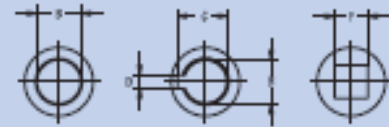
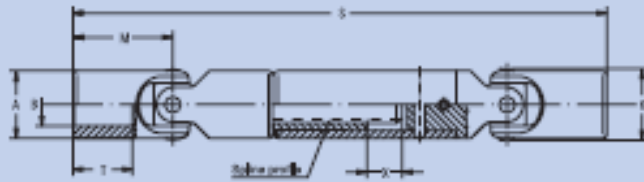


Cross Cardan Shafts

Series 0.700.1

Needle bearing version, with length compensation



Standard bore with key-way
DIN 6885 sheet 1 Inner square

Please indicate compressed length „S“, extension and required type of flange when ordering!

		Cross Cardan Shafts, Standard bore						Cross Cardan Shafts,		
Order number		0.716.100	0.720.100	0.725.100	0.732.100	0.740.100	0.750.100	0.763.100	0.716.103	0.720.103
Md_{max}	Nm	8	20	30	60	160	290	460	8	20
Angle of deflection β	°	45	45	45	45	45	45	45	45	45
Weight by S_1	kg	0,20	0,33	0,59	1,09	2,13	4,0	8,24	0,20	0,33
Weight by S_2	kg	0,24	0,39	0,68	1,21	2,28	4,44	8,74	0,24	0,39
Weight by S_3	kg	0,25	0,42	0,72	1,35	2,57	4,98	9,72	0,25	0,42
A	mm	16	20	25	32	40	50	63	16	20
$*B^{17}$	mm	10	12	16	20	25	32	40	10	12
$*C^{18}$	mm	–	–	–	–	–	–	–	11,4	13,8
$*D^{19}$	mm	–	–	–	–	–	–	–	3	4
$*F^{18}$	mm	–	–	–	–	–	–	–	–	–
K	mm	17,5	21,5	26,5	33,5	42	52,5	65	17,5	21,5
M	mm	26	31	37	43	54	66	83	26	31
$S_1 + X_1$	mm	165 + 15	174 + 20	198 + 25	234 + 30	301 + 40	372 + 50	475 + 70	165 + 15	174 + 20
$S_2 + X_2$	mm	185 + 30	194 + 40	229 + 55	264 + 60	321 + 60	422 + 100	505 + 100	185 + 30	194 + 40
$S_3 + X_3$	mm	210 + 60	224 + 70	248 + 75	294 + 90	371 + 110	472 + 150	585 + 180	210 + 60	224 + 70
T	mm	15	18	22	25	32	40	50	15	18
Spline profile	mm	6x7,5x10,2	6x11x14	6x11x14	6x16x20	6x21x25	6x28x32	6x36x42	6x7,5x10,2	6x11x14

These drive shafts are also available with rapid-change coupling

* = Customized bores, key-ways and inner square dimensions possible

Md_{max} = Max. permissible torque

β = Max. angle of deflection per joint

S_1

S_2 = preferred lengths, compressed

S_3

X_1 = Maximum extension for S_1

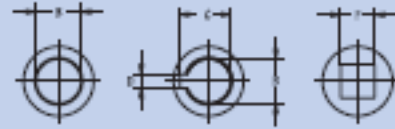
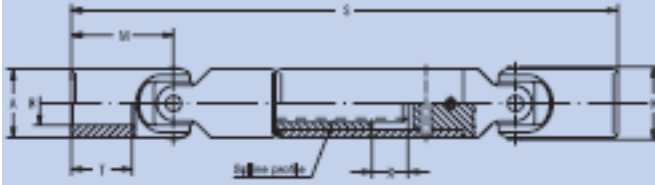
X_2 = Maximum extension for S_2

X_3 = Maximum extension for S_3

For application criteria and calculations refer to technical annex

Size 0.716–0.763

Md_{max} 8–450 Nm



Standard bore with key-way
DIN 6885 sheet 1 Inner square

Bore with key-way DIN 6885, Sheet 1					Cross Cardan Shafts, Inner square							
0.725.103	0.732.103	0.740.103	0.750.103	0.763.103	0.716.104	0.729.104	0.725.104	0.732.104	0.740.104	0.750.104	0.763.104	
30	60	160	290	450	8	20	30	60	160	290	450	
45	45	45	45	45	45	45	45	45	45	45	45	
0,58	1,09	2,13	4,0	8,24	0,20	0,33	0,58	1,09	2,13	4,0	8,24	
0,68	1,21	2,29	4,44	8,74	0,24	0,39	0,68	1,21	2,29	4,44	8,74	
0,72	1,35	2,57	4,98	9,72	0,26	0,42	0,72	1,35	2,57	4,98	9,72	
25	32	40	50	63	16	20	25	32	40	50	63	
16	20	25	32	40	–	–	–	–	–	–	–	
18,3	22,8	28,3	35,3	43,3	–	–	–	–	–	–	–	
5	6	8	10	12	–	–	–	–	–	–	–	
–	–	–	–	–	8	10	12	16	20	25	32	
26,5	33,5	42	52,5	65	17,5	21,5	26,5	33,5	42	52,5	65	
37	43	54	66	83	26	31	37	43	54	66	83	
198 + 25	234 + 30	301 + 40	372 + 50	475 + 70	165 + 15	174 + 20	198 + 25	234 + 30	301 + 40	372 + 50	475 + 70	
228 + 55	264 + 60	321 + 60	422 + 100	505 + 100	185 + 30	194 + 40	228 + 55	264 + 60	321 + 60	422 + 100	505 + 100	
248 + 75	294 + 90	371 + 110	472 + 150	585 + 180	210 + 60	224 + 70	248 + 75	294 + 90	371 + 110	472 + 150	585 + 180	
22	25	32	40	50	15	18	22	25	32	40	50	
6x11x14	6x16x20	6x21x25	6x28x32	6x36x42	6x7,5x10,2	6x11x14	6x11x14	6x16x20	6x21x25	6x28x32	6x36x42	

0.700