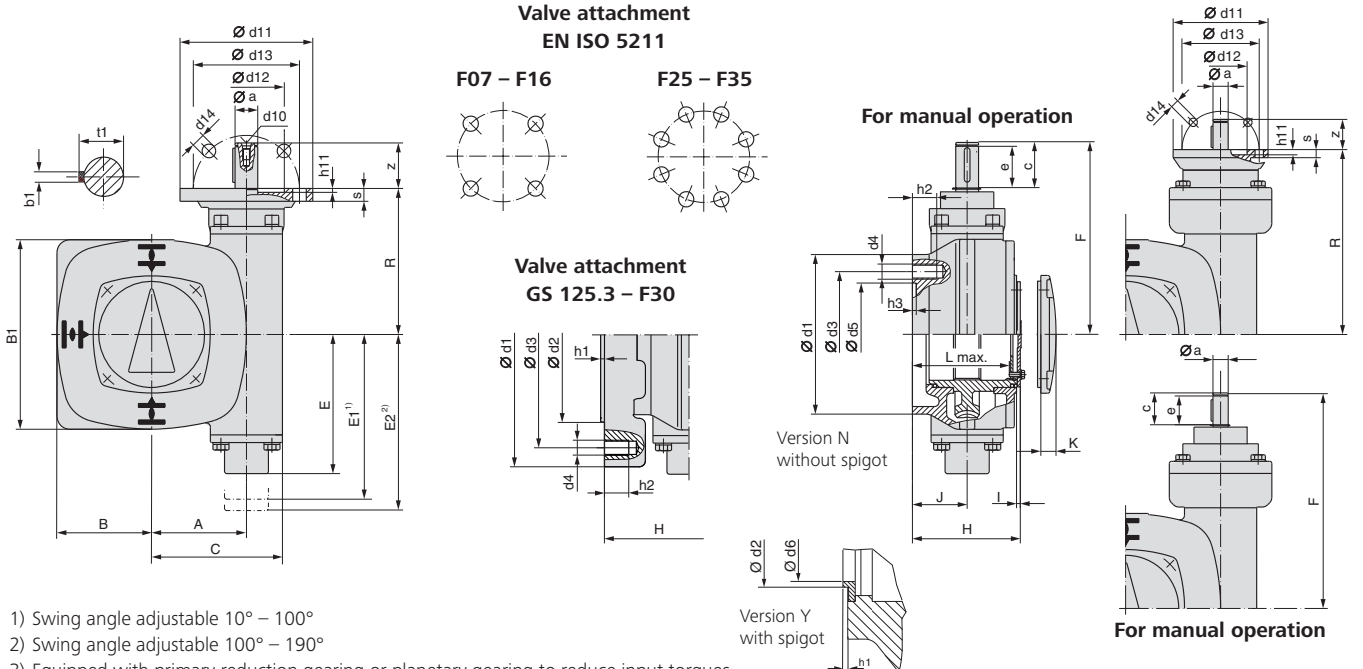


Dimensions Part-turn gearboxes

Without primary reduction gearings

With primary reduction gearings



- 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		126:1 <sup>3)</sup>		160:1/208:1 <sup>3)</sup>		52:1		126:1 <sup>3)</sup>		160:1 <sup>3)</sup>		208:1 <sup>3)</sup>			
EN ISO 5211	F05	F07	F10	F10	F12	F12	F14	F14	F16	F14	F16	F16	F25	F30	F16	F25	F30	F16	F25	F30	F16	F25	F30
A		50		63		80		100		100			125		125		125		125		125		125
B	60	60	63	75		88		105		105		125	150	125	125	150	125	125	150	125	125	150	125
B1	108	108	125	150		175		210		210		250	300	250	250	300	250	250	300	250	250	300	250
C		77		94		111		148		148			173		173		173		173				173
E		98		128		133		189		189			194		194		194		194				194
E1 <sup>1)</sup>		101		135		140		213		213			218		218		218		218				218
E2 <sup>2)</sup>		114		150		155		225		225			230		230		230		230				230
F		132		165		170		230	250	299			255		324		304						304
H	85	80	80	91	94	97	107	142		142		145	184		145	184		145	184		145	184	
I		3		3		4		5		5		5			5				5				5
J	45	40	40	42	45	47	57	75		75		75	114		75	114		75	114		75	114	
K		12		13		16		17		17			18			18			18				18
R		100		125		130		190		259			195		264		264						264
Ø a f7		16		20		20		20	30	20			30		20	30		20	30		20	30	
b1		5		6		6		6	8	6			8		6	8		6	8		6	8	
c		31.5		42		42		43	60	43			60		43	60		43	60		43	60	
Ø d1	65	90	125	125	150	150	175	175	210	175	210	210	300	348	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	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	165	254	298
d4	M6	M8	M10	M10	M12	M12	M16	M16	M20	M16	M20	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	-	140	225	-
Ø d6	32.5	49	64	64	79	79	92	92	121	92	121	121	190	-	121	190	-	121	190	-	121	190	-
d10		M5		M6		M6		M10		M6			M10		M10		M10		M10				M6
e		28		38		38		55		38			55		55		55		55				38
h1		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	4.5	4.5	5
h2	10	13	16	16	19	19	25	25	32	25	32	32	25	32	25	32	25	32	25	32	25	32	25
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		128	128	167	128	128	167	128	128	167	128	128	167
t1		18		22.5		22.5		22.5	33	22.5			33		22.5	33	22.5		33		22.5	33	
z		32		40		40		40	60	40			60		40	60		40	60		40	60	
EN ISO 5210 <sup>4)</sup>		F07/F10		F07/F10		F07/F10		F10/F14		F10			F14		F10/F14		F10		F10/F14		F10		F10
DIN 3210 <sup>4)</sup>		G0		G0		G0		G0/G1/2		G0			G1/2		G0/G1/2		G0		G0/G1/2		G0		G0

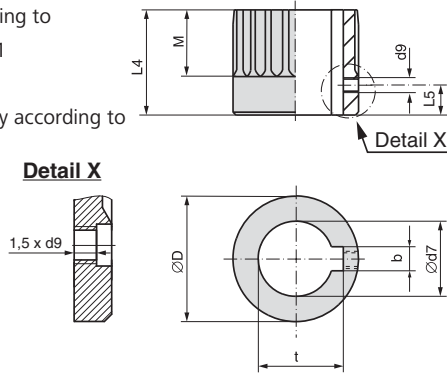
<sup>4)</sup> Flange for mounting multi-turn actuator

EN ISO 5210	F07	F10	F14	
DIN 3210			G0	G1/2
Ø d11	90	125	125	175
Ø d12	55	70	60	100
Ø d13	70	102	102	140
Ø d14	9	11	11	18
h11	5	5	5	5
s	8	12	12	17

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

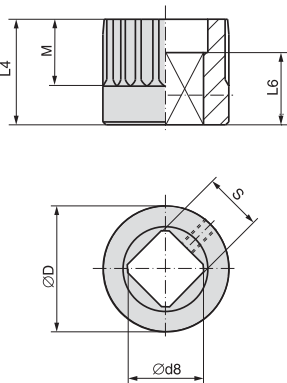
Dimensions Couplings according to EN ISO 5211, DIN 6885

Bore according to EN ISO 5211



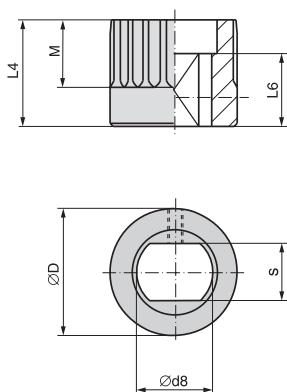
Dimensions	GS 50.3			GS 63.3		GS 80.3		GS 100.3		GS 125.3		
EN ISO 5211	F05	F07	F10	F10	F12	F12	F14	F14	F16	F16	F25	F30
Ø D	31.75	51.75		67.6		81.6		105.8		119.6		
b JS9 <sup>1)</sup>	6	6	8	8	10	10	14	14	18	18	20	20
Ø d7 H8	18	22	28	28	36	36	48	48	60	60 <sup>2)</sup>	72 <sup>2)</sup>	72
Ø d7 H8 max.	20	38		50		60		80		90		
d9 <sup>3)</sup>	M4	M6		M6		M6		M8		M8		
L4	35	45		55		65		80		110		130
L5 <sup>3)</sup>	8	10		10		10		18		18		
M	20	30		40		47		50		70		
t <sup>1)</sup>	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 <sup>2)</sup>	72.2 <sup>2)</sup>	72.2
Ø d8 max.	22.2	40.2 <sup>4)</sup>		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 <sup>2)</sup>	55 <sup>2)</sup>	55
s H11 max.	17	30 <sup>4)</sup>		36		46		55		75		

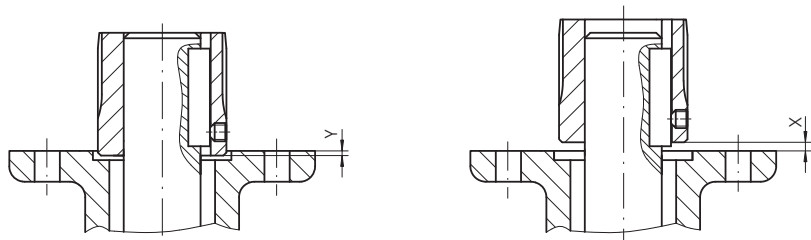
Bore with two-flats according to EN ISO 5211



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 <sup>2)</sup>	72.2 <sup>2)</sup>	72.2
Ø d8 max.	22.2	36.2		48.2/48 <sup>5)</sup>		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 <sup>2)</sup>	55 <sup>2)</sup>	55
s H11 max.	17	27		36/41 <sup>5)</sup>		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

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