

GEARBOX

AL 762

Description

AL 762 is a robust quarter turn gearbox with cast iron housing, high performance bearing and powder coated finish. AL 762 is intended for the operation of ball, plug and butterfly valves as well as power and process dampers.

Technical data

- Protection class IP 68
- Temperature range -25°C - +110 °C
- Stroke -5° to 95°
- Stainless steel inputshaft
- Stainless steel fasteners
- Standardised according to DIN / ISO 5211
- Axial needle bearings
- Sealed position indicator
- Polyurethane coated finish
- Insert bush system for flexibility and reduced lead times (interchangeable with X-series gearboxes)
- Blind tapped PCD's

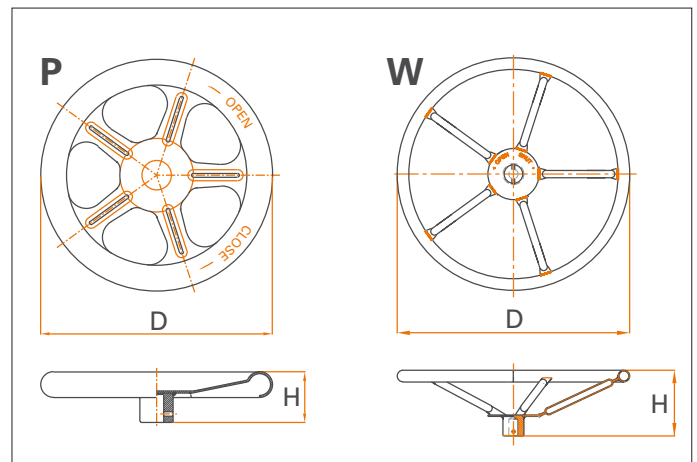
Type	Ratio	Torque (Nm)		M.A. +/- 10%	Weight, kg
		Output	Input		
Q-200 S	40:1	200	16,8	11,9	2
Q-400 S	44:1	400	32,3	12,8	3,9
Q-800 S	40:1	800	60	13,3	7,7
Q-1500 S	42:1	1500	123	12,2	13,5
Q-2000 S	48:1	2000	131	15,3	14,6
Q-3000 S	62:1	3000	167	17,9	22,8
Q-4000 S	72:1	4000	185	21,6	31,5
Q-6500 S	267:1	6500	95	68,4	37,5
Q-12000 S	267:1	12000	168,5	71,2	56,7
Q-16000 S	648:1	16000	120	133,3	62,5
Q-24000 S	720:1	24000	140	171,4	192
Q-32000 S	960:1	32000	140	228,6	195
Q-50000 S	960:1	50000	150	333,3	352
Q-70000 S	1280:1	70000	185	378,4	352

Optional

Several options such as padlocking devices, memory stops and switch-boxes can be easily mounted on site without any machining, due to the integration of all necessary connections on the housing.



Handwheel



P-series

Type	D	H
P100	Ø 100	38
P125	Ø 125	42
P160	Ø 160	48
P200	Ø 200	53

W-series

Type	Ø D	H
W125	125	50,5
W160	160	58
W200	200	67,5
W250	250	73
W300	300	102
W400	400	122
W500	500	141
W600	600	157
W700	700	180

How to size the diameter of the handwheel:

1. Get the output torque required

$$\text{Handwheel diameter} = \left(\frac{\text{Output required}}{\text{M.A.}} \right) \times 5^*$$

2. Select the handwheel diameter

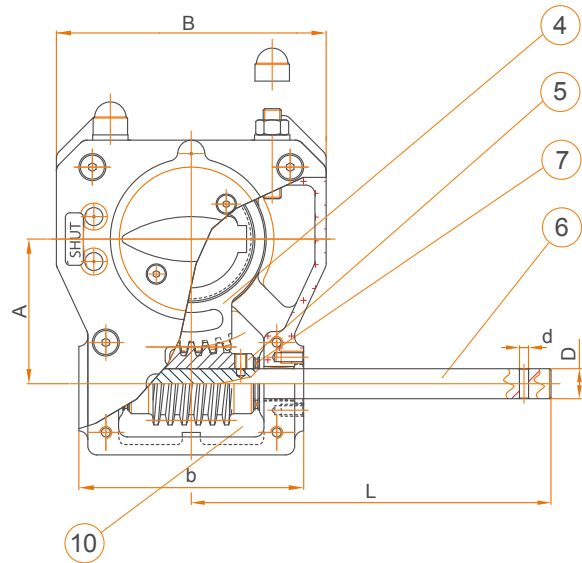
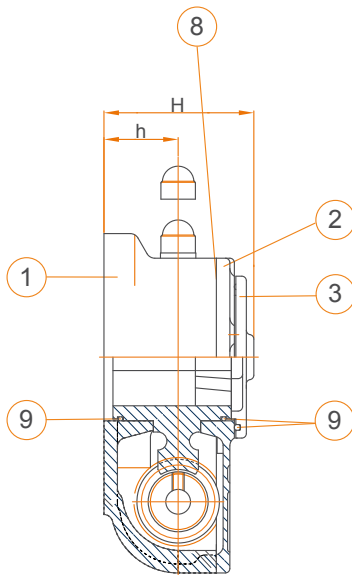
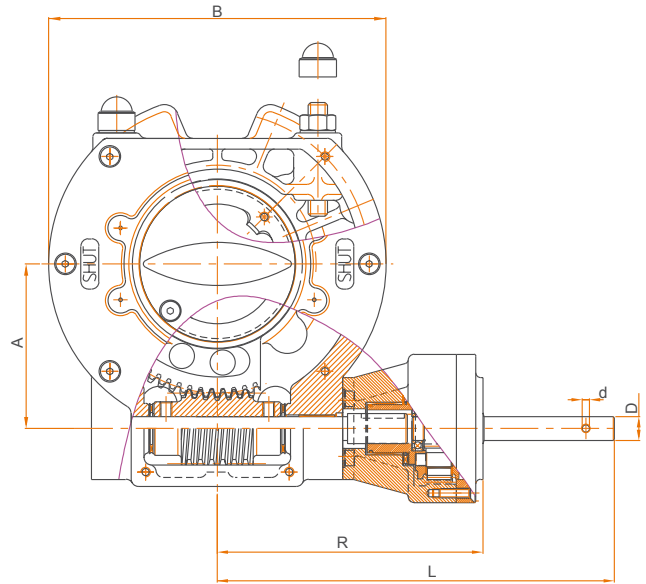
* RIM pull 400 Nm

GEARBOX

AL 762

Material specifications

No	Part	Material
1	Body	Cast iron / Ductile iron GG 25/ASTM A48
2	Coverplate	Cast iron GG 25/ASTM A48
3	Position indicator	Cast iron GG 25/ASTM A48
4	Qadrant	Ductile iron GGG 40 / ASTM A356
5	Worm	Carbon steel C45-K
6	Shaft	Stainless steel
7	Axial needle bearing	
8	Gasket	Nitrile / Silicone NBR-70° shore
9	O-rings	Nitrile / Silicone NBR-70° shore
10	Grease	Complex EP-0 DIN KGOG0.5N-30 ISO-L-XCDIB0.5
11	Fasteners	Stainless steel



Dimensions

Type	A	b	B	d	D	h	H	L	R	Valve connection ISO 521 I			
Q-200 S	43,5	70	84	4	12	28,5	64	118	-	50 (F05)	70 (F07)	-	-
Q-400 S	52,5	91	112	4	12	34	74,8	175	-	70 (F07)	102 (F10)	-	-
Q-800 S	68,8	110	135	5	15	42,5	90,5	225	-	102 (F10)	125 (F12)	140 (F14)	-
Q-1500 S	84	129	156	6	20	45	97	214	-	102 (F10)	125 (F12)	140 (F14)	-
Q-2000 S	96,5	150	180	6	20	50	100	240	-	102 (F10)	125 (F12)	-	-
Q-3000 S	117,5	201	250	6	20	48,5	117,5	255	-	140 (F14)	165 (F16)	-	-
Q-4000 S	137,5	210	282	6	20	54,5	128	300	-	165 (F16)	254 (F25)	-	-
Q-6500 S	137,5	210	282	6	20	54,5	128	347	222	165 (F16)	254 (F25)	-	-
Q-12000 S	180	272	366	6	20	63,5	135	378	282	254 (F25)	298 (F30)	-	-
Q-16000 S	180	272	366	8	25	63,5	135	403	326	254 (F25)	298 (F30)	-	-
Q-24000 S	252,2	350	510	8	25	85	186	442	365	254 (F25)	298 (F30)	356 (F35)	406 (F40)
Q-32000 S	252,2	350	510	8	25	85	186	442	365	254 (F25)	298 (F30)	356 (F35)	406 (F40)
Q-50000 S	291,5	540	612	key 8 mm	25	138	262,5	612	502	356 (F35)	406 (F40)	483 (F48)	-
Q-70000 S	291,5	540	612	key 8 mm	25	138	262,5	612	502	356 (F35)	406 (F40)	483 (F48)	-



Telephone +46 10 455 97 00 • sales@axel-larsson.se • www.axel-larsson.se

STOCKHOLM | GÖTEBORG | MOTALA | FALUN | UMEÅ

Head Office: Truckvägen 12, P.O. Box 805, SE-194 28 Upplands Väsby (Stockholm), Sweden.