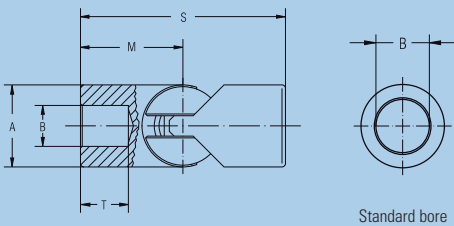
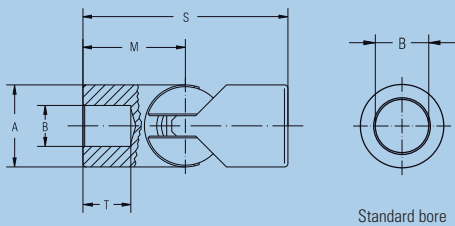


single, Standard bore



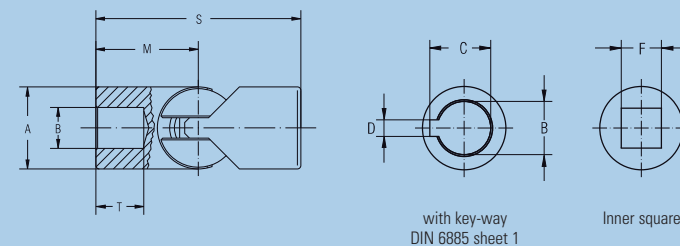
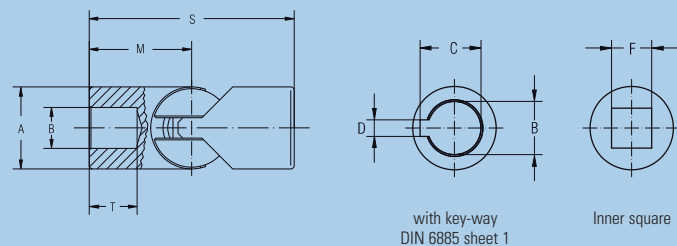
Ball and Socket Joints, single, Standard bore

Order number		0.813.400	0.816.400	0.820.400	0.824.400	0.828.400	0.832.400	0.836.400	0.840.400
Md _{max}	Nm	6	8	20	30	50	60	120	160
Angle of deflection β	°	35	35	35	35	35	35	35	35
Weight	kg	0,03	0,05	0,09	0,15	0,24	0,36	0,53	0,72
A	mm	13	16	20	24	28	32	36	40
*B ^{H7}	mm	6	8	10	12	14	16	18	20
*C ^{H9/D9}	mm	—	—	—	—	—	—	—	—
*D ^{P9}	mm	—	—	—	—	—	—	—	—
*F ^{H9}	mm	—	—	—	—	—	—	—	—
M	mm	17,5	20	25	30	35	40	45	50
S	mm	35	40	50	60	70	80	90	100
T	mm	10	10	13	14	17	19	22	24

* = Customized bores, key-ways an inner square dimensions possible
Md_{max} = Max. permissible torque (when using material 1.4057 divide the Md_{max}-value in halves)
β = Max. angle of deflection per joint
For application criteria and calculations refer to technical annex

0.845.400	0.850.400	0.855.400	0.860.400	0.865.400	0.870.400	0.880.400	0.890.400	0.896.400	0.897.400
200	290	440	520	700	820	930	1060	1250	1370
35	35	35	35	35	35	35	35	35	35
1,02	1,40	1,75	2,52	3,32	4,15	6,02	8,04	10,6	15,3
45	50	55	60	65	70	80	90	100	110
22	25	30	35	40	45	50	60	70	75
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
55	62,5	67,5	82,5	95	105	115	130	145	160
110	125	135	165	190	210	230	260	290	320
26	30	35	42	46	52	58	70	80	85

single, Bore with key-way DIN 6885, Sheet 1; Inner square



Ball and Socket Joints, single, Bore with Key-way DIN 6885, Sheet 1

Order number		0.820.403	0.824.403	0.828.403	0.832.403	0.836.403	0.840.403
Md _{max}	Nm	20	30	50	60	120	160
Angle of deflection β	°	35	35	35	35	35	35
Weight	kg	0,09	0,15	0,24	0,36	0,53	0,72
A	mm	20	24	28	32	36	40
*B ^{H7}	mm	10	12	14	16	18	20
*C ^{+0,2}	mm	11,4	13,8	16,3	18,3	20,8	22,8
*D ^{P9}	mm	3	4	5	5	6	6
*F ^{H9}	mm	—	—	—	—	—	—
M	mm	25	30	35	40	45	50
S	mm	50	60	70	80	90	100
T	mm	13	14	17	19	22	24

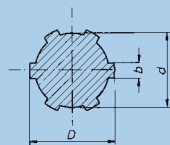
0.845.403	0.850.403	0.855.403	0.860.403	0.865.403	0.870.403	0.880.403	0.890.403	0.896.403	0.897.403
200	290	440	520	700	820	930	1060	1250	1370
35	35	35	35	35	35	35	35	35	35
1,02	1,40	1,75	2,52	3,32	4,15	6,02	8,04	10,6	15,3
45	50	55	60	65	70	80	90	100	110
22	25	30	35	40	45	50	60	70	75
24,8	28,3	33,3	38,3	43,3	48,8	53,3	64,4	74,9	79,9
6	8	8	10	12	14	14	18	20	20
—	—	—	—	—	—	—	—	—	—
55	62,5	67,5	82,5	95	105	115	130	145	160
110	125	135	165	190	210	230	260	290	320
26	30	35	42	46	52	58	70	80	85

Ball and Socket Joints, single, Inner square

Order number		0.820.404	0.824.404	0.828.404	0.832.404	0.836.404	0.840.404
Md _{max}	Nm	20	30	50	60	120	160
Angle of deflection β	°	35	35	35	35	35	35
Weight	kg	0,09	0,15	0,24	0,36	0,53	0,72
A	mm	20	24	28	32	36	40
*B ^{H7}	mm	—	—	—	—	—	—
*C ^{+0,2}	mm	—	—	—	—	—	—
*D ^{P9}	mm	—	—	—	—	—	—
*F ^{H9}	mm	10	12	14	16	18	20
M	mm	25	30	35	40	45	50
S	mm	50	60	70	80	90	100
T	mm	13	14	17	19	22	24

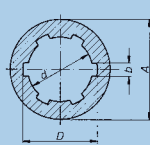
0.845.404	0.850.404	0.855.404	0.860.404	0.865.404	0.870.404	0.880.404	0.890.404	0.896.404	0.897.404
200	290	440	520	700	820	930	1060	1250	1370
35	35	35	35	35	35	35	35	35	35
1,02	1,40	1,75	2,52	3,32	4,15	6,02	8,04	10,6	15,3
45	50	55	60	65	70	80	90	100	110
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
22	25	30	32	36	40	42	50	54	58
55	62,5	67,5	82,5	95	105	115	130	145	160
110	125	135	165	190	210	230	260	290	320
26	30	35	42	46	52	58	70	80	85

* = Customized bores, key-ways an inner square dimensions possible
Md_{max} = Max. permissible torque (when using material 1.4057 divide the Md_{max}-value in halves)
β = Max. angle of deflection per joint
For application criteria and calculations refer to technical annex



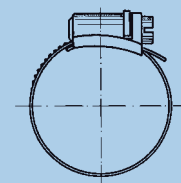
Spline Shafts DIN ISO 14

Material: C40 k, 1.0511 oder C45 k, 1.0503
Material: 35 S 20 k, 1.0726

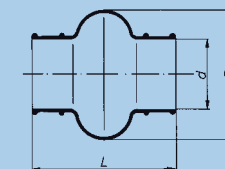


Spline Bore Hubs DIN ISO 14

Material: 11SMnPb 30 k, 1.0718



Material: steel, zinc-plated or stainless steel, corrosion- and acid-resistant



Material: neoprene; temperature-resistant up to 100 °C

Also available with Spigots

Spline Shafts DIN ISO 14

Order number		1.000.524.001	1.000.524.002	1.000.524.003	1.000.524.004	1.000.524.005	1.000.524.007	1.000.524.006
Designation		B 6 x 11 x 14	B 6 x 16 x 20	B 6 x 18 x 22	B 6 x 21 x 25	B 6 x 28 x 32	B 6 x 28 x 34	B 6 x 36 x 42
D	mm	14	20	22	25	32	34	42
d	mm	11	16	18	21	28	28	36
b	mm	3	4	5	5	7	7	8
Available in all lengths up to	mm	3000	3000	3000	3000	500*	3000	500*

Material: C40 k, 1.0511 oder C45 k, 1.0503
* = Material: 35 S 20 k, 1.0726

Spline Bore Hubs DIN ISO 14

Order number		1.000.511.001	1.000.511.002	1.000.511.003	1.000.511.004	1.000.511.005	1.000.511.007	1.000.511.006
Designation		A 6 x 11 x 14	A 6 x 16 x 20	A 6 x 18 x 22	A 6 x 21 x 25	A 6 x 28 x 32	A 6 x 28 x 34	A 6 x 36 x 42
D	mm	14	20	22	25	32	34	42
d	mm	11	16	18	21	28	28	36
b	mm	3	4	5	5	7	7	8
A	mm	20	28	36	40	50	50	60
Length*	mm	50	60	70	70	80	60	100

* = max. grip length even
Material: 11SMnPb 30 k, 1.0718

Hose Clips, steel, zinc-plated

Order number		1.000.961.011	1.000.961.029	1.000.961.003	1.000.961.006	1.000.961.012	1.000.961.013	1.000.961.014	1.000.961.010
Joint-size		0.716/0.816/ 0.720/0.820	0.824/0.725/ 0.828	0.732/0.832/ 0.836	0.740/0.840/ 0.845	0.750/0.850/ 0.855	0.860/0.865	0.870	0.880
Clamping range	mm	12 – 20	20 – 32	25 – 40	32 – 50	40 – 60	50 – 70	60 – 80	70 – 90

Hose Clips, stainless steel, corrosion- and acid-resistant

Order number		1.000.961.020	1.000.961.022	1.000.961.023	1.000.961.024	1.000.961.025	1.000.961.026	1.000.961.027	1.000.961.028
Joint-size		0.716/0.816/ 0.720/0.820	0.824/0.725/ 0.828	0.732/0.832/ 0.836	0.740/0.840/ 0.845	0.750/0.850/ 0.855	0.860/0.865	0.870	0.880
Clamping range	mm	12 – 20	20 – 32	25 – 40	32 – 50	40 – 60	50 – 70	60 – 80	70 – 90

Bellows

Order number		1.000.830.009	1.000.830.010	1.000.830.013	1.000.830.014	1.000.830.002	1.000.830.003
Joint-size		0.716/0.816	0.720/0.820	0.725/0.824	0.828	0.732/0.832	0.836
L	mm	40	47	52	58	67	74
D	mm	31	33	46	50	54	65
d	mm	16	20	25	28	32	36

1.000.830.004	1.000.830.015	1.000.830.016	1.000.830.006	1.000.830.007	1.000.830.017
0.740/0.840	0.845	0.750/0.850	0.855/0.860	0.865/0.870	0.880
84	97	110	122	132	157
75	82	90	100	110	131
040	45	50	56	65	80