

Technical Data sheet for Multi-turn Bevel Gearboxes

BEVEL GEARBOX TECHNICAL DATA							GK 40.1				
Type	Output torque Nominal torque max. Nm	Thrust permissible for type A max kN	Reduction ratio	Input torque ¹⁾ Nominal torque Nm	Valve attachment		Factor ²⁾	Input shaft ∅		Hand-Wheel max ∅ mm	Weight ³⁾ approx. kg
					Standard ISO 5210	Option DIN 3210		Standard	Option		
GK 40.1	16000	1375	16:1	1111	F40	G7 ⁴⁾	14.4	40	-	800	250
			22:1	808			19.8				

Possible combinations with multi-turn actuators

Gearbox Type	Mounting flange for actuator		Permissible actuator weight max. kg	Suitable Auma Multi-turn actuator ⁵⁾ Type
	Standard ISO 5210	Option DIN 3210		
GK 40.1	F16/F25	G3/G4	107/300	SA100/SA25.1
	F16	G3	107	SA100

Application

Manual operation and motor operation of valves (e.g. gate valves and globe valves)

Features and functions

Type of duty	Short-time duty S2-15 min. (open-close duty)
Direction of rotation	Standard: Clockwise rotation at input shaft results in clockwise rotation at output shaft Option: Alternative direction of rotation counterclockwise possible
Stages	Double stage
Input shaft	Cylindrical with parallel key according to IS 2048

Operation

Motor operation	With electric multi-turn actuator, directly Flanges for mounting of multi-turn actuator
Manual operation	Standard: Via hand wheel, directly

Valve attachment

Output drive forms	A type according to ISO 5210 (Other types of output drives shall be offered on request)
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Service conditions

Enclosure protection according to IS/IEC 60529	Standard: IP 67 Option: IP 68
Corrosion protection	Standard: Suitable for installation in industrial units, In water or power plants with a low pollutant concentration
Paint	Standard: Epoxy primer + Epoxy finish paint Option: Other paints on request
Colour	Standard: D.A. Grey Code 632 as per IS: 5 Option: Other colours on request
Ambient temperature	Standard: - 20 °C to + 80 °C Option: Others temperature requirements on request

Other information

Reference documents	Product description Bevel Gearbox GK 40.1 Dimension sheet GK 40.1 Technical data SA
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- 1) At max. Output torque
- 2) Conversion factor output torque to input torque to determine the actuator size
- 3) Gearbox without output shaft and without mounting flange for actuator
- 4) Without spigot
- 5) Standard flange according to ISO 5210

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