

HG

Entwickelt für die manuelle Betätigung von pneumatisch automatisierten Armaturen in Industrieanlagen.

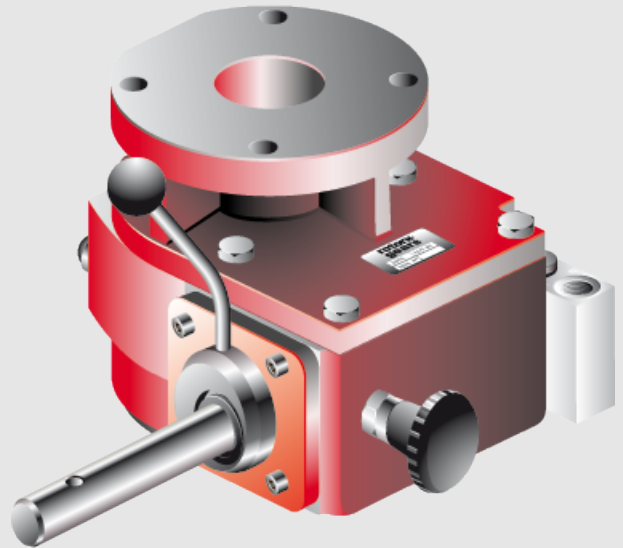
Zur Handnotbetätigung von doppelwirkenden pneumatischen Schwenkantrieben.

Lange Lebensdauer, IP65, Abtriebsritzel aus Edelstahl.

The HG Gears operators are designed to provide a means of manually overriding pneumatic valve actuators in power and process applications.

These gear operators employ a declutchable design for use with double acting actuators.

To ensure long life, the housing is sealed to IP65 and the inputshaft is made from Stainless Steel.



TECHNISCHE DATEN

Wirkbereich: 0 - 90°, +/-5° justierbar
Schutzart: IP65
Anzahl der Baugrößen: 6
Drehmoment: 250 bis 7450 Nm (2210 bis 65560 lbf.in)
Temperatur: -20° bis 120°C (-4 bis +250°F)
Flansch: Integrierter Flansch

WERKSTOFFE

Gehäuse: Guss
Ritzel: Edelstahl
Getriebe: Stahl
Endlagenjustage: Stahl
Oberflächenbeschichtung: Polyurethan

OPTION

Optional ist der Anbau eines 3/2-Wege-Entlüftungsventils zur automatischen Entlüftung des Schwenkantriebes bei Handbetätigung möglich.

TECHNICAL DATA

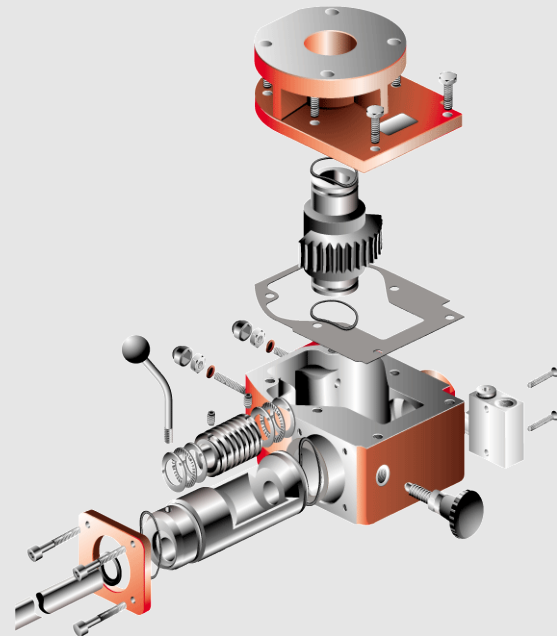
Stroke: 0 - 90°, +/-5° adjustable
Protection: Sealed to IP65
No. of Models: 6
Torque Range: 250 to 7450 Nm (2210 to 65560 lbf.in)
Flange: Integral top flange

MATERIALS

Housing: Cast iron
Input shaft: Stainless Steel
Gear segment: Ductile iron
Sorke Adjusters: Steel
Coating: Polyurethane

OPTION

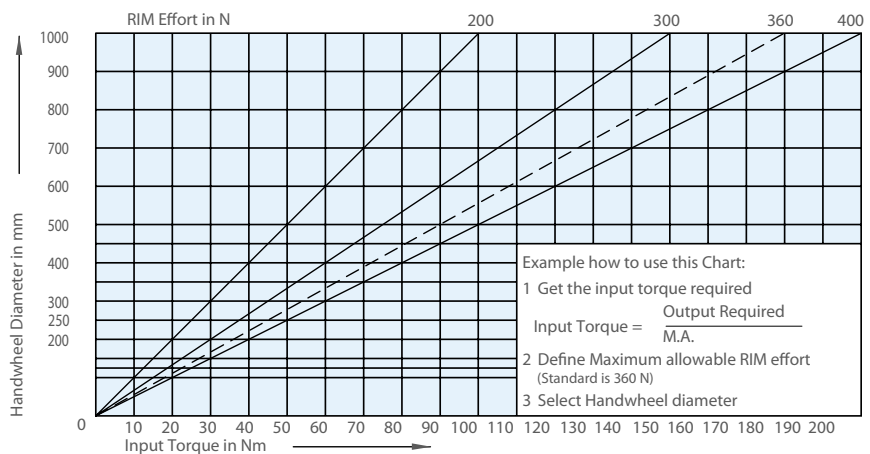
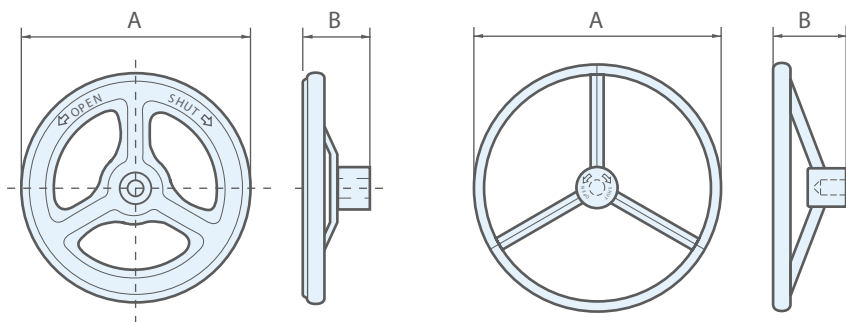
As an option, a 3/2 spool valve can be fitted to automatically evacuate air from actuator when manual override lever is engaged.

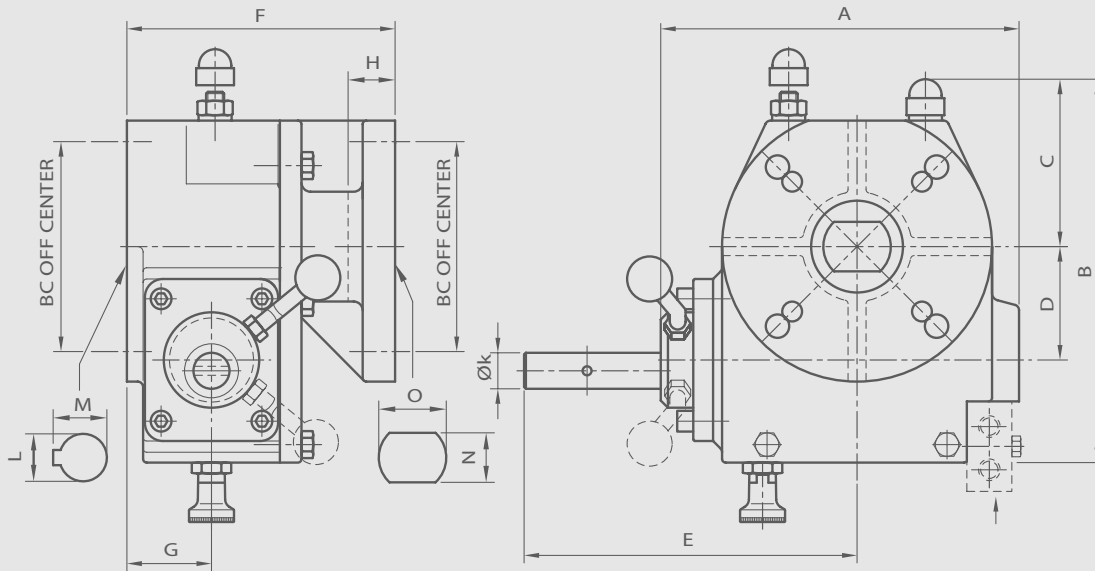


Input Torque	
Type	M.A. ± 10%
HG 200	9.5
HG 600	12.4
HG 900	11.6
HG 1500	15.4
HG 2400	18.0
HG 5000	28.0

Type	A	B
HGBR010	ø100	38
HGBR125	ø125	42
HGBR160	ø160	48
HGBR200	ø200	53
HGBR250	ø250	66
HGBR315	ø315	68
HGBR400	ø400	92

Type	A	B
HGS200	ø200	80
HGS250	ø250	110
HGS300	ø300	115
HGS400	ø400	130
HGS500	ø500	150
HGS600	ø600	150
HGS700	ø700	150
HGS800	ø800	150
HGS900	ø900	160
HGS1000	ø1000	160





Type	H	N x O	L	M
ILG/D200	20 (0.79)	DD22x Ø30 (0.87x 1.18)	Ø 31.15(1.23)key 6.35(0.25)pos. C	35.5 (1.40)
ILG/D600	29 (1.14)	DD25x Ø35 (0.98x 1.38)	Ø 45.30(1.78)key 10(0.39)pos. C	48.6 (1.91)
ILG/D900	27 (1.06)	DD35x Ø50 (1.38x 1.97)	Ø 54.00(2.13)key 16(0.63)pos. C	58.3 (2.30)
ILG/D1500	26 (1.02)	DD45x Ø60 (1.77x 2.36)	Ø 60.00(2.36)key 18(0.71)pos. C	64.4 (2.54)
ILG/D2400	32 (1.26)	DD50x Ø75 (1.97x 2.95)	Ø 75.00(2.95)key 22(0.87)pos. C	79.9 (3.15)
ILG/D5000	13 (0.51)	DD60x Ø80 (2.36x 3.15)	Ø 90.00(3.54)key 32(1.26)pos. C	97.4 (3.83)

Type	A	B	C	D	E	F	G	Øk	Valve Connection BC acc. ISO 5211	Actuator conn. BC acc. ISO 5211
ILG/D200	154 (6.06)	150 (5.91)	60 (2.36)	50 (1.97)	158 (6.22)	120(4.72)	40 (1.57)	15 (0.59)	F07	F07
ILG/D600	195 (7.68)	211 (8.31)	91 (3.58)	61 (2.40)	188 (7.40)	143(5.63)	47 (1.85)	15 (0.59)	F07/F10/F12	F10/F12
ILG/D900	222 (8.74)	248 (9.76)	105 (4.13)	85 (3.35)	189 (7.44)	160(6.30)	48 (1.89)	20 (0.79)	F10/F12/F14	F10/F12/F14
ILG/D1500	250 (9.84)	289(11.38)	121 (4.76)	108 (4.23)	233 (9.17)	172(6.77)	51 (2.01)	20 (0.79)	F10/F12/F14/F16	F12/F14/F16
ILG/D2400	290(11.72)	330(12.99)	126 (4.96)	127 (5.00)	244 (9.61)	190(7.48)	61 (2.40)	25 (0.98)	F12/F14/F16	F14/F16
ILG/D5000	340(13.39)	384(15.12)	148 (5.83)	155 (6.10)	275(10.83)	205(8.07)	70 (2.76)	25 (0.98)	F16/F25	F16/F25

Type	Max. bore for insert	Max. bore for quadrant		Max. stem height
ILG/D200	Ø20 (0.79) □17 (0.67)	not	not	47 (1.85)
ILG/D600	Ø30 (1.18) □24 (0.94)	not	not	58 (2.28)
ILG/D900	Ø40 (1.57) □32 (1.26)	Ø54 (2.13)	□42(1.65)	66 (2.60)
ILG/D1500	Ø44 (1.73) □36 (1.42)	Ø60 (2.36)	□48(1.89)	71 (2.80)
ILG/D2400	Ø58 (2.28) □46 (1.81)	Ø73 (2.87)	□59(2.32)	92 (3.62)
ILG/D5000	Ø70 (2.76) □55 (2.17)	Ø90 (3.54)	□73(2.87)	113(4.45)

Type	Ratio	Torque Nm (lb. inch)		M.A ± 10%	Weight Kg. (Lb.)
		Output	Input		
ILG/D200	35:1	250(2210)	26(230)	9.5	8.5 (18.7)
ILG/D600	46:1	750(6640)	60(530)	12.4	17 (37.4)
ILG/D900	43:1	1450(1105)	125(1108)	11.6	21 (46.2)
ILG/D1500	57:1	2485(22000)	160(1420)	15.4	34 (74.8)
ILG/D2400	68:1	3390(30000)	188(1665)	18.0	54 (118.8)
ILG/D5000	104:1	7450(66000)	266(2355)	28.0	80 (176.0)