

## Technical data Multi-turn gearboxes

Type	Output torque	Reduction ratio	Input torque <sup>1)</sup>	Valve attachment	Factor <sup>2)</sup>	Input shaft	Weight <sup>3)</sup>	
	Max. [Nm]			Standard EN ISO 5210		Standard [Ø]	Gearbox approx. [kg]	Valve attachment approx. [kg]
GHT 360.2	80,000	12:1	8,330	F40 (F48) <sup>4)</sup> (F60) <sup>4)6)</sup>	9.6	95	965	150 180 230

Possible combinations with multi-turn actuators											
Gearboxes	Mounting flange for actuator		Permissible actuator weight	Suitable AUMA multi-turn actuator for 100 % output torque	Output speed GHT 360.2 in rpm at speed of multi-turn actuator for 50 Hz						
	EN ISO 5210	[kg]			Max. [kg]	22	32	45	63	90	125
GHT 360.2	F30	29	260	SA 30.1	2	2.8	4	5.6	8	11 <sup>6)7)</sup>	16 <sup>6)7)</sup>
	F35	41	430	SA 35.1	2	2.8 <sup>7)</sup>	4 <sup>7)</sup>	5.6 <sup>6)7)</sup>	8 <sup>6)7)</sup>	–	–
	F40	53	530	SA 40.1	2	2.8 <sup>7)</sup>	4 <sup>6)7)</sup>	–	–	–	–

**Use**

For motor operation of gate valves and globe valves.

**Notes on table**

1) Input torque	For maximum output torque
2) Factor	Conversion factor from output torque to input torque for actuator size definition
3) Gearbox weight	Indicated weight includes gearbox without output drive and without input flange
4) Valve attachment dimension	Dimension according to EN ISO 5211
5) AUMA multi-turn actuator	Observe max. output torque of multi-turn actuator
6)	On request
7)	Actuator not self-locking

**Features and functions**

Type of duty	Open-close duty:	Short-time duty S2 - 15 min
Direction of rotation	Standard:	RR = Clockwise rotation at input shaft results in clockwise rotation at output shaft
	Option:	LL = Clockwise rotation at input shaft results in counterclockwise rotation at output shaft
Housing material	Spheroidal cast iron (GJL-400-15)	
Self-locking	Not self-locking	
Input shaft	D = 95 mm: Cylindrical with parallel key according to DIN 6885.1	
Valve attachment	Standard:	C: Dog coupling
	Options:	A: Stem nut F40/F48/F60
		B2: Output drive plug sleeve F40/F48/F60 AF: Spring-loaded stem nut F40/F48/F60

**Operation**

Motor operation	Directly via electric multi-turn actuator Mounting flanges for multi-turn actuator, refer to table
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**Service conditions**

Ambient temperature	Standard:	–40 °C to +80 °C
	Option:	–60 °C to +60 °C
Enclosure protection according to EN 60529	IP67	

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Corrosion protection	Standard:	KN	Suitable for installation in industrial units, in water or power plants with a low pollutant concentration
	Options:	KS	Suitable for installation in industrial units, in water or power plants with a low pollutant concentration as well as for installation in occasionally or permanently aggressive atmospheres with a moderate pollutant concentration (e.g. wastewater treatments plants, chemical industry)
		KX	Suitable for installation in extremely aggressive atmospheres with high humidity and high pollutant concentration
Paint	Two-component iron-mica combination		
Colour	Standard:	Primer coating:	
	Options:	AUMA silver-grey (similar RAL 7037) Other colours are possible on request.	
Lifetime	Open-close duty: Operations (OPEN - CLOSE - OPEN) with 30 turns per stroke 5,000 operations		
Accessories	Per order:	4 M36 eyebolts for transport	

### Further information

Reference documents	Dimension drawing Multi-turn gearboxes GHT 360.2 Operation instructions Multi-turn gearboxes GHT 360.2		
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