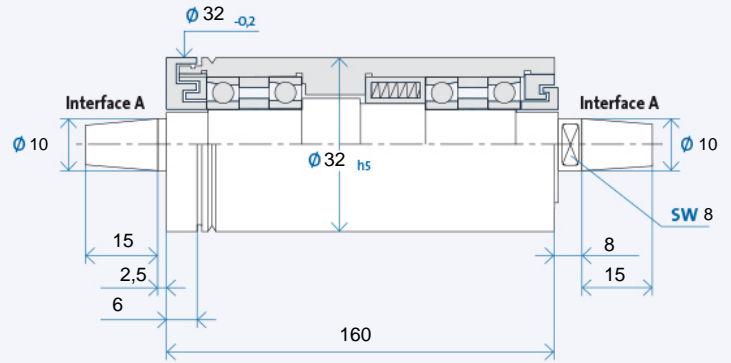


# TSA 32 x 160



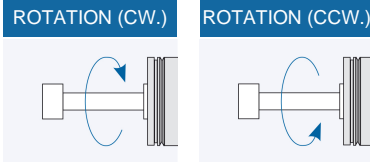
## Technical data



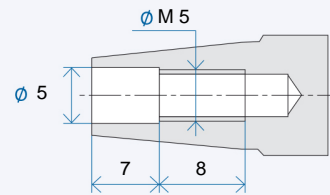
Maximum speed $n_{max}$ [min-1]* for bearing types:	
Steel (steel)	60000
Hybrid (optional)	x

\* without tool

Ordering information: TSA 32 x 160 R is for clockwise, L for counter-clockwise

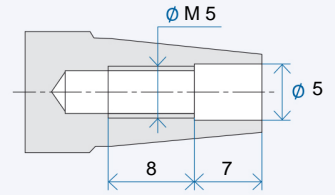


## Tool interface



Tool interface: taper 1 : 7,5 nominal value, included angle acc. to GMN precision standards

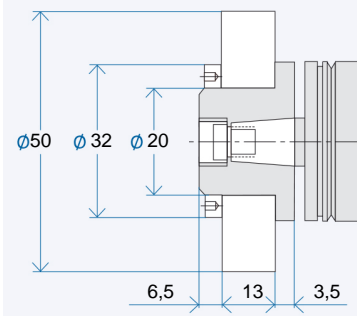
## Pulley interface



Pulley interface: taper 1 : 7,5 nominal value, included angle acc. to GMN precision standards

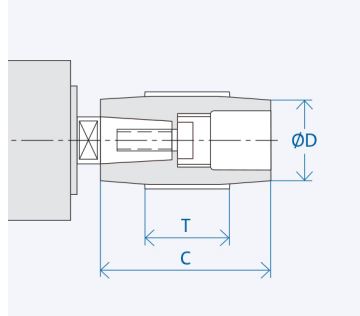
## Accessories

### TSA Grinding wheel flanges



Ordering information flange: AX<sub>1</sub>/X<sub>2</sub>/X<sub>3</sub>  
 X<sub>1</sub>: Interface: 07/08/...  
 X<sub>2</sub>: Flange style: MO/MS  
 X<sub>3</sub>: Wheel:  
 K = Corundum grinding wheel  
 D = Diamond or CBN grinding wheel  
 Puller for flange: AX<sub>1</sub>/X<sub>2</sub>  
 Balancing quill for flange: AX<sub>1</sub>

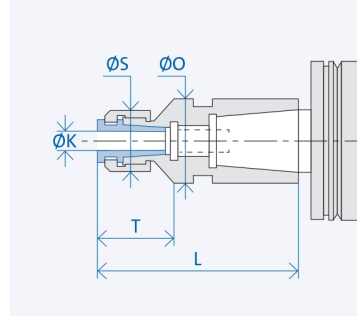
### Pulleys



Interface	Dimensions [mm]		
	D	C	T
A 10	18	30	20
	50	30	20
	17	40	20
	20	40	20
	25	40	20
	63	40	20

Ordering information pulley: AX<sub>1</sub>-X<sub>2</sub>  
 X<sub>1</sub>: Interface: 07/08/...  
 X<sub>2</sub>: Figure from column D  
 Puller for pulley: AX<sub>1</sub>/...

### TSA Collet chuck



Interface	Dimensions [mm]				
	K	T	L	S	O
A 10	2	13,5	37	14	13,5
	3	13,5	37	14	13,5
	4	13,5	37	14	13,5

Ordering information collet chuck: AX<sub>1</sub>/X<sub>2</sub>-(K)  
 X<sub>1</sub>: Interface: 07/08/...  
 X<sub>2</sub>: Housing diameter: 20/26/...  
 (K) = Inner diameter collet chuck

This data sheet reflects the state of information at the time of printing. Subject to technical changes. Information on possible options can be obtained from our catalogue which can be downloaded at www.gmn.de