

TECHNICAL DATA SHEET FOR ABG.2 BEVEL GEARBOX AND PRIMARY REDUCTION GEARBOX

ABG10.2 –ABG35.2
ABG25.2 –ABG35.2/GZ

Application

Manual and Motor operation of valves (eg. Gate valve).

For special applications, please consult AUMA.

Bevel gearboxes ABG10.2- ABG35.2 and Bevel gearboxes ABG25.2- ABG35.2 with primary reduction gearing GZ14- GZ16

Valve			Gearboxes											
Max permissible Valve torque in Nm upto	Valve attachment		Gearbox size	Suitable primary reduction gearing			Factor ²⁾ /Mech. advantage	Thrust permissible for A type kN	Input Shaft Ø mm	Max. Input Torque ¹⁾ In Nm	Std Handwheel ⁴⁾ Ø mm	Weight in KG ³⁾ ABG.2/ ABG.2+GZ		
	Flange acc. to EN ISO 5211	Max. Stem diameter in mm		Type	ABG	GZ							ABG+GZ	
375	F14	40	ABG10.2	-	3:1	-	-	2.7	80	20	139	250/350	12	
750	F16/F14'	50	ABG14.2	-	4:1	-	-	3.6	160	30	208	350/400	20	
1500	F25/F16*	60	ABG16.2	-	4:1	-	-	3.6	200	30	417	400/640	35	
2500	F30/F25'	74	ABG25.2	GZ14	-	6:1	-	6:1	5.4	320	30	463	500/640	62
					6:1	4:1	24:1	18.7	30/(20)		134	350	83	
					6:1	8:1	48:1	36.8	20		68	250		
5000	F35/F30'	100	ABG30.2	GZ14	-	8:1	-	8:1	7.2	450	30	694	640/800	95
					8:1	4:1	32:1	24.5	30/(20)		204	350/400	116	
					8:1	8:1	64:1	49	20		102	250/350		
					GZ16	8:1	4:1	32:1	24.7		30	202	350/400	125
						8:1	8:1	64:1	49		30/(20)	102	250/350	
					8:1	16:1	128:1	98	20		51	250/350		
8000	F35	110	ABG35.2	GZ16	-	8:1	-	8:1	7.2	820	40	1111	800	143
					8:1	4:1	32:1	24.5	30		327	500	173	
					8:1	8:1	64:1	49	30/(20)		163	350		
					8:1	16:1	128:1	98	20		82	250		

Gearbox size	Primary reduction gearing	Reduction ratio	Multi-turn Actuator	Flange or mounting of actuator		Max Weight in KG ⁶⁾ ABG.2+GZ +SA(norm)	Output drive type
	Type		Actuator for maximum input torque	EN ISO 5210	DIN 3210		
ABG10.2	-	3:1	SA15	F10	G0	45	A Type
ABG14.2	-	4:1	SA25	F14	G1/2	107	
ABG16.2	-	4:1	SA50	F14	G1/2	134	
ABG25.2	-	-	SA50 / SA60	F14	G1/2	161	
	GZ14	4:1	SA15	F10	G0	116	
		8:1	SA12	F10	G0	116	
ABG30.2	-	-	SA60 ⁵⁾ / SA100	F14/F16	G1/2/G3	194/226	
	GZ14	4:1	SA25	F14	G1/2	187	
		8:1	SA12	F10	G0	149	
	GZ16	4:1	SA25	F14	G1/2	196	
		8:1	SA12	F10	G0	158	
16:1	SA6	F10	G0	158			
ABG35.2	-	-	SA100	F16	G3	274	
	GZ16	4:1	SA50	F14	G1/2	272	
		8:1	SA25	F14	G1/2	244	
		16:1	SA12	F10	G0	206	

*Option- Can be provided on request

- At max output torque.
- Conversion factor Output torque: Input Torque.
- Gear box without hand wheel and actuator mounting flange.
- Observing the permissible effort at hand wheel.
- Depending on required gearbox output torque.
- Considered with AUMA NORM actuator with 3-Phase AC motor, standard electrical connection, E type output and hand wheel.

Note: For Special Purpose, Thrust & Stem DIA Acceptance, Please Contact AUMA India

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

BEVEL GEARBOX**ABG10.2 – ABG35.2****Features and functions**

Type of duty	Short time duty S2-15 min (OPEN -CLOSE Duty)
Direction of rotation	Clockwise rotation at input shaft results in clockwise rotation at output drives
Input shaft	Cylindrical with parallel key according to IS 2048

Operation

Motor operation	With electric multi-turn actuator
	Flanges for mounting of multi-turn actuator as per standard ENISO5210/DIN3210
Manual operation	Via hand wheel
	Available hand wheel diameters, selection according to the max. output torque

Valve attachment

Valve attachment	Dimensions according to EN ISO 5210
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Service conditions

Mounting position	Any position	
Enclosure protection according to IS/IEC 60529	Standard	IP67 - Dust proof & water tight
	Option	IP68 - Enclosure can be provided on request
Corrosion protection	Standard	Suitable for installation in industrial units, in water or power plants with a low pollutant concentration
	Option	Others on request
Paint	Standard	Powder coating as primer + Epoxy finish paint
	Option	Other paints on request
Colour	Standard	Smoke grey Code 692 as per IS:5
	Option	Other colours on request
Ambient Temperature	Standard	-20 °C to +80 °C
	Option	Other temperature requirements on request.