Crossed Roller Bearings

Special crossed roller bearings CRBX

5. Special crossed roller bearings CRBX

The standardised crossed roller bearings presented in this catalogue can be used in a wide range of applications. For custom solutions tailored specifically to your requirements, our application engineers will be pleased to help you work out your optimal solution. The following examples include the CRBX crossed roller bearing that have also been installed in the HIWIN rotary tables TMS3 and TMS7.

Properties:

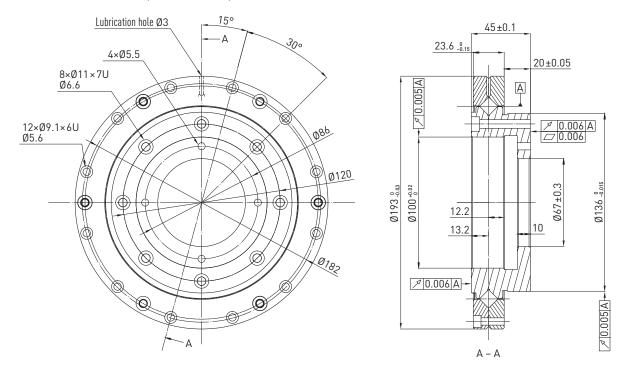
- Preloaded
- High rigidity
- Axial runout 0.01 mm

Table 5.1 Load ratings of the CRBX crossed roller bearings CRBX										
Article number	Dimensions [mm]		Load ratings [kN]					Max. speed [rpm]		Used in
	D ¹⁾	d 1)	Dyn. load rating C _{dyn}		Stat. load rating C ₀		torque [Nm] ²⁾	Grease	Oil	
			Radial	Axial	Radial	Axial				
8-18-0029	193	100	64.2	95.82	103.5	235.23	2.60	400	540	TMS3
8-18-0030	291	160	85.7	127.91	177.7	403.86	1.88	250	335	TMS7

¹⁾ d = Inner diameter; D = Outer diameter

5.1 Dimensions

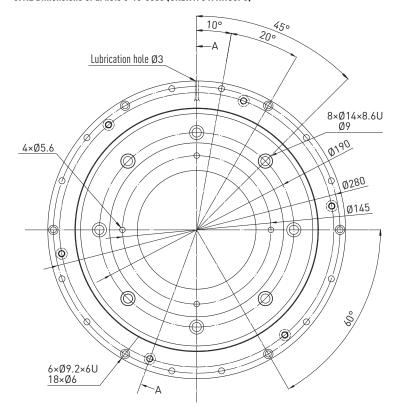
5.1.1 Dimensions of article 8-18-0029 (CRBX10045NNC8P5)

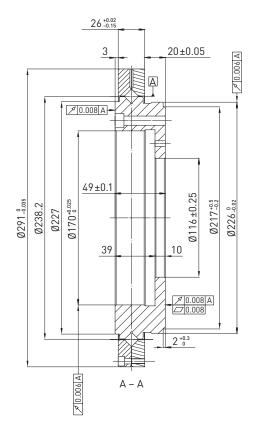


²⁾ Measured at 30 rpm with grease filling (GO2)



5.1.2 Dimensions of article 8-18-0030 (CRBX17049NNC8P5)





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