



宣达实业集团有限公司
XUANDA INDUSTRIAL GROUP CO.,LTD.

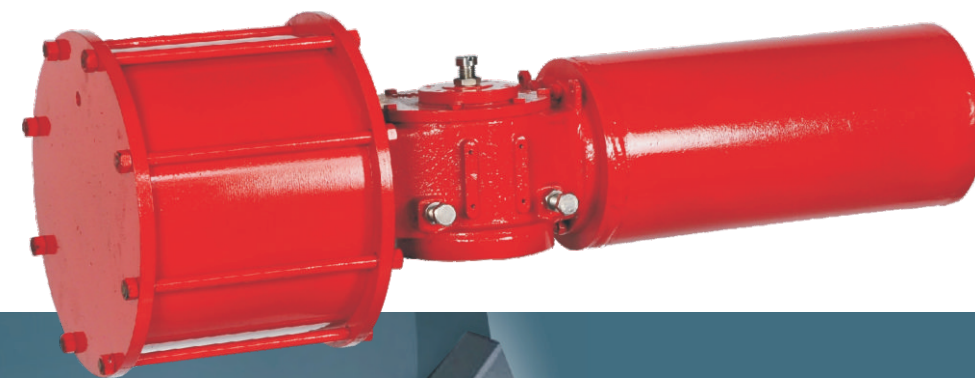
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G serie

G系列拨叉式执行机构

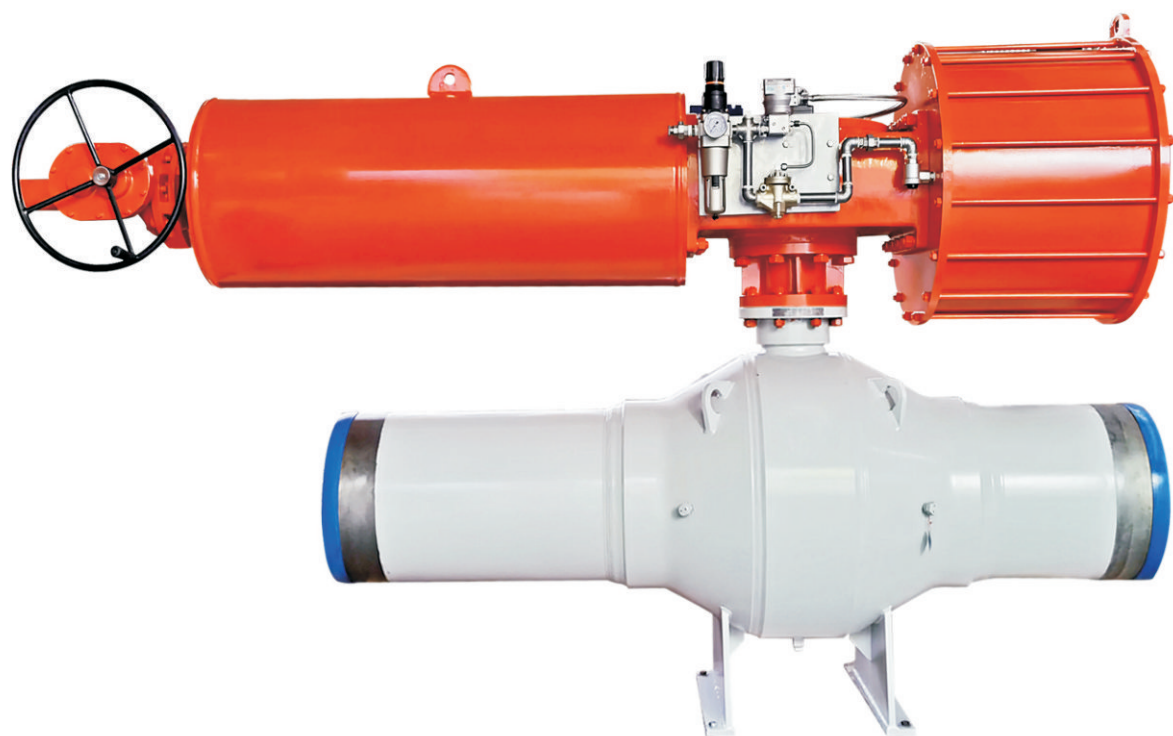
G series
fork type actuator



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G series fork type actuator

G系列拨叉式执行机构



为工业过程控制阀
提供最佳技术服务和解决方案
For industrial process control valves
Provide the best technical services and Solutions

◆设计 & 特点 Design and characteristics

G系列拨叉式执行器采用模块化产品线设计，用于操作开关型或频繁调节的球阀、蝶阀和旋塞阀等角行程控制阀。连接尺寸符合ISO5211标准，可完美的安装在符合ISO标准连接尺寸的阀门上。

G series fork actuators are designed with modular product lines, and are used to operate on-off or frequently adjusted ball valves, butterfly valves and plug valves. The connection size conforms to ISO5211 standard, which can be perfectly installed on the valve conforming to ISO standard connection size.

· 防水保护

箱体、箱盖等连接处均装有O型圈，防止外界水分进入执行机构内部。

· 耐磨性

与活塞杆，导杆等运动部件配合处均采用自润滑轴承，具有优秀的耐磨性，延长滑动零部件的使用寿命。

· 防腐性

G系列执行机构喷涂了多层防护涂层，满足各种工况环境要求。气缸内壁镀铬增加了防腐性和润滑性。

· 安全弹簧模块

为保证在安装和维护弹簧模块时操作者的安全，弹簧模块只能整体沿气缸模块轴线从驱动装置移出，避免弹簧力对人身和驱动装置的伤害。

· 模块化设计

G系列执行机构采用模块化设计，每种箱体均可选用不同的气缸及弹簧来满足各种扭矩需求，并且有多种手动形式可供选择。同时模块化设计使得装配更简便，利于现场维护更换。

· Waterproof protection

The box, cover and other joints are equipped with O-rings to prevent external moisture from entering the actuator.

· Abrasion resistance

Self-lubricating bearings are used at the joints with piston rod, guide rod and other moving parts, which have excellent wear resistance and extend the service life of sliding parts.

· Corrosion resistance

G series actuators are sprayed with multi-layer protective coatings to meet the requirements of various working conditions. Chromium plating on the inner wall of the cylinder increases corrosion resistance and lubricity.

· Safety spring module

To ensure the safety of the operator when installing and maintaining the spring module, the spring module can only be removed from the drive device along the axis of the cylinder module as a whole to avoid the injury of the spring force to the person and the drive device.

· Modular design

The G series actuator adopts modular design. Different cylinders and springs can be selected for each box to meet various torque requirements, and there are many manual forms to choose from. At the same time, the modular design makes the assembly more convenient and convenient for on-site maintenance and replacement.

◆ 设计及特点 Design and characteristics

气缸 Cylinder

三道精密研磨工艺+镀铬气缸，耐磨、耐腐蚀并具有优秀的低摩擦系数，镜面级粗糙度密封可靠

Three-pass precision grinding process+hard chrome plated cylinder; wear-resistant, corrosion-resistant, with excellent low friction coefficient, mirror-level roughness and reliable sealing

双导向设计 Double-guided design

密封圈+耐磨环双导向设计，动态密封性能优秀

Sealing ring+wear ring double-guide design, dynamic sealing performance excellent

活塞杆 Piston rod

活塞杆处采用自润滑无油轴承设计，摩擦力小，寿命长
The piston rod is designed with self-lubricating oil-free bearing, with low friction and long service life

气源接口 Air source interface

提供多种气源接口尺寸
Provide a variety of air source interface sizes

拨叉设计 Shift fork design

拨叉设计有对称式和倾斜式两种设计
There are two types of shift fork design: symmetrical and inclined

铸造壳体 Cast shell

高刚性一体成型铸造壳体
High-rigid integrated casting shell

双导杆设计 Double guide rod design

全系列双导杆设计，优化了侧向负载
Full series of double guide rod design optimizes lateral load

树脂涂装 Resin coating

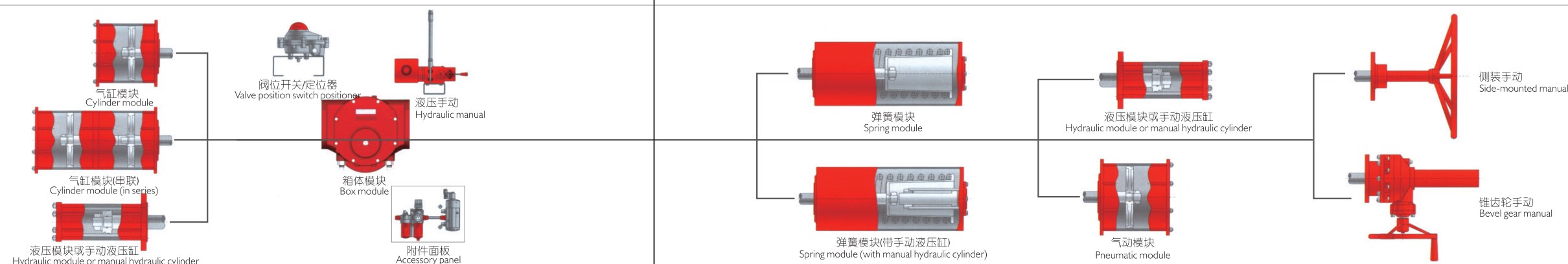
弹簧表面采用耐腐蚀树脂涂装
Spring surface is coated with corrosion-resistant resin

弹簧 Spring

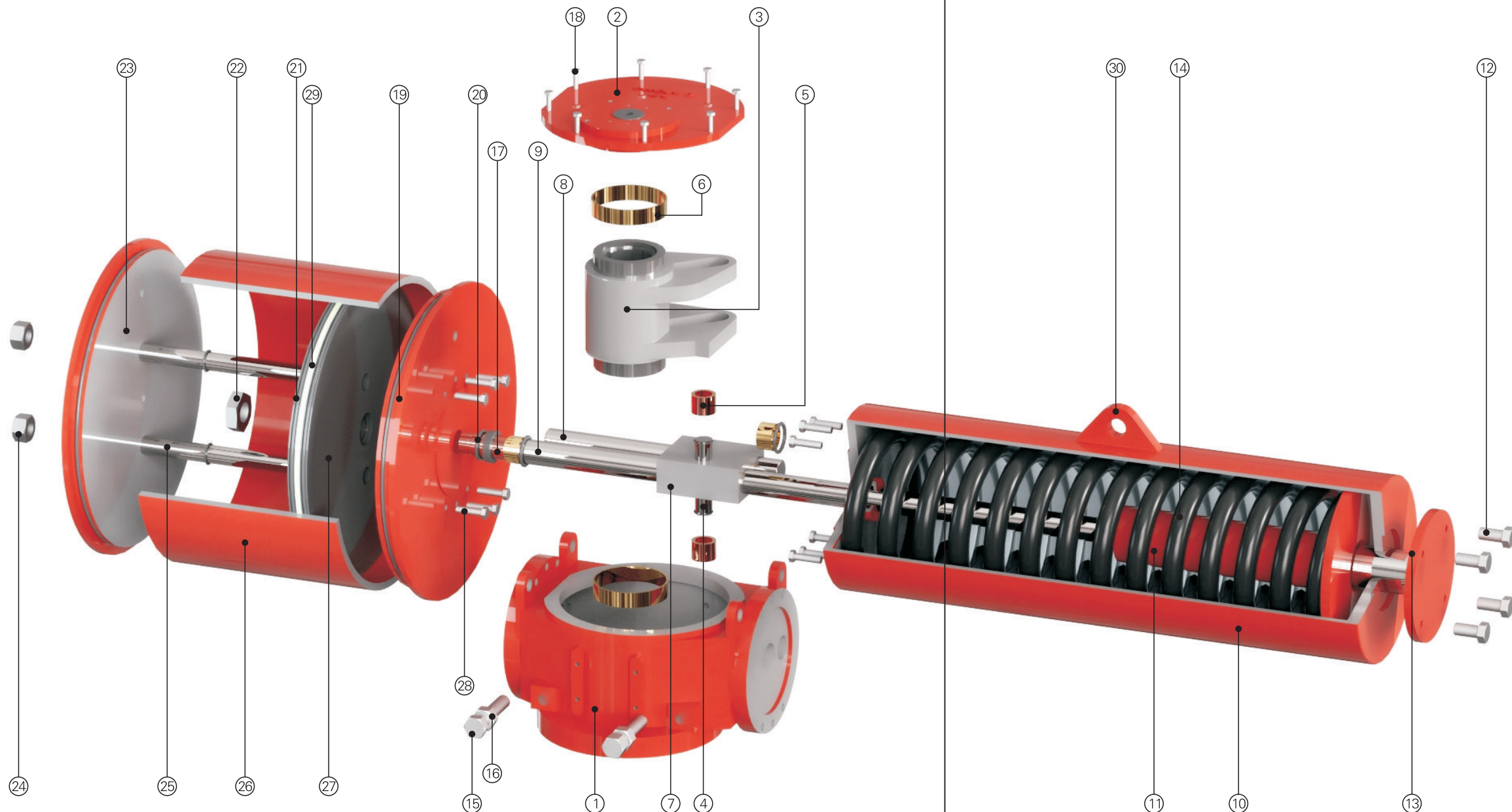
弹簧采用优质供应商提供，性能有保障
Spring is provided by high-quality supplier with guaranteed performance

◆ 整体模块化设计 Multi-Function modules design

得益于模块化设计，安装及维修变得非常简便
It is very simple to installation and maintenance due to modular design.



◆零件与材料清单 Parts and material list



- | | |
|-------------------|--|
| 1 箱体
球墨铸铁 | 1.Box
Ball-ground cast iron |
| 2 箱盖
球墨铸铁 | 2.Case cover
Ball-ground cast iron |
| 3 拨叉
碳钢 | 3.Pulling fork
carbon steel |
| 4 销轴
轴承钢 | 4.Pin shaft
Bearing steel |
| 5 滚套
轴承钢 | 5.Rolling sleeve
Bearing steel |
| 6 无油轴承
复合材料 | 6.Oil-free bearing
Compound material |
| 7 滑块
碳钢 | 7.Slider
carbon steel |
| 8 导杆
碳钢(镀铬) | 8.Guide rod
Carbon steel (chrome plated) |
| 9 活塞杆
碳钢(镀铬) | 9.Piston rod
Carbon steel (chrome plated) |
| 10 弹簧缸
碳钢 | 10.Spring cylinder
Carbon steel |
| 11 弹簧座
碳钢 | 11.Spring seat
Carbon steel |
| 12 六角螺栓
碳钢 | 12.Hexagon bolt
Carbon steel |
| 13 弹簧盖
碳钢 | 13.Spring cap
Carbon steel |
| 14 弹簧
合金钢 | 14.Spring
Spring steel |
| 15 行程调节螺栓
碳钢 | 15.Stroke adjustment bolt
Carbon steel |
| 16 螺母
碳钢 | 16.Nut
Carbon steel |
| 17 无油轴承
复合材料 | 17.Oil-free bearing
Compound material |
| 18 六角螺栓
碳钢 | 18.Hexagon bolt
Carbon steel |
| 19 中盖
碳钢 | 19.Middle cover
Carbon steel |
| 20 O型环
丁腈橡胶 | 20.O-ring
NBR |
| 21 O型环
丁腈橡胶 | 21.O-ring
NBR |
| 22 螺母
碳钢 | 22.Nut
Carbon steel |
| 23 边盖
碳钢 | 23.Side cover
Carbon steel |
| 24 螺母
碳钢 | 24.Nut
Carbon steel |
| 25 内拉杆
碳钢 | 25.Internal tie rod
Carbon steel |
| 26 缸体
碳钢(内孔涂层) | 26.Cylinder block
Carbon steel (inner-hole coating) |
| 27 活塞
球墨铸铁 | 27.Piston
Ductile Iron |
| 28 双头螺栓
碳钢 | 28.Double-head bolt
Carbon steel |
| 29 导向环
复合材料 | 29.Guide ring
Compound material |
| 30 吊环
碳钢 | 30.Rings
Carbon steel |

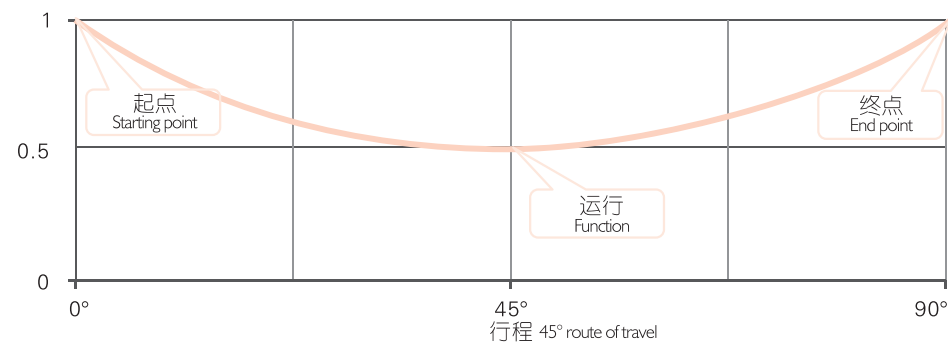
防腐等级 Anti-corrosion grade

腐蚀级别 Corrosion level	底漆层 Primer layer			后道涂层 Rear coating	涂层体系 Coating system		耐久性 Durability
	类型 Type	涂层道数 Number of coating layers	厚度um Thickness um	基料 Base material	涂层道数 Number of coating layers	厚度um Thickness um	
中腐蚀C3 Medium corrosion C3	富锌底漆 Zinc-rich primer	1	60	聚氨酯面漆 Hardtop AS	2-3	120	L/M/H
强腐蚀C4 Strong corrosion C4		1	60		2-4	160	L/M/H
很强腐蚀(工业)C5-1 Very strong corrosion (industrial) C5-1		1-2	80		3-4	240	L/M/H
很强腐蚀(海洋)C5-M Very strong corrosion (marine) C5-M		1-2	80		3-4	320	L/M/H

油漆涂装根据腐蚀环境和使用寿命来选择, 本表符合ISO12944防护漆对钢结构的腐蚀保护标准要求。

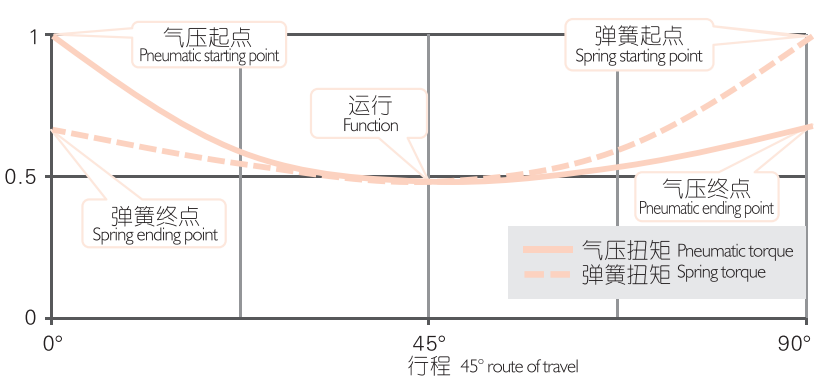
The paint coating is selected according to the corrosive environment and service life. This table conforms to the requirements of the corrosion protection standard of ISO12944 protective paint for steel structures.

◆双作用型扭矩表 Double-acting torque gauge



型号 Type		气源压力 (Mpa) Air source pressure (Mpa)					
		0.3	0.4	0.5	0.6	0.7	0.8
G14-200	起始 Start and End	1188	1584	1979	2375	2771	3167
	运行 Function	594	792	990	1188	1386	1584
G14-250	起始 Start and End	1910	2547	3184	3821	4458	5094
	运行 Function	955	1274	1592	1910	2229	2547
G14-300	起始 Start and End	2716	3621	4526	5432	6337	7242
	运行 Function	1358	1811	2263	2716	3168	3621
G16-250	起始 Start and End	1622	2163	2704	3245	3786	4327
	运行 Function	984	1312	1640	1968	2296	2624
G16-300	起始 Start and End	3094	4126	5157	6189	7220	8252
	运行 Function	1547	2063	2579	3094	3610	4126
G16-350	起始 Start and End	4456	5941	7427	8912	10397	11883
	运行 Function	2228	2971	3713	4456	5199	5941
G25-350	起始 Start and End	5494	7325	9156	10987	12819	14650
	运行 Function	2747	3662	4578	5494	6409	7325
G25-400	起始 Start and End	6953	9271	11588	13906	16224	18541
	运行 Function	3477	4635	5794	6953	8112	9271
G25-450	起始 Start and End	8970	11960	14950	17939	20929	23919
	运行 Function	4485	5980	7475	8970	10465	11960
G30-450	起始 Start and End	10963	14617	18272	21926	25580	29235
	运行 Function	5481	7309	9136	10963	12790	14617
G30-500	起始 Start and End	13476	17968	22460	26952	31443	35935
	运行 Function	6738	8984	11230	13476	15722	17968
G30-550	起始 Start and End	16248	21663	27079	32495	37911	43327
	运行 Function	8124	10832	13540	16248	18956	21663
G35-550	起始 Start and End	20679	27572	34465	41358	48250	55143
	运行 Function	10339	13786	17232	20679	24125	27572
G35-600	起始 Start and End	25347	33796	42246	50695	59144	67593
	运行 Function	12674	16898	21123	25347	29572	33796
G35-700	起始 Start and End	34183	45578	56972	68367	79761	91155
	运行 Function	17092	22789	28486	34183	39881	45578

◆单作用型扭矩表 Single-acting torque gauge



型号 Type	弹簧扭矩 (Nm) Spring torque(Nm)		气压输出扭矩 (Nm) Pneumatic output torque (Nm)					
			0.3Mpa	0.4Mpa	0.5Mpa	0.6Mpa	0.7Mpa	0.8Mpa
G14-200-SR1	起点 Starting point	1021	527	923	1319	1715	2111	2507
	运行 Function	420	173	371	569	767	965	1163
	终点 End point	660	167	563	959	1354	1750	2146
G14-200-SR2	起点 Starting point	1555		554	950	1346	1742	2138
	运行 Function	646		146	344	542	740	937
	终点 End point	1029		29	425	820	1216	1612
G14-200-SR3	起点 Starting point	2140				1002	1398	1794
	运行 Function	878				309	507	705
	终点 End point	1373				236	632	1027
G14-250-SR1	起点 Starting point	1021	1250	1887	2523	3160	3797	4434
	运行 Function	420	535	853	1172	1490	1808	2127
	终点 End point	660	890	1526	2163	2800	3437	4073
G14-250-SR2	起点 Starting point	1555	881	1518	2155	2792	3428	4065
	运行 Function	646	309	628	946	1264	1583	1901
	终点 End point	1029	356	992	1629	2266	2903	3539
G14-250-SR3	起点 Starting point	2140		1174	1811	2448	3084	3721
	运行 Function	878		395	714	1032	1351	1669
	终点 End point	1373		408	1044	1681	2318	2955
G14-300-SR1	起点 Starting point	1021	2055	2961	3866	4771	5676	6582
	运行 Function	420	938	1390	1843	2295	2748	3201
	终点 End point	660	1695	2600	3505	4411	5316	6221
G14-300-SR2	起点 Starting point	1555	1687	2592	3497	4402	5308	6213
	运行 Function	646	712	1165	1617	2070	2522	2975
	终点 End point	1029	1161	2066	2971	3877	4782	5687
G14-300-SR3	起点 Starting point	2140	1343	2248	3153	4058	4964	5869
	运行 Function	878	480	932	1385	1838	2290	2743
	终点 End point	1373	576	1481	2387	3292	4197	5102

◆单作用型扭矩表Single-acting torque gauge

型号 Type	弹簧扭矩 (Nm) Spring torque(Nm)		气压输出扭矩 (Nm) Pneumatic output torque (Nm)					
			0.3Mpa	0.4Mpa	0.5Mpa	0.6Mpa	0.7Mpa	0.8Mpa
G16-250-SR1	起点 Starting point	1893	1114	1889	2664	3438	4213	4988
	运行 Function	776	386	774	1161	1548	1936	2323
	终点 End point	1210	431	1206	1980	2755	3530	4305
G16-250-SR2	起点 Starting point	2597		1434	2209	2983	3758	4533
	运行 Function	1066		484	871	1259	1646	2033
	终点 End point	1665		502	1277	2051	2826	3601
G16-250-SR3	起点 Starting point	3650			1538	2313	3087	3862
	运行 Function	1497			440	828	1215	1603
	终点 End point	2336			224	999	1773	2548
G16-300-SR1	起点 Starting point	1893	1884	2916	3947	4979	6010	7042
	运行 Function	776	771	1287	1803	2319	2834	3350
	终点 End point	1210	1201	2233	3264	4296	5327	6359
G16-300-SR2	起点 Starting point	2597	1429	2461	3492	4524	5555	6587
	运行 Function	1066	482	997	1513	2029	2545	3060
	终点 End point	1665	497	1529	2560	3592	4623	5655
G16-300-SR3	起点 Starting point	3650		1790	2821	3853	4884	5916
	运行 Function	1497		566	1082	1598	2114	2629
	终点 End point	2336		476	1507	2539	3570	4602
G16-350-SR1	起点 Starting point	1893	3246	4731	6217	7702	9187	10673
	运行 Function	776	1452	2195	2937	3680	4423	5166
	终点 End point	1210	2563	4048	5533	7019	8504	9989
G16-350-SR2	起点 Starting point	2597	2791	4276	5762	7247	8732	10218
	运行 Function	1066	1162	1905	2648	3390	4133	4876
	终点 End point	1665	1859	3344	4830	6315	7800	9286
G16-350-SR3	起点 Starting point	3650	2120	3605	5091	6576	8061	9547
	运行 Function	1497	732	1474	2217	2960	3702	4445
	终点 End point	2336	806	2291	3777	5262	6747	8233
G25-350-SR1	起点 Starting point	4426	2600	4431	6262	8093	9925	11756
	运行 Function	1830	917	1832	2748	3664	4579	5495
	终点 End point	2894	1067	2899	4730	6561	8392	10224
G25-350-SR2	起点 Starting point	5629		3645	5476	7307	9138	10970
	运行 Function	2327		1335	2251	3167	4082	4998
	终点 End point	3680		1696	3528	5359	7190	9021
G25-350-SR3	起点 Starting point	7074		2876	4708	6539	8370	10201
	运行 Function	2881		782	1698	2613	3529	4444
	终点 End point	4449		251	2082	3914	5745	7576
G25-400-SR1	起点 Starting point	4426	4059	6377	8694	11012	13330	15647
	运行 Function	1830	1646	2805	3964	5123	6282	7441
	终点 End point	2894	2527	4844	7162	9480	11797	14115
G25-400-SR2	起点 Starting point	5629	3273	5590	7908	10226	12543	14861
	运行 Function	2327	1149	2308	3467	4626	5785	6943
	终点 End point	3680	1324	3642	5960	8277	10595	12913

◆单作用型扭矩表Single-acting torque gauge

型号 Type	弹簧扭矩 (Nm) Spring torque(Nm)		气压输出扭矩 (Nm) Pneumatic output torque (Nm)					
			0.3Mpa	0.4Mpa	0.5Mpa	0.6Mpa	0.7Mpa	0.8Mpa
G25-400-SR3	起点 Starting point	7074		4822	7140	9458	11775	14093
	运行 Function	2881		1755	2914	4072	5231	6390
	终点 End point	4449		2197	4515	6832	9150	11468
G25-450-SR1	起点 Starting point	4426	6076	9066	12056	15045	18035	21025
	运行 Function	1830	2655	4150	5645	7140	8635	10130
	终点 End point	2894	4543	7533	10523	13513	16503	19493
G25-450-SR2	起点 Starting point	5629	5289	8279	11269	14259	17249	20239
	运行 Function	2327	2158	3653	5148	6643	8137	9632
	终点 End point	3680	3341	6331	9321	12311	15301	18291
G25-450-SR3	起点 Starting point	7074	4521	7511	10501	13491	16481	19471
	运行 Function	2881	1604	3099	4594	6089	7584	9079
	终点 End point	4449	1896	4886	7876	10866	13856	16845
G30-450-SR1	起点 Starting point	9104	5500	9155	12809	16463	20118	23772
	运行 Function	3642	1840	3667	5494	7321	9148	10976
	终点 End point	5463	1859	5513	9167	12822	16476	20130
G30-450-SR2	起点 Starting point	11202		7739	11393	15048	18702	22356
	运行 Function	4520		2789	4616	6443	8270	10097
	终点 End point	6878		3416	7070	10724	14379	18033
G30-450-SR3	起点 Starting point	13185		6267	9921	13575	17230	20884
	运行 Function	5384		1925	3752	5579	7406	9233
	终点 End point	8351		1432	5087	8741	12395	16050
G30-500-SR1	起点 Starting point	9104	8013	12505	16997	21489	25981	30473
	运行 Function	3642	3096	5342	7588	9834	12080	14326
	终点 End point	5463	4372	8863	13355	17847	22339	26831
G30-500-SR2	起点 Starting point	11202	6597	11089	15581	20073	24565	29057
	运行 Function	4520	2218	4464	6710	8956	11202	13448
	终点 End point	6878	2274	6766	11258	15750	20242	24734
G30-500-SR3	起点 Starting point	13185	5125	9617	14109	18601	23093	27585
	运行 Function	5384	1354	3600	5846	8092	10338	12584
	终点 End point	8351	291	4783	9275	13767	18258	22750
G30-550-SR1	起点 Starting point	9104	10785	16201	21617	27033	32449	37864
	运行 Function	3642	4482	7190	9898	12606	15314	18022
	终点 End point	5463	7143	12559	17975	23391	28807	34223
G30-550-SR2	起点 Starting point	11202	9369	14785	20201	25617	31033	36449
	运行 Function	4520	3604	6312	9020	11728	14436	17143
	终点 End point	6878	5046	10462	15878	21293	26709	32125
G30-550-SR3	起点 Starting point	13185	7897	13313	18729	24145	29561	34976
	运行 Function	5384	2740	5448	8156	10864	13572	16280
	终点 End point	8351	3063	8478	13894	19310	24726	30142
G35-550-SR1	起点 Starting point	17138	10026	16919	23811	30704	37597	44490
	运行 Function	6948	3392	6838	10285	13731	17178	20624
	终点 End point	10653	3541	10434	17327	24220	31113	38006

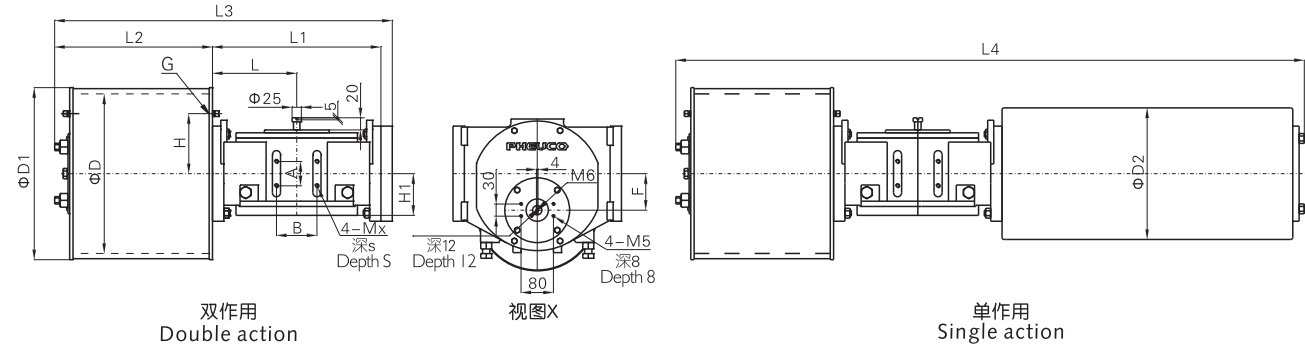
◆单作用型扭矩表 Single-acting torque gauge

型号 Type	弹簧扭矩 (Nm) Spring torque(Nm)		气压输出扭矩 (Nm) Pneumatic output torque (Nm)					
			0.3Mpa	0.4Mpa	0.5Mpa	0.6Mpa	0.7Mpa	0.8Mpa
G35-550-SR2	起点 Starting point	20921		14161	21054	27947	34840	41733
	运行 Function	8583		5203	8649	12096	15542	18989
	终点 End point	13411		6651	13544	20437	27329	34222
G35-550-SR3	起点 Starting point	27655			16866	23759	30652	37545
	运行 Function	11313			5919	9365	12812	16258
	终点 End point	17599			6810	13703	20595	27488
G35-600-SR1	起点 Starting point	17138	17694	23143	31592	40042	48491	56940
	运行 Function	6948	5726	9951	14175	18400	22624	26849
	终点 End point	10653	8210	16659	25108	33557	42006	50455
G35-600-SR2	起点 Starting point	20921	11936	203.86	28835	37284	45733	54182
	运行 Function	8583	4091	8315	12540	16764	20989	25213
	终点 End point	13411	4426	12875	21325	29774	38223	46672
G35-600-SR3	起点 Starting point	27655		16198	24647	33096	41545	49994
	运行 Function	11313		5585	9809	14034	18258	22483
	终点 End point	17599		6141	14591	23040	31489	39938
G35-700-SR1	起点 Starting point	17138	23530	34925	46319	57713	69108	80502
	运行 Function	6948	10144	15841	21538	27236	32933	38630
	终点 End point	10653	17046	28440	39834	51229	62623	74018
G35-700-SR2	起点 Starting point	20921	20772	32167	43561	54956	66350	77745
	运行 Function	8583	8509	14206	19903	25600	31298	36995
	终点 End point	13411	13262	24657	36051	47446	58840	70234
G35-700-SR3	起点 Starting point	27655	16585	27979	39374	50768	62162	73557
	运行 Function	11313	5778	11475	17173	22870	28567	34264
	终点 End point	17599	6528	17923	29317	40712	52106	63500
G40-600-SR1	起点 Starting point	25760	14659	25039	35420	45800	56180	66561
	运行 Function	10561	5010	10200	15390	20580	25771	30961
	终点 End point	16482	5381	15761	26142	36522	46902	57283
G40-600-SR2	起点 Starting point	34173		19923	30303	40683	51064	61444
	运行 Function	13943		6818	12008	17198	22388	27578
	终点 End point	21599		7348	17728	28109	38489	48869
G40-600-SR3	起点 Starting point	43511			24901	35282	45662	56042
	运行 Function	17628			8323	13513	18703	23894
	终点 End point	27000			8391	18771	29151	39532
G40-700-SR1	起点 Starting point	25760	25515	39513	53512	67511	81510	95509
	运行 Function	10561	10438	17437	24437	31436	38436	45435
	终点 End point	16482	16237	30235	44234	58233	72232	86231
G40-700-SR2	起点 Starting point	34173	20398	34397	48396	62395	76393	90392
	运行 Function	13943	7055	14055	21054	28054	35053	42052
	终点 End point	21599	7823	21822	35821	49820	63819	77818
G40-700-SR3	起点 Starting point	43511		28995	42994	56993	70992	84991
	运行 Function	17628		10370	17369	24369	31368	38368
	终点 End point	27000		12484	26483	40482	54481	68480

◆单作用型扭矩表 Single-acting torque gauge

型号 Type	弹簧扭矩 (Nm) Spring torque(Nm)		气压输出扭矩 (Nm) Pneumatic output torque (Nm)					
			0.3Mpa	0.4Mpa	0.5Mpa	0.6Mpa	0.7Mpa	0.8Mpa
G40-800-SR1	起点 Starting point	25760	37990	56148	74305	92463	110620	128778
	运行 Function	10561	16676	25754	34833	43912	52991	62069
	终点 End point	16482	28712	46870	65027	83185	101342	119500
G40-800-SR2	起点 Starting point	34173	32874	51031	69189	87346	105504	123661
	运行 Function	13943	13293	22372	31451	40529	49608	58687
	终点 End point	21599	20299	38457	56614	74772	92929	111087
G40-800-SR3	起点 Starting point	43511	27472	45630	63787	81945	100102	118260
	运行 Function	17628	9608	18687	27766	36845	45923	55002
	终点 End point	27000	10961	29119	47276	65434	83591	101749

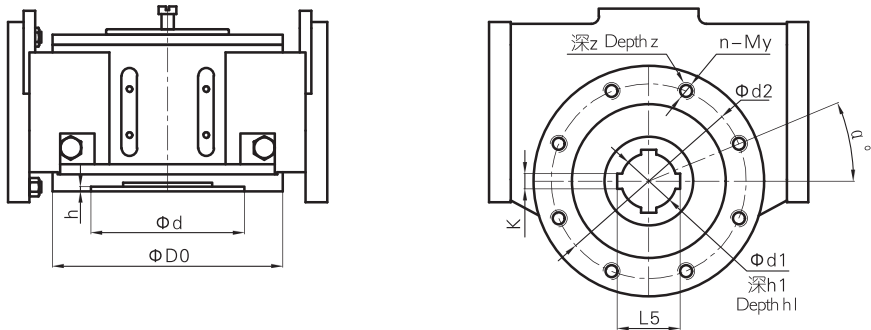
◆外形尺寸图 Outline dimension drawing



◆外形尺寸表 Outline dimension table

项目 型号 Data Type	D	D1	L	L1	L2	L3	G	H	H1	A	B	4-Mx-S	F	D2	L4
G14-200	205	260	143	286	285	590	ZG1/4"	95	85	60	60	4-M8-10	60	219	1030
G14-250	260	320	143	286	285	590	ZG1/4"	115	85	60	60	4-M8-10	60	219	1080
G14-300	310	370	143	286	285	590	ZG1/4"	135	85	60	60	4-M8-10	60	273	1090
G16-250	260	320	166	332	326	675	ZG3/8"	120	98	60	100	4-M8-10	72	273	1250
G16-300	310	370	166	332	326	675	ZG3/8"	135	98	60	100	4-M8-10	72	299	1260
G16-350	360	430	166	332	326	675	ZG3/8"	160	98	60	100	4-M8-10	72	299	1260
G25-350	360	430	208	416	395	830	ZG1/2"	165	103	60	100	4-M8-10	90	299	1540
G25-400	405	480	208	416	395	830	ZG1/2"	180	103	60	100	4-M8-10	90	299	1570
G25-450	460	537	208	416	395	830	ZG1/2"	195	103	60	100	4-M8-10	90	356	1580
G30-450	460	537	244	488	455	970	ZG1/2"	195	119	60	100	4-M8-10	110	377	1790
G30-500	510	600	244	488	455	970	ZG1/2"	220	119	60	100	4-M8-10	110	396	1830
G30-550	560	650	244	488	455	970	ZG1/2"	250	119	60	100	4-M8-10	110	434	1850
G35-550	560	650	290	580	540	1120	ZG1/2"	250	136	120	100	4-M10-15	140	453	2220
G35-620	620	710	290	580	540	1120	ZG1/2"	290	136	120	100	4-M10-15	140	482	2260
G35-720	720	710	290	580	540	1120	ZG1/2"	290	136	120	100	4-M10-15	140	546	2280

◆连接尺寸图 Connection dimension drawing



◆连接尺寸表 Connection dimension table

型号 Type	尺寸 Dimension								
	D0	d	h	d1-h1	k	L5	d2	n-My-z	d2 α
G14	175	100	4	50-65	14	57.6	140	4-M16-24	45
G16	210	130	5	60-80	18	68.8	165	4-M18-30	45
G25	300	200	5	72-110	20	81.8	254	4-M16-24	22.5
G30	350	230	5	90-130	22	100.8	298	4-M20-30	22.5
G35	415	260	6	120-180	32	134.8	356	4-M30-36	22.5

◆手动机构设置 Manual mechanism setting

双作用 Double action					单作用 Single action				
型号 Type	标准配置 Standard configuration	安装位置 Installation position	可选配位置 Optional position		型号 Type	标准配置 Standard configuration	安装位置 Installation position	可选配位置 Optional position	
G14-200	丝杆 Screw Mode	箱体一侧 Box side	X		G14-200-SR	丝杆 Screw Mode	箱体一侧 Box side	X	
G14-250	丝杆 Screw Mode	箱体一侧 Box side	X		G14-250-SR	丝杆 Screw Mode	箱体一侧 Box side	X	
G14-300	丝杆 Screw Mode	箱体一侧 Box side	X		G14-300-SR	丝杆 Screw Mode	箱体一侧 Box side	X	
G16-300	丝杆 Screw Mode	箱体一侧 Box side	X		G16-300-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G16-350	丝杆 Screw Mode	箱体一侧 Box side	X		G16-350-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G16-400	丝杆 Screw Mode	箱体一侧 Box side	X		G16-400-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G25-350	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G25-350-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G25-400	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G25-400-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G25-450	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G25-450-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G30-450	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G30-450-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G30-500	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G30-500-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G30-550	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G30-550-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G35-550	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G35-550-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G35-600	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G35-600-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G35-700	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G35-700-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G40-600	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G40-600-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G40-700	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G40-700-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	
G40-800	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic		G40-800-SR	丝杆+伞齿轮 Screw Mode+Bevel gear	箱体一侧 Box side	液压 Manual hydraulic	

◆订货型号表 Model number

拨叉式执行机构 Fork type actuator	G	X	-	XXX	-	XX	X	-	XX	-	XX	-	X
箱体编号 Box No	箱体连接面法兰G14 Box connecting face flange G14	14											
	箱体连接面法兰G16 Box connecting face flange G16	16											
	箱体连接面法兰G25 Box connecting face flange G25	25											
	箱体连接面法兰G30 Box connecting face flange G30	30											
	箱体连接面法兰G35 Box connecting face flange G35	35											
	箱体连接面法兰G40 Box connecting face flange G40	40											
气缸尺寸 Cylinder size	根据扭矩表选择合适缸径的气缸 Select the cylinder with appropriate cylinder diameter according to the torque table			200-1000									
执行机构作用方式 Action mode of actuator	弹簧复位型 Spring return type						SR						
	双作用型 Double-acting type						DA						
弹簧编号 Spring No	根据扭矩表选择所需的弹簧编号 Select the required spring number according to the torque table							1-3					
	双作用型 Double-acting type							无 Nothing					
故障位置 Fault location	气源故障关 Air supply fault Off								STC				
	气源故障开 Air supply fault ON								STO				
	双作用型 Double-acting type								无 Nothing				
手动方式* Manual mode	丝杆手动机构 Screw rod manual mechanism										MS		
	伞齿轮手动机构 Bevel gear manual mechanism										MG		
	液压手动机构 Hydraulic manual mechanism										MH		
	不带手动 Without manual										无 Nothing		
温度范围 Temperature range	标准型 Standard												无 Nothing
	高温型 High temperature type												H
	低温型 Low temperature type												L

*注：MS、MG、MH配单作用，MSD、MGD、MHD配双作用。
Note: MS, MG and MH are equipped with single action, and MSD, MGD and MHD are equipped with double action.

