



Spindle nose tooling

Extended product range

Spindle nose tooling from CERATIZIT

After launching the initial programme covering the most common standard adapters, Cutting Solutions by CERATIZIT now offers you an even broader range of spindle nose tools. Our range has been extended with over 500 additional items for

collet chucks, hydraulic chucks and the versatile and stable Polygon adapter interface. Please see below an overview of the entire programme.

Rotating spindle nose tools



Rotating spindle nose tools	DIN 69871	MAS-BT	HSK-A	UTS	PSC
Weldon adapters	●	●	●	●	●
Whistle Notch adapters	●	●	●	●	●
Shrink fit adapters	●	●	●	–	●
Hydraulic expansion chucks	●	●	●	–	●
Collet chucks type ER	●	●	●	●	●
Collet chucks type OZ	●	●	–	–	–
Adapters for threaded shank milling cutters	–	–	●	–	●
Combination shell mill adapters	●	●	–	–	●
Shell mill adapters, centre bolt	●	●	●	●	–
Shell mill adapters, 4 bolts	●	●	–	–	–
Morse taper adapters with thread	●	●	●	–	●
Test bars	●	●	●	–	●
Blanks	●	●	●	–	●

Stationary spindle nose tool



Stationary spindle nose tools	HSK-T	UTS	PSC
Shank holders	●	●	●
Boring bar holders	●	●	●
Extensions	●	●	●
Reducers	●	–	●
UTS adapters	●	–	●
Blanks	●	●	●
Test bars	●	●	●

● New!

Shrink fit adapters

An initial highlight of this extended range are the shrink fit adapters with a 4.5° profile. These are suitable for clamping solid carbide and HSS shanks. In addition to their highly precise concentricity, they are characterised by high rigidity, clamping forces (up to 640 Nm) as well as economic efficiency.

Programme

- ▲ Diameter range from 3-32 mm
- ▲ Available from short to extra-long versions
- ▲ Available connections for example SK, HSK-A and PSC
- ▲ Balancing class G2.5/n_{max} 25000 min⁻¹
- ▲ Concentricity starting from 0.003 mm



Hydraulic expansion chucks

Hydraulic expansion chucks are suitable for mounting tool shanks to DIN1835A+B / DIN6535HA+HB. The technical features of these expansion chucks are the vibration-damping effect during machining, a high radial rigidity as well as easy handling. No additional devices are required and the clamping area can be flexibly adapted by using reduction sleeves.

Programme

- ▲ Diameter range 6-32 mm
- ▲ Connections available for example SK, HSK-A and PSC
- ▲ Balancing class G2.5/n_{max} 25000 min⁻¹
- ▲ Concentricity better than 0.003 mm

Polygon adapters

Another highlight of the programme extension in the spindle nose tooling sector are the Polygon adapters (PSC). The advantages of the Polygon adapter in connection with the location face are:



- ▲ High rigidity and transverse rupture strength
- ▲ Maximum precision
- ▲ Accurate repeatability
- ▲ High torque moments



Spindle nose tooling

Overview

Rotating spindle nose tools		DIN69871	MAS-BT	HSK-A	PSC	UTS	
	Weldon adapters	#R01#	#R02#	#R03#	#R04#	#R05#	
	Whistle Notch adapters	#R07#	#R08#	#R09#	#R10#	#R11#	
	Shrink fit adapters	#R13#	#R14#	#R15#	#R16#		
	Hydraulic expansion chucks	#R19#	#R20#	#R21#	#R22#		
	Collet chucks type ER	#R25#	#R26#	#R27#	#R28#	#R29#	
	Collet chucks type ER-D	#R31#	#R32#				
	Collet chucks type OZ	#R37#	#R38#				
	Combination shell mill adapters	#R43#	#R44#		#R46#		
	Shell mill adapters, centre bolt	#R49#	#R50#	#R51#		#R53#	
	Adapters for threaded shank milling cutters			#R57#	#R58#		
	Shell mill adapters, 4 bolts	#R61#	#R62#				
	Morse taper adapters with tang	#R67#	#R68#	#R69#			
	Morse taper adapters with thread	#R73#	#R74#		#R76#		
	PSC adapters			#R81#			
	Test bars	#R85#	#R86#	#R87#	#R88#		

Rotating spindle nose tools		DIN69871	MAS-BT	HSK-A	PSC	UTS	
	Blanks	#R91#	#R92#	#R93#	#R94#		

Stationary spindle nose tools		DIN69871	MAS-BT	HSK-A	PSC	UTS	
	Tool holders 0°			#R03#	#R04#	#R05#	
	Tool holders 45°			#R09#	#R10#		
	Tool holders 90° / neutral			#R15#	#R16#		
	Multiple shank holders			#R21#	#R22#	#R23#	
	Boring bar holders			#R27#	#R28#	#R29#	
	Extensions			#R33#	#R34#	#R35#	
	Reducers			#R39#	#R40#		
	UTS adapters			#R45#			
	Assembly sets					#R53#	
	Test bars			#R57#	#R58#	#R59#	
	Blanks			#R63#	#R64#	#R65#	

Spindle nose tooling

Overview

Accessories		DIN69871	MAS-BT	HSK-A	PSC	UTS	
	Collets ER						#R06#
	Collets DIN6388-B						#R12#
	Lock nuts ER						#R18#
	Lock nuts ER-D						#R24#
	Lock nuts OZ						#R30#
	Sealing rings						#R36#
	Pull studs DIN 69872						#R42#
	Pull studs MAS-BT						#R48#
	Pull studs DIN 7388						#R54#
	Reducers MK						#R60#
	Reduction sleeves for hydraulic expansion chucks						#R66#
	Drive rings						#R72#