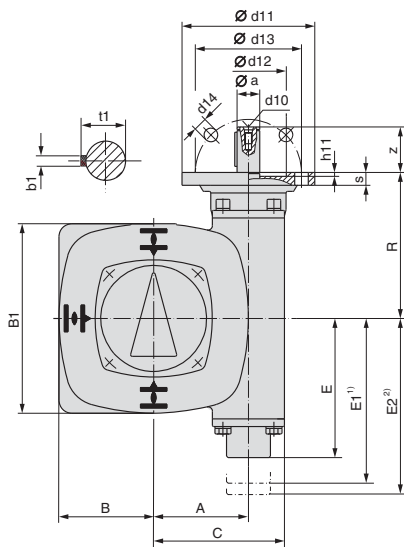


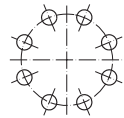
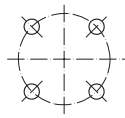
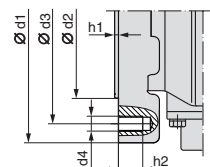
Dimensions Part-turn gearboxes

Without primary reduction gearings

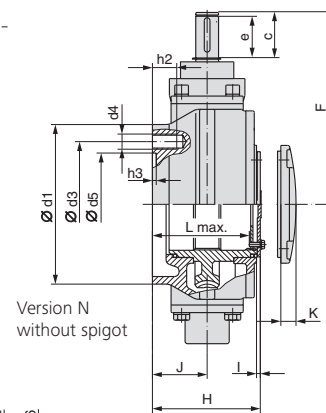
Valve attachment
EN ISO 5211

F07 – F16

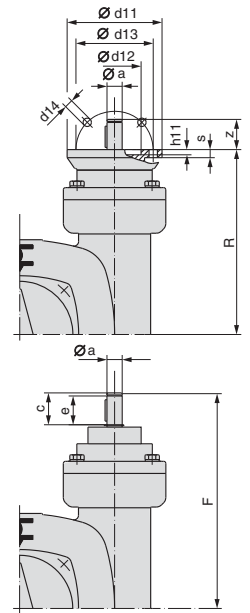
F25 – F35

Valve attachment
GS 125.3 – F30

For manual operation

Version N
without spigotVersion Y
with spigot

With primary reduction gearings



For manual operation

- 1) Swing angle adjustable 10° – 100°
 2) Swing angle adjustable 100° – 190°
 3) Equipped with primary reduction gearing or planetary gearing to reduce input torques

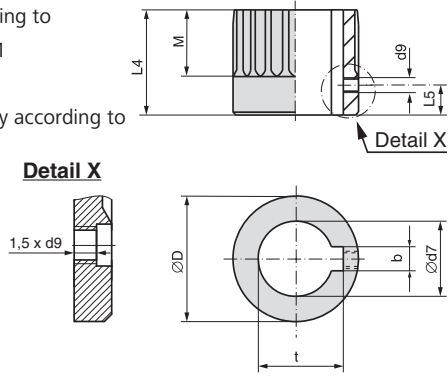
Dimensions	GS 50.3			GS 63.3		GS 80.3		GS 100.3				GS 125.3								
	51:1			51:1 82:1		53:1 82:1		52:1 107:1		126:1 ³⁾ 160:1/208:1 ³⁾		52:1			126:1 ³⁾ 160:1 ³⁾			208:1 ³⁾		
EN ISO 5211	F05	F07	F10	F10	F12	F12	F14	F14	F16	F14	F16	F16	F25	F30	F16	F25	F30	F16	F25	F30
A	50	50	63	63	80	80	100	100	100	100	100	125	125	125	125	125	125	125	125	125
B	60	60	63	75	88	88	105	105	105	105	105	125	150	125	125	150	125	125	150	125
B1	108	108	125	150	175	175	210	210	210	210	210	250	300	250	250	300	250	250	300	250
C	77	77	94	94	111	111	148	148	148	148	148	173	173	173	173	173	173	173	173	173
E	98	98	128	128	133	133	189	189	189	189	189	194	194	194	194	194	194	194	194	194
E1 ¹⁾	101	101	135	135	140	140	213	213	213	213	213	218	218	218	218	218	218	218	218	218
E2 ²⁾	114	114	150	150	155	155	225	225	225	225	225	230	230	230	230	230	230	230	230	230
F	132	132	165	165	170	170	230	230	230	230	230	255	255	255	255	255	255	255	255	255
H	85	80	80	91	94	97	107	142	142	142	142	145	184	184	145	184	184	145	184	184
I	3	3	3	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5
J	45	40	40	42	45	47	57	75	75	75	75	75	114	114	75	114	114	75	114	114
K	12	12	13	13	16	16	17	17	17	17	17	18	18	18	18	18	18	18	18	18
R	100	100	125	125	130	130	190	190	190	190	190	195	195	195	264	264	264	264	264	264
Ø a f7	16	16	20	20	20	20	20	30	20	20	20	30	30	30	20	30	20	20	30	20
b1	5	5	6	6	6	6	8	6	6	6	6	8	8	8	6	8	6	6	8	6
c	31.5	31.5	42	42	42	42	43	60	43	43	43	60	60	60	43	60	43	42	60	42
Ø d1	65	90	125	125	150	150	175	175	210	175	210	210	300	348	210	300	348	210	300	348
Ø d2 f8	35	55	70	70	85	85	100	100	130	100	130	130	200	230	130	200	230	130	200	230
Ø d3	50	70	102	102	125	125	140	140	165	140	165	165	254	298	165	254	298	165	254	298
d4	M6	M8	M10	M10	M12	M12	M16	M16	M20	M16	M20	M20	M16	M20	M20	M16	M20	M20	M16	M20
Ø d5	40	60	85	85	105	105	115	115	140	115	140	140	225	—	140	225	—	140	225	—
Ø d6	32.5	49	64	64	79	79	92	92	121	92	121	121	190	—	121	190	—	121	190	—
d10	M5	M5	M6	M6	M6	M6	M10	M10	M6	M6	M6	M10	M10	M10	M10	M10	M10	M6	M6	M6
e	28	28	38	38	38	38	55	55	38	38	38	55	55	55	55	55	55	38	38	38
h1	2.5	2.5	2.5	2.5	2.5	2.5	3.5	3.5	4.5	3.5	4.5	4.5	4.5	5	4.5	4.5	5	4.5	4.5	5
h2	10	13	16	16	19	19	25	25	32	25	32	32	25	32	32	25	32	32	25	32
h3	3	3.5	4	4	4	4	5	5	5	5	5	5	5	—	5	5	—	5	5	—
L max.	68	63	63	75	78	80	90	125	125	125	125	128	128	167	128	128	167	128	128	167
t1	18	18	22.5	22.5	22.5	22.5	33	33	22.5	22.5	22.5	33	33	33	22.5	33	22.5	22.5	22.5	22.5
z	32	32	40	40	40	40	60	60	40	40	40	60	60	60	40	60	40	40	60	40
EN ISO 5210 ⁴⁾	F07/F10	F07/F10	F07/F10	F07/F10	F07/F10	F07/F10	F10/F14	F10/F14	F10	F10	F10	F14	F14	F14	F10/F14	F10/F14	F10	F10	F10	F10
DIN 3210 ⁴⁾	G0	G0	G0	G0	G0	G0	G0/G1/2	G0/G1/2	G0	G0	G0	G1/2	G1/2	G1/2	G0/G1/2	G0/G1/2	G0	G0	G0	G0

⁴⁾ Flange for mounting multi-turn actuator

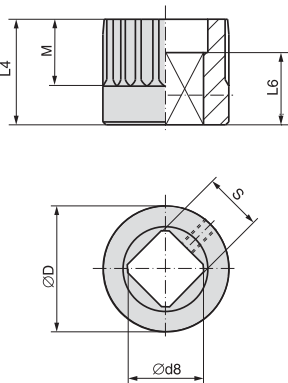
EN ISO 5210	F07	F10	F14
DIN 3210	G0	G1/2	G1/2
Ø d11	90	125	175
Ø d12	55	70	100
Ø d13	70	102	140
Ø d14	9	11	18
h11	5	5	5
s	8	12	17

We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.

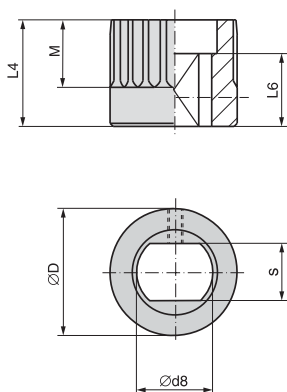
Dimensions Couplings according to EN ISO 5211, DIN 6885

Bore according to
EN ISO 5211With keyway according to
DIN 6885-1

Dimensions	GS 50.3			GS 63.3		GS 80.3		GS 100.3		GS 125.3		
EN ISO 5211	F05	F07	F10	F10	F12	F12	F14	F14	F16	F16	F25	F30
Ø D	31.75	51.75		67.6		81.6		105.8		119.6		
b JS9 ¹⁾	6	6	8	8	10	10	14	14	18	18	20	20
Ø d7 H8	18	22	28	28	36	36	48	48	60	60 ²⁾	72 ²⁾	72
Ø d7 H8 max.	20	38		50		60		80		90		
d9 ³⁾	M4	M6		M6		M6		M8		M8		
L4	35	45		55		65		80		110		130
L5 ³⁾	8	10		10		10		18		18		
M	20	30		40		47		50		70		
t ¹⁾	20.8	24.8	31.3	31.3	39.3	39.3	51.8	51.8	64.4	64.4	76.9	76.9

Square bore
according to EN ISO 5211

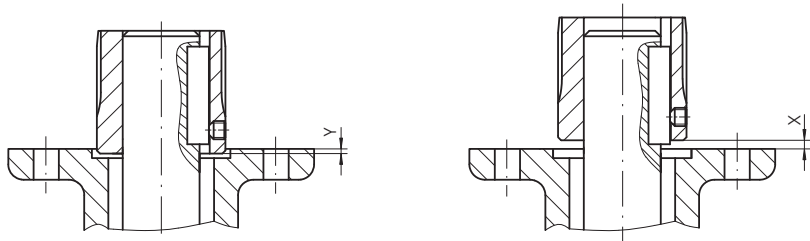
Dimensions	GS 50.3			GS 63.3		GS 80.3		GS 100.3		GS 125.3		
EN ISO 5211	F05	F07	F10	F10	F12	F12	F14	F14	F16	F16	F25	F30
Ø D	31.75	51.75		67.6		81.6		105.8		119.6		
Ø d8 min.	18.1	22.2	28.2	28.2	36.2	36.2	48.2	48.2	60.2	60.2 ²⁾	72.2 ²⁾	72.2
Ø d8 max.	22.2	40.2 ⁴⁾		48.2		60.2		72.2		98.2		
L4	35	45		55		65		80		110		130
L6 min.	30	30		30		40		50		50		
M	20	30		40		47		50		70		
s H11	14	17	22	22	27	27	36	36	46	46 ²⁾	55 ²⁾	55
s H11 max.	17	30 ⁴⁾		36		46		55		75		

Bore with two-flats
according to EN ISO 5211

Dimensions	GS 50.3			GS 63.3		GS 80.3		GS 100.3		GS 125.3		
EN ISO 5211	F05	F07	F10	F10	F12	F12	F14	F14	F16	F16	F25	F30
Ø D	31.75	51.75		67.6		81.6		105.8		119.6		
Ø d8 min.	18.1	22.2	28.2	28.2	36.2	36.2	48.2	48.2	60.2	60.2 ²⁾	72.2 ²⁾	72.2
Ø d8 max.	22.2	36.2		48.2/48 ⁵⁾		60.2		72.2		98.2		
L4	35	45		55		65		80		110		130
L6 min.	25	25		30		40		45		59		
M	20	30		40		47		50		70		
s H11	14	17	22	22	27	27	36	36	46	46 ²⁾	55 ²⁾	55
s H11 max.	17	27		36/41 ⁵⁾		46		55		75		

Mounting position of coupling

X max.	6	14	7	10	13	23	22	22	17	17	35
Y max.	5	5	18	13	18	5	13	8	35	27	0



1) Dimensions depend on Ø d7, refer to DIN 6885-1

2) Recommended size according to EN ISO 5211

3) Thread with grub screw

4) According to DIN 79

5) According to DIN 475