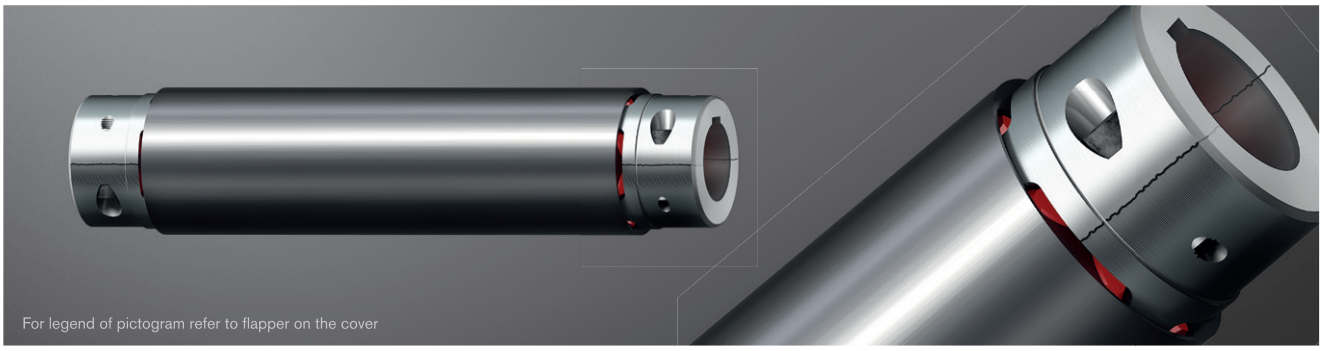
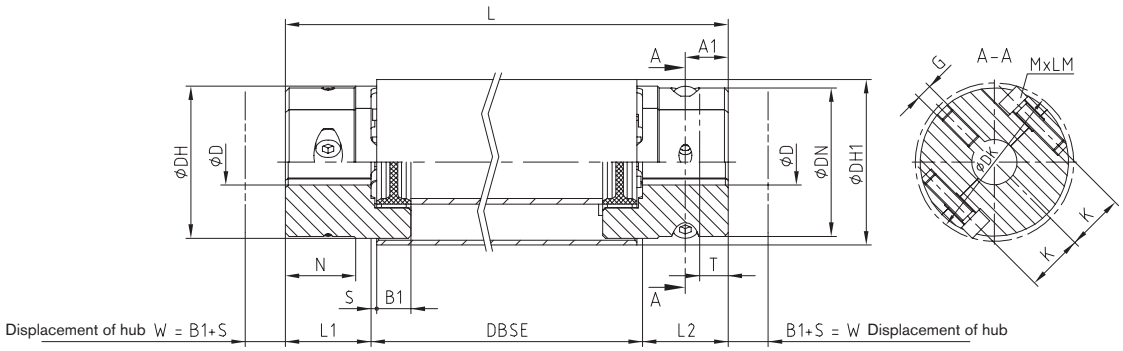
ROTEX® ZRS
Flexible / backlash-free intermediate shaft coupling

Intermediate shaft programme

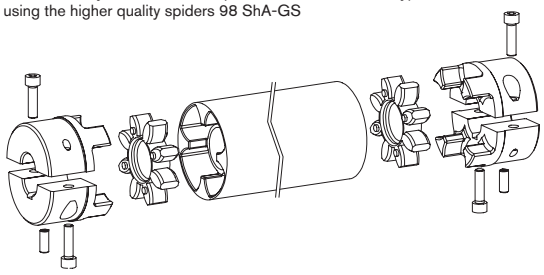




ROTEX® type ZRS																		
Size	Dimensions [5] [mm]															Clamping screw DIN EN ISO 4762		Intermediate pipe Torsion spring stiffness C [2] [Nm/rad]
	Finish bore D		DH	DN	L1, L2	N	B1	S	G	T	A1	K	DK	DH1	Min. DBSE	L [1]	MxLM	Tightening torque T_A [Nm]	
	min.	Max.																
19 [3]	0	20	40	-	25	-	12	2.0	-	-	8.0	14.5	46.0	45	33	[4]	M6x16	14	3800
24	0	24	55	-	30	-	14	2.0	M5	10	15.0	20.0	57.5	60	37		M6x20	14	11100
28	0	38	65	-	35	-	15	2.5	M8	15	17.5	25.0	73.0	72	40	L = DBSE + L1 + L2	M8x25	34	23600
38	24	45	80	78	45	37.0	18	3.0	M8	15	22.5	30.0	83.5	87	49		M8x30	34	43800
42	24	55	95	94	50	40.0	20	3.0	M8	20	25.0	30.0	97.0	103	53		M10x35	67	82600

[1] With inquiries and orders please specify the shaft distance dimension DBSE along with the maximum speed to review the critical bending speed.
Maximum DBSE = 4000 mm (different lengths on request).
[2] Torsion spring stiffness with an intermediate pipe length of 1 m
[3] Available as a clamping hub type DH (7.5/7.6)
[4] L = DBSE + L1 + L2 - 15
[5] Finish bore according to ISO fit H7, feather keyway according to DIN 6885, sheet 1 [JS9]

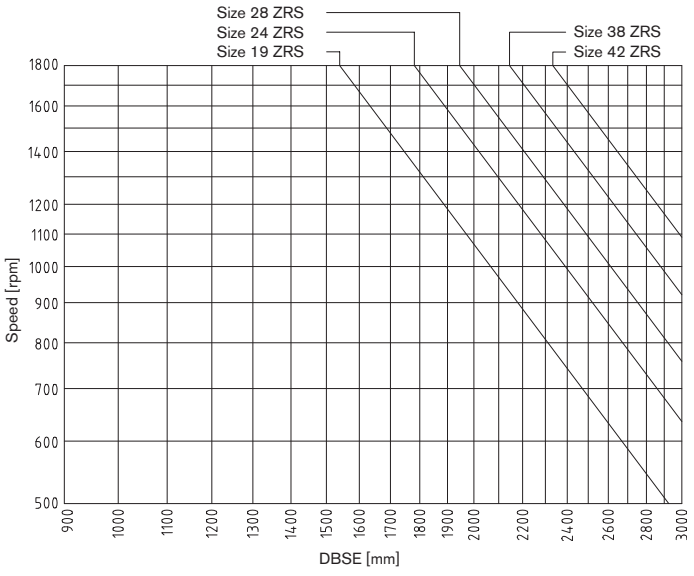
Mathematically transmittable torque with double-cardanic types acc. to 92 ShA-GS using the higher quality spiders 98 ShA-GS



7.1 = SPLIT hub with feather keyway

Displacements			
Size	Axial displacement [mm]	Radial displacement [mm] per 1m of pipe length	Angular displacement [degree]
19	1.2	15.7	0.9
24	1.4	15.7	0.9
28	1.5	15.7	0.9
38	1.8	17.5	1.0
42	2.0	17.5	1.0

Diagramme for coupling selection:



Ordering example:

ROTEX® 38	ZRS	1200	98 ShA-GS	7.1	Ø30	7.1	Ø30
Coupling size	Type	Shaft distance dimension DBSE	Spider hardness	Hub type	Finish bore	Hub type	Finish bore