

BIG KAISER

MEGA SYNCHRO®
Tapping Holder



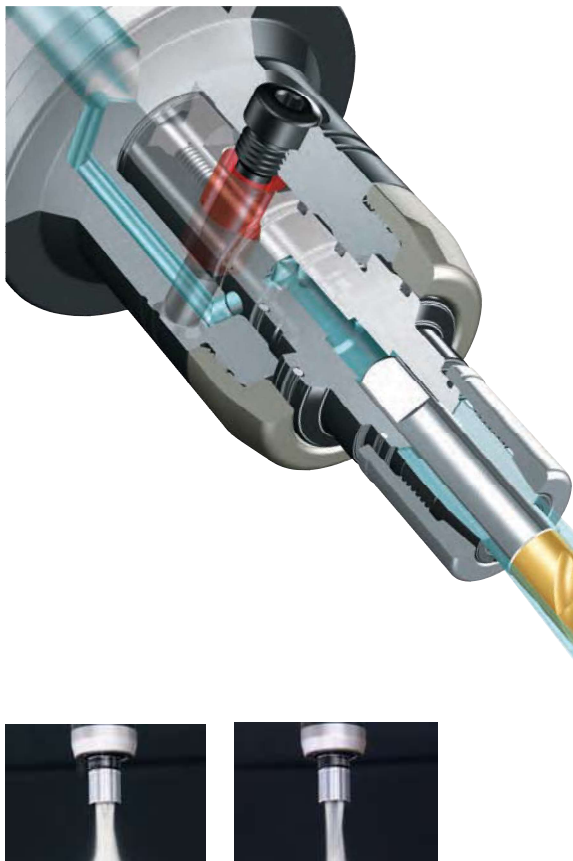
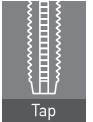
Synchro kierteitysistukat



MEGA SYNCHRO® Tapping Holder

Compensates for synchronization errors during rigid tapping. Improves thread quality and tool life by reducing thrust loads caused by synchronization errors up to 90%.

- Tapping range: M1 - M36



39 body models and 188 tap holder models are available

New large tap series achieves the max. M36. An extensive variety of bodies suitable for many spindle types. Short, middle & long tap holders are standardized to cover between M2 and M36.

The slim design avoids interference.



Secure drive system

Body and tap holder are fixed with a drive key in the rotation direction as well as the square of the tap.



Drive Key



Tool periphery
Coolant is supplied through slits of the tap holder.



Through tool
Coolant is supplied through both the tool and the slits of tap holder.

Coolant through center capability for all models

Coolant is supplied both through the tool and to the tool periphery simultaneously.



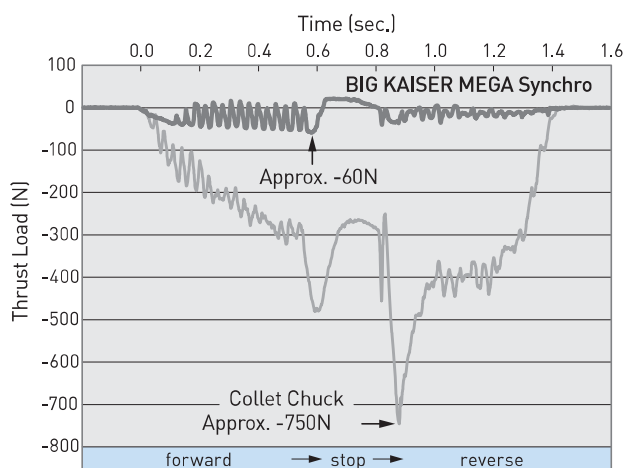
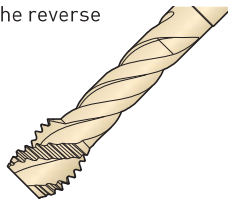
MEGA Synchro Tapping Holder compensates for synchronization errors with any type of tap

Minimized thrust load to both the tap and workpiece improves thread quality and tap life.

Load to tap – spiral tap

Spiral grooves on spiral tap cause loading in the reverse direction, similar to an end mill.

- M6 P1
- V: 20 m/min (1060 min⁻¹)
- Measured by Kistler dynamometer



Result

MEGA Synchro reduces load to approx. 60N. This is less than 1/10th of the load compared to a collet chuck. Approx. 750N of reversal load is applied to a tap held with a collet chuck.

Comparison of surface finish

Tapping of exotic materials tends to cause a compressed burr on the thread surface. BIG KAISER MEGA Synchro compensates for synchronization errors and minimizes cutting load.

Spiral tap

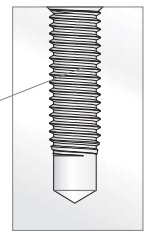
M5 P0.8 Material : SNCM420(41CrNiMo2)



Collet chuck

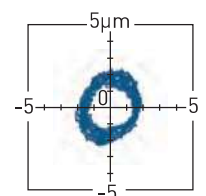


MEGA Synchro



For small tap MGT3 (M1 - M3)

Eliminated synchronization errors and minimized dynamic runout. Plotted position of a test bar (at 16 mm distance on 4 mm diameter).



For large tap MGT36 (M22 - M36)

Smooth tapping for large tapping.

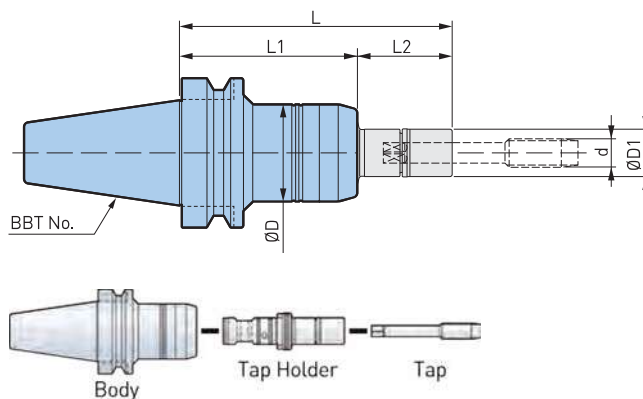


MEGA Synchro Tapping Holder

Compensates for synchronization errors during rigid tapping. Improves thread quality and tool life by reducing thrust loads caused by synchronization errors up to 90%.



A.1



BIG-PLUS tools can be used in machining centers with conventional BT spindles.

M3 - M20 mm

Model	Order No.	Tap Holder Model	Tapping Range d	ØD	ØD1	L	L1	L2	Weight (kg)
BBT30 -MGT6 - 70	965.401	MGT6 -d- 30	M3 - M8	36	16	100	70	30	0.69
		- 70				140		70	
		-100				170		100	
-MGT12 - 70	965.402	MGT12-d- 30	M5 - M12 P1/8	41	20	100	70	30	0.74
		- 70				140		70	
		-100				170		100	
-MGT20 -110	965.403	MGT20-d- 35	M10 - M20 P1/4 - P1/2	54	30	145	110	35	1.45
		- 85				195		85	
		-115				225		115	
BBT40 -MGT6 - 75	965.404	MGT6 -d- 30	M3 - M8	36	16	105	75	30	1.3
		- 70				145		70	
		-100				175		100	
-MGT12 - 75	965.405	MGT12-d- 30	M5 - M12 P1/8	41	20	105	75	30	1.4
		- 70				145		70	
		-100				175		100	
-MGT20 - 95	965.406	MGT20-d- 35	M10 - M20 P1/4 - P1/2	54	30	130	95	35	1.8
		- 85				180		85	
		-115				210		115	
BBT50 -MGT6 - 90	965.407	MGT6 -d- 30	M3 - M8	36	16	120	90	30	3.9
		- 70				160		70	
		-100				190		100	
-MGT12 - 90	965.408	MGT12-d- 30	M5 - M12 P1/8	41	20	120	90	30	4.0
		- 70				160		70	
		-100				190		100	
-MGT20 -105	965.409	MGT20-d- 35	M10 - M20 P1/4 - P1/2	54	30	140	105	35	4.4
		- 85				190		85	
		-115				220		115	

1. Tap holder is to be ordered separately.
2. Rigid tapping function is required on the machine tool.



For Tap Holder ▶ 276

For Accessories ▶ 280

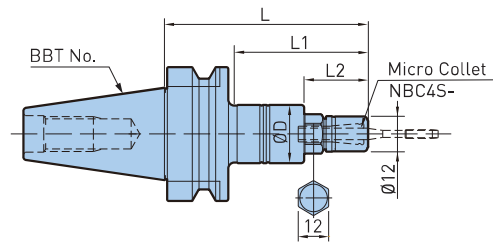
For MEGA Wrench ▶ 281

MEGA Synchro Tapping Holder

For small Tap MGT3



A.1



BIG-PLUS tools can be used in machining centers with conventional BT spindles.

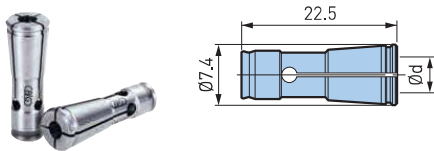
M1 - M3

Model	Order No.	Tapping Range	ØD	L	L1	L2	Weight (kg)
BBT30 -MGT3 -70	965.400	M1 - M3	20	70	46	22	0.49
BBT40 -MGT3 -90	805.723			90	61		1.2

1. Nut is included. MEGA Wrench (MGR12) and collet are to be ordered separately.
2. 12 mm common spanner is also required to hold the hex portion of the body when clamping/unclamping the tap.
3. Rigid tapping function is required on the machine tool.
4. Not capable of supplying coolant through the holder body.

For Accessories ▶ 281

Micro Collet for MGT3



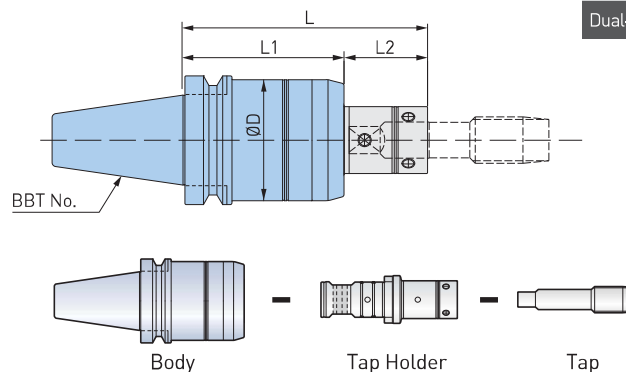
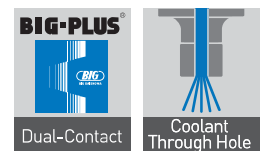
Model	Order No.	Tapping Range			Tap Shank
		DIN371	ISO529	JIS	Ød
NBC4S-2.5AA	961.468	M1 - M1.8	M2		2.5
-2.8AA	968.353	M2 - M2.6	M2.2, M2.5		2.8
-3.0AA	961.470	-	-	M1 - M2.6	3.0
-3.1AA	968.355	-	M3		3.15
-3.5AA	961.472	M3	-		3.5
-4.0AA	961.474	-	-	M3	4.0

1. Other sizes available. Please refer to micro collet.

For Micro Collet ▶ 247

For large Tap MGT36

Compensation for synchronization error eliminates heavy thrust load of large diameter tapping.



BIG-PLUS tools can be used in machining centers with conventional BT spindles.

M22 - M36

Model	Order No.	Tapping Range	ØD	L	L1	L2	Weight (kg)
BBT50-MGT36-125	800.323	M22 - M36 P5/8 - P1	94	190	125	65	7.2

1. Tap holder is to be ordered separately.
2. Rigid tapping function is required on the machine tool.

For MGT36 Tap Holder ▶ 279

For Accessories ▶ 280



MEGA Synchro Tapping Holder

Compensates for synchronization errors during rigid tapping. Improves thread quality and tool life by reducing thrust loads caused by synchronization errors up to 90%.



A.2

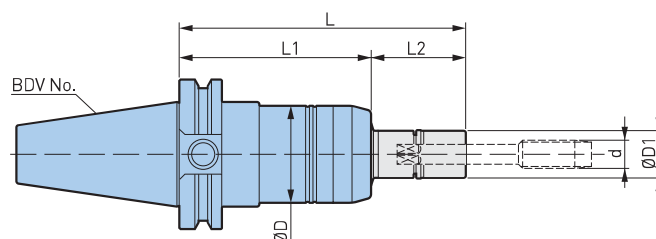


Fig. 1

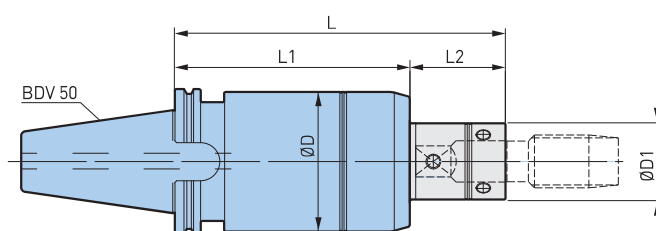
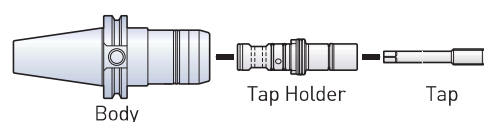


Fig. 2



BIG-PLUS tools can be used in machining centers with conventional spindles.

M3 - M36

Model	Order No.	Fig.	Tap Holder Model	Tapping Range d	ØD	ØD1	L	L1	L2	Weight (kg)
BDV40 -MGT6 - 80	963.401	1	MGT6 -d - 30	M3 - M8	36	16	110	80	30	1.3
			- 70				150		70	
			-100				180		100	
-MGT12 - 80	963.402		MGT12-d - 30	M5 - M12 P1/8	41	20	110		30	1.3
			- 70				150		70	
			-100				180		100	
-MGT20 -105	963.403		MGT20-d - 35	M10 - M20 P1/4 - P1/2	54	30	140	105	35	1.9
			- 85				190		85	
			-115				220		115	
BDV50 -MGT6 - 85	963.404	1	MGT6 -d - 30	M3 - M8	36	16	115	85	30	3.2
			- 70				155		70	
			-100				185		100	
-MGT12 - 85	963.405		MGT12-d - 30	M5 - M12 P1/8	41	20	115		30	3.2
			- 70				155		70	
			-100				185		100	
-MGT20 -105	963.406		MGT20-d - 35	M10 - M20 P1/4 - P1/2	54	30	140	105	35	3.8
			- 85				190		85	
			-115				220		115	
BDV50 -MGT36 -160	805.002	2	MGT36-d - 65	M22 - M36 P5/8 - P1	94	30 - 50	225	160	65	8.7

1. Tap Holder is to be ordered separately.
2. Rigid tapping function is required on the machine tool.
3. MEGA Wrench is not required for MGT36.



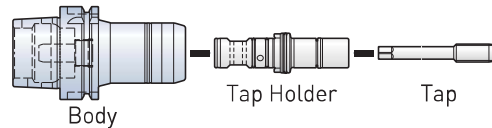
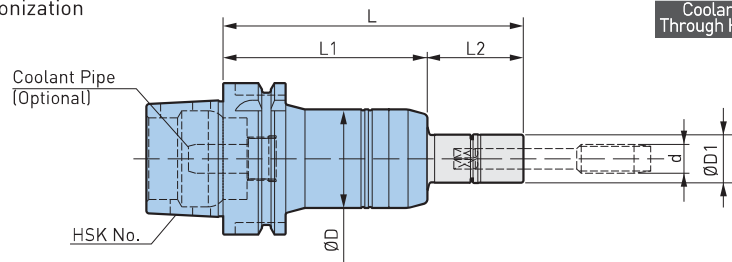
For Tap Holder ► 276

For Accessories ► 280

For MEGA Wrench ► 281

MEGA Synchro Tapping Holder

Compensates for synchronization errors during rigid tapping. Improves thread quality and tool life by reducing thrust loads caused by synchronization errors up to 90%.



M3 - M20

Model	Order No.	Tap Holder Model	Tapping Range d	ØD	ØD1	L	L1	L2	Weight (kg)
HSK-A40 -MGT6 - 80	965.601	MGT6-d - 30	M3 - M8	36	16	110	80	30	0.6
		- 70				150		70	
		-100				180		100	
-MGT12 - 85	965.602	MGT12-d - 30	M5 - M12 P1/8	41	20	115	85	30	0.7
		- 70				155		70	
		-100				185		100	
HSK-A50 -MGT6 - 85	965.603	MGT6-d - 30	M3 - M8	36	16	115	85	30	0.8
		- 70				155		70	
		-100				185		100	
-MGT12 - 85	965.604	MGT12-d - 30	M5 - M12 P1/8	41	20	115	85	30	0.9
		- 70				155		70	
		-100				185		100	
-MGT20 -125	978.325	MGT20-d - 35	M10 - M20 P1/4 - P1/2	54	30	160	125	35	1.6
		- 85				210		85	
		-115				240		115	
HSK-A63 -MGT6 - 85	965.606	MGT6-d - 30	M3 - M8	36	16	115	85	30	1.1
		- 70				155		70	
		-100				185		100	
-MGT12 - 85	965.607	MGT12-d - 30	M5 - M12 P1/8	41	20	115	85	30	1.2
		- 70				155		70	
		-100				185		100	
-MGT20 -110	965.608	MGT20-d - 35	M10 - M20 P1/4 - P1/2	54	30	145	110	35	1.8
		- 85				195		85	
		-115				225		115	
HSK-A100 -MGT6 - 95	965.609	MGT6-d - 30	M3 - M8	36	16	125	95	30	2.6
		- 70				165		70	
		-100				195		100	
-MGT12 - 95	965.610	MGT12-d - 30	M5 - M12 P1/8	41	20	125	95	30	2.7
		- 70				165		70	
		-100				195		100	
-MGT20 -115	965.611	MGT20-d - 35	M10 - M20 P1/4 - P1/2	54	30	150	115	35	3.3
		- 85				200		85	
		-115				230		115	
HSK-A125 -MGT12 -105	805.655	MGT12-d - 30	M5 - M12 P1/8	41	20	135	105	30	4.1
		- 70				175		70	
		-100				205		100	
-MGT20 -120	805.656	MGT20-d - 35	M12 - M20 P1/4 - P1/2	54	30	155	120	35	4.7
		- 85				205		85	
		-115				235		115	

1. Tap holder is to be ordered separately.
2. Coolant pipe is to be ordered separately.
3. Rigid tapping function is required on the machine tool.



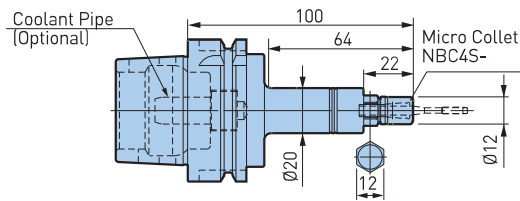
For Coolant Pipe ▶ 175
For Tap Holder ▶ 276
For MEGA Wrench ▶ 281
For Accessories ▶ 280

MEGA Synchro Tapping Holder

For small Tap MGT3



M1 - M3

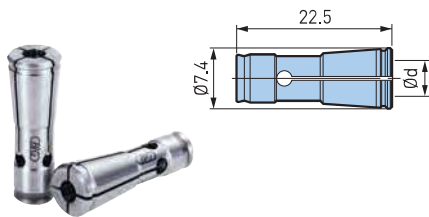


Model	Order No.	Weight (kg)
HSK-A63-MGT3-100	805.542	1.0

For Accessories ► 281

1. Nut is included. MEGA wrench (MGR12) and collet are to be ordered separately.
2. 12 mm common spanner is also required to hold the hex portion of the body when clamping/unclamping the tap.
3. Rigid tapping function is required on the machine tool.
4. Not capable of supplying coolant through the holder body.

Micro Collet for MGT3

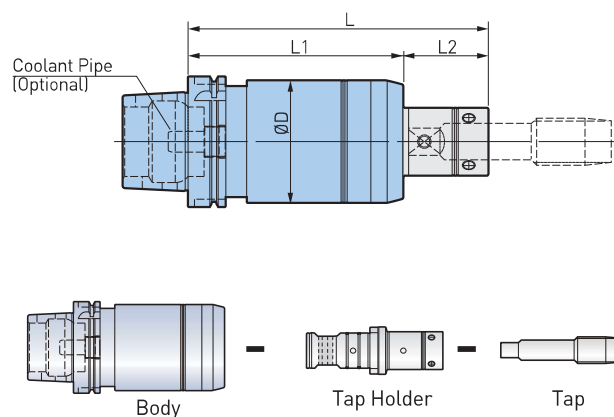


Model	Order No.	Tapping Range d			Tap Shank
		DIN371	ISO529	JIS	Ød
NBC4S-2.5AA	961.468	M1 - M1.8	M2		2.5
-2.8AA	968.353	M2 - M2.6	M2.2, M2.5		2.8
-3.0AA	961.470	-	-	M1 - M2.6	3.0
-3.1AA	968.355	-	M3		3.15
-3.5AA	961.472	M3	-		3.5
-4.0AA	961.474	-	-	M3	4.0

1. Other sizes available. Please refer to micro collet.

For Micro Collet ► 247

For large Tap MGT36



M22 - M36

Model	Order No.	Tapping Range d	ØD	L	L1	L2	Weight (kg)
HSK-A100-MGT36-165	801.164	M22 - M36	94	230	165	65	8.2
HSK-A125-MGT36-170	805.657	P5/8 - 1	94	235	170	65	10.1

1. Tap holder is to be ordered separately.
2. Coolant pipe is to be ordered separately.
3. Rigid tapping function is required on the machine tool.



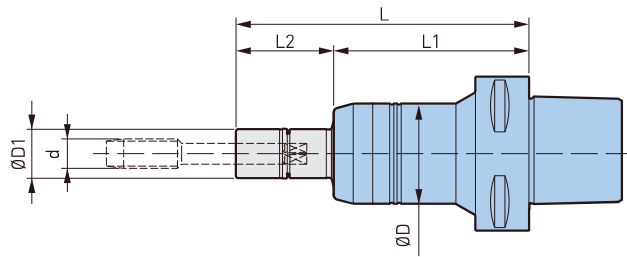
For Accessories ► 280

For MGT36 Tap Holder ► 277 / 279

For Coolant Pipe ► 175

MEGA Synchro Tapping Holder

Compensates for synchronization errors during rigid tapping. Improves thread quality and tool life by reducing thrust loads caused by synchronization errors up to 90%.



M3 - M20

A.4

Model	Order No.	Tap Holder Model	Tapping Range d	ØD	ØD1	L	L1	L2	Weight (kg)
C5 -MGT6 - 75	800.767	MGT6 -d - 30	M3 - M8	36	16	105	75	30	0.8
		- 70				145		70	
		-100				175		100	
-MGT12 - 75	800.765	MGT12 -d - 30	M5 - M12 P1/8	41	20	105	75	30	0.9
		- 70				145		70	
		-100				175		100	
-MGT20 - 100	800.766	MGT20 -d - 35	M10 - M20 P1/4 - P1/2	54	30	135	100	35	1.4
		- 85				185		85	
		-115				215		115	
C6 -MGT6 - 80	973.754	MGT6 -d - 30	M3 - M8	36	16	110	80	30	1.1
		- 70				150		70	
		-100				180		100	
-MGT12 - 80	973.755	MGT12 -d - 30	M5 - M12 P1/8	41	20	110	80	30	1.2
		- 70				150		70	
		-100				180		100	
-MGT20 - 100	973.756	MGT20 -d - 35	M10 - M20 P1/4 - P1/2	54	30	135	100	35	1.8
		- 85				185		85	
		-115				215		115	
C8 -MGT6 - 80	800.935	MGT6 -d - 30	M3 - M8	36	16	110	80	30	2.1
		- 70				150		70	
		-100				180		100	
-MGT12 - 80	800.933	MGT12 -d - 30	M5 - M12 P1/8	41	20	110	80	30	2.2
		- 70				150		70	
		-100				180		100	
-MGT20 - 95	800.934	MGT20 -d - 35	M10 - M20 P1/4 - P1/2	54	30	130	95	35	2.6
		- 85				180		85	
		-115				210		115	

1. Tap holder and wrench are to be ordered separately.
2. Rigid tapping function is required on the machine tool.



For Tap Holder ▶ 276

For MEGA Wrench ▶ 281

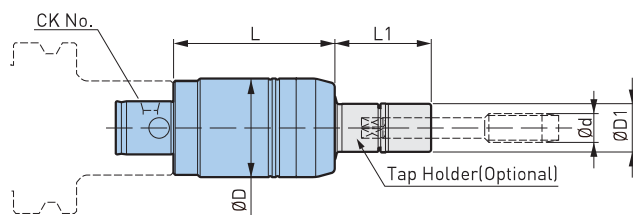
For Accessories ▶ 280

Tapping range for DIN & ISO standard

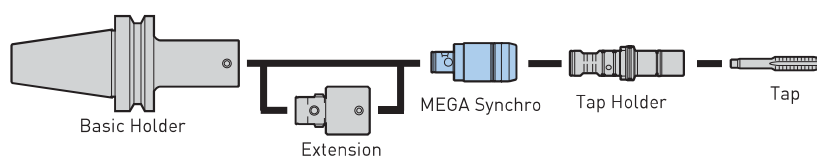
MGT Size	DIN Standard			ISO Standard	
	DIN371	DIN376	DIN353	ISO529	ISO2284
MGT6	M3 - M6	M5 - M8	-	M3 - M5	-
MGT12	M5 - M8	M8 - M12	1/8	M6, M8, M12	1/8
MGT20	M10	M12 - M20	1/4 - 1/2	M10 - M20	1/4 - 3/8

MEGA Synchro Tapping Holders

Compensates for synchronization errors during rigid tapping. Improves thread quality and tool life by reducing thrust loads caused by synchronization errors up to 90%.



Model	Order No.	CK	Ød	ØD	ØD1	L	L1	Tap Holder	Weight (kg)
CKB4-MGT6 - 62	335.764	CKB4	M2 - M6	36	16	62	30-200	MGT 6	0.5
-MGT12 - 67	335.768		M6 - M12	41	20	67	30-200	MGT12	0.6
CKB5-MGT20- 87	335.769	CKB5	M12 - M20	54	30	87	35-150	MGT20	1.2
CKB7-MGT36-137	800.949	CKB7	M20 - M36	94	32-52	137	65	MGT36	6.8

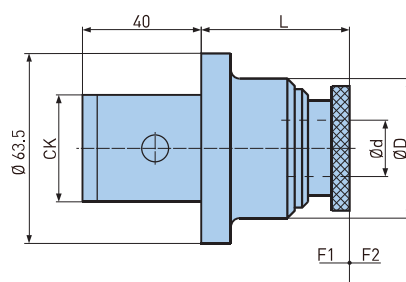


For Tap Holder ▶ 276

For Accessories ▶ 280

For MEGA Wrench ▶ 281

Tapping Holders

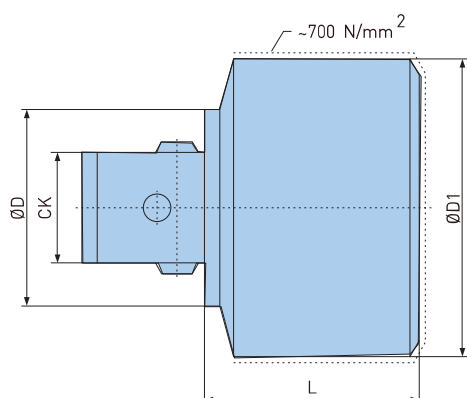


Model	Order No.	CK	Range	ØD	Ød	L	F1	F2	Weight (kg)
CK6-ATE12E	335.762	CK6	M4 - M12	47	19	50	5	10	0.87
-ATE24E	335.763		M10 - M24	64	31	80	7	14	1.6

1. F1 = length compensation compression.
2. F2 = length compensation extension.
3. Please contact BIG KAISER agent for tap collet.

Blanks

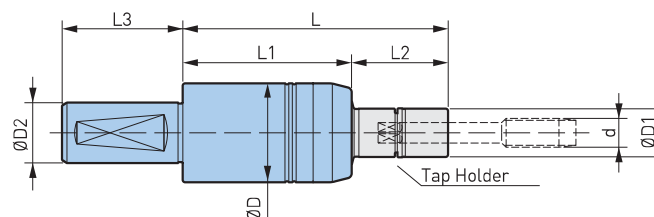
The CK connector is hardened and ground. In the marked areas (---) the blanks are unhardened and unground.



Model	Order No.	CK	ØD	ØD1	L
CKB3-31 - 65	335.531	CKB3	31	31	65
-42 - 50	335.532		42	42	50
CKB4-39 - 80	335.541	CKB4	39	39	80
-54 - 50	335.542		54	54	50
CKB5-50 -100	335.551	CKB5	50	50	100
-70 - 60	335.552		70	70	60
CKB6-64 -120	335.561	CKB6	64	64	120
-64 -220	335.563		64	64	220
-97 - 70	335.562		97	97	70
CKB7-90 -180	335.571	CKB7	90	90	180

MEGA Synchro Tapping Holder

Compensates for synchronization errors during rigid tapping. Improves thread quality and tool life by reducing thrust loads caused by synchronization errors up to 90%.



M3 - M20

Model	Order No.	Tap Holder Model	d	ØD	ØD1	ØD2	L	L1	L2	L3	Weight (kg)
ST20 -MGT6 - 65	963.601	MGT6-d - 30	M3 - M8	36	16	20	95	65	30	40	0.5
		- 70					135		70		
		-100					165		100		
ST25 -MGT12 - 70	963.602	MGT12-d - 30	M5 - M12 P1/8	41	20	25	100	70	30	50	0.8
		- 70					140		70		
		-100					170		100		
ST32 -MGT20 - 90	963.603	MGT20-d - 35	M10 - M20 P1/4 - P1/2	54	30	32	125	90	35	55	1.5
		- 85					175		85		
		-115					205		115		

1. Tap holder and wrench are to be ordered separately.
2. Rigid tapping function is required on the machine tool.
3. Side lock holder model TSL is recommended as a basic holder.

For Tap Holders ► 276

For Accessories ► 280

For Side Lock Holder BBT ► 68

For Side Lock Holder BDV ► 109

For Side Lock Holder BIG CAPTO ► 188

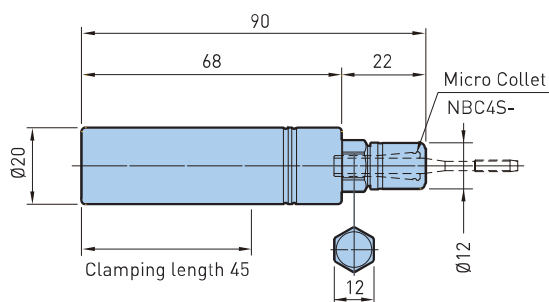
For small Tap MGT3



M1 - M3

Model	Order No.
ST20-MGT3-90	978.356

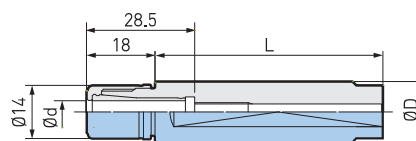
For Collet ► 281



1. Nut is included. MEGA Wrench (MGR12) and collet are to be ordered separately.
2. 12 mm common spanner is also required to hold the body when clamping/unclamping the tap.
3. Rigid tapping function is required on the machine tool.
4. Not capable of supplying coolant through the holder body.

MEGA Micro Chuck

Smaller nut diameter than body allows installation into toolholder of small lathes from the back side.



Ø 0.45 - 6.05 mm

Model	Order No.	Ød	ØD	L	Collet Model
SL16 -MEGA6S -60	803.594	0.45 - 6.05	16	60	NBC6S-
SL20 -MEGA6S -40	803.595		20	40	
-80	803.602		80	80	
SL15.875-MEGA6S -60	803.593		15.875	60	

For MEGA Wrench ▶ 271

For Micro Collet ▶ 247

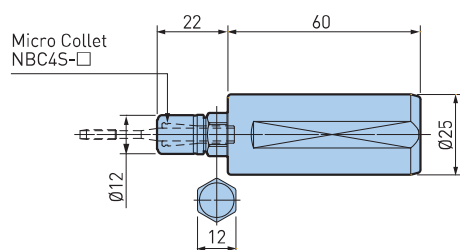
1. MEGA nut is included.
2. Designed to be capable of supplying coolant through the body.
3. MEGA wrench (MGR14) is to be ordered separately.

A.7

MEGA Synchro Tapping Holder

Rigid tapping attachment with error compensation

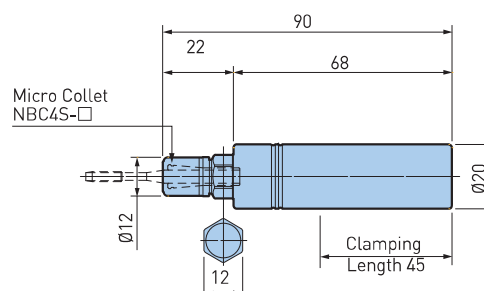
Improves thread quality and tool life by reducing thrust loads caused by synchronization errors up to 90%.



Model	Order No.
SLS25-MGT3-22	804.115

For Accessories ▶ 281

1. MEGA nut is included.
2. MEGA wrench (MGR12) and common spanner (12 mm) are required to clamp/unclamp the tap.



Model	Order No.
ST20-MGT3-90	978.356

For Accessories ▶ 281

1. MEGA nut is included.
2. MEGA wrench (MGR12) and common spanner (12 mm) are required to clamp/unclamp the tap.
3. There is no flat on the shank.

Tap Holders for MEGA Synchro Tapping Holder

Available in short, long and extra long length (150 mm, 200 mm) to meet all production requirements.

MGT6 (Tap size **DIN**: M3 - M8; **ISO**: M3 - M5)

Model	Order No.	Tap Size d			Ød1	□d2	H	L	ØD	Weight (kg)
		DIN371	DIN376	ISO529						
MGT6 -031025 - 30	963.611							30		0.12
- 70	963.612							70		0.18
-100	963.613			M3	3.15	2.5	20	100		0.23
-150	963.614							150		0.31
-035027 - 30	963.615							30		0.12
- 70	963.616							70		0.18
-100	963.617			M3	3.5	2.7	21	100		0.23
-150	963.618							150		0.31
-040032 - 30	963.619							30		0.12
- 70	963.620							70		0.18
-100	963.621			M4	4.0	3.15	21	100		0.23
-150	963.622							150		0.31
-045034 - 30	963.623							30		0.12
- 70	963.624							70		0.18
-100	963.625			M4	4.5	3.4	21	100		0.22
-150	963.626							150		0.30
-050040 - 30	963.627							30		0.12
- 70	963.628							70		0.18
-100	963.629			M5	5.0	4.0	25	100		0.22
-150	963.630							150		0.30
-200	963.631							200		0.37
-060049 - 30	963.632							30		0.12
- 70	963.633							70		0.17
-100	963.634			M5, M6	6.0	4.9	26	100		0.22
-150	963.635							150		0.30
-200	963.636							200		0.37

1. Nut is included. Wrench is to be ordered separately.

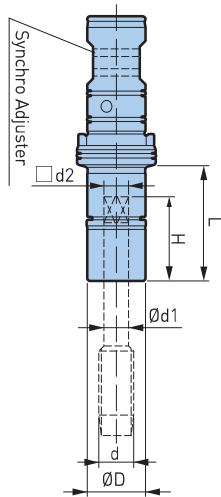
For Accessories ► 280

MGT12 (Tap size **DIN**: M5 - M12; **ISO**: M6 - M12)

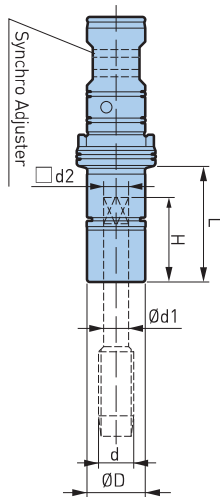
Model	Order No.	Tap Size d			Ød1	□d2	H	L	ØD	Weight (kg)
		DIN371	DIN376	ISO529						
MGT12 -060049 - 30	963.637							30		0.19
- 70	963.638							70		0.29
-100	963.639			M5, M6	6.0	4.9	28	100		0.36
-150	963.640							150		0.48
-200	963.641							200		0.60
-063050 - 30	963.642							30		0.19
- 70	963.643							70		0.29
-100	963.644			M6	6.3	5.0	28	100		0.36
-150	963.645							150		0.48
-200	963.646							200		0.60
-070055 - 30	963.647							30		0.19
- 70	963.648							70		0.28
-100	963.649			M10	7.0	5.5	28	100		0.35
-150	963.650							150		0.47
-200	963.651							200		0.59
-080063 - 30	963.652							30		0.18
- 70	963.653							70		0.28
-100	963.654			M8	8.0	6.3	29	100		0.35
-150	963.655							150		0.46
-200	963.656							200		0.58
-090071 - 30	963.657							30		0.18
- 70	963.658							70		0.27
-100	963.659			M12	9.0	7.1	30	100		0.34
-150	963.660							150		0.46
-200	963.661							200		0.58

1. Nut is included. Wrench is to be ordered separately.

For Accessories ► 280



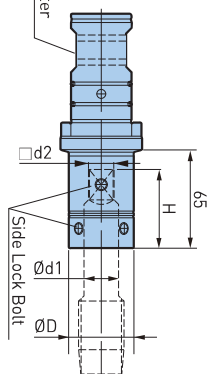
A.8

MGT20 (Tap size **DIN**: M10 - M20; **ISO**: M10 - M20)

Model	Order No.	Tap Size d			Ød1	□ d2	H	L	ØD	Weight (kg)
		DIN371	DIN376	ISO529						
MGT20 -090071 - 35	963.662		M12	M12	9.0	7.1	30	35		0.55
- 85	963.663							85		0.82
-115	963.664							115		0.98
-150	963.665							150		1.17
-100080 - 35	963.666	M10		M10	10.0	8.0	33	35		0.54
- 85	963.667							85		0.80
-115	963.668							115		0.96
-150	963.669							150		1.15
-110090 - 35	963.670		M14		11.0	9.0	34	35		0.53
- 85	963.671							85		0.79
-115	963.672							115		0.95
-150	963.673							150		1.14
-112090 - 35	963.674			M14	11.2	9.0	34	35	30	0.53
- 85	963.675							85		0.79
-115	963.676							115		0.95
-150	963.677							150		1.14
-120090 - 35	963.678		M16		12.0	9.0	34	35		0.52
- 85	963.679							85		0.78
-115	963.680							115		0.94
-150	963.681							150		1.13
-125100 - 35	963.682			M16	12.5	10.0	35	35		0.52
- 85	963.683							85		0.77
-115	963.684							115		0.93
-150	963.685							150		1.11
-140110 - 35	963.686		M18		14.0	11.0	36	35		0.51
- 85	963.687							85		0.76
-115	963.688							115		0.92
-150	963.689							150		1.10
-140112 - 35	963.690			M18, M20	14.0	11.2	36	35		0.51
- 85	963.691							85		0.76
-115	963.692							115		0.92
-150	963.693							150		1.10
-160120 - 35	805.173		M20		16.0	12.0	37	35		0.51
-150	805.172							150		1.10

1. Nut is included. Wrench is to be ordered separately.

For Accessories ► 280

MGT36 (Tap size **DIN**: M22 - M36)

Tap Holder Model	Order No.	Tap size		Ød1	□ d2	H	ØD	Weight (kg)
		DIN376	DIN353					
MGT36-180145-65	805.240	M22, 24	P5/8	18	14.5	45	38	1.4
-200160-65	805.241	M27	P3/4	20	16	51	40	1.4
-220180-65	805.238	M30	P7/8	22	18	53	42	1.5
-250200-65	805.242	M33	P1	25	20	58	49	1.6
-280220-65	805.239	M36	-	28	22	62	52	1.6

1. Wrench is not required.

For Accessories ► 280

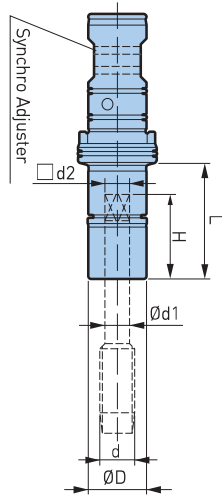
Caution

Tap shank (Ød1) and square (□ d2) must be matched. Please carefully check before order.

Tap Holders for MEGA Synchro Tapping Holder

Available in short, long and extra long length (150 mm, 200 mm) to meet all production requirements.

MGT6 (Tap size **JIS**: M2 - M6)



Model	Order No.	Tap Size d			Ød1	□d2	H	L	ØD	Weight (kg)
		Metric	Pipe	Unify						
MGT6 -M2 - 30	963.400	M2		No. 3 No. 4	3	2.5	19	30	16	0.12
	- 70 801.481							70		0.18
	-100 801.479							100		0.23
	-150 801.480							150		0.31
-M3 - 30	801.484	M3		No. 5 No. 6	4	3.2	21	30		0.12
	- 70 801.485							70		0.18
	-100 801.482							100		0.23
	-150 801.483							150		0.31
-M4 - 30	801.489	M4		No. 8	5	4	25	30		0.12
	- 70 801.490							70		0.18
	-100 801.486							100		0.22
	-150 801.487							150		0.30
-M5 - 30	801.488	M5		No. 10 No. 12	5.5	4.5	25	200		0.37
	- 70 801.494							30		0.12
	- 70 801.495							70		0.18
	-100 801.491							100		0.22
-M6, U1/4 - 30	801.492	M6		U1/4	6	4.5	25	150		0.30
	-150 801.493							200		0.37
	- 70 801.499							30		0.12
	- 70 801.500							70		0.17
-100	801.496							100		0.22
	-150 801.497							150		0.30
	-200 801.498							200		0.37

1. Nut is included. Wrench is to be ordered separately.

For Accessories ▶ 280

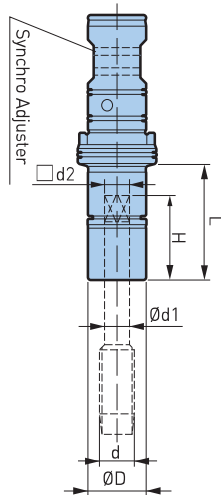
MGT12 (Tap size **JIS**: M6 - M12)

Model	Order No.	Tap Size d			Ød1	□d2	H	L	ØD	Weight (kg)
		Metric	Pipe	Unify						
MGT12-M6, U1/4 - 30	978.286	M6		U1/4	6	4.5	27	30		0.19
	- 70 801.415							70		0.29
	-100 801.412							100		0.36
	-150 801.413							150		0.48
-200	801.414							200		0.60
-U5/16 - 30	801.424			U5/16	6.1	5	28	30		0.19
	- 70 801.425							70		0.29
	-100 801.421							100		0.36
	-150 801.422							150		0.48
-200	801.423							200		0.60
-M8 - 30	978.287	M8			6.2	5	28	30		0.19
	- 70 801.419							70		0.29
	-100 801.416							100		0.36
	-150 801.417							150		0.48
-200	801.418							200		0.60
-M10, U3/8 - 30	978.288	M10		U3/8	7	5.5	28	30	20	0.19
	- 70 801.408							70		0.28
	-100 801.405							100		0.35
	-150 801.406							150		0.47
-200	801.407							200		0.59
-U7/16, P1/8 - 30	801.429		P1/8	U7/16	8	6	29	30		0.18
	- 70 801.430							70		0.28
	-100 801.426							100		0.35
	-150 801.427							150		0.46
-200	801.428							200		0.58
-M12 - 30	978.289	M12			8.5	6.5	29	30		0.18
	- 70 801.411							70		0.27
	-100 801.409							100		0.34
	-150 963.399							150		0.46
-200	801.410							200		0.58

1. Nut is included. Wrench is to be ordered separately.

For Accessories ▶ 280

MGT20 (Tap size JIS: M12 - M20)

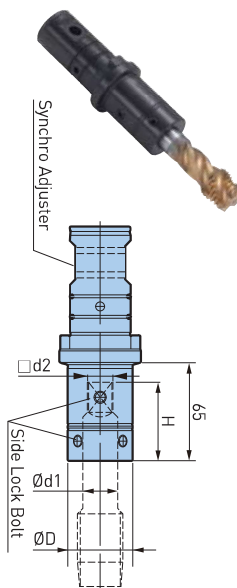


Model	Order No.	Tap Size d			Ød1	□ d2	H	L	ØD	Weight (kg)
		Metric	Pipe	Unify						
MGT20-M12 - 35	801.433	M12			8.5	6.5	29	35	30	0.55
- 85	801.434							85		0.82
-115	801.431							115		0.98
-150	801.432							150		1.17
-U1/2 - 35	801.460			U1/2	9	7	30	35		0.55
- 85	801.461							85		0.82
-115	804.130							115		0.98
-150	804.128							150		1.17
-M14, U9/16 - 35	801.437	M14		U9/16	10.5	8	33	35		0.53
- 85	801.438							85		0.79
-115	801.435							115		0.95
-150	801.436							150		1.14
-P1/4 - 35	801.454		P1/4		11	9	31	35		0.53
- 85	801.455							85		0.79
-115	801.452							115		0.95
-150	801.453							150		1.14
-U5/8 - 35	801.462			U5/8	12	9	34	35		0.52
- 85	801.463							85		0.78
-115	804.131							115		0.94
-150	804.129							150		1.13
-M16 - 35	801.441	M16			12.5	10	35	35		0.52
- 85	801.442							85		0.77
-115	801.439							115		0.93
-150	801.440							150		1.11
-M18, U3/4 - 35	801.445	M18		U3/4	14	11	36	35		0.51
- 85	801.446							85		0.76
-115	801.443							115		0.92
-150	801.444							150		1.10
-P3/8 - 35	801.458		P3/8		14	11	33	35		0.51
- 85	801.459							85		0.76
-115	801.456							115		0.92
-150	801.457							150		1.10
-M20 - 35	801.449	M20			15	12	37	35		0.49
- 85	801.450							85		0.74
-115	801.447							115		0.89
-150	801.448							150		1.06

1. Nut is included. Wrench is to be ordered separately.

For Accessories ▶ 280

MGT36 (Tap size JIS: M20 - M36; P1/4, P3/4, P1)



Tap Holder Model	Order No.	Tap size		Ød1	□ d2	H	ØD	Weight (kg)
		Size	l					
MGT36 -M20 -65	801.465	M20	65 - 68	15	12	40	32	1.2
-M22 -65	801.466	M22	71 - 74	17	13	44	34	1.3
-M24 -65	978.330	M24	74 - 77	19	15	46	39	1.4
-M27 -65	801.467	M27	80 - 83	20		50	40	1.4
-M30 -65	801.468	M30	83 - 86	23	17	52	43	1.5
-M33 -65	801.469	M33	88 - 91	25	19	57	49	1.6
-M36 -65	978.331	M36	94 - 97	28	21	61	52	1.6
-P1/2 -65	801.471	P1/2	38 - 41	18	14	42	35	1.3
-P3/4 -65	801.473	P3/4		23	17	47	43	1.5
-P1 -65	801.472	P1	49 - 52	26	21	46	50	1.7

1. Wrench is not required.

For Accessories ▶ 280

Caution

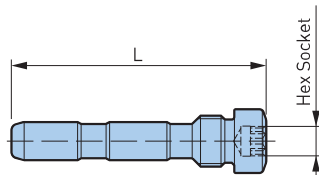
Tap shank (Ød1) and square (□ d2) must be matched. Please carefully check before order.

Spare Parts for MEGA Synchro Tapping Holder

MGT Set Screw

For MGT6, MGT12, MGT20, MGT36

Made of high-strength material. Secures the tap holder into body.

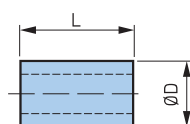


Model	Order No.	Hex Socket size	L	Body
MGT6SS	963.711	4	35	MGT 6
MGT12SS	963.432	4	40	MGT12
MGT20SS	963.713	5	53	MGT20
MGT36SS	801.478	8	92	MGT36

Synchro Adjuster

For MGT6, MGT12, MGT20, MGT36

Made of special material. Replaceable bushing in tap holder.



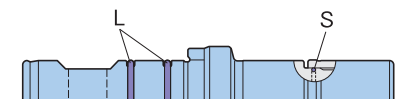
Model	Order No.	ØD	L	Tap Holder
MGT6SA	963.721	9	11	MGT 6-d-
MGT12SA	963.722	10	15	MGT12-d-
MGT20SA	963.723	14	24	MGT20-d-
MGT36SA	801.474	20	32	MGT36-d-

1. Set includes 5 pieces.

O-Ring Set

For MGT6, MGT12, MGT20

Set includes 1 small, 2 large size.

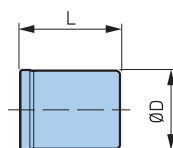


Model	Order No.	Nut. Dia	Tap Holder
MGT6 OR	801.501	Ø 16	MGT 6-d-
MGT12 OR	801.420	Ø 20	MGT12-d-
MGT20 OR	801.451	Ø 30	MGT20-d-
MGT36 OR	801.470	-	MGT36-d-

MGT Nut

For MGT6, MGT12, MGT20

Exclusive nut for MEGA synchro tapping holder.

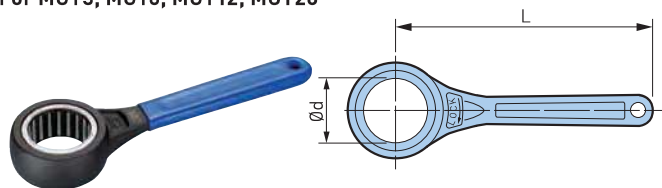


Model	Order No.	ØD	L	Tap Holder
MGN6T	963.700	16	19	MGT 6-d-
MGN12T	963.702	20	21	MGT12-d-
MGN20T	963.703	30	24	MGT20-d-

Accessories for MEGA Synchro Tapping Holder

MEGA Wrench

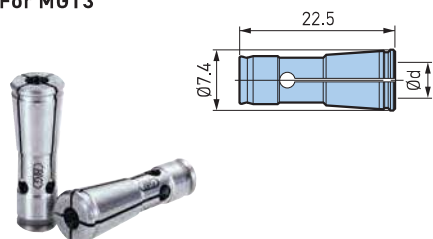
For MGT3, MGT6, MGT12, MGT20



Model	Order No.	Ød	L	Tap Holder
MGR12	969.450	12	90	MGT 3
MGR16	969.446	16	90	MGT 6-d-
MGR20L	969.447	20	160	MGT12-d-
MGR30L	969.448	30	220	MGT20-d-

Micro Collet

For MGT3



Model	Order No.	Tapping Range d			Tap Shank
		DIN371	ISO529	JIS	Ød
NBC4S-2.5AA	961.468	M1 - M1.8	M2	-	2.5
-2.8AA	968.353	M2 - M2.6	M2.2, M2.5	-	2.8
-3.0AA	961.470	-	-	M1 - M2.6	3.0
-3.1AA	968.355	-	M3	-	3.15
-3.5AA	961.472	M3	-	-	3.5
-4.0AA	961.474	-	-	M3	4.0

1. Other sizes available. Please refer to micro collet.

For Micro Collet ▶ 247

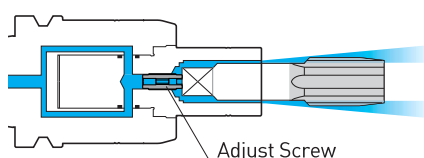
A.8

Adjusting Screw for MGT36

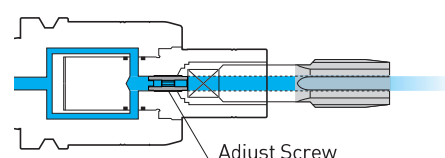
Adjustment of tap projection length (Adjustable amount: 3 mm). Coolant supply is also adjustable in 2 ways by reversing the adjust screw.

Model	Order No.
MGT36AJ	801.464

Tap without hole



Tap with hole



Side Lock Bolt Set for MGT36

Spare locking screw to clamp a tap.

Set Model	Order No.	Tap Holder Model		Bolt size
		DIN	JIS	
MGT36SL6	801.476	-	MGT36 -M20 -65	M6 x 8L (x4) + M6 x 10L (x2)
		-	-M22 -65	
		-	-P1/2 -65	
MGT36SL8	801.477	MGT36 -180145-65	-M24 -65	M8 x 10L (x4) + M8 x 12L (x2)
		-200160-65	-M27 -65	
		-220180-65	-M30 -65	
			-P3/4 -65	
MGT36SL10	801.475	MGT36 -250200-65	MGT36 -M33 -65	M10 x 12L (x4) + M10 x 14L (x2)
		-280220-65	-M36 -65	
			-P1 -65	