OF Contents

Grooving Tools Coding System **C3**

Parting & Grooving Tools Grade System **C3**

MGMN Tools **C5-C9**

TD Tools **C10-C12**

DGN Tools **C13-C15**

ZT Tools **C16-C18**

GDM Tools **C19-C21**

GER/GIR Coding System **C21**

GRIP/SPB Insert Features **C23**

Cutting Blades **C24**



Grooving Tools Coding System

1	2	3	4	5	6	7	8			
G	E	K	R	-	2525	-	T21	MG	-	03
Grooving	Machining	Insert Model	Direction		Dimensions		T-Max	Insert Code		Insert Dimensions
	E: External Machining.	G: General	R: Right							
	I: Internal Machining		L: Left							
	F: Face Grooving									

Parting & Grooving Grade System

Grade	ISO	Coating	Features
TC1115 / TC2115	P15	CVD	CVD-coated grade designed for parting and grooving of forged steel and bearing steel. It offers stable edge performance and reliable tool life in high-speed and continuous machining, making it suitable for mass production.
TC1125 / TC2125	P25	CVD	CVD-coated general-purpose grade designed for steel machining. It offers high wear resistance and excellent edge stability, ensuring reliable performance at medium to high cutting speeds. Suitable for continuous and mildly interrupted applications, providing long tool life and stable machining.
TP4320 / TP3320	M20	PVD	TP4320 / TP3320 is a PVD-coated grade for heat-resistant alloys (HRSA) and stainless steels. It delivers high wear resistance and resistance to plastic deformation at mid to high cutting speeds and elevated temperatures, offering stable tool life in continuous cutting conditions. It is effective for medium to finish machining of hard-to-cut materials.
TP4330	M30	PVD	TP4330 is a general-purpose M30 grade for machining stainless steels. Its PVD coating provides good wear resistance and edge stability, ensuring stable tool life under medium cutting speeds and feeds.

Parting & Grooving Grade System

Grade	ISO	Coating	Features
TC2210	K10	CVD	TC2210 (K10) is a high-speed machining grade for continuous and light interrupted cutting, offering high wear resistance and stable tool life.
TC2215	K15	CVD	TC2215 is a CVD-coated K15 grade developed for turning ductile and grey cast iron under high feed and impact machining conditions. It offers high resistance to wear and chipping, ensuring stable tool life in interrupted cuts and vibration-prone applications. TC2215 minimizes flank and rake face wear, providing reliable and efficient machining of cast iron components.
TN7501	N10	-	TN7501 is a dedicated aluminum machining grade designed for high-speed cutting. Its sharp cutting edge and optimized surface reduce built-up edge formation and provide excellent surface finish.
TP2410	S10	CVD	TP2410 is a universal grade offering high wear and chipping resistance under continuous machining conditions at medium to high cutting speeds and elevated temperatures. It is suitable for medium machining of heat-resistant alloys and stainless steels.
TP2625	P20 M20	PVD	TP2625 is a tough, general-purpose grade for steels, stainless steel. Designed for stable performance in interrupted machining conditions. Its PVD-coated substrate provides a balanced combination of wear resistance and toughness, ensuring reliable tool life in semi-finishing operations.
TP4630	P30 M30	PVD	TP4630 is a general-purpose grade for machining steels, stainless steels and heat resistant alloy steels. It provides stable cutting performance and helps achieve excellent surface finish across a wide range of applications.

Parting & Grooving

MGMN...

Product Image	Chipbreaker	ISO	Working Parameters Vc (m/min)	P				M			K		N	S	U	Dimensions (mm)					Technical Drawing	
				(120-240)	(120-240)	(90-210)	(90-210)	(80-200)	(80-200)	(70-160)	(140-260)	(120-220)	(80-300)	(120-250)	TP2625	TP4630	b	r	l	d		t
				TC1115	TC2115	TC1125	TC2125	TP4320	TP3320	TP4330	TC2210	TC2215	TN7501	TP2410								
Insert Code	Fn (mm/rev)	TC1115	TC2115	TC1125	TC2125	TP4320	TP3320	TP4330	TC2210	TC2215	TN7501	TP2410	TP2625	TP4630	b	r	l	d	t			
	G	MGMN 150	0.03 - 0.09	Δ		●	○		Δ	○			●	●	1.5	0.15	16	1.2	3.5			
		MGMN 200	0.03 - 0.40	Δ		●	○		Δ	○			●	●	2.0	0.2	16	1.6	3.5			
		MGMN 250	0.05 - 0.20	Δ		●	○		Δ	○			●	●	2.5	0.2	18.5	2.0	3.85			
		MGMN 300	0.05 - 0.15	Δ		●	○		Δ	○			●	●	3.0	0.3	21	2.35	4.8			
		MGMN 400	0.05 - 0.14	Δ		●	○		Δ	○			●	●	4.0	0.3	21	3.3	4.8			
	T	MGMN 150	0.03 - 0.09	Δ		●	○		Δ	○			●	●	1.5	0.15	16	1.20	3.5			
		MGMN 200	0.03 - 0.40	Δ		●	○		Δ	○			●	●	2.0	0.2	16	1.60	3.5			
		MGMN 250	0.05 - 0.20	Δ		●	○		Δ	○			●	●	2.5	0.2	18.5	1.60	3.85			
		MGMN 300	0.05 - 0.15	Δ		●	○		Δ	○			●	●	3.0	0.4	21	2.35	4.8			
		MGMN 400	0.04 - 0.30	Δ		●	○		Δ	○			●	●	4.0	0.4	21	3.3	4.8			
		MGMN 500	0.10 - 0.45	Δ		●	○		Δ	○			●	●	5.0	0.8	26	4.1	5.8			
		MGMN 600	0.05 - 0.20	Δ		●	○		Δ	○			●	●	6.0	0.80	26.20	5.0	5.8			
	M	MGMN 200	0.03 - 0.40	Δ		●	○		Δ	○			●	●	2.0	0.2	16	1.6	3.5			
		MGMN 250	0.05 - 0.20	Δ		●	○		Δ	○			●	●	2.5	0.2	18.5	2.0	3.85			
		MGMN 300	0.05 - 0.15	Δ		●	○		Δ	○			●	●	3.0	0.4	21	2.35	4.8			
		MGMN 400	0.05 - 0.14	Δ		●	○		Δ	○			●	●	4.0	0.4	21	3.3	4.8			
		MGMN 500	0.05 - 0.15	Δ		●	○		Δ	○			●	●	5.0	0.8	26	4.1	5.8			
		MGMN 600	0.05 - 0.20	Δ		●	○		Δ	○			●	●	6.0	0.8	26	5.0	5.8			
	M	MRMN 200	0.03 - 0.15	Δ		●	○		Δ	○			●	●	2.0	1.0	16	1.5	3.5			
		MRMN 300	0.05 - 0.15	Δ		●	○		Δ	○			●	●	3.0	1.5	21	2.35	4.8			
		MRMN 400	0.05 - 0.14	Δ		●	○		Δ	○			●	●	4.0	2.0	21	3.3	4.8			
		MRMN 500	0.05 - 0.15	Δ		●	○		Δ	○			●	●	5.0	2.5	26	4.1	5.8			
		MRMN 600	0.05 - 0.20	Δ		●	○		Δ	○			●	●	6.0	3.0	26	5.0	5.8			
	AL	MGGN 150	0.05 - 0.14								○				1.5	0.15	15.9	1.2	3.5			
		MGGN 200	0.03 - 0.55								●				2.0	0.2	16	1.6	3.5			
		MGGN 250	0.08 - 0.30									○			2.5	0.2	18.03	1.60	3.8			
		MGGN 300	0.08 - 0.25									●			3.0	0.4	21	2.35	4.8			
		MGGN 400	0.08 - 0.22									○			4.0	0.4	21	3.3	4.8			
		MGGN 500	0.10 - 0.20									○			5.0	0.8	26	4.1	5.8			
		MGGN 600	0.12 - 0.25									○			6.0	0.8	26	5.0	5.8			

● Stock item

○ Non Stock item

△ Special order

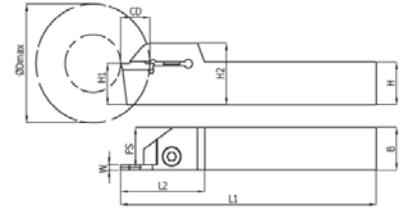
Parting & Grooving

MGMN...

Chipbreaker Form	Chipbreaker Features
 <p data-bbox="264 748 344 770">MGMN-T</p>	<p data-bbox="517 510 1474 591">The sharp cutting edge ensures stable cutting action and controlled chip formation. An optimized chip control geometry provides reliable and efficient performance in both turning and grooving operations.</p> <p data-bbox="517 622 1466 676">This geometry is designed to deliver improved surface quality and extended tool life in turning and multiple grooving applications.</p>
 <p data-bbox="264 1088 344 1111">MGMN-M</p>	<p data-bbox="517 819 1461 900">The widely used flat surface geometry, combined with a specially designed chipbreaker, ensures smoother and more controlled chip formation. The centrally positioned chipbreaker optimizes chip flow and provides stable cutting performance.</p> <p data-bbox="517 931 1410 1012">A specially positioned convex cutting edge improves chip evacuation during external turning operations. Designed for reliable and balanced performance in both turning and grooving applications.</p>
 <p data-bbox="264 1406 344 1429">MGMN-G</p>	<p data-bbox="517 1205 1390 1258">The specially engineered chipbreaker design produces narrower and well-controlled chips. Improved chip flow enhances process reliability, especially in grooving applications.</p> <p data-bbox="517 1290 1453 1344">This geometry is optimized for grooving operations, providing smooth chip evacuation and stable cutting performance.</p>

MGM..

External Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)										Insert Type	Spare Parts	
	L	R	Dmax	W	H	B	FS	L1	L2	H1	H2	CD / Tmax		Screw	Allen Key
GEKR/L-1212-T14MG-02	●	●	62	2	12	12	11	90	31	12	24	14	MGM.2	M5X16	A4
GEKR/L-1212-T14MG-03	●	●	62	3	12	12	10.5	90	31	12	24	14	MGM.3		
GEKR/L-1616-T17MG-1.5		●	62	1.5	16	16	14.5	125	41	16	28.5	17	MGM1.5	M8X27	
GEKR/L-1616-T17MG-02	●	●	62	2	16	16	15	125	41	16	28.5	17	MGM.2		
GEKR/L-1616-T18MG-03	●	●	62	3	16	16	14.5	125	41	16	28.5	18	MGM.3	M8X27	
GEKR/L-1616-T18MG-04	●	●	62	4	16	16	14	125	41	16	28.5	18	MGM.4		
GEKR/L-2020-T17MG-1.5		●	62	1.5	20	20	18.5	125	41	20	28.5	17	MGM1.5	M8X27	
GEKR/L-2020-T17MG-02	●	●	62	2	20	20	19	125	41	20	28.5	17	MGM.2		
GEKR/L-2020-T18MG-03	●	●	62	3	20	20	18.5	125	41	20	28.5	18	MGM.3	M8X27	
GEKR/L-2020-T18MG-04	●	●	62	4	20	20	18	125	41	20	28.5	18	MGM.4		
GEKR/L-2020-T21MG-05		●	62	5	20	20	17.5	125	41	20	5.6	21	MGM.5	M8X27	
GEKR/L-2525-T18MG-02	●	●	62	2	25	25	24	150	45	25	35	18	MGM.2		
GEKR/L-2525-T21MG-03	●	●	62	3	25	25	23.5	150	45	25	35	21	MGM.3	M8X27	
GEKR/L-2525-T30MG-04	●	●	62	4	25	25	23	150	45	25	35	30	MGM.4		
GEKR/L-2525-T22MG-04	●	●	62	4	25	25	23	150	45	25	35	22	MGM.4	M8X27	
GEKR/L-2525-T22MG-05	●	●	62	5	25	25	22.5	150	45	25	35	22	MGM.5		
GEKR/L-2525-T22MG-06	●	●	62	6	25	25	22	150	45	25	35	22	MGM.6	M8X27	
GEKR/L-3232-T21MG-02		●	62	2	32	32	31	170	45	32	42	21	MGM.2		
GEKR/L-3232-T25MG-03		●	62	3	32	32	30.5	170	45	32	42	25	MGM.3	M8X27	
GEKR/L-3232-T25MG-04		●	62	4	32	32	30	170	45	32	42	25	MGM.4		
GEKR/L-3232-T25MG-05		●	62	5	32	32	29.5	170	45	32	42	25	MGM.5	M8X27	
GEKR/L-3232-T25MG-06		●	62	6	32	32	29	170	45	32	42	25	MGM.6		
GEKR/L-2525-T30MG-03		●	62	3	25	25	22	150	45	25	35	30	MGM.3	M8X27	
GEKR/L-2525-T40MG-03		●	62	3	25	25	23.5	150	45	25	35	40	MGM.3		
GEKR/L-2525-T40MG-04		●	62	4	25	25	23	150	45	25	35	40	MGM.4	M8X27	
GEKR/L-2525-T40MG-05		●	62	5	25	25	22.5	150	45	25	35	40	MGM.5		

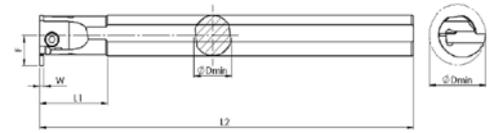
● Stock item

○ Non Stock item

△ Special order

MGM..

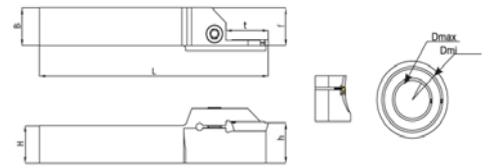
Internal Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)									
	L	R	D	D _{min}	F	L1	L2	W	Tmax	Insert Type	Screw	Allen Key
GIKR/L -2016-T04MG-02	●	●	16	20	12	180	25	2	4	MGM.2	M4x10	A3
GIKR/L -2520-T04MG-02	●	●	20	25	14	200	30	2	4	MGM.2	M4x12	
GIKR/L -2520-T04.5MG-03	●	●	20	25	14,5	200	30	3	4,5	MGM.3		
GIKR/L -2520-T04.5MG-04	●	●	20	25	14,5	200	30	4	4,5	MGM.4		
GIKR/L -3125-T05.5MG-02	●	●	25	31	18	250	35	2	5,5	MGM.2	M6x16	A5
GIKR/L -3225-T06MG-03	●	●	25	32	16,5	250	35	3	6	MGM.3		
GIKR/L -3225-T06MG-04	●	●	25	32	18,5	250	30	4	6	MGM.4		
GIKR/L -3225-T06MG-05	●	●	25	32	18,5	250	30	5	6	MGM.5	M8x27	A4
GIKR/L -3932-T06MG-02		●	32	39	22	250	30	2	6	MGM.2		
GIKR/L -4232-T09MG-03		●	32	42	25	250	35	3	9	MGM.3		
GIKR/L -4232-T09MG-04		●	32	42	25	250	35	4	9	MGM.4		
GIKR/L -4232-T09MG-05		●	32	42	25	250	35	5	9	MGM.5	M8x27	A4
GIKR/L -5240-T10MG-03		●	40	52	30	350	60	3	10	MGM.3		
GIKR/L -5240-T10MG-04		●	40	52	30	350	60	4	10	MGM.4		
GIKR/L -5240-T10MG-05		●	40	52	30	350	60	5	10	MGM.5		

MGM..

Face Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)								Insert Type	Spare Parts	
	L	R	Dmin	Dmax	H	B	f	L1	h	Tmax		Screw	Allen Key
GFKR-2525-(30/40)-T17MG-03		●	30	40	25	25	26.7	150	25	17	MGM.3	M8X27	A4
GFKR-2525-(35/50)-T17MG-03		●	35	50	25	25	26.7	150	25	17	MGM.3		
GFKR-2525-(45/70)-T17MG-03		●	45	70	25	25	26.7	150	25	17	MGM.3		
GFKR-2525-(65/105)-T17MG-03		●	65	105	25	25	26.7	150	25	17	MGM.3		
GFKR-2525-(100/150)-T17MG-03		●	100	150	25	25	26.7	150	25	17	MGM.3		
GFKR-2525-(30/40)-T22MG-04		●	30	40	25	25	26.8	150	25	22	MGM.4		
GFKR-2525-(35/50)-T22MG-04		●	35	50	25	25	26.8	150	25	22	MGM.4		
GFKR-2525-(45/70)-T22MG-04		●	45	70	25	25	26.8	150	25	22	MGM.4		
GFKR-2525-(65/105)-T22MG-04		●	65	105	25	25	26.8	150	25	22	MGM.4		
GFKR-2525-(100/150)-T22MG-04		●	100	150	25	25	26.8	150	25	22	MGM.4		
GFKR-2525-(75/110)-T25MG-05		●	75	110	25	25	26.1	150	25	25	MGM.5		
GFKR-2525-(105/150)-T25MG-05		●	105	150	25	25	26.1	150	25	25	MGM.5		
GFKR-2525-(145/200)-T25MG-05		●	145	200	25	25	26.1	150	25	25	MGM.5		

Parting & Grooving

TD...

Product Image	ISO	Working Parameters	P				M			κ	N	σ	U	Dimensions (mm)					Technical Drawing				
			Vc(m/min)		Fn(mm/rev)		(120-240)	(120-240)	(90-210)	(90-120)	(80-200)	(80-200)	(70-160)	(140-260)	120-220	(80-300)	(120-250)						
			TC1115	TC2115	TC1125	TC2125	TP4320	TP3320	TP4330	TC2210	TC2215	TN7501	TP2410	TP2625	TP4630	INSL	RE	CDX		BW	CW		
	TDC2	0.05 - 0.18					○	○						●	●	20	0.20	19	1.7	2.0			
	TDC3	0.07 - 0.25					○	○						●	●	20	0.20	19	2.4	3.0			
	TDC4	0.08 - 0.30					○	○						●	●	20	0.30	19	3.0	4.0			
	TDC5	0.09 - 0.34					○	○						●	●	25	0.30	24	4.0	5.0			
	TDJ2	0.04 - 0.12					○	○						●	●	20	0.20	19	1.7	2.0			
	TDJ3	0.04 - 0.16					○	○						●	●	20	0.20	19	2.4	3.0			
	TDJ4	0.05 - 0.18						○						●	●	20	0.30	19	3.0	4.0			
	TDT3.00E-0.40	0.07 - 0.15												●	●	20	0.40		2.25	3.0			
	TDT4.00E-0.40	0.09 - 0.18												●	●	20	0.40		3.05	4.0			
	TDT2E-1.0-RU	0.05 - 0.12												●	●	20	1.0		1.70	2.0			
	TDT3E-1.5-RU	0.03 - 0.10					○	○						●	●	20	1.50		2.40	3.0			
	TDT4E-2.0-RU	0.09 - 0.18					○	○						●	●	20	2.0		3.0	4.0			
	TDXU 2E-0.3	0.03 - 0.20												●	●	20	0.30		1.7	2.0			
	TDXU 3E-0.3	0.07 - 0.22												●	●	20	0.30		2.2	3.0			
	TDXU 4E-0.4	0.08 - 0.27						○						●	●	20	0.40		3.0	4.0			
	TDXU 4E-0.8	0.08 - 0.27												●	●	20	0.80		3.0	4.0			

● Stock item

○ Non Stock item

▲ Special order

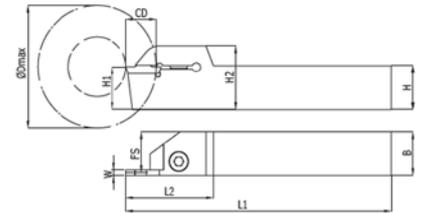
Parting & Grooving

TD...

Chipbreaker Form	Chipbreaker Features
 <p>TDC</p>	<p>Double-ended inserts featuring a C-type chip breaker, designed for parting and grooving operations in hard materials and demanding applications, ensuring stable performance at medium to high feed rates when machining steel, alloy steel, and stainless steel.</p>
 <p>TDJ</p>	<p>TDJ (Double-ended) inserts with a J-type chip breaker are designed for parting and grooving of soft materials, tubes, small-diameter and thin-walled components, providing smooth cutting at low to medium feed rates with reduced cutting forces and minimal burr formation.</p>
 <p>TDT</p>	<p>Precision double-ended inserts specifically designed for external grooving operations, ensuring accurate machining and stable performance.</p>
 <p>TDXU</p>	<p>Double-ended, pressed-type multifunctional inserts, ideal as a first-choice solution for general-purpose external, internal, and face groove-turning applications.</p>

TD..

External Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)										Insert Type	Spare Parts	
	L	R	Dmax	W	H	B	FS	L1	L2	H1	H2	Tmax		Screw	Allen Key
GETR-1212-T14TD-02		●	62	2	12	12	11	90	31	12	24	14	TD.2	M5X16	A4
GETR-1212-T14TD-03		●	62	3	12	12	10.5	90	31	12	24	14	TD.3		
GETR-1616-T18TD-02		●	62	2	16	16	15	125	41	16	28.5	18	TD.2		
GETR-1616-T18TD-03		●	62	3	16	16	14.5	125	41	18	28.5	18	TD.3	M8X27	
GETR-1616-T18TD-04		●	62	4	16	16	14	125	41	16	28.5	18	TD.4		
GETR-2020-T18TD-02		●	62	2	20	20	19	125	41	20	28.5	18	TD.2		
GETR-2020-T18TD-03		●	62	3	20	20	18.5	125	41	20	28.5	18	TD.3	M8X27	
GETR-2020-T18TD-04		●	62	4	20	20	18	125	41	20	28.5	18	TD.4		
GETR-2525-T21TD-02		●	62	2	25	25	24	150	45	25	35	21	TD.2		
GETR-2525-T21TD-03		●	62	3	25	25	23.5	150	45	25	35	21	TD.3	M8X27	
GETR-2525-T21TD-04		●	62	4	25	25	23	150	45	25	35	21	TD.4		
GETR-2525-T21TD-05		●	62	5	25	25	22.5	150	45	25	35	21	TD.5		
GETR-3232-T23TD-03		●	62	3	32	32	30.5	170	45	32	42	23	TD.3	M8X27	
GETR-3232-T23TD-04		●	62	4	32	32	30	170	45	32	42	23	TD.4		

Parting & Grooving

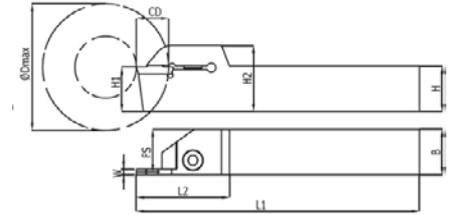
DGN...

Product Image	ISO	Working Parameters	P				M			K	N	S	U		Dimensions (mm)	Technical Drawing	
			Vc (m/min)														
			TC1115 (120-240)	TC2115 (120-240)	TC1125 (90-210)	TC2125 (90-210)	TP4320 (80-200)	TP3320 (80-200)	TP4330 (70-160)	TC2210 (140-260)	TC2215 (120-220)	TN7501 (80-300)	TP2410 (120-250)	TP2625			TP4630
	DGN2002C	0.05 - 0.16											●	19.9	2.0	0.2	
	DGN2202C	0.05 - 0.16											●	19.8	2.2	0.2	
	DGN2202J	0.04 - 0.12											●	19.8	2.2	0.2	
	DGN3102C	0.1 - 0.25											●	20.1	3.1	0.2	
	DGN4003C	0.1 - 0.3											●	18.8	4.0	0.3	
	DGR2202C-6D	0.04 - 0.12											●	20.8	2.2	0.2	
	DGR3102C-6D	0.08 - 0.18											●	21	3.1	0.2	

Chipbreaker Form	Chipbreaker Features
 J FORM	The J chipformer combines the positive geometry of the J-type with a strengthened negative front edge. It is optimized for machining soft materials, delivering stable performance at low to medium feed rates.
 C FORM	Designed for parting bars, hard materials, and demanding applications. Features a positive rake geometry with a single pocket, combined with a negative land and reinforced shoulders. Suitable for medium to high feed rates and stable cutting performance under tough conditions.

DGN..

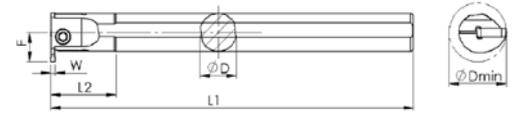
External Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)										Insert Type	Spare Parts	
	L	R	Dmax	W	H	B	FS	L1	L2	H1	H2	CD / Tmax		Screw	Allen Key
GEIR/R-1212-T14DG-02	●	●	62	2	12	12	11	90	31	12	24	14	DGN-2	M5X16	A4
GEIR/R-1212-T14DG-03	●	●	62	3	12	12	10.5	90	31	12	24	14	DGN-3		
GEIR/R-1616-T18DG-02	●	●	62	2	16	16	15	125	43	16	28.5	18	DGN-2		
GEIR/R-1616-T18DG-03	●	●	62	3	16	16	14.5	125	43	16	28.5	18	DGN-3	M8X27	
GEIR/R-1616-T18DG-04	●	●	62	4	16	16	14	125	43	16	28.5	18	DGN-4		
GEIR/R-2020-T18DG-02	●	●	62	2	20	20	19	125	43	20	28.5	18	DGN-2		
GEIR/R-2020-T18DG-03	●	●	62	3	20	20	18.5	125	43	20	28.5	18	DGN-3	M8X27	
GEIR/R-2020-T18DG-04	●	●	62	4	20	20	18	125	43	20	28.5	18	DGN-4		
GEIR/R-2020-T22DG-05		●	62	5	20	20	17.5	125	43	20	28.5	22	DGN-5		
GEIR/R-2525-TT22DG-02	●	●	62	2	25	25	24	150	47	25	35	22	DGN-2	M8X27	
GEIR/R-2525-T22DG-03	●	●	62	3	25	25	23.5	150	47	25	35	22	DGN-3		
GEIR/R-2525-T22DG-04	●	●	62	4	25	25	23	150	47	25	35	22	DGN-4		
GEIR/R-2525-T22DG-05	●	●	62	5	25	25	22.5	150	47	25	35	22	DGN-5	M8X27	
GEIR/R-2525-T22DG-06		●	62	6	25	25	22.5	150	47	25	35	22	DGN-6		
GEIR/R-3232-T22DG-03		●	62	3	32	32	30.5	170	47	32	42	22	DGN-3		
GEIR/R-3232-T22DG-04		●	62	4	32	32	30	170	47	32	42	22	DGN-4	M8X27	
GEIR/R-3232-T22DG-05		●	62	5	32	32	29.5	170	47	32	42	22	DGN-5		
GEIR/R-3232-T22DG-06		●	62	6	32	32	29.5	170	47	32	42	22	DGN-6		
GEIR/R-2525-T40DG-03		●	62	3	25	25	23.5	150	47	25	35	40	DGN-3	M8X27	
GEIR/R-2525-T40DG-04		●	62	4	25	25	23	150	47	25	35	40	DGN-4		

DGN..

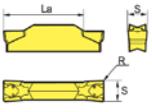
Internal Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)								Insert Type	Spare Parts	
	L	R	D	D min	F	L1	L2	W	Tmax	Screw		Allen Key	
GIIR/L 2025-T4.5DG-02		●	20	25	14	200	30	2	4.5	DGN-2	M4X12	A3	
GIIR/L 2025-T4.5DG-03		●	20	25	14	200	30	3	4.5	DGN-3			
GIIR/L 2025-T4.5DG-04		●	20	25	14	200	30	4	4.5	DGN-4			
GIIR/L 2525-T06DG-02		●	25	32	18.5	250	40	2	6	DGN-2	M6X16	A5	
GIIR/L 2532-T06DG-03		●	25	32	18.5	250	40	3	6	DGN-3			
GIIR/L 2532-T06DG-04		●	25	32	18.5	250	40	4	6	DGN-4			
GIIR/L 4132-T8.5DG-02		●	32	41	24.5	250	45	2	8.5	DGN-2	M8X27	A4	
GIIR/L 4132-T8.5DG-03		●	32	41	24.5	250	45	3	8.5	DGN-3			
GIIR/L 4132-T8.5DG-04		●	32	41	24.5	350	45	4	8.5	DGN-4			

Parting & Grooving

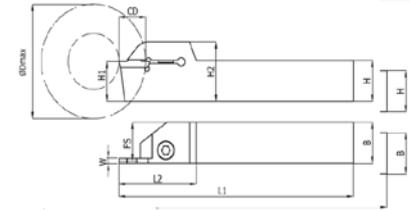
ZT...

Product Image	ISO	Working Parameters	P			M			K	N	S	U	Dimensions (mm)			Technical Drawing			
			Vc (m/min)																
			TC1115 (120-240)	TC2115 (120-240)	TC1125 (90-210)	TC2115 (90-210)	TP4320 (80-200)	TP3320 (80-200)	TP4330 (70-160)	TC2210 (140-260)	TC2215 (120-220)	TN7501 (80-300)	TP2410 (120-250)	TP2620	TP4630		La	S	RE
	ZTED02503-MG	0.05 - 0.2											Δ	Δ	17	2.5	0.3		
	ZTFD0303-MG	0.05 - 0.2												Δ	Δ	17	3.0		0.3
	ZTGD0404-MG	0.20 - 0.6												Δ	Δ	22	4.0		0.4
	ZTHD0504-MG	0.05 - 0.2												Δ	Δ	22	5.0		0.4
	ZTKD0608-MG	0.05 - 0.7												Δ	Δ	22	6.0		0.8

Chipbreaker Form	Chipbreaker Features
 <p>GM</p>	<p>The MG chipformer is designed for both parting & grooving and turning operations. Its versatile geometry ensures stable chip control at medium feed rates, making it suitable for a wide range of applications. The positive cutting geometry provides smooth cutting action and reliable performance.</p>

ZT..

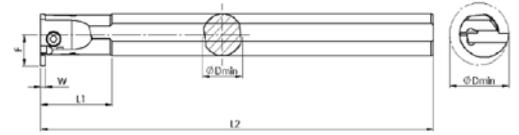
External Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)										Insert Type	Spare Parts	
	L	R	Dmax	W	H	B	FS	L1	L2	H1	H2	CD / Tmax		Screw	Allen Key
GEZR/L-1616-T17ZT-02	●	●	62	2	16	16	15	125	41	16	24.50	17	ZT.D-2	M8X27	A4
GEZR/L-1616-T18ZT-03	●	●	62	3	16	16	14.50	125	41	16	24.50	18	ZT.D-3		
GEZR/L-1616-T18ZT-04	●	●	62	4	16	16	14	125	41	16	24.50	18	ZT.D-4		
GEZR/L-1616-T18ZT-05	●	●	62	5	16	16	13.50	125	41	16	24.50	18	ZT.D-5		
GEZR/L-2020-T17ZT-2.5	●	●	62	2.5	20	20	18.75	125	41	20	28.50	17	ZT.D-2.5		
GEZR/L-2020-T22ZT-2.5		●	62	2.5	20	20	18.75	125	41	20	28.50	22	ZT.D-2.5		
GEZR/L-2020-T17ZT-02	●	●	62	2	20	20	19	125	41	20	28.50	17	ZT.D-2		
GEZR/L-2020-T18ZT-03	●	●	62	3	20	20	18.50	125	41	20	28.50	18	ZT.D-3		
GEZR/L-2020-T18ZT-04	●	●	62	4	20	20	18	125	41	20	28.50	18	ZT.D-4		
GEZR/L-2020-T21ZT-05	●	●	62	5	20	20	17.50	125	41	20	28.50	21	ZT.D-5		
GEZR/L-2020-T21ZT-06		●	62	6	20	20	17	125	41	20	28.50	21	ZT.D-6		
GEZR/L-2525-T21ZT-2.5	●	●	62	2.5	25	25	23.75	150	45	25	35	21	ZT.D-2.5		
GEZR/L-2525-T21ZT-02	●	●	62	2	25	25	24	150	45	25	35	21	ZT.D-2		
GEZR/L-2525-T21ZT-03	●	●	62	3	25	25	23.50	150	45	25	35	21	ZT.D-3		
GEZR/L-2525-T21ZT-04	●	●	62	4	25	25	23	150	45	25	35	21	ZT.D-4		
GEZR/L-2525-T22ZT-05	●	●	62	5	25	25	22.50	150	45	25	35	22	ZT.D-5		
GEZR/L-2525-T22ZT-06		●	62	6	25	25	22	150	45	25	35	22	ZT.D-6		
GEZR/L-3232-T25ZT-04		●	62	4	32	32	30	170	45	32	42	25	ZT.D-4		
GEZR/L-3232-T25ZT-05		●	62	5	32	32	29.50	170	45	32	42	25	ZT.D-5		
GEZR/L-3232-T25ZT-06		●	62	6	32	32	29	170	45	32	42	25	ZT.D-6		

ZT..

Internal Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)							Insert Type	Spare Parts	
	L	R	D	D min	F	L1	L2	W	Tmax		Screw	Allen Key
GIZR/L-2016-T04ZT-02		●	16	20	12	180	2	4	4	ZT.D-2	M4X10	A3
GIZR/L-2520-T4.5ZT-02		●	20	25	14.5	200	2	4	4,5	ZT.D-2	M4X12	
GIZR/L-2520-T4.5ZT-03		●	20	25	14.5	200	3	1.5	4.5	ZT.D-3		
GIZR/L-3225-T06ZT-02		●	25	32	18.5	250	2	4	6	ZT.D-2		
GIZR/L-3225-T06ZT-03		●	25	32	18.5	250	3	2	6	ZT.D-3	M6X16	A5
GIZR/L-3225-T06ZT-04		●	25	32	18.5	250	4	2	6	ZT.D-4		
GIZR/L-4232-T08ZT-03		●	32	42	25	250	3	2	8	ZT.D-3		
GIZR/L-4232-T09ZT-04		●	32	42	25	250	4	3	9	ZT.D-4	M8X27	A4
GIZR/L-5240-T10ZT-05		●	40	52	30	350	5	3	10	ZT.D-5		

Parting & Grooving

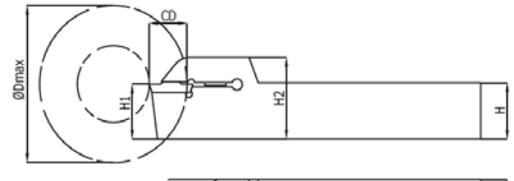
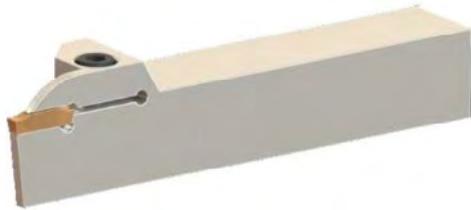
GDM...

Product Image	ISO	Working Parameters	P				M			K	N	S	U		Dimensions (mm)				Technical Drawing					
			Vc (m/min)																					
	Insert Code	Fn (mm/rev)				TC1115	TC2115	TC1125	TC2125	TP4320	TP3320	TP4330	TC2210	TC2215	TN7501	TP2410	TP2625	TP4630		INSL	RE	M	W	
	GDM2020N-020PM	0.06 - 0.12																Δ	Δ	20	0.20	1.50	2.0	
	GDM2520N-020PM	0.06 - 0.12																Δ	Δ	20	0.20	1.94	2.5	
	GDM3020N-025PM	0.08 - 0.16																Δ	Δ	20	0.25	2.28	3.0	
	GDM4020N-040PM	0.10 - 0.22																○	○	20	0.40	3.30	4.0	
	GDM5020N-080PM	0.15 - 0.30																○	○	20	0.80	4.19	5.0	

Chipbreaker Form	Chipbreaker Features
<p>PM</p>	<p>The PM chipbreaker is a general-purpose geometry designed for cut-off operations. It provides stable cutting performance at medium feed rates and ensures reliable chip control across various material groups. Balanced cutting forces make it suitable for a wide range of applications.</p>

GDM..

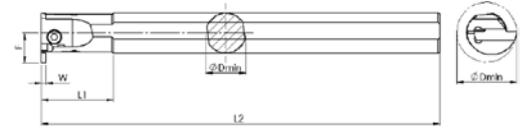
External Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)										Insert Type	Spare Parts	
	L	R	Dmax	W	H	B	FS	L1	L2	H1	H2	CD / Tmax		Screw	Allen Key
GEYR/L-1212-T12GD-02		●	62	2	12	12	11	125	41	12	20.5	12	GDM-2	M5X16	A4
GEYR/L-1212-T12GD-03		●	62	3	12	12	10.5	125	41	12	20.5	12	GDM-3		
GEYR/L-1616-T17GD-02	●	●	62	2	16	16	15	125	41	16	24.5	17	GDM-2	M8X27	
GEYR/L-1616-T20GD-03	●	●	62	3	16	16	14.5	125	41	16	24.5	20	GDM-3		
GEYR/L-2020-T17GD-02	●	●	62	2	20	20	19	125	41	20	28.5	17	GDM-2	M8X27	
GEYR/L-2020-T20GD-03	●	●	62	3	20	20	18.5	125	43	20	28.5	20	GDM-3		
GEYR/L-2525-T10GD-02		●	62	2	25	25	24	150	45	25	35	10	GDM-2	M8X27	
GEYR/L-2525-T21GD-02	●	●	62	2	25	25	24	150	45	25	35	21	GDM-2		
GEYR/L-2525-T21GD-03	●	●	62	3	25	25	23.5	150	45	25	35	21	GDM-3		
GEYR/L-2525-T25GD-03		●	62	3	25	25	23.5	150	45	25	35	25	GDM-3		
GEYR/L-2525-T25GD-04		●	62	4	25	25	23	150	45	25	35	25	GDM-4		

GDM..

Internal Grooving Toolholders



Order Code	Stock Availability		Tool Dimensions (mm)							Insert Type	Spare Parts	
	L	R	D	D min	F	L1	L2	W	Tmax		Screw	Allen Key
GIYR/L-1816-T4.5GD-02		●	16	18	9.5	180	25	2	4.5	GDM-2	M4X12	A3
GIYR/L-1816-T4.5GD-03		●	16	18	9.5	180	25	3	4.5	GDM-3		
GIYR/L-2520-T4GD-02		●	20	25	14	200	30	2	4	GDM-2		
GIYR/L-2520-T4GD-03		●	20	25	14	200	30	3	4	GDM-3		
GIYR/L-2520-T5.5GD-04		●	20	25	14	200	30	4	5.5	GDM-4		
GIYR/L-2520-T4GD-02		●	20	25	14	200	30	2	4	GDM-2		
GIYR/L-2520-T4GD-03		●	20	25	14	200	30	3	4	GDM-3	M6X16	A5
GIYR/L-3125-T5GD-02		●	25	31	18	250	35	2	5	GDM-2		
GIYR/L-3125-T5.5GD-03		●	25	31	18	250	35	3	5.5	GDM-3		
GIYR/L-3125-T12GD-04		●	25	31	24.5	250	35	4	12	GDM-4		
GIYR/L-3125-T6GD-04		●	25	31	18	250	35	4	6	GDM-4	M8X27	A4
GIYR/L-4232-T9GD-03		●	32	42	25	250	35	3	9	GDM-3		
GIYR/L-4232-T9GD-04		●	32	42	25	250	35	4	9	GDM-4		
GIYR/L-4232-T12GD-04		●	32	42	28	350	60	4	12	GDM-4		
GIYR/L-5240-T10GD-04		●	40	52	30	350	60	4	10	GDM-4		

GER/GIR...

GER-GIL Coding System

1	2	3	4	5	6	7
16	G	E	R	0.50	-	055 TP4625
Size 16mm 11mm	Grooving	Type E:External I:Internal	Direction R: Right L: Left	Cutting Edge Width 0.05 - 1.0mm	Corner Radius 005 : R0.05 010 : R0.10	Grade

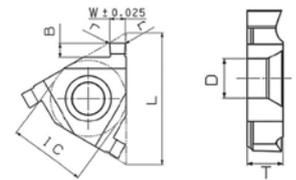
● Stock item

○ Non Stock item

△ Special order

Parting & Grooving

GER/GIR...



Product Image	ISO	Working Parameters	P		M			K	N	S	U				Dimensions (mm)							Technical Drawing					
			Vc (m/min)		(120-240)	(120-240)	(90-210)	(90-210)	(80-200)	(80-200)	(70-160)	(140-260)	(120-220)	(80-300)	(120-250)					L	IC		T	D	W	B	r
			Fn (mm/rev)		TC1115	TC2115	TC1125	TC2125	TP4320	TP3320	TP4330	TC2210	TC2215	TN7501	TP2410	TP2625	TP4625	TP4630									
	11GER/GIR050-005	0.03 - 0.06													o	11	6.35	3.18	3.1	0.5	1.0	0.05					
	11GER/GIR060-005	0.03 - 0.07													o	11	6.35	3.18	3.1	0.6	1.0	0.05					
	11GER/GIR070-005	0.04 - 0.08													o	11	6.35	3.18	3.1	0.7	1.2	0.05					
	11GER/GIR080-005	0.04 - 0.09													o	11	6.35	3.18	3.1	0.8	1.2	0.05					
	11GER/GIR090-005	0.05 - 0.10													o	11	6.35	3.18	3.1	0.9	1.2	0.05					
	11GER/GIR100-010	0.05 - 0.10													o	11	6.35	3.18	3.1	1.0	1.5	0.1					
	11GER/GIR110-010	0.05 - 0.10													o	11	6.35	3.18	3.1	1.1	1.5	0.1					
	11GER/GIR120-010	0.06 - 0.12													o	11	6.35	3.18	3.1	1.2	1.5	0.1					
	11GER/GIR130-010	0.06 - 0.12													o	11	6.35	3.18	3.1	1.3	1.5	0.1					
	11GER/GIR140-010	0.07 - 0.14													o	11	6.35	3.18	3.1	1.4	1.5	0.1					
	11GER/GIR150-010	0.07 - 0.15													o	11	6.35	3.18	3.1	1.5	1.5	0.1					
	11GER/GIR160-010	0.08 - 0.16													o	11	6.35	3.18	3.1	1.6	1.4	0.1					
	11GER/GIR170-010	0.08 - 0.16													o	11	6.35	3.18	3.1	1.7	1.4	0.1					
	11GER/GIR180-010	0.08 - 0.18													o	11	6.35	3.18	3.1	1.8	1.3	0.1					
	11GER/GIR200-010	0.09 - 0.20													o	11	6.35	3.18	3.1	2.0	1.2	0.1					
		16GER/GIR050-005	0.03 - 0.06												●	16	9.525	3.65	4	0.5	1.6	0.05					
		16GER/GIR060-005	0.03 - 0.07												●	16	9.525	3.65	4	0.6	1.6	0.05					
		16GER/GIR070-005	0.04 - 0.08												●	16	9.525	3.65	4	0.7	1.6	0.05					
		16GER/GIR075-005	0.04 - 0.08												●	16	9.525	3.65	4	0.75	1.6	0.05					
		16GER/GIR080-005	0.04 - 0.09												●	16	9.525	3.65	4	0.8	1.6	0.05					
		16GER/GIR095-005	0.05 - 0.10												●	16	9.525	3.65	4	0.95	1.6	0.05					
		16GER/GIR100-010	0.05 - 0.10												o	16	9.525	3.65	4	1.0	1.8	0.1					
		16GER/GIR110-010	0.05 - 0.11												●	16	9.525	3.65	4	1.1	1.8	0.1					
		16GER/GIR115-010	0.05 - 0.11												●	16	9.525	3.65	4	1.15	1.8	0.1					
		16GER/GIR120-010	0.06 - 0.12												●	16	9.525	3.65	4	1.2	1.8	0.1					
		16GER/GIR130-010	0.06 - 0.12												●	16	9.525	3.65	4	1.3	1.8	0.1					
		16GER/GIR140-010	0.07 - 0.15												o	16	9.525	3.65	4	1.4	1.8	0.1					
		16GER/GIR145-010	0.07 - 0.15												o	16	9.525	3.65	4	1.45	1.8	0.1					
		16GER/GIR150-010	0.07 - 0.15												o	16	9.525	3.65	4	1.5	1.8	0.1					
		16GER/GIR160-010	0.08 - 0.16												o	16	9.525	3.65	4	1.6	1.8	0.1					
		16GER/GIR175-010	0.08 - 0.18												o	16	9.525	3.65	4	1.75	1.8	0.1					
		16GER/GIR180-010	0.08 - 0.18												o	16	9.525	3.65	4	1.8	1.8	0.1					
16GER/GIR200-010		0.09 - 0.20												●	16	9.525	3.65	4	2.0	1.8	0.1						
16GER/GIR215-010		0.10 - 0.22												o	16	9.525	3.65	4	2.15	2.0	0.2						
16GER/GIR225-020		0.10 - 0.22												o	16	9.525	3.65	4	2.25	2.0	0.2						
16GER/GIR230-020		0.10 - 0.23												o	16	9.525	3.65	4	2.3	2.0	0.2						
16GER/GIR250-020		0.12 - 0.26												o	16	9.525	3.65	4	2.5	2.0	0.2						
16GER/GIR265-020		0.12 - 0.28												o	16	9.525	3.65	4	2.65	2.0	0.2						
16GER/GIR300-020		0.15 - 0.32												o	16	9.525	3.65	4	3.0	2.0	0.2						

Parting & Grooving

GRIP...

Product Image	ISO	Working Parameters	P				M			K	N	S	U		Dimensions (mm)			Technical Drawing
			Vc(m/min)												INSL	CW	RE	
			TC1115	TC2115	TC1125	TC2125	TP4320	TP3320	TP4330	TC2210	TC2215	TN7501	TP2410	TP2625				
	GRIP3003Y	0.07 - 0.19											Δ	15.8	3.0	0.3		
	GRIP4004Y	0.09 - 0.24											Δ	19	4.0	0.4		
	GRIP5005Y	0.11 - 0.30											Δ	19	5.0	0.5		

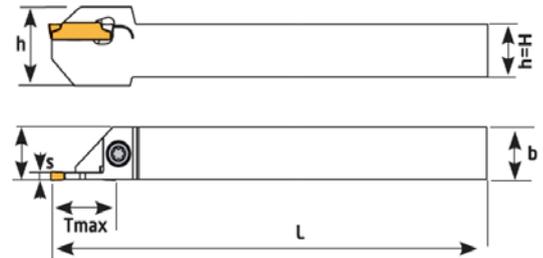
SPB...

Product Image	ISO	Working Parameters	P				M			K	N	S	U		Dimensions (mm)			Technical Drawing
			Vc(m/min)												W	l	r	
			TC1115	TC2115	TC1125	TC2125	TP4320	TP3320	TP4330	TC2210	TC2215	TN7501	TP2410	TP2625				
	SPB 200	0.05 - 0.15	●										●	2.2	9.3	0.2		
	SPB 300	0.05 - 0.15	●										●	3.1	11.3	0.2		
	SPB 400	0.05 - 0.15	●										●	4.1	11.3	0.25		
	SPB 500	0.10 - 0.40	●										●	5.1	11.4	0.3		
	SPB 600	0.12 - 0.50	●										○	6.4	11.4	0.35		

MGMN..

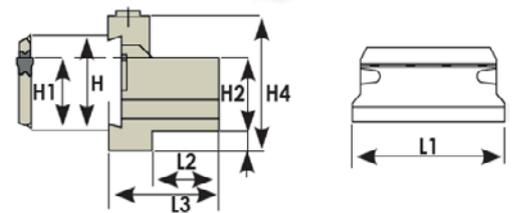
Cutting Blades

Order Code	Dimensions (mm)				Insert
	H	h	A	L	
EMB-232	32	25	2	150	MGMN 200
EMB-332	32	25	2,45	150	MGMN 300
EMB-432	32	25	3,45	150	MGMN 400



Block for Blades

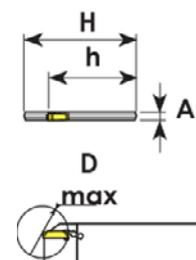
Order Code	Dimensions (mm)					
	H	H1	H2	L1	L2	L3
ETB-2026	26	21,4	20	87	19	33
ETB-2526	26	24,4	25	110	20	34
ETB-2032	32	25	20	110	19	35
ETB-2532	32	25	25	110	20	36
ETB-3232	32	25	32	110	28	44



SPB..

Cutting Blades

Order Code	H	A	L	Insert Size	h	Insert	Key
ESB 226	26	1.6	110	2	21	SPB 200	ESW50L
ESB 326	26	2.45	110	3	21.40	SPB 300	
ESB 332	32	2.45	150	3	25	SPB 300	
ESB 426	26	3.45	110	4	21.40	SPB 400	
ESB 432	32	3.45	150	4	25	SPB 400	
ESB 532	32	4	150	5	25	SPB 500	



● Stock item

○ Non Stock item

△ Special order

Engineered for Excellence.

#EuroloyExcellence



Italy Office / İtalya Ofis



Via Leonardo Da Vinci, 4 – 20054
Milano MI ITALIA



(+39) 0282398309



info@euroloy.com

Turkey Office / Türkiye Ofis



Üsküdar Cad. YEDPA No:1
Ataşehir -İstanbul -TÜRKİYE



(+90) 850 933 3408



euroloytr@euroloy.com