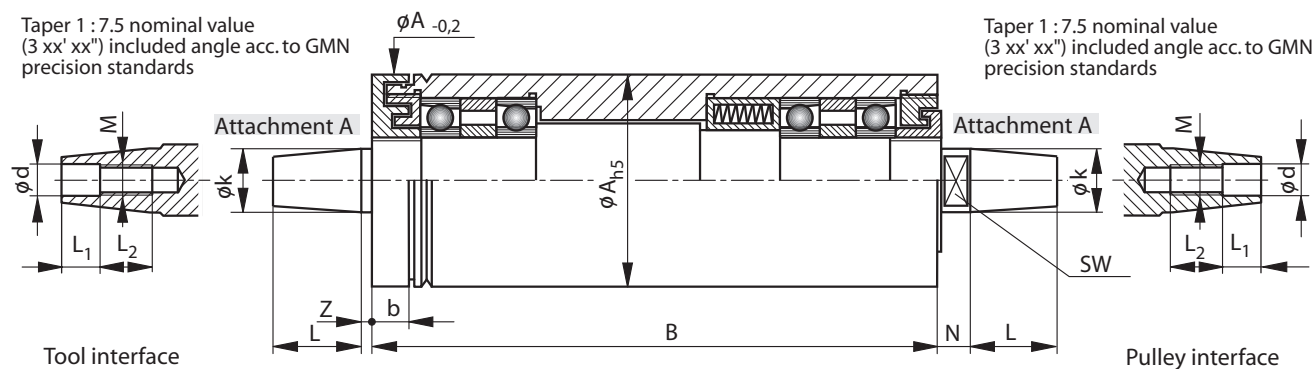
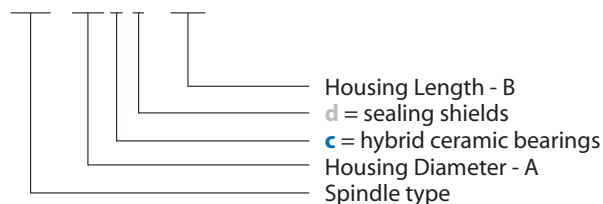


## TSA - Style



Spindle Style <sup>1)</sup>			Attachment						Z	b	N	SW	Max. Speed <sup>2)</sup> for bearing types [rpm]	
			k	L	d	M	L <sub>1</sub>	L <sub>2</sub>					Steel	Hybrid
TSA 20	x 125												80000	+
<b>TSA 20</b>	<b>x 160</b>												60000	+
TSA 20	x 200		7.5	10	4	M 4	5	7	2	5	7	6	60000	+
TSA 20	x 250												60000	+
<b>TSA 26</b>	<b>x 125</b>												40000	+
<b>TSA 26</b>	<b>x 160</b>												30000	+
TSA 26	x 200		8	11.25	4	M 4	5	7	2	6.5	7	7	60000	+
TSA 26	x 250												40000	+
TSA 26	x 315												30000	+
<b>TSA 32</b>	<b>x 125</b>												60000	+
<b>TSA 32</b>	<b>x 160</b>												40000	+
TSA 32	x 200		10	15	5	M 5	7	8	2.5	6	8	8	30000	+
TSA 32	x 250												40000	+
TSA 32	x 315												30000	+
TSA 32	x 355													
<b>TSA 40</b>	<b>x 160</b>												45000	55000
<b>TSA 40</b>	<b>x 200</b>		10	15	5	M 5	7	8	2.5	9.5	7	8	35000	42000
TSA 40	x 250												30000	35000
<b>TSA 50</b>	<b>x 160</b>												20000	25000
<b>TSA 50</b>	<b>x 200</b>		13.5	20	6	M 6	8	12	3	10.5	8	11	15000	20000
TSA 50	x 250													
<b>TSA 60</b>	<b>x 160</b>													
<b>TSA 60</b>	<b>x 200</b>		18	25	8	M 8	11	14	3	10.5	9	15	20000	25000
<b>TSA 60</b>	<b>x 250</b>													
TSA 60	x 315													
<b>TSA 80</b>	<b>x 200</b>													
TSA 80	x 250		27.67	35	12	M 12	13	21	4	14.5	12	24	20000	25000
TSA 80	x 315													
TSA 100	x 250													
TSA 100	x 315		38	52.5	16	M 16	25	25	4	16	15	32	15000	20000
TSA 100	x 355													



1 mm = 0.03937 in.

Please state direction of rotation.

- <sup>1)</sup> **Preference types** are in bold.
- <sup>2)</sup> Without tool.

Depending on tool design and weight the maximum operating speed may be reduced.

+ ... Ceramic balls on request.