

Mass moment of inertia for connecting elements Weight of joint shaft GX

Rotex GS couplings

Size []	Version			
	KN	SRN-S	SRN-L	ZKR
	[kgm ²]			
9	0.49 x 10 ⁻⁶	-	-	0.085 x 10 ⁻⁶
12	1.3 x 10 ⁻⁶	-	-	0.139 x 10 ⁻⁶
14	2.8 x 10 ⁻⁶	-	0.04 x 10 ⁻⁴	0.509 x 10 ⁻⁶
19	20.4 x 10 ⁻⁶	0.44 x 10 ⁻⁴	0.19 x 10 ⁻⁴	1.35 x 10 ⁻⁶
24	50.8 x 10 ⁻⁶	1.91 x 10 ⁻⁴	0.78 x 10 ⁻⁴	6.7 x 10 ⁻⁶
28	200.3 x 10 ⁻⁶	4.18 x 10 ⁻⁴	1.7 x 10 ⁻⁴	14.85 x 10 ⁻⁶
38	400.6 x 10 ⁻⁶	12.9 x 10 ⁻⁴	5.17 x 10 ⁻⁴	39.4 x 10 ⁻⁶

KN = Clamping hub (aluminium)

SRN-S = Steel clamping ring

SRN-L = Light clamping ring (aluminium)

ZKR = Ring gear

The specifications apply to each hub (with maximum bore diameter)

Joint shafts GX

Size []	Complete	Pipe St [kgm ²]	Pipe VA
GX1	3.07 x 10 ⁻⁴	0.27 x 10 ⁻⁴	0.27 x 10 ⁻⁴
GX2	12.95 x 10 ⁻⁴	0.82 x 10 ⁻⁴	0.82 x 10 ⁻⁴
GX4	25.49 x 10 ⁻⁴	1.19 x 10 ⁻⁴	0.74 x 10 ⁻⁴
GX8	72.98 x 10 ⁻⁴	2.94 x 10 ⁻⁴	2.01 x 10 ⁻⁴
GX16	23.63 x 10 ⁻³	2.97 x 10 ⁻⁴	3.91 x 10 ⁻⁴

Complete = Joint shaft 500 mm long (steel)

Pipe St/VA = per 100 mm pipe

Joint shaft GX pipe dimensions

Size []	St [mm]	VA [mm]
GX1	ø30x2.0	ø30x2.0
GX2	ø40x2.5	ø40x2.5
GX4	ø45x2.5	ø44.5x1.5
GX8	ø60x2.5	ø60.3x1.6
GX16	ø70x1.5	ø70x2.0