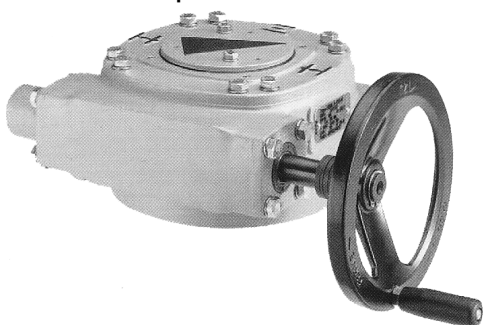


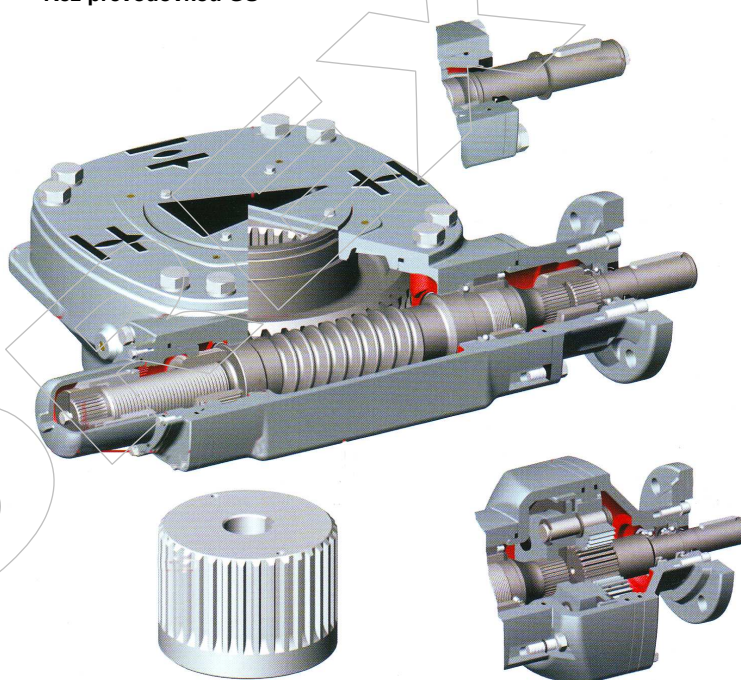
Šneková převodovka GS



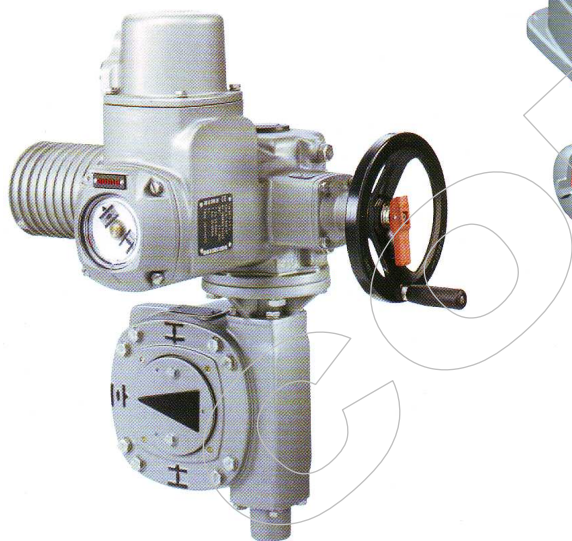
Čtvrtotáčková šneková převodovka GS

Slouží pro pohony armatur, jako jsou kulové kohouty, uzavírací klapky
Pomocí těchto převodovek je dosahováno velkých kroutících momentů.

Řez převodovkou GS



Převodovka GS v kombinaci s pohonem.



Základní data čtvrtotáčkové šnekové převodovky GS 50.3 - GS 125.3

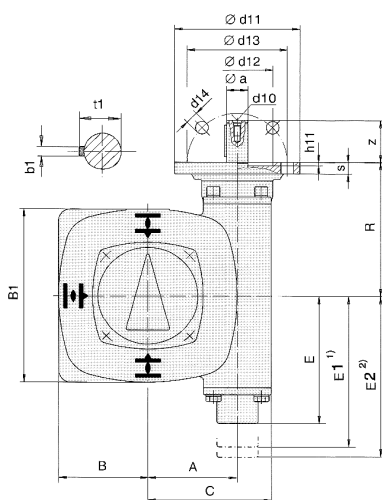
Armatura			Převodovka				
Max. kroutící moment armatury (Nm)	Připojení k armatuře		Velikost převodovky	faktor	Vstupní hřídel (mm)	Max. vstupní kroutící moment (Nm)	Váha GS+VZ (kg)
	Standard EN ISO 5210	max. průměr hřídele (mm)					
500	F07, F10	38	GS 50.3	16,7	38	30	7
1000	F10, F12	50	GS 63.3	16,7	20	60	12
2000	F12, F14	60	GS 80.3	18,2	20	110	16
4000	F14, F16	80	GS 100.3	18,7	30	214	33
			GS100.3/VZ2.3	42,8	20	93	39
			GS100.3/VZ3.3	54	20	74	39
			GS100.3/VZ4.3	70,7	20	57	39
8000	F16, F25	90	GS 125.3	19,2	30	417	40
			GS125.3/VZ2.3	44	30	182	46
			GS125.3/VZ3.3	56	30	143	46
			GS125.3/VZ4.3	72,7	20	110	46

Velikost převodovky	Otevírací čas v sekundách potřebný pro 90° otočení výstupního hřídele převodovky												typ pohonu	EN ISO 5211
	4	5,6	8	11	16	22	32	45	63	90	125	180		
GS 50.3	192	137	96	70	48	35	24	17	-	-	-	-	SA07.1	F07,F10
GS 63.3	192	137	96	70	48	35	24	17	-	-	-	-	SA07.5	F07,F10
GS 80.3	199	142	100	72	50	36	25	18	-	-	-	-	SA10.1	F07,F10
GS 100.3	195	140	98	71	49	35	24	17	-	-	-	-	SA14.1	F14
GS100.3/VZ2.3	472	337	236	172	118	86	59	42	30	21	-	-	SA10.1	F10
GS100.3/VZ3.3	600	429	300	218	150	109	75	53	38	27	19	-	SA10.1	F10
GS100.3/VZ4.3	780	557	390	284	185	142	98	69	50	35	25	17	SA07.5	F10
GS 125.3	195	140	98	71	49	35	24	17	-	-	-	-	SA14.5	F14
GS125.3/VZ2.3	472	338	236	172	118	86	59	42	30	21	-	-	SA14.1	F14
GS125.3/VZ3.3	600	429	300	218	150	109	75	53	38	27	19	-	SA14.1	F14
GS125.3/VZ4.3	780	557	390	284	195	142	98	69	50	35	25	17	SA10.1	F10

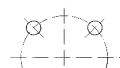
Dimensions worm gearboxes

**GS 50.3 – GS 125.3
VZ 2.3 – VZ 4.3**

without primary reduction
gearing VZ



Valve attachment
EN ISO 5211
F07-F16

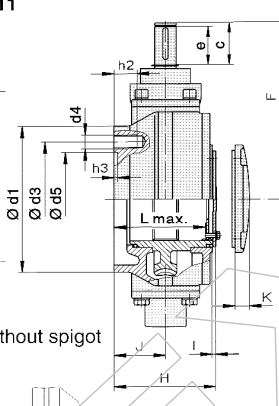


F25

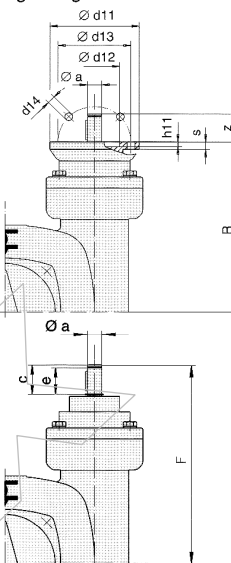
Version N without spigot

Version Y with spigot

for manual
operation



with primary reduction
gearing VZ



for manual operation

1) Swing angle adjustable max. 100°
2) Swing angle adjustable max. 190°

Dimensions	GS 50.3			GS 63.3		GS 80.3		GS 100.3		GS 125.3		VZ 2.3		VZ 3.3		VZ 4.3	
EN ISO 5211	F05	F07	F10	F10	F12	F12	F14	F14	F16	F14	F16	F16	F25	F16	F25	F16	F25
A	50	50	50	63	63	80	80	100	100	100	100	125	125	125	125	125	125
B	60	60	63	75	75	88	88	105	105	125	150	125	150	125	150	125	150
B1	108	108	125	150	150	175	175	210	210	250	300	250	300	250	300	250	300
C	77	77	77	94	94	111	111	148	148	173	173	173	173	173	173	173	173
E	98	98	98	128	128	133	133	189	189	194	194	194	194	194	194	194	194
E1 ¹⁾	101	101	101	135	135	140	140	213	213	218	218	218	218	218	218	218	218
E2 ²⁾	114	114	114	150	150	155	155	225	225	230	230	230	230	230	230	230	230
F	132	132	132	165	165	170	170	230	250	299	255	324	304	304	304	304	304
H	85	80	80	91	94	97	107	142	142	145	145	145	145	145	145	145	145
I	3	3	3	3	3	4	4	5	5	5	5	5	5	5	5	5	5
J	45	40	40	42	45	47	57	75	75	75	75	75	75	75	75	75	75
K	12	12	12	13	13	16	16	17	17	18	18	18	18	18	18	18	18
R	100	100	100	125	125	130	130	190	190	259	195	264	264	264	264	264	264
Ø a f7	16	16	16	20	20	20	20	30	30	20	30	20	30	20	30	20	30
b1	5	5	5	6	6	6	6	8	8	6	8	6	8	6	8	6	8
c	31.5	31.5	31.5	42	42	42	43	60	43	60	43	60	43	60	43	60	43
Ø d1	65	90	125	125	150	150	175	175	210	175	210	210	300	210	300	210	300
Ø d2 f8	35	55	70	70	85	85	100	100	130	100	130	130	200	130	200	130	200
Ø d3	50	70	102	102	125	125	140	140	165	140	165	165	254	165	254	165	254
d4	M6	M8	M10	M10	M12	M12	M16	M16	M20	M16	M20	M20	M16	M20	M16	M20	M16
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	M5	M6	M6	M6	M10	M10	M6	M10	M10	M10	M10	M10	M10	M6	M6
e	28	28	28	38	38	38	55	55	38	55	55	55	55	55	55	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	4.5	4.5	4.5	4.5
h2	10	13	16	16	19	19	25	25	32	25	32	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	125	125	128	128	128	128	128	128
t1	18	18	18	22.5	22.5	22.5	33	33	22.5	33	33	33	33	33	33	33	33
z	32	32	32	40	40	40	60	60	40	60	60	60	60	60	60	60	60
EN ISO 5210 ³⁾	F07/F10	F07/F10	F07/F10	F07/F10	F07/F10	F07/F10	F10/F14	F10/F14	F10	F14	F10/F14	F10	F14	F10/F14	F10	F14	F10
DIN 3210 ³⁾	G0	G0	G0	G0	G0	G0	G0/G1/2	G0/G1/2	G0	G1/2	G0/G1/2	G0	G1/2	G0/G1/2	G0	G1/2	G0

³⁾ Flange for mounting to multi-turn actuator

EN ISO 5210 (DIN 3210)	F07	F10	(G0)	F14 (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

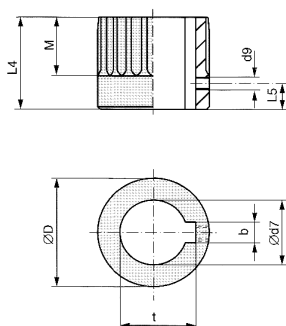
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Issue **1.09**

1/2

Y000.265/002/en

GS 50.3 – GS 125.3 VZ 2.3 – VZ 4.3		Dimensions coupling according to										EN ISO 5211 DIN 6885			
Bore acc. to EN ISO 5211 with keyway acc. to DIN 6885 P1 	Dimensions EN ISO 5211	AUMA worm gearbox													
		GS 50.3			GS 63.3		GS 80.3		GS 100.3		GS 125.3				
		F05	F07	F10	F10	F12	F12	F14	F14	F16	F16	F25			
		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		
		Ø d7 ²⁾ H8	18	22	28	28	36	36	48	48	60	60	72		
		Ø d7 max.	20	38		50		60		80		90			
		d9 ³⁾	M4	M6		M6		M6		M8		M8			
		L4	35	45		55		65		80		110			
		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				

Technická data čtvrtotáčkových převodovek s primární redukcí soukolí a šnekovým kolem

Armatura			Převodovka				
Max. krouticí moment armatury (Nm)	Připojení k armatuře		Velikost převodovky	faktor	Vstupní hřídel (mm)	Max. vstupní krouticí moment (Nm)	Váha GS+VZ (kg)
	Standard EN ISO 5210	max. průměr hřídele (mm)					
14000	F25, F30	100	GS 160.3	21	30	667	80
			GS160.3/GZ4:1	76	30	184	91
			GS160.3/GZ8:1	155	20	90	91
28000	F30, F35	125	GS 200.3	20,7	40	1353	140
			GS200.3/GZ4:1	75	30	373	160
			GS200.3/GZ8:1	15	30	184	160
			GS200.3/GZ16:1	268	20	104	170
56000	F35, F 40	160	GS 250.3	20,3	50	2759	273
			GS250.3/GZ4:1	74	40	757	296
			GS250.3/GZ8:1	144	30	389	296
			GS250.3/GZ16:1	263	30	213	308

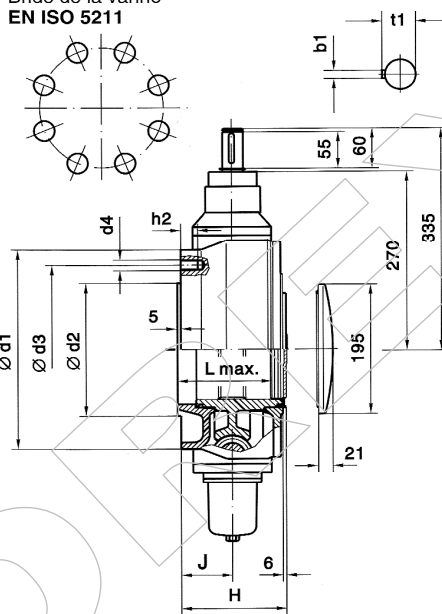
Velikost převodovky	Otevírací čas v sekundách potřebný pro 90° otočení výstupního hřídele převodovky												typ pohonu	EN ISO 5211
	4	5,6	8	11	16	22	32	45	63	90	125	180		
GS 100.3	203	145	102	74	51	37	25	18	-	-	-	-	SA16.1	F14/F16
GS100.3/GZ4:1	818	584	409	297	204	149	102	73	52	36	26	18	SA14.1	F14
GS100.3/GZ8:1	-	-	829	603	414	301	207	147	105	74	53	37	SA10.1	F10
GS 200.3	199	142	100	72	50	36	25	18	-	-	-	-	SA25.1	F16/F25
GS200.3/GZ4:1	803	573	401	292	201	146	100	71	51	36	26	18	SA14.5	F14
GS200.3/GZ8:1	-	-	814	592	407	296	203	145	103	72	52	36	SA14.1	F14
GS200.3/GZ16:1	-	-	-	-	810	589	405	288	206	144	104	72	SA10.1	F10
GS 250.3	195	140	98	71	49	35	24	-	-	-	-	-	SA30.1	F25/F30
GS250.3/GZ4:1	788	563	394	286	197	143	98	70	50	35	25	-	SA16.1	F14/F16
GS250.3/GZ8:1	-	-	773	562	386	281	193	137	98	69	49	34	SA14.5	F14
GS250.3/GZ16:1	-	-	-	-	795	578	398	283	202	141	102	71	SA14.1	F14

GS 160.3
mit / *with* / avec
GZ 160.3

mit Vorgelege GZ
with reduction gearing GZ
avec réducteur GZ

$\varnothing d11$
 $\varnothing d13$
 $\varnothing d12$
 $\varnothing a$
 $h11$
 s
 z
 340
 160
 e
 c
 335
 F1

Für Handbetrieb
 For manual operating
 Pour commande manuelle



1) Flansch zum Anbau von Drehantrieb / *Mounting flange for multi-turn actuator* / Bride du servo moteur multi-tours

Durch die Weiterentwicklung bedingte Änderungen bleiben vorbehalten. Mit Erscheinen dieses Datenblattes verlieren frühere Ausgaben ihre Gültigkeit.

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Nous nous réservons le droit de modifier les valeurs, qui sont conditionnées par le perfectionnement. Les fiches techniques antérieures perdent leur validité avec l'édition de cette fiche technique.

Ausgabe
Issue
Edition

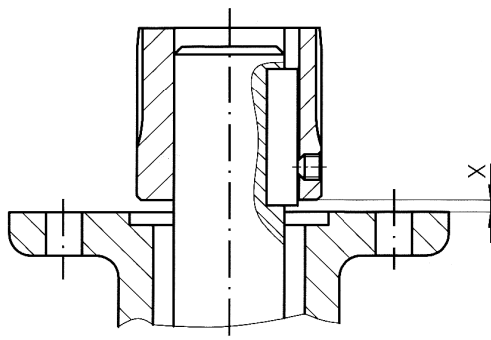
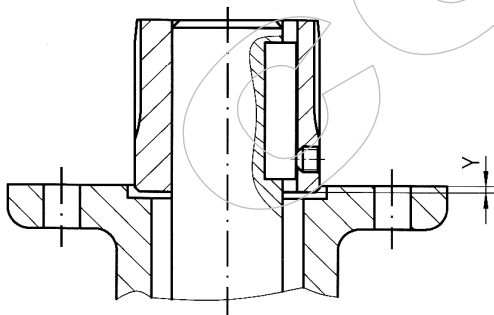
1.04

Y000 262/001/de-en-fr

Maße Kupplungen
Dimensions couplings
Dimensions accouplements

Type	GS 160.3	
EN ISO 5211	F 25	F 30
Ø D	149,2	
b JS9 ¹⁾	nach DIN 6885 T1 / <i>acc. to DIN 6885 part 1</i> / suivant DIN 6885 partie 1	
Ø d7 max.	100	
d9 ²⁾	M 10	
L4	110	
L5	20	
M	70	
t ¹⁾	nach DIN 6885 T1 / <i>acc. to DIN 6885 part 1</i> / suivant DIN 6885 partie 1	
X max.	15	30
Y max.	11	0

Position de montage de l'accouplement

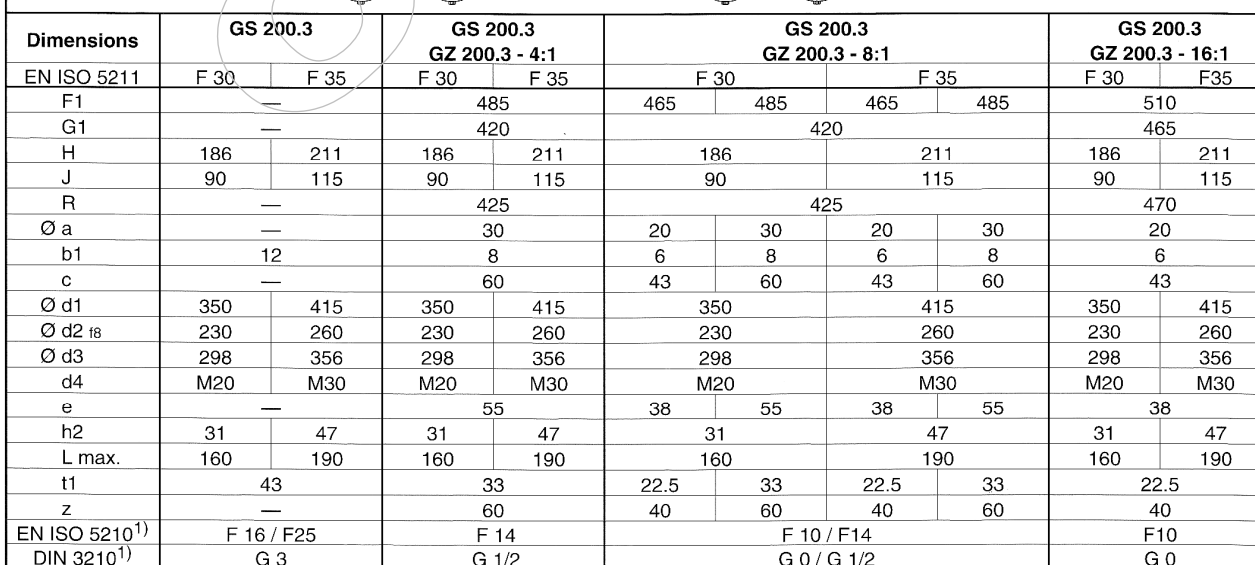


- 1) Dimensions dépendant de Ø d7, voir DIN 6885 partie 1
2) Filetage avec goupille

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**GS 200.3
with
GZ 200.3**



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Issue 1.08

Page 1 of 2

Y000.263/002/en

Dimensions coupling according to **EN ISO 5211**
DIN 6885

Technical drawing of a ball joint (Ballschwenkarm) showing side and front views with dimensions.

Side View Dimensions:

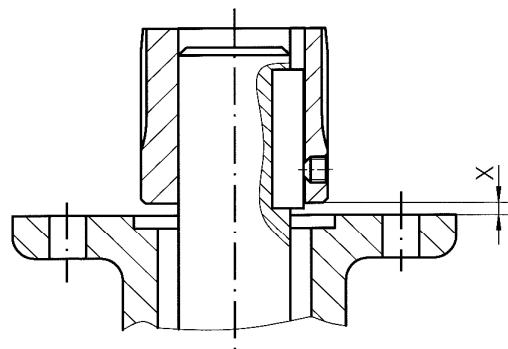
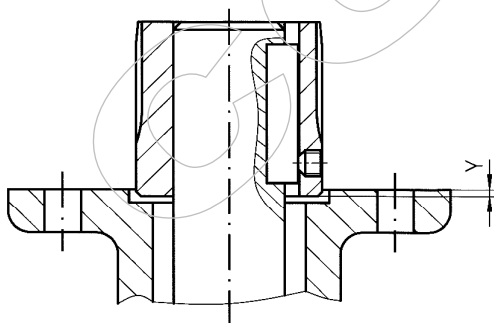
- $L4$: Total length of the arm.
- M : Distance from the mounting flange to the ball joint center.
- $d9$: Diameter of the mounting flange.
- $L5$: Distance from the mounting flange to the ball joint center.

Front View Dimensions:

- $\varnothing D$: Outer diameter of the ball joint housing.
- t : Thickness of the ball joint housing.
- b : Width of the ball joint housing.
- $\varnothing d7$: Diameter of the ball joint pin.

Type	GS 200.3	
EN ISO 5211	F30	F35
Ø D	189	
b JS9 ¹⁾	according to DIN 6885 P1	
Ø d7 max.	125	
d9 ²⁾	M12	
L4	140	
L5	20	
M	94	
t ¹⁾	according to DIN 6885 P1	
X max.	19	44
Y max.	19	0

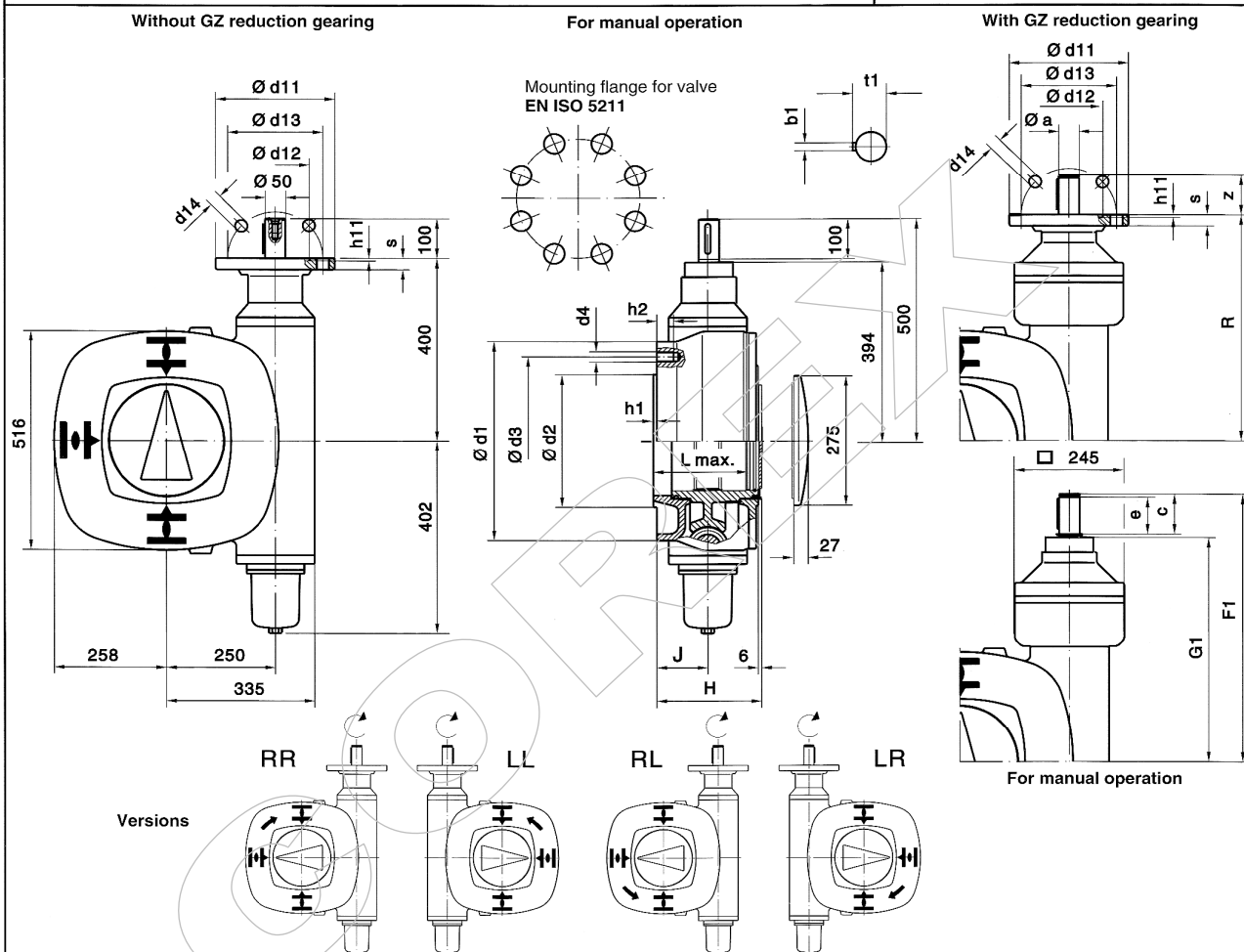
Mounting position of coupling



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Dimensions Worm gearboxes and reduction gearing

GS 250.3 with GZ 250.3



Dimensions	GS 250.3		GS 250.3 GZ 250.3 - 4:1				GS 250.3 GZ 250.3 - 8:1				GS 250.3 GZ 250.3 - 16:1			
EN ISO 5211	F 35	F 40	F 35		F 40		F 35		F 40		F 35		F 40	
F1	—		540	560	540	560	540		540		585			
G1	—		475		475		475		475		520			
H	249	259	249		259		249	259		249		259		
J	130	140	130		140		130	140		130		140		
R	—		480		480		480		480		525			
Ø a	—		30	40	30	40	30		30		20	30	20	30
b1	14		8	12	8	12	8		8		6	8	6	8
c	—		60	73	60	73	60		60		43	60	43	60
Ø d1	415	475	415		475		415	475		415		475		
Ø d2 f8	260	300	260		300		260	300		260		300		
Ø d3	356	406	356		406		356	406		356		406		
d4	M30	M36	M30		M36		M30	M36		M30		M36		
e	—		55	65	55	65	55		55		38	55	38	55
h1	5	8	5		8		5	8		5		8		
h2	47	55	47		55		47	55		47		55		
L max.	233	245	233		245		233	245		233		245		
t1	53.5		33	43	33	43	33		33		22.5	33	22.5	33
z	—		60	80	60	80	60		60		40	60	40	60
EN ISO 5210 ¹⁾	F 25 / F 30		F 14				F 14				F 10 / F 14			
DIN 3210 ¹⁾	—		G 1/2				G 1/2				G 0 / G 1/2			

1) Mounting flange for multi-turn actuator

EN ISO 5210 (DIN 3210)	F 10	(G 0)	F 14 (G 1/2)	F 25
Ø d11	125	125	175	300
Ø d12	70	60	100	200
Ø d13	102	102	140	254
Ø d14	11	11	18	18
h11	5	5	5	6
s	12	12	17	25

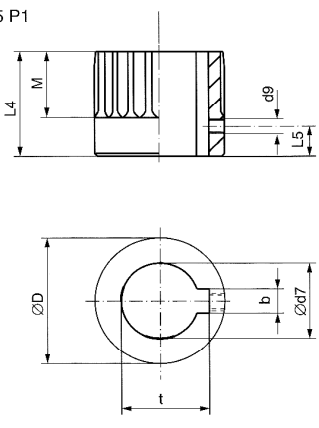
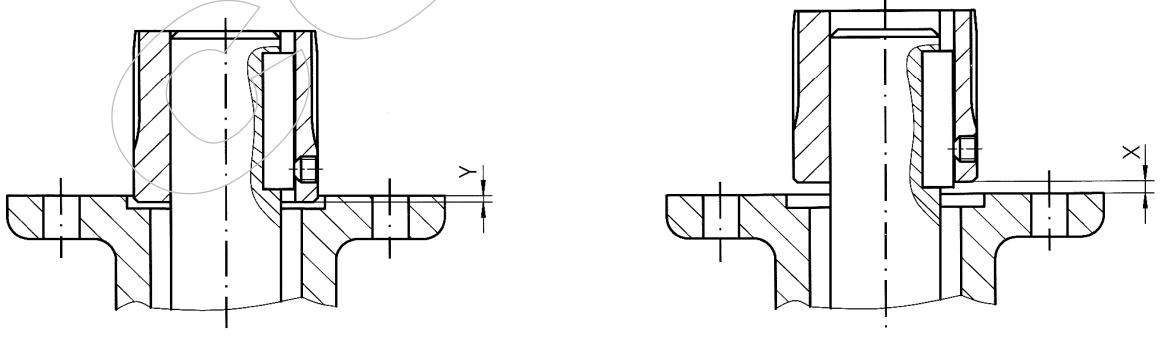
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Page 1 of 2

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Issue **1.08**

Y000.264/002/en

GS 250.3 with GZ 250.3		Dimensions coupling according to EN ISO 5211 DIN 6885	
Bore acc. to EN ISO 5211 with keyway acc. to DIN 6885 P1 		Type	GS 250.3
		EN ISO 5211	F35 F40
		Ø D	209
		b JS9 ¹⁾	according to DIN 6885 P1
		Ø d7 max.	160
		d9 ²⁾	M16
		L4	180
		L5	20
		M	105
		t ¹⁾	according to DIN 6885 P1
		X max.	8 13
		Y max.	8 0
Mounting position of coupling 			
1) Dimensions depend on Ø d7, refer to DIN 6885 part 1 2) Recommended size according to EN ISO 5211			
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Issue 1.08 Y000.264/002/en		Page 2 of 2 	