

SCHIEBEL

cm/ab series

issue Februar 2023

Parttum Gearboxes

**Modulating-Duty / On-Off-Duty
up to 300.000 Nm**



Planetary Gearboxes

Mode of operation

■ S2-20min(On/Off) & Class A and B or S4-1200 cycles/h with 40% duty cycle and Class C

Ambient temperatur

■ -40°C up to +85°C

Protection enclosure

■ IP67 according EN 60 529 and IEC529

Corrosion protection

■ K2 (C2) for installation in aggressive atmosphere, C3 up to C5 on request

Colour

■ RAL7024 with CM-series & RAL7030 with AB-series actuator

End stop

■ QT12.V2 | QT25 | QT50:

Mechanical endstops at 95° in Open & Close position

■ QTM12.V2 | QTM25 | QTM50:

Planetary gearbox without mechanical end stops

■ QTP12.V2 | QTP25 | QTP50:

Mechanical endstops at 185° in Open & Close position

Valve connection

■ Flange according to ISO5211

■ Plug-in coupling with bore and keyway or square

Worm Gearboxes

Mode of operation

■ S2-20min(On/Off) & Class A and B or S4-1200 cycles/h with 40% duty cycle and Class C

Rotation

■ Clockwise insert rotation by clockwise rotation of input shaft

Self-locking

■ Self-locking gearbox with single worm

Ambient temperature

■ -40°C up to +150°C, various versions available

Protection enclosure

■ IP67 according EN 60 529 and IEC529

Corrosion protection

■ K2 (C2) for installation in aggressive atmosphere, C3 up to C5 on request

Colour

■ RAL7024 with CM-series & RAL7030 with AB-series actuator

Position indicator

■ Mechanical position indicator on gearbox

End stop

■ Stop screws for easy adjustment of the swivel angle for 0° and 90° +/- 5°.

Valve connection

■ Flange according to ISO5211

■ Plug-in coupling with bore and keyway or square

Modulating-Duty / On-Off-Duty up to 300.000 Nm

Planetary Gearboxes QT-series

Type	max. allowed output torque	max. torque S4-duty	Gearbox ratio	Mechanical advantage	Input flange for actuator	Valve output flange	max. shaft-Ø valve	max. valve square	Max. height valve shaft	Weight approx.	Suitable actuator size
	Nm	Nm	--	--	ISO 5211	ISO 5211	mm	mm	mm	kg	
QT12.V2 QTM12.V2 / QTP12.V2	120	60	4,88	4,16	F10	F05 F07 / F10	20	17	30	3,2	CM03 / AB3
QT25 QTM25 / QTP25	250	125	9	7,92	F10	F07 F10	25	22	41	4,8	CM03 / CM06 AB3 / AB5
QT50 QTM50 / QTP50	500	250	9	7,92	F10	F10 F12	40	32	46	8,9	CM06 / AB5

Worm Gearboxes SBWG-Series

Type	max. allowed gearbox output torque	max. torque S4-duty	Gearbox ratio	Mechanical advantage	Valve output flange	max. shaft-Ø valve	max. valve square	Max. height valve shaft	Weight	Suitable actuator size
	Nm	Nm	--	--	ISO 5211	mm	mm	mm	kg	--
SBWG-BF M	360	180/174	32	11,6	F07	20	17	76	4	CM03 CM06 AB3 AB5
SBWG-0 M	780	390	36	13,4	F07/F10	28	22	77	6	CM03 CM06 AB3 AB5
SBWG-00 M	1200	600	40	14,1	F10/F12	36	28	86	10	CM06 CM12 AB5 AB8
SBWG-01 M	1812	906	44	15,1	F10/F12/F14	46	35	96	13	CM12 AB8
SBWG-02 M	2800	1400	48	15,9	F12/F14/F16	60	46	109	21	CM12 AB8 AB18
SBWG-02-1S M	2800	1400	121,6	37,1	F12 & F16 F14	60	46	109	25	CM06 CM12 AB5 AB8
SBWG-03 M	4300	2150	52	16,9	F14/F16	75	58	116	29	AB18 AB40
SBWG-03-1S M	4300	2150	131,7	39,5	F14 F16	75	58	116	33	CM12 AB8
SBWG-04 M	10400	5200	56	18,3	F16/F25	95	73	147	56	AB18 AB40 AB80
SBWG-04-1S M	6048	3024	168	50,4	F16 & F25	95	73	147	66	CM12 AB8
	10400	5200	168	50,4	F16/F25	95	73	147	66	AB18
SBWG-05 M	15900	7950	60	19,6	F25/F30	115	89	155	78	AB80 AB100
SBWG-05-1S M	15900	7950	180	54,0	F25 & F30	115	89	155	88	AB18 AB40
SBWG-05-1SD M	15900	7950	540	149,0	F25 & F30	115	89	155	93	CM06 CM12 AB5 AB8
SBWG-06-1S M	32800	16400	256	74,2	F25 & F30	140	108	200	175	AB18 AB40
SBWG-06-1S M	32800	16400	256	74,2	F35	140	108	200	175	AB18 AB40 AB80
SBWG-06-1SD M	32748	16374	1024	272,9	F25 & F30	140	108	200	188	CM06 CM12 AB5 AB8
SBWG-06-1SD M	32748	16374	1024	272,9	F35	140	108	200	188	CM06 CM12 AB5 AB8
SBWG-07-1S M	51100	25550	272	80,9	F30/F35/F40	180	139	227	271	AB40 AB80
SBWG-07-1SD M	51100	25550	1088	297,9	F30/F35/F40	180	139	227	284	CM12 AB8 AB18
SBWG-75-1S M	81500	40750	330	106,1	F35/F40/F48	210	160	246	422	AB40 AB80
SBWG-75-1SD M	81500	40750	1650	488,2	F35/F40/F48	210	160	246	450	CM12 AB8 AB18