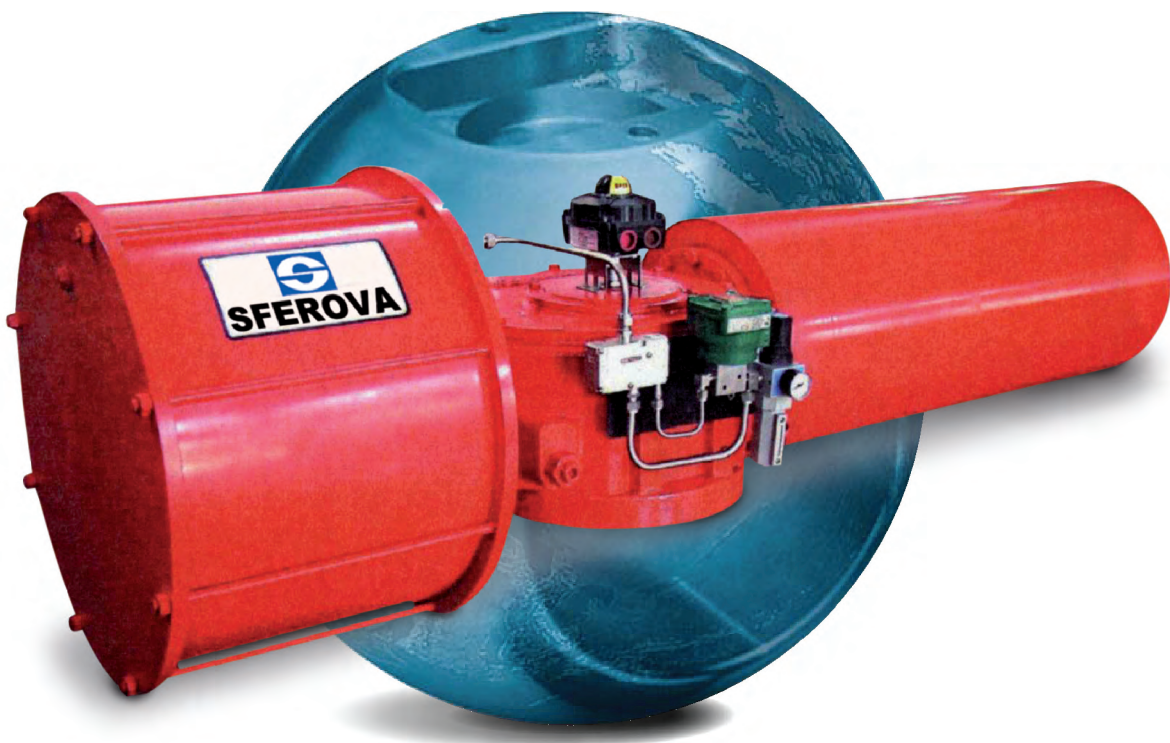


SFEROVA

G Type Range Actuators



Heavy Duty Scotch Yoke Pneumatic & Hydraulic Actuators



Head Office and Factory:

Sferova s.r.l
Via delle Industrie, 30/32 I-20050 Sulbiate (MI)-Italy
Tel. +39 039 6079599 | Fax. +39 039 6079582
www.sferova.com | info@sferova.com



Company Profile & Quality

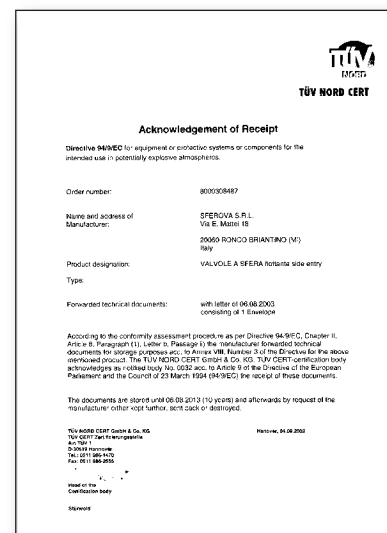
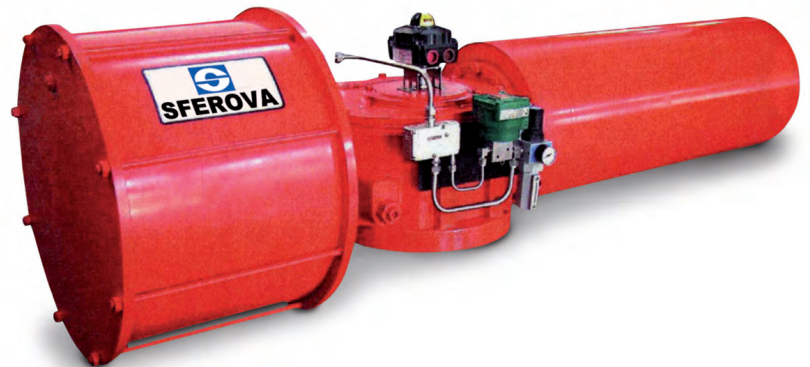
Inspired by the mission of offering world-class solutions in the area of fluid handling, a group of skilled people with qualified experience in the design and manufacture of industrial ball valves for markets requiring a premium quality level also produces a range of heavy duty scotch yoke actuators.

Since their establishment in 1972, SFEROVA have always been recognised for their high quality production of industrial ball valves. As a specialist in the field of quarter turn valves our clients also require a dependably rugged valve actuation solution.

SFEROVA have developed and tested the 'G' range of pneumatic and hydraulic actuators for major industries like oil and gas, mining and process control industries where dependability, quality, reliability, durability and ruggedness are of utmost importance.

SFEROVA is located just north of Milan and can draw upon a wealth of highly qualified and experienced personnel. State-of-the-art manufacturing facilities and modern quality management methods are employed in the manufacture of all SFEROVA products which are used in various applications such as Chemical Plants, Petrochemical, both on and offshore and Power Generation.

Each actuator is 100% tested in accordance with international standards and special testing can be performed upon request. SFEROVA actuators are certified to EN 10204.



Model Number System

G Type Actuator



G 3 0 - 5 0 0 - S R 1 T - H W S T C

① ② ③ ④ ⑤ ⑥ ⑦

1	BODY SIZE
G14	
G16	
G25	
G30	
G35	
G40	
G48	
G60	

4	SPRING SIZE
3 = 3 Bar	
4 = 4 Bar	
5 = 5 Bar	
5.5 = 5.5 Bar	
6 = 6 Bar	

6	SPECIAL CODE
H = Jack Screw Manual Over-ride	
EX= Extended Travel Stop	
HY= Hydraulic Over-ride	

2	CYLINDER SIZE
200	
250	
300	
350	
400	
450	
500	
550	
600	
700	
800	
900	
1000	
1100	

5	TEMPERATURE
T = Low Temperature (-45~80°C)	
V = Mid Temperature (Viton)(-29~120°C)	
M = High Temperature (20~120°C)	

7	AIR FAILURE POSITION*
STC = Spring to Close	
STO = Spring to Open	

3	ACTING TYPE
DA = Double Acting	
SR = Single Acting	

*Only applicable to single acting spring return

G Type Valve Actuators

G Type Range Valve Actuators

G Type range of actuators provide a large torque range compact body design. In developing the G Type actuators, Sferova improved a basic concept - the Reaction Bar, by adding our new replaceable bearings, highly efficient wear and corrosion resistant coating system and tension rod compressed spring. This enhanced design greatly improves efficiency, reduces wear and extends the actuator's life. The combining of these technologies, enhancements, and superior quality control techniques produced an assembly which became the heart of our new extended service actuators - the G Type.

Applications

Automation of any quarter-turn mechanism such as Ball, Plug and Butterfly Valves.

Features

Wear Resistance - The G Type tension rod is a high strength alloy steel treated to provide a highly corrosion and wear resistant finish. The superior surface finishes, and self-lubricating bearings maximise the transfer of input energy directly to the valve stem. The tension loaded spring minimises radial loads on the piston rod, further enhancing efficiency.

Service Rated - G Type models are qualified by accelerated wear testing. The actual service life may be predicted based upon specific application parameters and environmental conditions. Proper actuator selection, enhanced by proprietary data analysis methods, allows optimum performance and operating economy

Replaceable Bearings - Low friction, permanently lubricated, high performance bearings protect sliding and rotating components, significantly extending actuator life.

Four Year Warranty - G Type actuators are backed by the industry's strongest materials and workmanship warranty.

Corrosion Resistance - G Type actuators incorporate protective internal and external coatings, assuring the actuator's reliable operation in the harshest of environments. The air cylinder is PTFE lined for further corrosion resistance and also reduce friction. The actuator exhibits excellent corrosion resistance, confirmed by Salt Spray Testing. Construction features prevent water ingress, allowing G Type actuators to meet IP 66 and IP 67M specifications. The cylinder case is PTFE lined for improved corrosion resistance and ease/smoothness of operation.

Safety - The G Type facilitates safe installation and removal of the spring module. It allows for the removal of the spring module in a manner that eliminates accidental release of the spring force.

Interchangeability - The ease of interchanging the power and spring modules allows quick reversal of the "fail-safe" mode, while providing for the addition of over-rides, accessories and other modules.

Design - The G Type modular design features field serviceable modules. The available modules include the drive, power, spring and over-ride. These modules are removable, serviceable and interchangeable without removing the actuator from the valve. This procedure does not require special tools or disassembly of any module. This unique feature reduces required plant shutdown time for service. Modules may be replaced as an assembly or serviced at your maintenance facility.

Modular Inventory - All modules may be purchased separately or in any combination. This features allows reduced parts and spares inventory at the distribution facility, while substantially increasing the availability of different model configurations.

Namur - The shaft driven accessory interface conforms to the NAMUR standard and is identical on all G Type actuators, allowing for standardisation of accessory mounting hardware and installation practices.

MSS and ISO Mounting - The G Type valve interace meets the dimensional requirements of MSS SP-101 or ISO 5211 defined for each torque range.

Compact - The G Type design optimises the centre of gravity location, is significantly lighter, and requires less space than other actuators of equal or lesser torque output.



G Type Range

Advantages

Water Ingress Protected

O-Rings are fitted on body caps and all joints. This ensures an effective seal to prevent ingress of water.

ISO Valve Mounting

The G Type Actuators interface meets ISO standard, and meets the dimensional requirements of ISO defined for each torque range.

Standardised Interface

The shaft driven accessory interface conforms to NAMUR and are identical on all G Type models, allowing standardisation of accessory mounting hardware and installation practices.

Wear Resistant

The guide rod and piston rod have an advanced surface treatment, which combined with self-lubricating bearings, provides superior wear resistance and extends the life of all sliding components.

High Efficiency

The piston rod and guide block connection have superior surface finishes and self-lubricating bearings to maximise input energy transfer directly to the valve stem. Efficiency is further enhanced by the tension - loaded spring, minimising radial loads on the piston rod.

Long Service Life

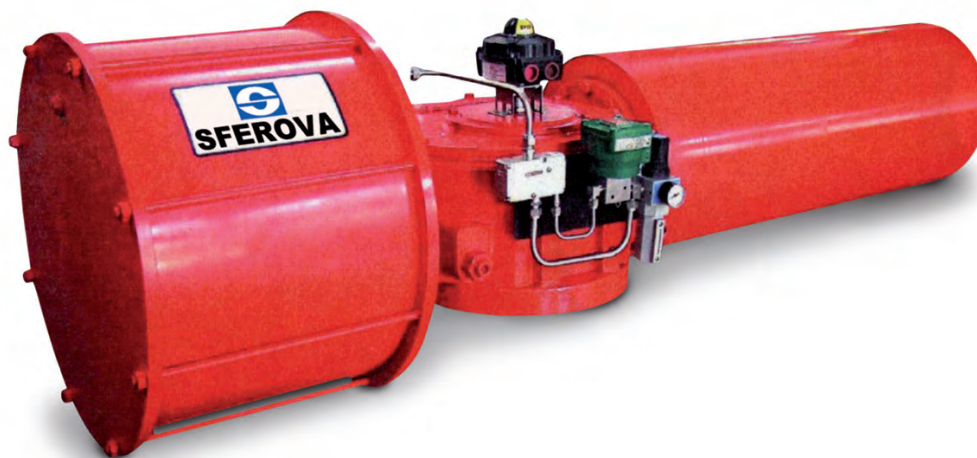
The G Type actuators incorporate four stages of internal and external coatings to resist severe weather, chemical and petroleum environments. The inner surface of the air cylinder is coated with PTFE providing enhanced corrosion resistance and self-lubrication.

Modular Design

G Type actuators design provides field servicable drive, power, spring and over-ride modules. The modules are removable, serviceable and inter-changeable without the need to remove the actuator from the valve. Modules are available for separate purchase to reduce spare parts inventory.

Spring Module

To ensure the safety of personnel during installation and maintenance, the spring module has been designed so that it can only be removed from the power module with the spring in the fully extended position. This prevents accidental release of the spring force, protecting personnel from injury and the actuator from accidental damage.



General Application

Torque Outputs

Double acting: 830~250000 Nm

Spring return end torques: 307~71764 Nm

Operating Temperatures

Standard: -20°C~80°C

Low Temperature: -40°C~80°C

High Temperature: -20°C~120°C

Operating Pressures

Pneumatic: 3~7 Bar

Hydraulic: 100 Bar

G Type Range

Design Features offer Unique Benefits

1. Safe Spring Lock

Positively locks the spring module in place under load. Prevents spring module detachment from the drive module.

2. Reduced Wear

The design of connection between the piston rod and the guide block compensates for side load deflection and there by reduces wear on the rod, bearings and seals.

3. Standardised Mounting

The NAMUR mounting configuration allows standardisation of mounting hardware for a wide range of shaft driven accessories.

4. Replaceable Bearings

Replaceable bearings protect sliding and rotating components, with suitability for either dry or lubricated working conditions.

5. PTFE Guide Bar

PTFE thrust bar prevents yoke pin axial movement, transferring axial loads directly to the drive module case.

6. Optional Over-ride

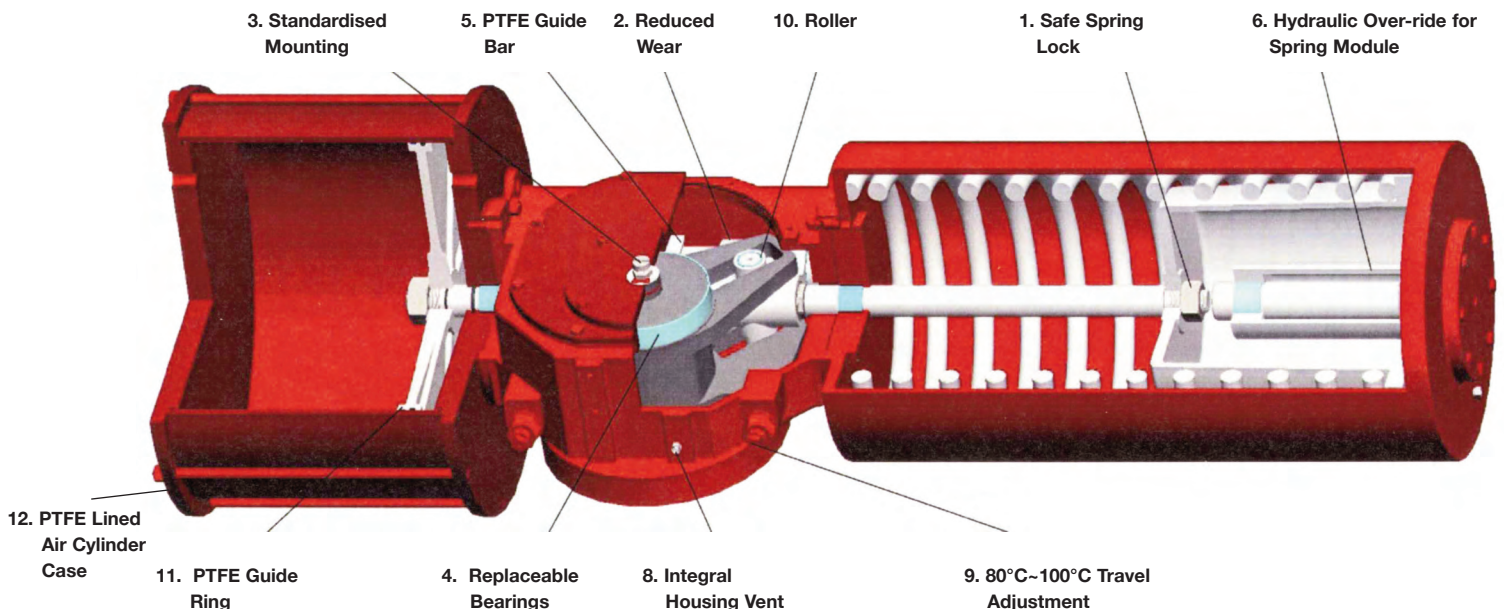
Internal hydraulic over-ride cylinder module for spring-return models doesn't increase actuator length.

7. Ease of Lifting

G25 and larger models are equipped with four lifting eyes for safe actuator handling during shipping installation and removal.

8. Integral Housing Vent

The main actuator housing incorporates an integral check valve in order to release overpressure.



9. 80°~100° Travel Adjustment

Bi-directional travel stops are integral to the actuator. The stops allow 80° ~ 100° total travel adjustment and are designed to prevent ingress of foreign matter and water.

10. Roller

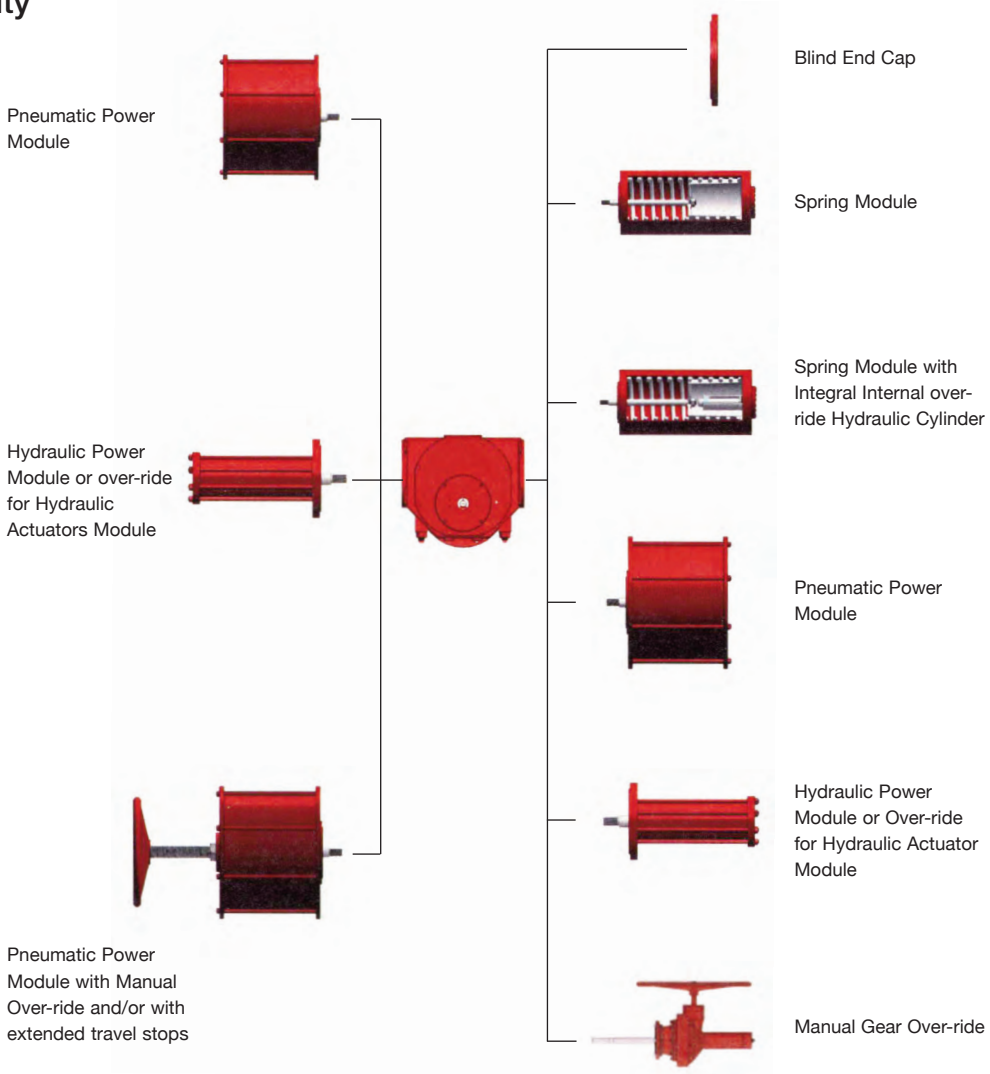
Rollers are used which reduces friction between the yoke arm and pin, minimising wear to the yoke arm and pin.

11. PTFE Guide Ring

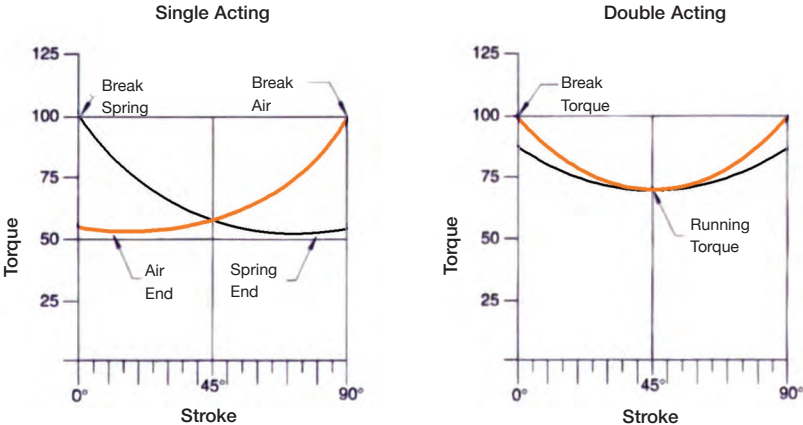
The PTFE Guide prevents metal to metal contact with the cylinder bore, thus ensuring the cylinder is not damaged by the piston whilst also reducing torque as well as ensuring ease of operation.

G Type Range

Modular Versatility

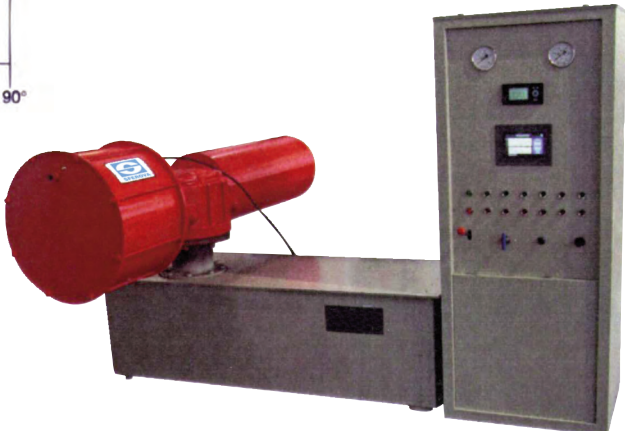


Torque Characteristics



Torque Test

A digital torque tester enables accurate measurement of an actuator's torque output, thus G Type actuators can be supplied with a torque test sheet, which details actual torque output throughout the actuator's travel range.



G Type Range

DOUBLE ACTING TORQUES (Nm)

Model	Max Torque of Drive Module	Air Pressure									
		3 Bar		4 Bar		5 Bar		6 Bar		7 Bar	
		Break	Run	Break	Run	Break	Run	Break	Run	Break	Run
G14-200	2000 Nm	830	504	1107	672	1384	839	1660	1007	1937	1175
G14-250		1298	787	1730	1049	2163	1312				
G14-300		1861	1129								
G16-250	4000 Nm	1622	984	2163	1312	2704	1640	3245	1968	3786	2296
G16-300		2336	1417	3115	1889	3894	2362				
G16-350		3180	1929	4240	2572						
G25-350	8000 Nm	3926	2381	5235	3175	6543	3969	7852	4763		
G25-400		4984	3023	6646	4031	8307	5039				
G25-450		6309	3827	8412	5103						
G30-450	16000 Nm	7710	4677	10280	6236	12580	7631	15420	9354		
G30-500		9519	5774	12693	7700	15866	9625				
G30-550		11519	6988	15359	9317						
G35-550	32000 Nm	14660	8893	19547	11858	24433	14822	29320	17787	34207	20752
G35-600		17447	10584	23263	14112	29078	17640	34894	21169		
G35-700		23748	14407	31664	19209						
G40-600	63000 Nm					35310	21421	42373	25706	49435	29990
G40-700				38449	23325	48062	29157	57674	34988	67286	40820
G40-800		37664	22849	50219	40366	62774	38082				
G48-800	125000 Nm					73852	44803	88623	53764	103393	62725
G48-900				74775	45363	93468	56703	112162	68044	130856	79385
G48-1000		69237	42003	92316	56005	115395	70006				
G60-800	250000 Nm							119641	72582	139581	84679
G60-900				100947	61241	126183	76551	151420	91861	176657	107171
G60-1000		93469	56704	124626	75606	155782	94507	186939	113409	218095	132310
G60-1100		113097	68612	150797	91483	188496	114354	226195	137224	263894	160095

G Type Range

SPRING RETURN ACTING TORQUES (Nm) - SPRING SIZE/AIR SUPPLY 3 BAR

Model	Max Torque of Drive Module	Air Break (BTO)	Run (Air)	Spring End (ETO)	Spring Break (BTC)	Run (Spring)	Air End (ETC)
G14-200 SR3	2000 Nm	523	261	318	511	254	307
G14-250 SR3		791	403	508	789	402	506
G14-300 SR3		1194	615	790	1079	543	674
G16-250 SR3	4000 Nm	1014	498	529	1092	508	607
G16-300 SR3		1444	727	902	1434	721	895
G16-350 SR3		1953	1038	1283	1896	968	1227
G25-350 SR3	8000 Nm	2346	1255	1567	2249	1153	1470
G25-400 SR3		3089	1574	1903	2996	1516	1895
G25-450 SR3		3774	1898	2348	3960	2013	2534
G30-450 SR3	16000 Nm	4821	2401	2924	4786	2379	2889
G30-500 SR3		5984	2932	3475	6044	2969	3535
G30-550 SR3		7169	3664	4651	6867	3477	4349
G35-550 SR3	32000 Nm	9260	4569	5480	9180	4520	5400
G35-600 SR3		11069	5425	6430	11016	5392	6378
G35-700 SR3		14840	7483	9298	14449	7240	8907
G40-600 SR3	63000 Nm	13071	6549	8054	13131	6586	8114
G40-700 SR3		18564	9623	12477	16359	8256	10272
G40-800 SR3		23998	12460	16238	21426	10879	13666
G48-800 SR3	125000 Nm	27930	14142	17691	26619	13330	16381
G48-900 SR3		35254	17822	22237	33844	16948	20827
G48-1000 SR3		40140	19712	23447	45789	23215	29097
G60-800 SR3	250000 Nm	35799	18379	21805	36800	18478	22805
G60-900 SR3		47867	23702	28592	47118	23238	27842
G60-1000 SR3		55207	26436	30071	63398	31514	38261
G60-1100 SR3		63881	35266	34219	78878	34854	49217

- BTO** = Break To Open Torque
- RUN** = Running (Half-Stroke Torque)
- ETO** = End To Open Torque
- BTC** = Break To Close Torque
- ETC** = End To Close Torque (Reseating)

G Type Range

SPRING RETURN ACTING TORQUES (Nm) - SPRING SIZE/AIR SUPPLY 4 BAR

Model	Max Torque of Drive Module	Air Break (BTO)	Run (Air)	Spring End (ETO)	Spring Break (BTC)	Run (Spring)	Air End (ETC)
G14-200 SR4	2000 Nm	671	341	428	679	346	436
G14-250 SR4		1056	530	651	1079	543	674
G14-300 SR4		1544	793	1015	1477	752	948
G16-250 SR4	4000 Nm	1345	691	882	1281	651	818
G16-300 SR4		1888	963	1219	1896	968	1227
G16-350 SR4		2611	1327	1645	2595	1310	1629
G25-350 SR4	8000 Nm	3193	1706	2092	2996	1517	1895
G25-400 SR4		4112	2107	2686	3960	2013	2534
G25-450 SR4		5412	2749	3456	4955	2466	2999
G30-450 SR4	16000 Nm	6461	3228	3952	6329	3146	3820
G30-500 SR4		7824	3902	4763	7929	3967	4869
G30-550 SR4		9534	4708	5983	9375	4814	5824
G35-550 SR4	32000 Nm	12066	5988	7250	12297	6131	7481
G35-600 SR4		14356	7183	8813	14449	7241	8907
G35-700 SR4		20114	10140	12594	19069	9491	11549
G40-600 SR4	63000 Nm	17976	8256	11888	16359	8926	10272
G40-700 SR4		24782	12960	17023	21426	10879	13666
G40-800 SR4		31461	16016	20203	30015	15120	18757
G48-800 SR4	125000 Nm	8254	19417	25237	33844	16948	20827
G48-900 SR4		45677	23146	28986	45789	23344	29097
G48-1000 SR4		57115	28546	34968	57348	28690	35200
G60-800 SR4	250000 Nm	51918	26214	32642	47118	23238	27842
G60-900 SR4		62685	31072	37548	63398	31514	38261
G60-1000 SR4		75409	38220	45747	78878	39048	49217
G60-1100 SR4		92620	45733	54906	95891	47761	58177

- BTO** = Break To Open Torque
- RUN** = Running (Half-Stroke Torque)
- ETO** = End To Open Torque
- BTC** = Break To Close Torque
- ETC** = End To Close Torque (Reseating)

G Type Range

SPRING RETURN ACTING TORQUES (Nm) - SPRING SIZE/AIR SUPPLY 5 BAR

Model	Max Torque of Drive Module	Air Break (BTO)	Run (Air)	Spring End (ETO)	Spring Break (BTC)	Run (Spring)	Air End (ETC)
G14-200 SR5	2000 Nm	877	456	594	789	402	506
G14-250 SR5		1347	671	818	1345	670	815
G14-300 SR5		1908	975	1235	1880	957	1206
G16-250 SR5	4000 Nm	1692	881	1150	1553	795	1011
G16-300 SR5		2438	1213	1472	2421	1202	1455
G16-350 SR5		3215	1744	2106	3194	1637	2085
G25-350 SR5	8000 Nm	3826	2044	2400	3960	2013	2534
G25-400 SR5		5309	2685	3352	4955	2466	2999
G25-450 SR5		6788	3402	4188	6326	3117	3726
G30-450 SR5	16000 Nm	7892	4001	4922	7929	3968	4869
G30-500 SR5		10042	5125	6490	9375	4712	5824
G30-550 SR5		12106	6162	7772	11426	5741	7092
G35-550 SR5	32000 Nm	15527	7909	9984	14449	7241	8907
G35-600 SR5		18327	9058	10894	18185	8971	10752
G35-700 SR5		25470	12767	15715	23864	11772	14109
G40-600 SR5	63000 Nm	21644	11014	13884	21426	10879	13666
G40-700 SR5		29304	14679	18046	30015	15120	18757
G40-800 SR5		41095	21218	27349	35425	17702	21679
G48-800 SR5	125000 Nm	44755	22574	28063	45789	23214	29097
G48-900 SR5		58269	29261	36121	57348	28690	35200
G48-1000 SR5		72776	36756	45792	69602	34789	42618
G60-800 SR5	250000 Nm	61439	30300	36302	63398	31515	38261
G60-900 SR5		76967	38524	47305	78878	39710	49217
G60-1000 SR5		97605	48824	59891	95891	47761	58177
G60-1100 SR5		116733	59787	76127	112369	57081	71764

- BTO** = Break To Open Torque
- RUN** = Running (Half-Stroke Torque)
- ETO** = End To Open Torque
- BTC** = Break To Close Torque
- ETC** = End To Close Torque (Reseating)

G Type Range

SPRING RETURN ACTING TORQUES (Nm) - SPRING SIZE/AIR SUPPLY 5.5 BAR

Model	Max Torque of Drive Module	Air Break (BTO)	Run (Air)	Spring End (ETO)	Spring Break (BTC)	Run (Spring)	Air End (ETC)
G14-200 SR5.5	2000 Nm	944	458	582	940	455	578
G14-250 SR5.5		1475	726	946	1433	701	904
G14-300 SR5.5		2089	1062	1450	1976	994	1337
G16-250 SR5.5	4000 Nm	1747	836	1078	1896	948	1227
G16-300 SR5.5		2707	1314	1808	2475	1215	1576
G16-350 SR5.5		3517	1763	2361	3469	1734	2313
G25-350 SR5.5	8000 Nm	4207	2111	2831	4165	2086	2604
G25-400 SR5.5		5529	2760	3673	5465	2722	3609
G25-450 SR5.5		7074	3456	4447	7119	3483	4492
G30-450 SR5.5	16000 Nm	8769	4264	5391	8745	4217	5312
G30-500 SR5.5		10912	5237	6544	10908	5234	6540
G30-550 SR5.5		13194	6289	7769	13348	6381	7924
G35-550 SR5.5	32000 Nm	16786	8053	10057	16820	8073	10092
G35-600 SR5.5		20090	9674	12158	19828	9517	11897
G35-700 SR5.5		27512	13581	17757	25780	12542	16025
G40-600 SR5.5	63000 Nm	24041	11554	14473	24368	11750	14800
G40-700 SR5.5		33087	16322	21320	31547	15398	19780
G40-800 SR5.5		43011	20546	25475	43576	20885	26040
G48-800 SR5.5	125000 Nm	50263	24359	30936	50301	24382	30974
G48-900 SR5.5		63321	30734	39126	63690	30955	39595
G48-1000 SR5.5		78760	39161	51777	75157	36999	48173
G60-800 SR5.5	250000 Nm	68043	33285	42906	66764	32517	41627
G60-900 SR5.5		83076	41892	56263	82539	41389	55726
G60-1000 SR5.5		107625	53261	69911	101449	49555	63736

- BTO** = Break To Open Torque
- RUN** = Running (Half-Stroke Torque)
- ETO** = End To Open Torque
- BTC** = Break To Close Torque
- ETC** = End To Close Torque (Reseating)

G Type Range

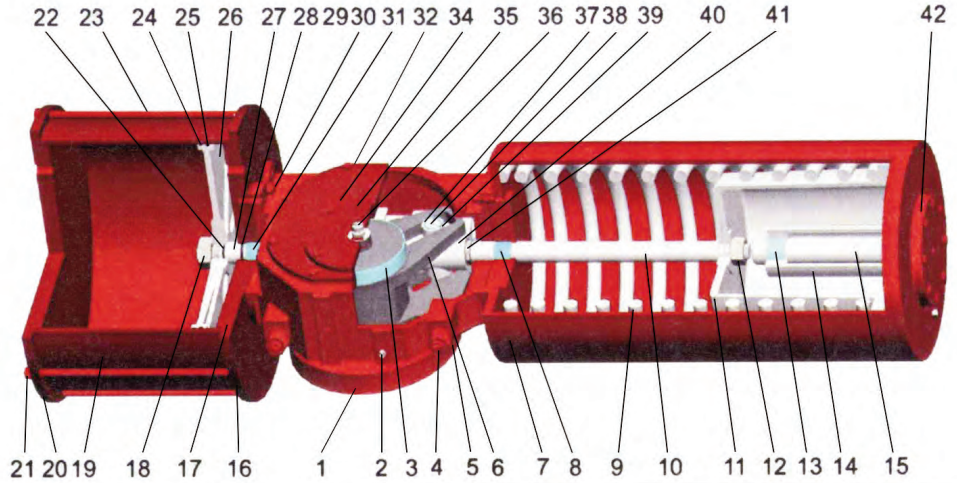
SPRING RETURN ACTING TORQUES (Nm) - SPRING SIZE/AIR SUPPLY 6 BAR

Model	Max Torque of Drive Module	Air Break (BTO)	Run (Air)	Spring End (ETO)	Spring Break (BTC)	Run (Spring)	Air End (ETC)
G14-200 SR6	2000 Nm	1037	518	633	1028	512	623
G14-250 SR6		1648	857	1118	1477	752	948
G14-300 SR6		2280	1156	1447	2291	1162	1458
G16-250 SR6	4000 Nm	2018	1043	1348	1896	968	1227
G16-300 SR6		3044	1588	2077	2595	1310	1629
G16-350 SR6		3914	2102	2502	3858	1954	2446
G25-350 SR6	8000 Nm	4633	2403	2677	4955	2466	2999
G25-400 SR6		6243	3065	3643	6326	3117	3726
G25-450 SR6		7897	3799	4357	8261	4024	4720
G30-450 SR6	16000 Nm	9598	4850	6046	9375	4712	5824
G30-500 SR6		11962	6064	7613	11426	5741	7092
G30-550 SR6		14694	7332	8957	14080	6952	8344
G35-550 SR6	32000 Nm	18569	9209	11136	18185	8970	10752
G35-600 SR6		22179	10727	12424	22471	10908	12716
G35-700 SR6		30207	15112	18543	28953	14335	17288
G40-600 SR6	63000 Nm	25544	12799	15471	26630	13472	16828
G40-700 SR6		35995	18056	22248	35425	17702	21679
G40-800 SR6		46029	22821	28593	47742	23883	29300
G48-800 SR6	125000 Nm	53420	26257	31275	57348	28690	35200
G48-900 SR6		69545	34753	42561	69602	34788	42618
G48-1000 SR6		86497	42250	55793	82680	41743	51976
G60-800 SR6	250000 Nm	70724	34468	40762	78878	39710	49217
G60-900 SR6		93243	46119	55529	95891	47761	58177
G60-1000 SR6		115175	58821	74570	112369	57081	71764
G60-1100 SR6							

- BTO** = Break To Open Torque
- RUN** = Running (Half-Stroke Torque)
- ETO** = End To Open Torque
- BTC** = Break To Close Torque
- ETC** = End To Close Torque (Reseating)

G Type Range

ASSEMBLY DRAWING



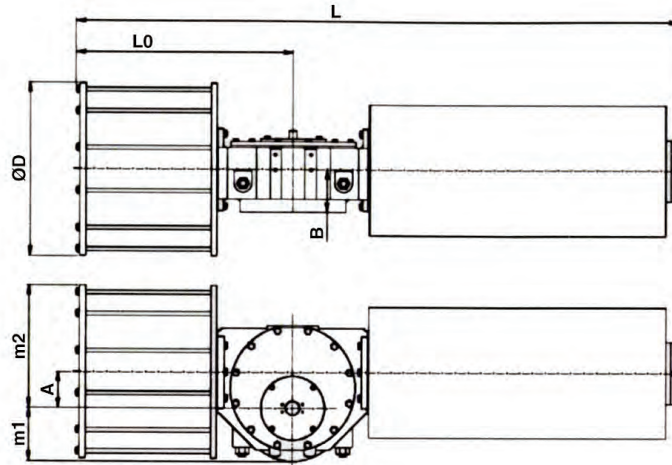
No.	Name	Material	No.	Name	Material
1	Body	Ductile Iron	22	O-Ring	Viton
2	Vent Valve	Carbon Steel	23	Screw	Alloy Steel
3	Sliding Bearing	Metal + PTFE	24	Guide Ring	PTFE
4	Adjust Stud	Alloy Steel	25	O-Ring	Viton
5	Nut	2H	26	Piston	Ductile Iron
6	Yoke	Carbon Steel	27	Centre Bar	Alloy Steel
7	Spring Case	Carbon Steel	28	O-Ring	Viton
8	Sliding Bearing	Metal + PTFE	29	Stud	Alloy Steel
9	Spring	Alloy Steel	30	Nut	2H
10	Tension Rod	Alloy Steel	31	Sliding Bearing	Metal + PTFE
11	Spring Seat	Carbon Steel	32	Bolt	Carbon Steel
12	Nut	2H	33	Body Cap	Ductile Iron
13	Sliding Bearing	Metal + PTFE	34	Bolt	Carbon Steel
14	Hydraulic Cylinder	Carbon Steel	35	Cover	Ductile Iron
15	Hydraulic Piston	Carbon Steel	36	Drive Shaft	Alloy Steel
16	Adaptor	Ductile Iron	37	Roller	Alloy Steel
17	O-Ring	Viton	38	Sliding Bearing	Metal + PTFE
18	Nut	2H	39	Pin	Alloy Steel
19	Cylinder	Carbon Steel	40	Guide Block	Ductile Iron
20	End Cap	Ductile Iron	41	Nut	Carbon Steel
21	Nut	2H	42	Cover Plate	Carbon Steel

G Type Range

DIMENSIONS

SPRING RETURN ACTING

(Dimensions in this sheet are for spring return actuators with a spring size of 4 Bar. All drawings available on request.)

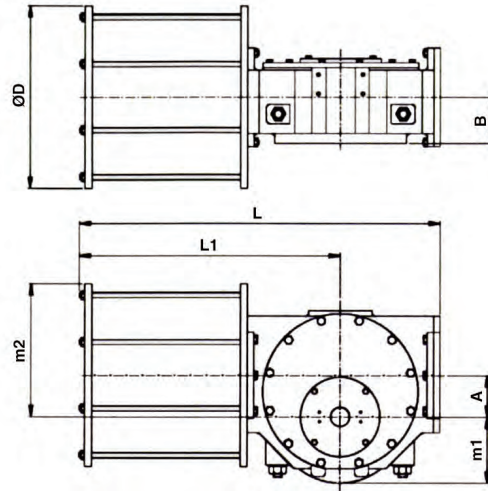


Model	Flange	L	L0	m1	m2	A	B	D	Air Port
G14-200 SR4	F14	1105	449	87.5	187.5	60	88	255	RC3/8"
G14-250 SR4		1105	449	87.5	212.5	60	88	305	RC1/2"
G14-300 SR4		1125	449	87.5	237.5	60	88	360	RC1/2"
G16-250 SR4	F16	1289	499	105	222.5	70	92	305	RC1/2"
G16-300 SR4		1289	499	105	247.5	70	92	360	RC1/2"
G16-350 SR4		1318	499	105	272.5	70	92	415	RC1/2"
G25-350 SR4	F25	1576	556	150	292.5	90	104	415	RC1/2"
G25-400 SR4		1576	556	150	317.5	90	104	465	RC3/4"
G25-450 SR4		1674	556	150	350	90	104	520	RC3/4"
G30-450 SR4	F30	1807	662	175	370	110	130	520	RC3/4"
G30-500 SR4		1807	662	175	395	110	130	570	RC3/4"
G30-550 SR4		1807	662	175	420	110	130	620	RC3/4"
G35-550 SR4	F35	2005	817	207.5	450	140	65	620	RC3/4"
G35-600 SR4		2005	817	207.5	450	140	165	670	RC1"
G35-700 SR4		2005	817	207.5	475	140	165	770	RC1"
G40-600 SR4	F40	2695	960	237.5	505	170	200	670	RC1"
G40-700 SR4		2695	960	237.5	555	170	200	770	RC1"
G40-800 SR4		2695	960	237.5	607.5	170	200	875	RC1.1/2"
G48-800 SR4	F48	3395	1130	280	637.5	200	210	875	RC1.1/2"
G48-900 SR4		3395	1130	280	687.5	200	210	975	RC2"
G48-1000 SR4		3585	1130	280	787.5	200	210	1075	RC2"
G60-800 SR4	F60	4185	180	343	707.5	270	230	875	RC1.1/2"
G60-900 SR4		4185	1380	343	757.5	270	230	975	RC2"
G60-1000 SR4		4750	1380	343	807.5	270	230	1075	RC2"
G60-1100 SR4		4750	1380	343	857.5	270	230	1175	RC2"

G Type Range

DIMENSIONS

DOUBLE ACTING



Model	Flange	L	L1	m1	m2	A	B	D	Air Port
G14-200DA	F14	594	449	87.5	187.5	60	88	255	RC3/8"
G14-250DA		594	449	87.5	212.5	60	88	305	RC1/2"
G14-300DA		594	449	87.5	237.5	60	88	360	RC1/2"
G16-250DA	F16	679	499	105	222.5	70	92	305	RC1/2"
G16-300DA		679	499	105	247.5	70	92	360	RC1/2"
G16-350DA		679	499	105	272.5	70	92	415	RC1/2"
G25-350DA	F25	766	556	150	292.5	90	104	415	RC1/2"
G25-400DA		766	556	150	317.5	90	104	465	RC3/4"
G25-450DA		766	556	150	350	90	104	520	RC3/4"
G30-450DA	F30	922	662	175	370	110	130	520	RC3/4"
G30-500DA		922	662	175	395	110	130	570	RC3/4"
G30-550DA		922	662	175	420	110	130	620	RC3/4"
G35-550DA	F35	1130	817	207.5	450	140	165	620	RC3/4"
G35-600DA		1130	817	207.5	450	140	165	670	RC1"
G35-700DA		1130	817	207.5	475	140	165	770	RC1"
G40-600DA	F40	1320	960	237.5	505	170	200	670	RC1"
G40-700DA		1320	960	237.5	555	170	200	770	RC1"
G40-800DA		1320	960	237.5	607.5	170	200	875	RC1.1/2"
G48-800DA	F48	1580	1130	280	637.5	200	210	875	RC1.1/2"
G48-900DA		1580	1130	280	687.5	200	210	975	RC2"
G48-1000DA		1580	1130	280	787.5	200	210	1075	RC2"
G60-800DA	F60	1960	1380	343	707.5	270	230	875	RC1.1/2"
G60-900DA		1960	1380	343	757.5	270	230	975	RC2"
G60-1000DA		1960	1380	343	807.5	270	230	1075	RC2"
G60-1100DA		1960	1380	343	857.5	270	230	1175	RC2"

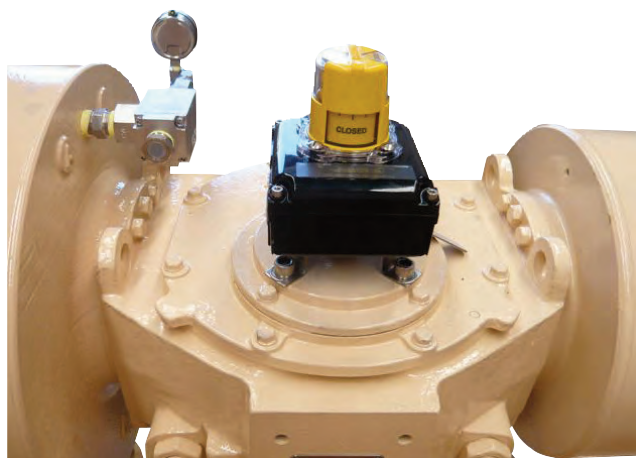
This page is deliberately blank.

DISTRIBUTOR:

Global Supply Line Pty. Ltd.
Worldwide Distributor & Stockist.

email: sales@globalsupplyline.com.au

website: www.globalsupplyline.com.au



Head Office and Factory:

Sferova s.r.l

Via delle Industrie, 30/32 I-20050 Sulbiate (MI)-Italy

Tel. +39 039 6079599 | Fax. +39 039 6079582

www.sferova.com | info@sferova.com