ROTEX®
Torsionally flexible coupling

Properties of our standard spiders

Spider type (hardness Shore)	92 Shore-A (T-PUR®)	DZ 92 Shore-A (T-PUR®)	92 Shore-A
			
	Innovation T-PUR®		
NEW Size	14 to 180	100 to 180	14 to 90
Material	T-PUR®		Polyurethane (PUR)
Perm. temperature range Continuous temperature Max. temperature short time	 -50 °C to +120 °C -50 °C to +150 °C		 -40 °C to +90 °C -50 °C to +120 °C
Properties	– significantly longer service life – very good temperature resistance – improved damping of vibrations – good damping, average elasticity – suitable for all hub materials		– good damping, average elasticity – suitable for all hub materials

Spider type (hardness Shore)	98 Shore-A (T-PUR®) [1]	DZ 95 Shore-A (T-PUR®)	98 Shore-A [1]
			
	Innovation T-PUR®		
NEW Size	14 to 180	100 to 180	14 to 90
Material	T-PUR®		Polyurethane (PUR)
Perm. temperature range Continuous temperature Max. temperature short time	 -50 °C to +120 °C -50 °C to +150 °C		 -30 °C to +90 °C -40 °C to +120 °C
Properties	– significantly longer service life – very good temperature resistance – improved damping of vibrations – transmission of high torques with average damping – recommended hub material: steel, GJL and GJS		– transmission of high torques with average damping – recommended hub material: steel, GJL and GJS

[1] up to size 65: 95 Sh-A

Spider type (hardness Shore)	64 Shore-D (T-PUR®)	DZ 64 Shore-D (T-PUR®)	64 Shore-D
			
	Innovation T-PUR®		
NEW Size	14 to 180	100 to 180	14 to 90
Material	T-PUR®		Polyurethane (PUR)
Perm. temperature range Continuous temperature Max. temperature short time	 -50 °C to +120 °C -50 °C to +150 °C		 -30 °C to +110 °C -30 °C to +130 °C
Properties	– significantly longer service life – very good temperature resistance – improved damping of vibrations – transmission of high torques with average damping – recommended hub material: steel, GJL and GJS		– transmission of very high torques with low damping – suitable for displacing critical speeds – resistant to hydrolysis – recommended hub material: steel and GJS

ROTEX® 14 ROTEX® 19 ROTEX® 24 - 65 ROTEX® 75 - 160 ROTEX® 180 ROTEX® DZ 100 - 160 ROTEX® DZ 180