

UTILIS
multidec[®]
swiss type tools

multidec[®]-TAPER-IN

TOOL HOLDERS FOR SAW BLADES, SIDE MILLS AND END MILLS



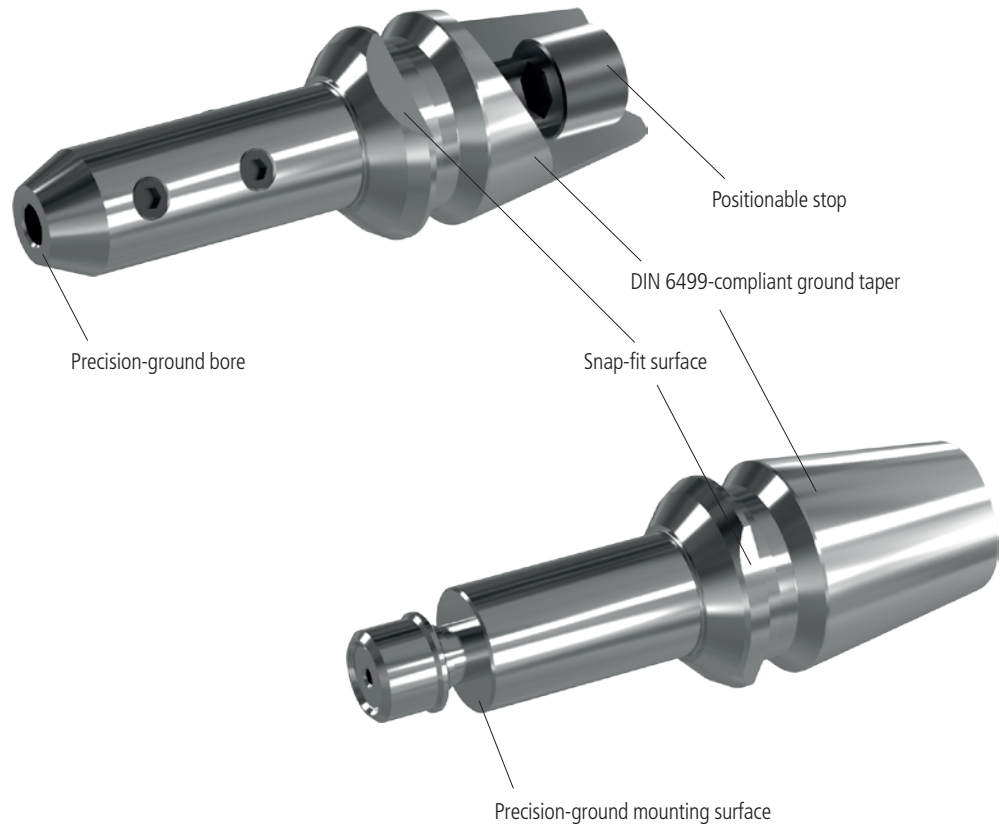
INNOVATION

**MONOBLOC DESIGN FOR OUTSTANDING ACCURACY AND STABILITY,
PLUS TIME SAVINGS DURING TOOL CHANGE
THANKS TO POSITIONABLE STOP**

future since **1915**

UTILIS[®]
Tooling for High Technology

multidec®-TAPER-IN is a tool holder serie that has been specially developed to be used on Swiss type turning machines. These tool holders have a monoblock design in order to achieve the highest possible stability. The multidec®-TAPER-IN tool holders can be used in any driven or stationary spindle compliant with the DIN 6499 standard.



Benefits:

- Ideally suited to Swiss-type turning machines (profile turning)
- Direct fit in the collet chuck with ER cone
- No special clamping nuts are needed
- Monoblock design for reduced added tolerance
- High stability
- Ground surfaces
- Holder for ER sizes 11, 16, 20 and 25
- Concentric accuracy of 0.005 mm
- Stop screw adjustable on both sides for tool positioning

For end mills



Fig. 1

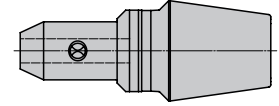
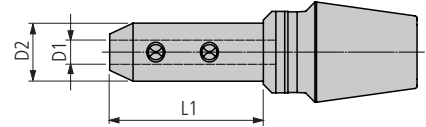


Fig. 2



MTIM ER ...

Order designation		Dimensions						Fig.
		ER	D1	L1	D2			
MTIM ER8-1.00-10	■	8	1	10	6.4			1
MTIM ER8-1.00-15	■	8	1	15	6.4			1
MTIM ER8-1.50-10	■	8	1.5	10	6.4			1
MTIM ER8-1.50-15	■	8	1.5	15	6.4			1
MTIM ER8-1.59-10	■	8	1.59	10	6.4			1
MTIM ER8-1.59-15	■	8	1.59	15	6.4			1
MTIM ER8-2.00-10	■	8	2	10	6.4			1
MTIM ER8-2.00-15	■	8	2	15	6.4			1
MTIM ER8-3.00-10	■	8	3	10	7			1
MTIM ER8-3.00-15	■	8	3	15	7			1
MTIM ER8-3.18-10	■	8	3.18	10	7			1
MTIM ER8-3.18-15	■	8	3.18	15	7			1
MTIM ER11-1.59-10	■	11	1.59	10	6.4			1
MTIM ER11-2.00-10	■	11	2	10	6.4			1
MTIM ER11-3.00-10	■	11	3	10	8			1
MTIM ER11-3.00-15	■	11	3	15	8			1
MTIM ER11-3.00-20	■	11	3	20	8			2
MTIM ER11-3.18-10	■	11	3.18	10	8			1
MTIM ER11-3.18-15	■	11	3.18	15	8			1
MTIM ER11-3.18-20	■	11	3.18	20	8			2
MTIM ER11-4.00-15	■	11	4	15	8			1
MTIM ER11-4.00-20	■	11	4	20	8			2
MTIM ER16-1.00-16	■	16	1	16	6.4			1
MTIM ER16-1.50-16	■	16	1.5	16	6.4			1
MTIM ER16-1.59-16	■	16	1.59	16	6.4			1
MTIM ER16-2.00-16	■	16	2	16	6.4			1
MTIM ER16-1.00-16	■	16	1	16	6.4			1
MTIM ER16-1.50-16	■	16	1.5	16	6.4			1
MTIM ER16-1.59-16	■	16	1.59	16	6.4			1
MTIM ER16-2.00-16	■	16	2	16	6.4			1
MTIM ER16-3.00-16	■	16	3	16	9.5			1
MTIM ER16-3.00-25	■	16	3	25	9.5			2
MTIM ER16-3.18-16	■	16	3.18	16	9.5			1
MTIM ER16-3.18-25	■	16	3.18	25	9.5			2
MTIM ER16-4.00-16	■	16	4	16	9.5			1
MTIM ER16-4.00-25	■	16	4	25	9.5			2
MTIM ER16-4.76-16	■	16	4.76	16	9.5			1
MTIM ER16-4.76-25	■	16	4.76	25	9.5			2
MTIM ER16-5.00-16	■	16	5	16	9.5			1
MTIM ER16-5.00-25	■	16	5	25	9.5			2
MTIM ER20-3.00-25	■	20	3	25	9.5			2
MTIM ER20-3.18-16	■	20	3.18	16	9.5			1
MTIM ER20-3.18-25	■	20	3.18	25	9.5			2
MTIM ER20-4.00-14	■	20	4	14	9.5			1
MTIM ER20-4.00-16	■	20	4	16	9.5			1

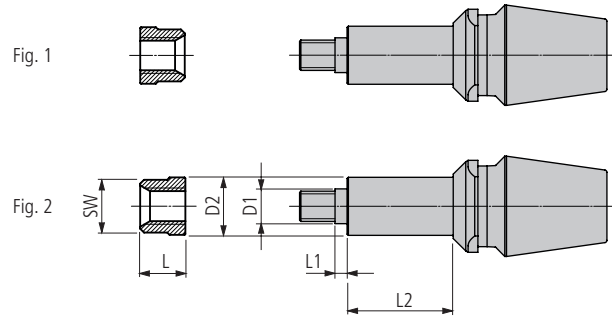
■ New

Continuation

MTIM ER ...

Order designation		Dimensions							Fig.
		ER	D1	L1	D2				
MTIM ER20-4.00-25	■	20	4	25	9.5				2
MTIM-ER20-4.76-14	■	20	4.76	14	11.4				1
MTIM ER20-4.76-25	■	20	4.76	25	11.4				2
MTIM ER20-5.00-14	■	20	5	14	11.4				1
MTIM ER20-5.00-25	■	20	5	25	11.4				2
MTIM ER20-6.00-14	■	20	6	14	12.5				1
MTIM ER20-6.00-25	■	20	6	25	12.5				2
MTIM ER20-6.35-14	■	20	6.35	14	12.5				1
MTIM ER20-6.35-25	■	20	6.35	25	12.5				2
MTIM ER25-3.00-25	■	25	3	25	10				2
MTIM ER25-3.18-25	■	25	3.18	25	10				2
MTIM ER25-4.00-25	■	25	4	25	10				2
MTIM ER25-4.76-25	■	25	4.76	25	12.5				2
MTIM ER25-5.00-25	■	25	5	25	12.5				2
MTIM ER25-6.00-25	■	25	6	25	12.5				2
MTIM ER25-6.35-25	■	25	6.35	25	12.5				2
MTIM ER25-7.00-25	■	25	7	25	16				2
MTIM ER25-7.94-25	■	25	7.94	25	16				2
MTIM ER25-8.00-25	■	25	8	25	16				2

For saw blades and side mills



MTIS ER ...

Order designation		Dimensions							Saw blade thickness	
		ER	D1	D2	L1	L2	L	SW	Fig. 1	Fig. 2
MTIS ER11-3.00-10	■	11	3	6.35	1.27	10	5	5	1.2-3	0.13-2
MTIS ER11-3.00-14	■	11	3	6.35	1.27	14	5	5	1.2-3	0.13-2
MTIS ER11-3.00-19	■	11	3	6.35	1.27	19	5	5	1.2-3	0.13-2
MTIS ER11-3.00-25	■	11	3	6.35	1.27	25	5	5	1.2-3	0.13-2
MTIS ER11-3.18-10	■	11	3.18	6.35	1.27	10	5	5	1.2-3	0.13-2
MTIS ER11-3.18-14	■	11	3.18	6.35	1.27	14	5	5	1.2-3	0.13-2
MTIS ER11-3.18-19	■	11	3.18	6.35	1.27	19	5	5	1.2-3	0.13-2
MTIS ER11-3.18-25	■	11	3.18	6.35	1.27	25	5	5	1.2-3	0.13-2
MTIS ER11-4.76-10	■	11	4.76	8	1.27	10	5	7	1.2-3	0.13-2
MTIS ER11-4.76-14	■	11	4.76	8	1.27	14	5	7	1.2-3	0.13-2
MTIS ER11-4.76-19	■	11	4.76	8	1.27	19	5	7	1.2-3	0.13-2
MTIS ER11-4.76-25	■	11	4.76	8	1.27	25	5	7	1.2-3	0.13-2
MTIS ER11-5.00-10	■	11	5	8	1.27	10	5	7	1.2-3	0.13-2
MTIS ER11-5.00-14	■	11	5	8	1.27	14	5	7	1.2-3	0.13-2
MTIS ER11-5.00-19	■	11	5	8	1.27	19	5	7	1.2-3	0.13-2
MTIS ER11-5.00-25	■	11	5	8	1.27	25	5	7	1.2-3	0.13-2
MTIS ER11-6.00-10	■	11	6	8	1.27	10	6.35	7	1.2-3	0.13-2
MTIS ER11-6.00-14	■	11	6	8	1.27	14	6.35	7	1.2-3	0.13-2
MTIS ER11-6.00-19	■	11	6	8	1.27	19	6.35	7	1.2-3	0.13-2
MTIS ER11-6.00-25	■	11	6	8	1.27	25	6.35	7	1.2-3	0.13-2
MTIS ER16-3.00-18	■	16	3	6.35	1.27	18	6.35	5	1.2-3	0.13-2.5
MTIS ER16-3.00-24	■	16	3	6.35	1.27	24	6.35	5	1.2-3	0.13-2.5
MTIS ER16-3.18-18	■	16	3.18	6.35	1.27	18	6.35	5	1.2-3	0.13-2.5
MTIS ER16-3.18-24	■	16	3.18	6.35	1.27	24	6.35	5	1.2-4	0.13-2.5
MTIS ER16-4.76-18	■	16	4.76	9.53	1.27	18	6.35	8	1.2-4	0.13-2.5
MTIS ER16-4.76-24	■	16	4.76	9.53	1.27	24	6.35	8	1.2-4	0.13-2.5
MTIS ER16-5.00-18	■	16	5	9.53	1.27	18	6.35	8	1.2-4	0.13-2.5
MTIS ER16-5.00-24	■	16	5	9.53	1.27	24	6.35	8	1.2-4	0.13-2.5
MTIS ER16-6.00-18	■	16	6	9.53	1.27	18	6.35	8	1.2-4	0.13-2
MTIS ER16-6.00-24	■	16	6	9.53	1.27	24	6.35	8	1.2-4	0.13-2
MTIS ER16-6.35-18	■	16	6.35	9.53	1.27	18	6.35	8	1.2-4	0.13-2.5
MTIS ER16-6.35-24	■	16	6.35	9.53	1.27	24	6.35	8	1.2-4	0.13-2.5
MTIS ER16-7.94-18	■	16	7.94	10	1.27	18	6.35	9	1.2-4	0.13-2.5
MTIS ER16-7.94-24	■	16	7.94	10	1.27	24	6.35	9	1.2-4	0.13-2.5
MTIS ER16-8.00-18	■	16	8	10	1.27	18	6.35	9	1.2-4	0.13-2.5
MTIS ER16-8.00-24	■	16	8	10	1.27	24	6.35	9	1.2-4	0.13-2.5
MTIS ER20-3.00-18	■	20	3	6.35	1.27	18	6.35	5	1.2-3	0.13-3
MTIS ER20-3.00-30	■	20	3	6.35	1.27	30	6.35	5	1.2-3	0.13-3
MTIS ER20-3.18-18	■	20	3.18	6.35	1.27	18	6.35	5	1.2-3	0.13-3
MTIS ER20-3.18-30	■	20	3.18	6.35	1.27	30	6.35	5	1.2-3	0.13-3
MTIS ER20-4.76-18	■	20	4.76	9.53	1.27	18	6.35	8	1.2-4	0.13-3
MTIS ER20-4.76-30	■	20	4.76	9.53	1.27	30	6.35	8	1.2-4	0.13-3
MTIS ER20-5.00-18	■	20	5	9.53	1.27	18	6.35	8	1.2-4	0.13-3
MTIS ER20-5.00-30	■	20	5	9.53	1.27	30	6.35	8	1.2-4	0.13-3
MTIS ER20-6.00-18	■	20	6	9.53	1.27	18	6.35	8	1.2-4	0.13-3



Continuation

MTIS ER ...


Order designation		Dimensions							Saw blade thickness	
		ER	D1	D2	L1	L2	L	SW	Fig. 1	Fig. 2
MTIS ER20-6.00-30	■	20	6	9.53	1.27	30	6.35	8	1.2-4	0.13-3
MTIS ER20-6.35-18	■	20	6.35	9.53	1.27	18	6.35	8	1.2-4	0.13-3
MTIS ER20-6.35-30	■	20	6.35	9.53	1.27	30	6.35	8	1.2-4	0.13-3
MTIS ER20-7.94-18	■	20	7.94	10	1.27	18	6.35	9	1.2-4	0.13-3
MTIS ER20-7.94-30	■	20	7.94	10	1.27	30	6.35	9	1.2-4	0.13-3
MTIS ER20-8.00-18	■	20	8	10	1.27	18	6.35	9	1.2-4	0.13-3
MTIS ER20-8.00-30	■	20	8	10	1.27	30	6.35	9	1.2-4	0.13-3
MTIS ER20-9.52-18	■	20	9.52	12.5	1.27	18	7	11	1.2-4	0.13-3
MTIS ER20-9.52-30	■	20	9.52	12.5	1.27	30	7	11	1.2-4	0.13-3
MTIS ER20-10.0-18	■	20	10	12.5	1.27	18	7	11	1.2-6	0.13-4
MTIS ER20-10.0-30	■	20	10	12.5	1.27	30	7	11	1.2-6	0.13-4

Including clamping nuts


For tool clamp

Illustration	Description	Dimensions	Order designation		Tool holder
	Clamping screw	M2 × 2	MSP 20020 IB0.9	■	MTIM ER8...
		M3 × 3	MSP 30030 IB1.5	■	MTIM ER11... / MTIM ER16... / MTIM ER20-3.00–5.00 / MTIM ER25-3.00–5.00
		M4 × 4	MSP 40040 IB2	■	MTIM ER20-6.00–6.35 / MTIM ER 25-6.00–8.00
	Allen key	SW 0.9	MSP IB0.9	■	MTIM ER8...

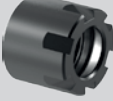
For positionable stop

Illustration	Description	Dimensions	Order designation		Tool holder
	Headless screw with hexagon socket (double-sided)	M4 × 4	MSP 40040 IB2	■	MTIM ER8...
		M6 × 5	MSP 60050 AN IB3-2.5	■	MTIM ER11...
		M8 × 6	MSP 80060 AN IB4-2.5	■	MTIM ER16... / MTIM ER20...
		M10 × 21	MSP 100210 AN IB5-2.5	■	MTIM ER25...

For side mill holder

Illustration	Description	Dimensions	Order designation		Tool holder
	Clamping nut		MSP TI 03.00 ER11	■	MTIS ER11-3.00... / MTIS ER11-3.18...
			MSP TI 03.00 ER16-ER20	■	MTIS ER16-3.00... / MTIS ER16-3.18... / MTIS ER20-3.00... / MTIS ER20-3.18...
			MSP TI 04.76 ER16-ER20	■	MTIS ER16-4.76... / MTIS ER20-4.76...
			MSP TI 05.00 ER11	■	MTIS ER11-4.76... / MTIS ER11-5.00...
			MSP TI 05.00 ER16-ER20	■	MTIS ER16-5.00... / MTIS ER20-5.00...
			MSP TI 06.00 ER11	■	MTIS ER11-6.00...
			MSP TI 06.00 ER16-ER20	■	MTIS ER16-6.00... / MTIS ER20-6.00...
			MSP TI 06.35 ER16-ER20	■	MTIS ER16-6.35... / MTIS ER20-6.35...
			MSP TI 08.00 ER16-ER20	■	MTIS ER16-7.94... / MTIS ER16-8.00... / MTIS ER20-7.94... / MTIS ER20-8.00...
	MSP TI 10.00 ER20	■	MTIS ER20-9.52... / MTIS ER20-10.00...		

For spindle-connection

Illustration	Description	Dimensions	Order designation		Tool holder
	Clamping nut	M10 × 0.75	Hi-Q / ERM 8	■	ER8
		M13 × 0.75	Hi-Q / ERM 11	■	ER11
		M19 × 1	Hi-Q / ERM 16	■	ER16
		M24 × 1	Hi-Q / ERM 20	■	ER20
		M30 × 1	Hi-Q / ERM 25	■	ER25

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