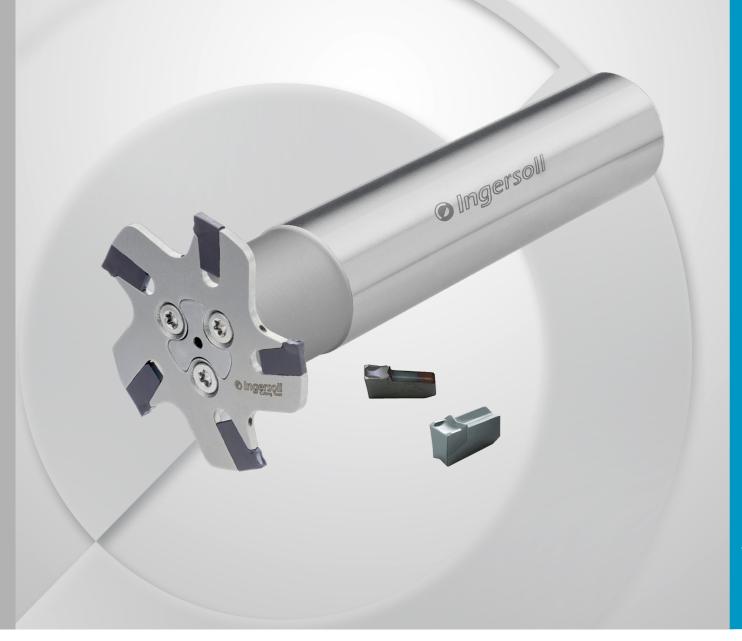






SLOTTING CUTTERS WITH NEW TRILINK CONNECTION

- Ø40, Ø50 and Ø63 are now standard •
- Precisely directed internal coolant supply •
- Designed with flat front and free of interfering contours
 - Modular system •



SLOTTING CUTTER

Product Overview

Our **T-Clamp** slotting cutters that have proven themselves since many years, have been given a comprehensive expansion of the application range with the introduction of the new, patented **TriLink** connection.

With \emptyset 40, \emptyset 50 and \emptyset 63, three smaller diameters are included in standard range, each with the familiar cutting widths of 1.6 to 5.1 mm.

The new product line is particularly characterized by the internal coolant supply and the flexible, modular design.

The **TriLink** adaption with cylindrical shank or **TopOn** connection makes exchanging the slotting cutters - if necessary - very easy.



Technical Features & Advantage

Unique features of the new **TriLink** line are the targeted internal coolant supply and the design with flat front side and no interfering contours.

Thanks to the modular design, standard holders with a cylindrical shaft and those with a **TopOn** connection can be used flexibly.

Overall, the slotting cutters run much more reliably than conventional counterparts, produce better surfaces and can also be operated at higher cutting speeds thanks to better cooling - which significantly increases the cost-effectiveness of the process.

The advantages in terms of quality, tool life and costs are definitely worth the small additional cost for the additively manufactured holder.

- Ø40, Ø50 and Ø63 are now standard
- Precisley directed internal coolant supply
- Designed with flat front and free of interfering contours









Recommended Cutting Data

TCLAMP TIMC



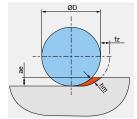
Insert:	TIMC							
Cutting width:	1,6	2	3	4				
Average chip thickness:	hm = 0.050 mm	hm = 0.055 mm	hm = 0.065 mm	hm = 0.075 mm				

Recommended Cutting Data:

			Food now tooth			
ISO	Material	1st choice d resp. wear res	ry machining sistant carbide	1st choice w resp. toug	Feed per tooth fz [mm]	
	unalloyed steel	IN2005	90 - 230	IN2005	80 - 210	-
Р	alloyed steel 800 N/mm ²	IN2005	100 - 180	IN2005	90 - 160	-
	alloyed steel 1100 N/mm ²	IN2005	70 - 110	IN2005	60 - 90	-
M	stainless steel	IN2005	70 - 150	IN2005	60 - 130	-
V	gray cast iron	IN2005	110 - 140	IN2005	90 - 120	-
K	nodular cast iron	IN2005	55 - 110	IN2005	45 - 90	-
N	aluminum	IN2005	250	IN2005	250	-
_	high temperature alloys	IN2005	20 - 40	IN2005	20 - 40	-
2	titanium alloys	IN2005	30 - 60	IN2005	30 - 60	-
Н	hard machining < 54 HRC	-	-	-	-	-
Н	hard machining < 63 HRC	-	-	-	-	-

Tips:

- Please ensure to use these tools only up to a max. cutting speed Vc = 250 m/min..
- The worse the material machinability, the smaller the tool engagement should be chosen.
- The smaller the cutting tool diameter, the higher the cutting speed can be.
- If tool engagement is less than 1/3 of cutting tool diameter, the feed per tooth should be calculated with the following formula:

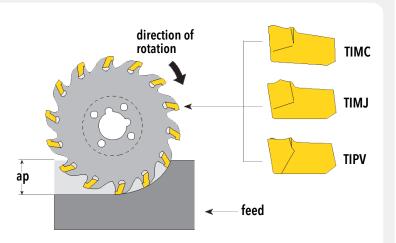


$$fz = hm x \sqrt{\frac{D}{ae}}$$

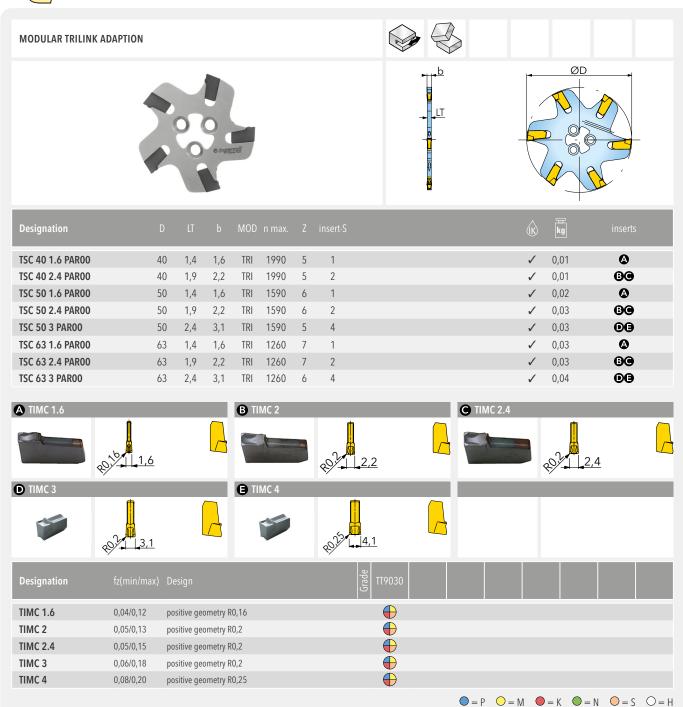
Further Optional Insert Geometries

T-Clamp offers a wide portfolio of existing insert geometries.

Even full radii can be offered as an option.



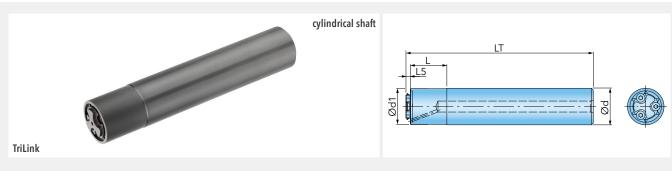
TCLAMP SLOTTING CUTTER TSC...PA



SPARE PARTS		
Cutting width		
1,6 - 2,2	ESG 0.5	
3,1	ESG1	
	① = eje	ector



TRILINK ADAPTION WITH CYLINDRICAL SHAFT

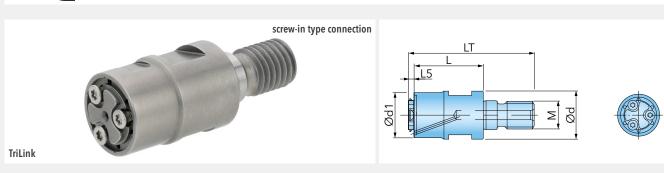


Designation	MOD1	d	d1	LT	L	L5	(K)	kg
S20PA14SA100	TRI	20	19,5	101,4	20	1,4	✓	0,22
S20PA19SA100	TRI	20	19,5	101,9	20	1,9	1	0,22
S20PA24SA100	TRI	20	19,5	102,4	20	2,4	1	0,22
The suitable adaption can	be found by "L	T" dim	ension o	f the cutt	er to be	mounted. This must correspond to dimension "L5" of the adaption.		



 \bigcirc = Clamp screw - TriLink

TRIUNK TRILINK ADAPTION WITH TOPON CONNECTION



Designation	MOD1	d	d1	LT	L	L5	М	(K)	kg
MOD12PA14SA030	TRI	21	19,5	53,4	30	1,4	M12	/	0,09
MOD12PA19SA030	TRI	21	19,5	53,9	30	1,9	M12	/	0,09
MOD12PA24SA030	TRI	21	19,5	54,4	30	2,4	M12	✓	0,09
The suitable adaption can be	e found by "I	T" dim	ension of	the cutt	er to be	mounte	d. This must correspond to dimension "L5" of the adaption.		

SPARE PARTS		
	ISO 14581 M2,5X8-V2A SENK	

1 = Clamp screw - TriLink







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