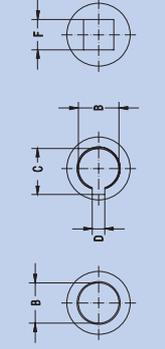
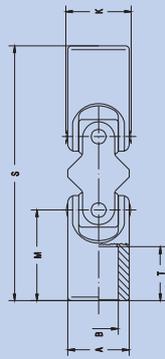


Standard bore

with key-way
DIN 6885 sheet 1

Inner square



Standard bore

with key-way
DIN 6885 sheet 1

Inner square

Cross Joints, double, Standard bore

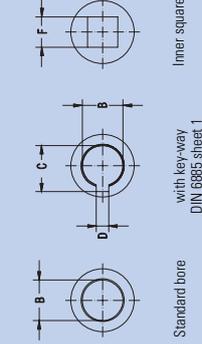
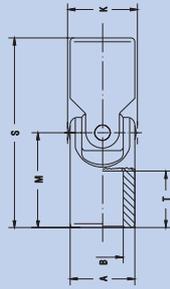
	0.713.300	0.720.300	0.725.300	0.732.300	0.740.300	0.750.300	0.763.300	0.713.303	0.716.303
Order number	6	8	20	30	60	160	290	450	450
Md _{max} Nm	45	45	45	45	45	45	45	45	45
Angle of deflection β °	0,04	0,08	0,14	0,24	0,50	0,95	1,71	3,51	0,08
Weight kg	13	16	20	25	32	40	50	63	16
A mm	8	10	12	16	20	25	32	40	10
*B ^{1/2} mm	-	-	-	-	-	-	-	-	9
*C ^{0,2} mm	-	-	-	-	-	-	-	-	2
*D ^{2/3} mm	-	-	-	-	-	-	-	-	3
*F ^{1/3} mm	14	17,5	21,5	26,5	33,5	42	52,5	65	14
K mm	21	26	31	37	43	54	66	83	21
M mm	60	74	88	104	124	156	188	238	60
S mm	12	15	18	22	25	32	40	50	12
T mm	-	-	-	-	-	-	-	-	15

* = Customized bores, key-ways and inner square dimensions possible
 Md_{max} = Max. permissible torque
 β = Max. angle of deflection per joint
 For application criteria and calculations refer to technical annex

Cross Joints, double, Bore with key-way DIN 6885, Sheet 1

	0.720.303	0.725.303	0.732.303	0.740.303	0.750.303	0.763.303	0.713.304	0.716.304	0.720.304	0.725.304	0.732.304	0.740.304	0.750.304	0.763.304
Order number	20	30	60	160	290	450	6	8	20	30	60	160	290	450
Md _{max} Nm	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Angle of deflection β °	0,14	0,24	0,50	0,95	1,71	3,51	0,04	0,08	0,14	0,24	0,50	0,95	1,71	3,51
A mm	20	25	32	40	50	63	13	16	20	25	32	40	50	63
*B ^{1/2} mm	12	16	20	25	32	40	-	-	-	-	-	-	-	-
*C ^{0,2} mm	13,8	18,3	22,8	28,3	35,3	43,3	-	-	-	-	-	-	-	-
*D ^{2/3} mm	4	5	6	8	10	12	-	-	-	-	-	-	-	-
*F ^{1/3} mm	-	-	-	-	-	-	6	8	10	12	16	20	25	32
K mm	21,5	26,5	33,5	42	52,5	65	14	17,5	21,5	26,5	33,5	42	52,5	65
M mm	31	37	43	54	66	83	21	26	31	37	43	54	66	83
S mm	88	104	124	156	188	238	60	74	88	104	124	156	188	238
T mm	18	22	25	32	40	50	12	15	18	22	25	32	40	50

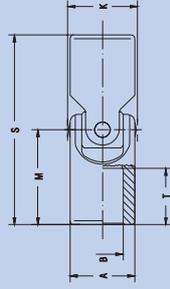
* = Customized bores, key-ways and inner square dimensions possible
 Md_{max} = Max. permissible torque
 β = Max. angle of deflection per joint
 For application criteria and calculations refer to technical annex



Standard bore

with key-way
DIN 6885 sheet 1

Inner square



Standard bore

with key-way
DIN 6885 sheet 1

Inner square

Cross Joints, single, Standard bore

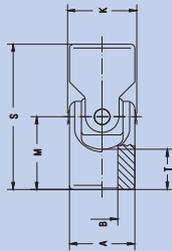
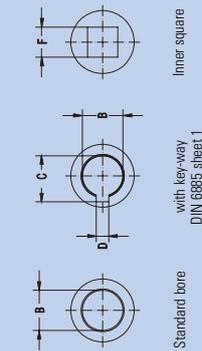
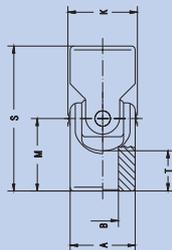
Order number	0.713.400	0.720.400	0.725.400	0.732.400	0.740.400	0.750.400	0.763.400	0.713.403	0.716.403
Md _{max} Nm	6	8	30	60	160	290	450	6	8
Angle of deflection β °	45	45	45	45	45	45	45	45	45
Weight kg	0,03	0,05	0,10	0,31	0,61	1,15	2,38	0,03	0,05
A mm	13	16	20	25	32	40	50	13	16
*B ^{1/2} mm	8	10	12	16	20	25	32	8	10
*C ^{0,2} mm	-	-	-	-	-	-	-	9	11,4
*D ^{2/3} mm	-	-	-	-	-	-	-	2	3
*F ^{1/3} mm	-	-	-	-	-	-	-	-	-
K mm	14	17,5	21,5	26,5	33,5	42	52,5	14	17,5
M mm	21	26	31	37	43	54	66	21	26
S mm	42	52	62	74	86	108	132	42	52
T mm	12	15	18	22	25	32	40	12	15

* = Customized bores, key-ways and inner square dimensions possible
 Md_{max} = Max. permissible torque
 β = Max. angle of deflection per joint
 For application criteria and calculations refer to technical annex

Cross Joints, single, Bore with key-way DIN 6885, Sheet 1

Order number	0.720.403	0.725.403	0.732.403	0.740.403	0.750.403	0.763.403	0.713.404	0.716.404	0.720.404	0.725.404	0.732.404	0.740.404	0.750.404	0.763.404
Md _{max} Nm	20	30	60	160	290	450	6	8	20	30	60	160	290	450
Angle of deflection β °	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Weight kg	0,10	0,16	0,31	0,61	1,15	2,38	0,03	0,05	0,10	0,16	0,31	0,61	1,15	2,38
A mm	20	25	32	40	50	63	13	16	20	25	32	40	50	63
*B ^{1/2} mm	12	16	20	25	32	40	-	-	-	-	-	-	-	-
*C ^{0,2} mm	13,8	18,3	22,8	28,3	35,3	43,3	-	-	-	-	-	-	-	-
*D ^{2/3} mm	4	5	6	8	10	12	-	-	-	-	-	-	-	-
*F ^{1/3} mm	-	-	-	-	-	-	6	8	10	12	16	20	25	32
K mm	21,5	26,5	33,5	42	52,5	65	14	17,5	21,5	26,5	33,5	42	52,5	65
M mm	31	37	43	54	66	83	21	26	31	37	43	54	66	83
S mm	62	74	86	108	132	166	42	52	62	74	86	108	132	166
T mm	18	22	25	32	40	50	12	15	18	22	25	32	40	50

* = Customized bores, key-ways and inner square dimensions possible
 Md_{max} = Max. permissible torque
 β = Max. angle of deflection per joint
 For application criteria and calculations refer to technical annex



Standard bore

with key-way
DIN 6885 sheet 1

Inner square

Standard bore

with key-way
DIN 6885 sheet 1

Inner square

Cross Joints, single, Short version, Standard bore

Cross Joints, single,

Short vers., Bore with key-way DIN 6885, Sheet 1

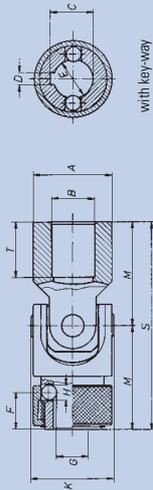
Cross Joints, single, Short version, Inner square

Order number	0.716.410	0.716.411	0.720.410	0.725.410	0.732.410	0.740.410	0.750.410	0.763.410	0.716.413	0.720.413	0.725.413	0.732.413	0.740.413	0.750.413	0.763.413
Md _{max} Nm	8	8	20	30	60	160	290	450	8	20	30	60	160	290	450
Angle of deflection β °	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
Weight kg	0,02	0,03	0,07	0,10	0,22	0,42	0,80	2,12	0,03	0,07	0,10	0,22	0,42	0,80	2,12
A mm	16	16	20	25	32	40	50	63	16	20	25	32	40	50	63
*B ^{1/2} mm	6	8	10	12	16	20	25	32	8	10	12	16	20	25	32
*C ^{4/2} mm	-	-	-	-	-	-	-	-	9	11,4	-	-	-	-	-
*D ^{3/2} mm	-	-	-	-	-	-	-	-	2	3	-	-	-	-	-
*F ^{1/2} mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K mm	17,5	17,5	21,5	26,5	33,5	42	52,5	65	17,5	21,5	26,5	33,5	42	52,5	65
M mm	17	20	24	28	34	41	52,5	65	20	24	28	34	41	52,5	65
S mm	34	40	48	56	68	82	105	130	40	48	56	68	82	105	130
T mm	9	11	13	15	19	21**	29**	36	11	13	15	19	21**	29**	36

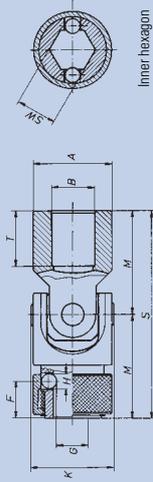
* = Customized bores, key-ways and inner square dimensions possible
 ** = Bore depth smaller than DIN 808
 Md_{max} = Max. permissible torque
 β = Max. angle of deflection per joint
 For application criteria and calculations refer to technical annex

Order number	0.725.413	0.732.413	0.740.413	0.750.413	0.763.413	0.716.414	0.720.414	0.725.414	0.732.414	0.740.414	0.750.414	0.763.414
Md _{max} Nm	30	60	160	290	450	8	20	30	60	160	290	450
Angle of deflection β °	45	45	45	45	45	45	45	45	45	45	45	45
Weight kg	0,10	0,22	0,42	0,80	2,12	0,03	0,07	0,10	0,22	0,42	0,80	2,12
A mm	25	32	40	50	63	16	20	25	32	40	50	63
*B ^{1/2} mm	12	16	20	25	32	-	-	-	-	-	-	-
*C ^{4/2} mm	13,8	18,3	22,8	28,3	35,3	-	-	-	-	-	-	-
*D ^{3/2} mm	4	5	6	8	10	-	-	-	-	-	-	-
*F ^{1/2} mm	-	-	-	-	-	6	8	10	14	19	24	30
K mm	26,5	33,5	42	52,5	65	17,5	21,5	26,5	33,5	42	52,5	65
M mm	28	34	41	52,5	65	20	24	28	34	41	52,5	65
S mm	56	68	82	105	130	40	48	56	68	82	105	130
T mm	15	19	21**	29**	36	11	13	15	19	21**	29**	36

* = Customized bores, key-ways and inner square dimensions possible
 ** = Bore depth smaller than DIN 808
 Md_{max} = Max. permissible torque
 β = Max. angle of deflection per joint
 For application criteria and calculations refer to technical annex



with key-way
DIN 6885 sheet 1



Inner hexagon

Cross Joints, with rapid-change coupling, Bore with key-way DIN 6885, Sheet 1

Order number	0.716.423	0.720.423	0.725.423	0.732.423	0.740.423	0.750.423	0.763.423
Md _{max} Nm	8	20	30	60	160	290	450
Angle of deflection β °	45	45	45	45	45	45	45
Weight kg	0,05	0,10	0,16	0,31	0,61	1,15	2,08
A mm	16	20	25	32	40	50	63
*B ^{1/2} mm	8	10	14	16	20	25	30
*C ^{1/2} mm	9	11	15,3	17,3	21,7	26,7	31,7
*D ^{1/8} mm	2	3	5	5	6	8	8
*E ^{1/2} mm	8	10	14	16	20	25	30
F mm	9,5	11,5	13,5	14	19	20,5	25
G mm	7	8,7	13	14,8	18	23	28
H mm	3,5	4	4	6,35	8	10	10
K mm	17,5	21,5	26,5	33,5	42	52,5	65
M mm	26	31	37	43	54	66	83
S mm	52	62	74	86	108	132	166
*SW ^{1/2} mm	-	-	-	-	-	-	-
T mm	15	18	22	25	32	40	50



TIP

There are application examples in which frequent removal of the universal joint shaft or the joint from the drive or the output shaft is required.

In this case the use of a rapid-change coupling allows to change the shaft within very short time. This is done manually without any tools.

Torque transmission is ensured via a hexagonal profile or a feather key. Two steel balls which grip into a circular groove at the shaft connection provide axial locking of the shaft.

Cross Joints, with rapid-change coupling, Inner hexagon

Order number	0.716.426	0.720.426	0.725.426	0.732.426	0.740.426	0.750.426	0.763.426
Md _{max} Nm	8	20	30	60	160	290	450
Angle of deflection β °	45	45	45	45	45	45	45
Weight kg	0,05	0,10	0,16	0,31	0,61	1,15	2,08
A mm	16	20	25	32	40	50	63
*B ^{1/2} mm	-	-	-	-	-	-	-
*C ^{1/2} mm	-	-	-	-	-	-	-
*D ^{1/8} mm	-	-	-	-	-	-	-
*E ^{1/2} mm	-	-	-	-	-	-	-
F mm	9,5	11,5	13,5	14	19	20,5	25
G mm	6,3	8	13	10,5	14,8	18	23
H mm	3,5	4	4	6,35	8	10	10
K mm	17,5	21,5	26,5	33,5	42	52,5	65
M mm	26	31	37	43	54	66	83
S mm	52	62	74	86	108	132	166
*SW ^{1/2} mm	7,2	9,06	14,04	11,15	16	20	25
T mm	15	18	22	25	32	40	50

* = Customised bores, key-ways and inner hexagon dimensions possible

Md_{max} = Max. permissible torque

β = Max. angle of deflection per joint

For application criteria and calculations refer to technical annex