

**TECHNICAL DATA  
CENTORK MULTI-TURN GEARBOXES**

**510 SERIES**

CENTORK Gearboxes	Type	510-011	510-012	510-025	510-050	510-100	510-200
Max. Output torque (mot.)	Nm	120	120	250	500	1000	2000
Max. Output torque (man.)	Nm	150	150	400	800	1400	2800
Max. Thrust (Output type A)	KN	70	70	160	160	250	380
Ratio		4:1	2:1 / 4:1	2:1 / 4:1	2:1 / 4:1	2:1 / 4:1	4:1 / 8:1
Input torque (3)	Nm	33	67 / 33	138 / 69	276 / 138	552 / 276	550 / 276
Torque factor (4)		3,6	1,8 / 3,6	1,8 / 3,6	1,8 / 3,6	1,8 / 3,6	3,6 / 7,2
Output flange	ISO5210	F10	F07 / F10	F14	F14	F16	F25
Máx.Stem diameter (Output type A)	mm	40	26/40	57	57	75	86
Input shaft diameter (Standard)	mm	20	20	20/30	20/30	30	30
Input shaft diameter (Special)	mm	-	-	20/30	20/30	-	-
Handwheel diameter (recomm.)	mm	200	200	400	400	-	-
Weight (1)	Kg		14	17,5	18,5	30,5	60,9
Actuator flange	ISO5210	F10	Special	F14 (F10)	F14 (F10)	F14	F14
Max. Weight of the actuator			31,2	51,8	51,8	51,8	51,8
Suitable CENTORK actuator				400-012//400-006	400-025//400-012	401-050//401-025	401-050//401-025
Mechanical life	Cycles (2)	20000	20000	20000	20000	20000	20000

**Centork Multi-turn Gearboxes**

- For the operation of Multi-turn Valves (globe, gate, knife-gate, penstocks).
- Short-time duty (S2 - 15 Min.).
- Drive can be either :
  - By manual handwheel.
  - By electric Multi-turn actuator.
- Clockwise rotation at input shaft results in clockwise rotation in output shaft.
- Operating temperature : - 20° + 80 °C.
- Enclosure : IP67 s/EN 60529
- Centork CK Epoxy finish.
- Standardised output and input flanges (to ISO 5210).
- Ready to receive mounting flange for Multi-turn actuator.

- (1) Weight of the Gearbox with type B1 output and input flange.
- (2) Operation Close-Open with 100 turns/stroke.
- (3) For max. output torque.
- (4) Conversion factor Output torque/ Input torque

Subject to change without notice. Previous data sheets invalid with the issue of the latest data sheets.

VALVE  
CONTROL



Nº :  
**F1510B010**

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