

Description

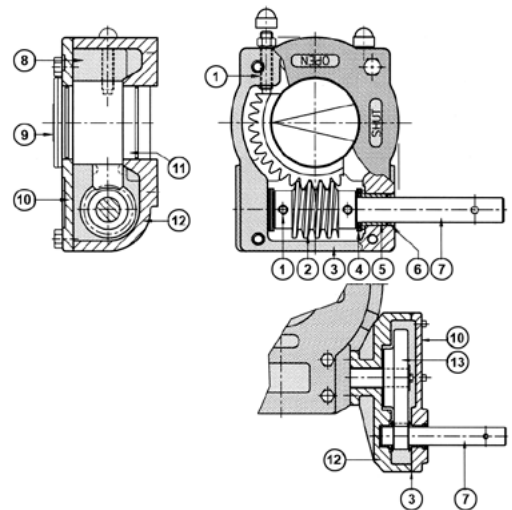
Quarter turn gearbox handoperated with cast iron housing Polyurethane coated

Product features

- Valve connection Mounting face for valves according to EN ISO 5211
- Torque 135 - 32000 Nm
- Temperature range -20°C ÷ +120°C
- Stroke 0-90° (±5° adjustable)
- Lubrication Factory lubricated for the life of actuator under normal working conditions
- Protection class GB...N -> IP67
GB...G -> IP68

Construction

1	Set screw	Steel 8.8
2	Worm	Steel C45
3	Gasket	NBR
4	Needle bearing	
5	Bushing	Sintered steel
6	Seal ring	Nitrile
7	Shaft	AISI 303
8	Grease	Multipurpose EP2
9	Position indicator	GB150-1950 Polypropylene GB6800-250 GG25
10	Coverplate	GG25
11	Quadrant	GGG40
12	Body	GG25
13	Gear	Carbon steel C45

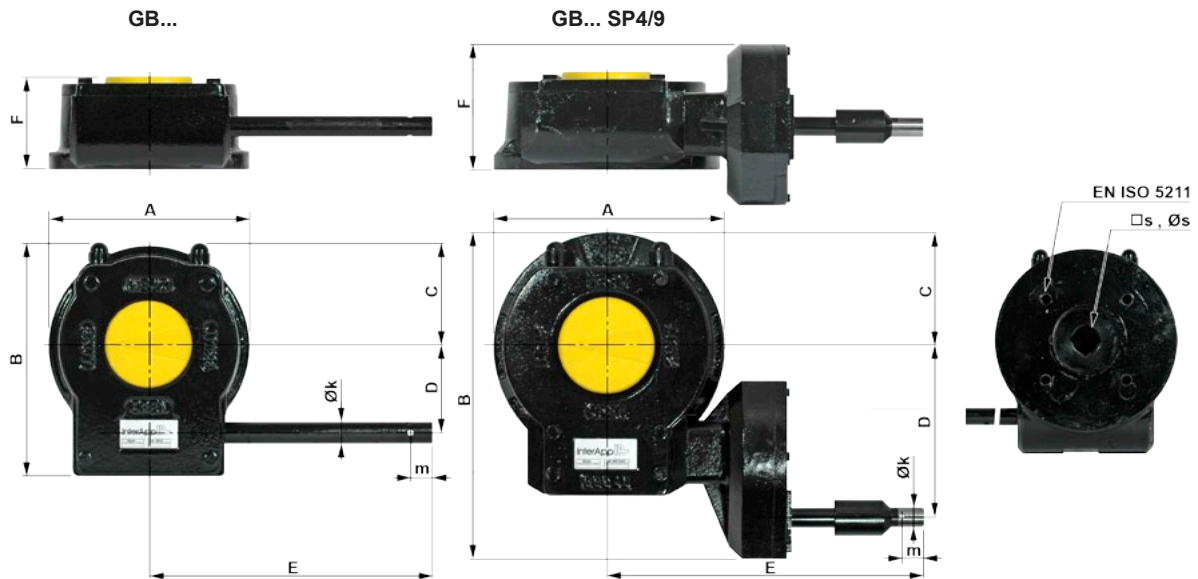


Type code

GB1950N	F14	45	500
1	2	3	4

1 Actuator size	GB...N	Protection class IP67
	GB...G	Protection class IP68
2 Mounting face for valve	F05 - F40	according to EN ISO5211
3 Shaft connection	[mm]	Dimension of shaft connection
4 Handwheel diameter	[mm]	

Dimensions



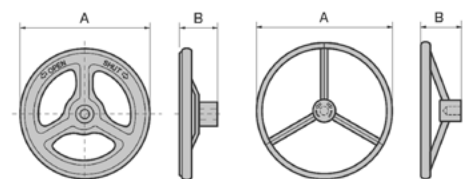
	EN ISO5211	□s max.	Øs max.	Md max[Nm]	A	B	C	D	E	F	Øk	m	n*	[kg]
GB150N	F05-F07	14	15	135	80	124	58	42,5	100	52	12	14	10	2,2
GB210N	F05, F07, F10	24	30	330	102	127,5	47,5	52	159	62,5	15	14	9,25	3,5
GB215N	F07-F10	24	30	500	125	143	42,5	52	159	64	15	14	9,25	3,5
GB550N	F07, F10, F12	38	45	1000	138	188	83	71	201	89	20	24	8,5	8,5
GB880N	F10, F12, F14, F16	46	55	2000	200	227	101	86	189	92	20	24	9,5	14
GB1250N	F10, F12, F14, F16	50	65	3250	220	258	110	104,5	230	101	20	24	13,75	22
GB1950N	F12, F14, F16, F25	60	80	5500	285	323	142,5	130	275	123	25	28	13	32
GB1950N/HR	F12, F14, F16, F25	60	80	4500	285	323	142,5	130	275	123	25	28	21	32
GB1950N/SP4	F12, F14, F16, F25	60	80	6800	285	403	142,5	211	335	155	25	28	52	45
GB6800N	F16, F25, F30	75	100	8400	370	402	170	182	300	160	25	28	19,5	56
GB6800N/SP4	F16, F25, F30	75	100	12500	370	482	170	263	388	159	25	28	79,25	70
GB6800N/SP9	F16, F25, F30	75	100	17000	370	584	170	357	466	148	30	20	176	100
GBA250G/SP9	F25, F30, F35, F40	100	150	32000	510	725	235	256	499	175	30	20	176	225

* n = Handwheel turns ON/OFF

Torque (handwheel force 400N):

	Handwheel diameter								
	100	160	250	300	400	500	600	700	800
GB150N	135	135							
GB210N		330	330						
GB215N		371	500						
GB550N			600	720	960	1000			
GB880N					1056	1320	1584	1848	2000
GB1250N					1520	1900	2280	2660	3040
GB1950N					1520	1900	2280	2660	3040
GB1950N/HR					2264	2830	3396	3962	4500
GB1950N/SP4					4352	5440	6528	6800	
GB6800N					2200	2750	3300	3850	4400
GB6800N/SP4					7488	9360	11232	12500	
GB6800N/SP9					14800	17000			
GBA250G/SP9					18000	22500	27000	31500	32000

Handwheel:



	ØA	B		ØA	B
PS 100	100	35	SG 300	300	115
PS 160	160	48	SG 400	400	130
PS 250	250	63	SG 500	500	150
			SG 600	600	150
			SG 700	700	150
			SG 800	800	150

Maintenance:

The actuators are factory lubricated for the life of the actuator under normal working conditions. The standard lubricant is suitable for use from - 20°C to + 120°C. The actuator should always be stored free from dust and humidity.

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