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南京讯联液压技术股份有限公司
NANJING SOLINER HYDRAULICS TECHNOLOGY CO.,LTD

液压控制及驱动技术
HYDRAULIC CONTROL AND DRIVE TECHNOLOGY

ABOUT SOLINER

关于讯联

／
研发·生产·销售·服务
R&D · Production · Sales · Service

南京讯联液压技术股份有限公司成立于2003年，是一家液压过滤器、传感器、风电润滑系统、液压件的领先制造商。产品广泛应用于工程机械、冶金、航空航天、风力发电、机床、石油、化工、船舶等行业。作为一家以客户为中心的公司，我们努力为客户提供高品质的产品和服务。我们拥有完善的研发能力和先进的生产设备，致力于创新和卓越。

Founded in 2003, Nanjing Soliner Hydraulic Technology Co., Ltd. is a leading manufacturer of hydraulic filters, sensors, wind power lubrication systems and hydraulic components. The company's products are widely applied in construction machinery, metallurgy, aerospace, wind power, machine tools, petroleum, chemical, shipbuilding and other industries. As a customer-oriented company, we strive to provide our customers with high-quality products and services. With complete research and development capabilities and advanced production equipments, we are committed to innovation and excellence.



Qualification 荣誉资质



AUTOMATIC UNMANNED INTELLIGENT PRODUCT LINE

自动化无人智能生产线



Mazak柔性生产线
Mazak Flexible Production Line



ADVANCED MACHINING CENTER
先进加工中心



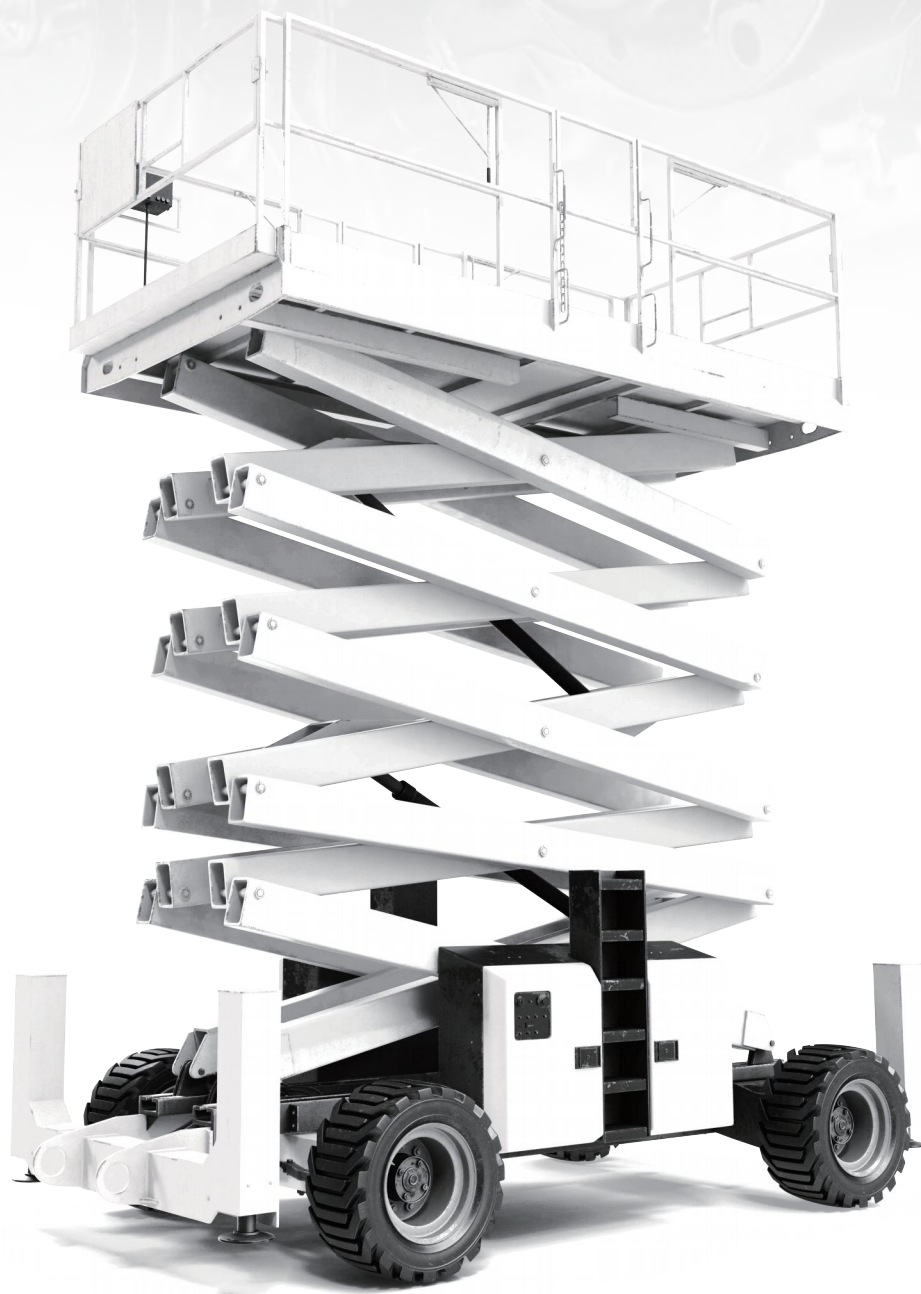
先进加工中心
Advanced Machining Center



进口滤材折叠设备
Imported Filter Material Folding Equipment

产品展示 Product Display

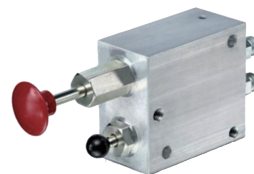
Precise Control, Smooth Operation,
Compact Structure, High Efficiency And Energy Saving



VRC系列



BAK系列



SHP系列



SGP系列

AWP高空作业平台液压解决方案 AWP Hydraulic Solution

VRC系列液压马达

VRC Series Hydraulic Motors

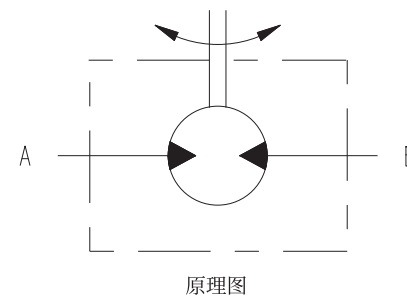


概述 Overview

The VRC series of hydraulic motors boasts a high cost-performance ratio, making them well-suited for a wide range of applications, especially for scenarios that require low-speed, high-torque load starting. When the motor starts, the pressure causes the balance disc to flex towards the rotor, reducing the end clearance between the rotor and the stator. This significantly improves the volumetric efficiency of the motor. Once the motor reaches its working pressure, the balance plate relaxes, allowing the rotor to rotate freely, thus achieving higher mechanical efficiency. The drive shaft has a strong power transmission capability and is the most durable among motors of the same level.

产品优点 Product Advantages

The use of high-pressure shaft seals ensures a long service life and excellent performance, eliminating the need for case drain oil. The combination of roller bearings and needle bearings provides high radial and axial load capacity. The heavy-duty drive shaft, with full-flow lubrication and cooling treatment, has a longer service life. The distributor plate - rotor distributor design makes the motor shorter in length, lower in cost, and higher in distributor efficiency. The pressure-compensated balance plate improves work efficiency at low speeds and high pressures. A variety of flange and shaft extension connection options enhance versatility.



长度重量表 Length Weight Scale

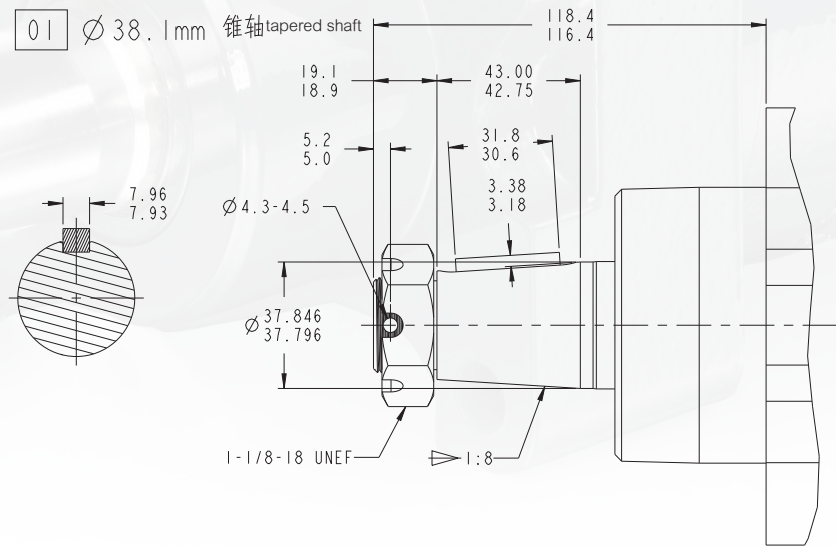
排量 cm ³ /rev.	L mm	重量 kg	排量 cm ³ /rev.	L mm	重量 kg
160	156.8	14.9	375	174.8	16.4
200	160.3	15.2	400	178.0	16.6
230	162.7	15.4	470	182.4	17.0
260	165.1	15.6	540	190.4	17.6
300	168.5	15.9	750	206.5	19.0
350	171.7	16.1			

Dimension L is the distance from the flange mounting face to the rear end of the motor, with a tolerance of $\pm 0.93\text{mm}$.

VRC系列液压马达尺寸&参数

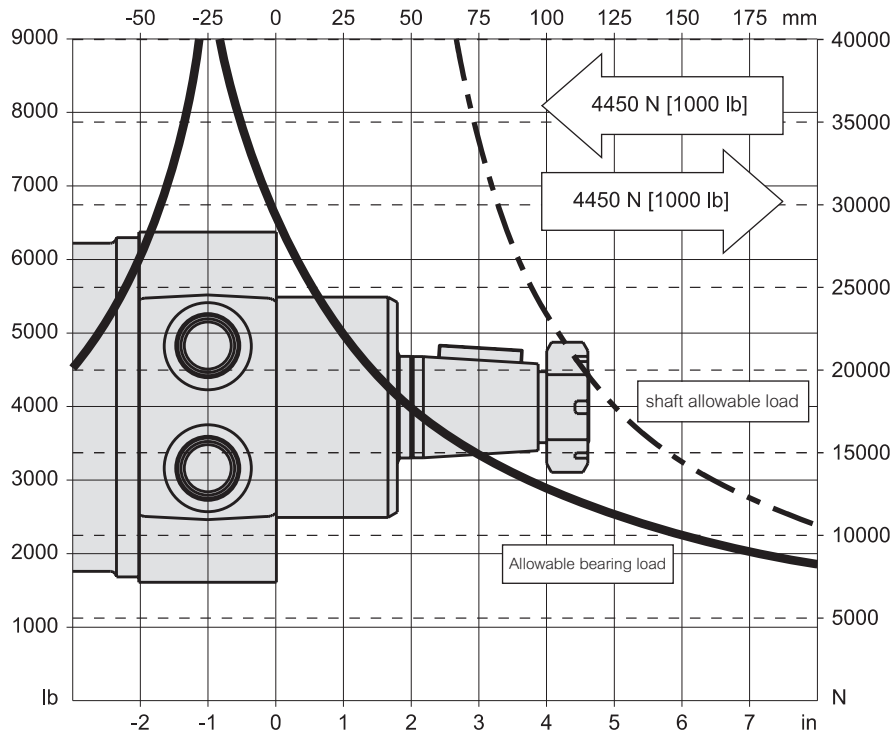
Dimension & Parameters

轴伸尺寸 Dimension Of Shaft Extension



马达轴承曲线 Motor Bearing Curve

The bearing curve represents the permissible bearing load, according to ISO 281, for 2000 hours of L10 at 100 rpm.



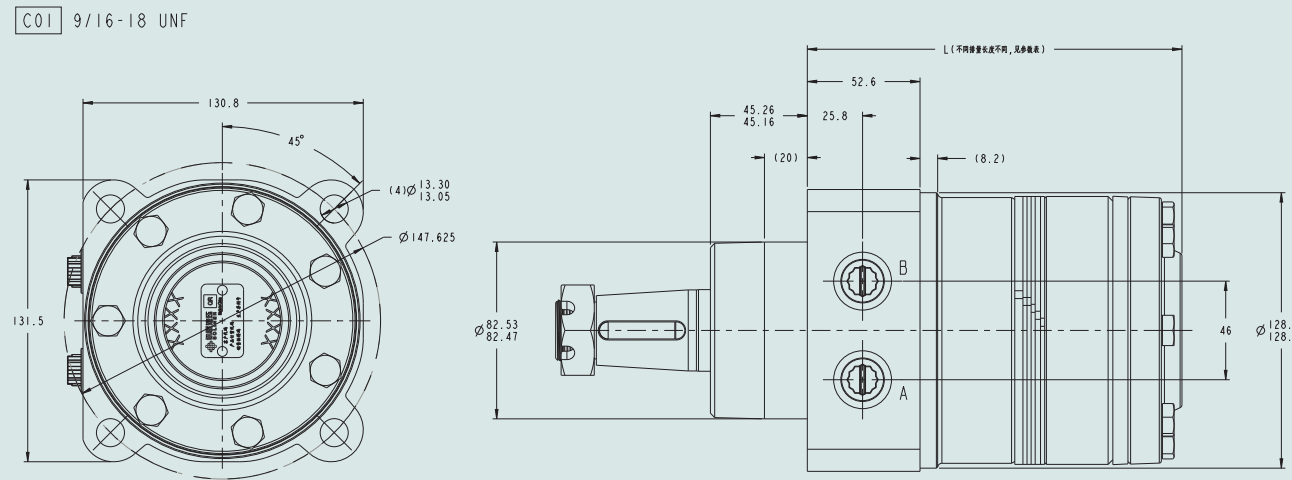
VRC系列液压马达尺寸&参数

Dimension & Parameters

技术参数 Technical Parameters

类型	VRC	160	200	230	260	300	350	375	400	470	540	750
排量 $\text{cm}^3[\text{in}^3/\text{rev}]$ Displacement $\text{cm}^3[\text{in}^3/\text{rev}]$		162[9.9]	204[12.4]	232[14.2]	261[15.9]	300[18.3]	348[21.2]	375[22.8]	400[24.4]	465[28.3]	536[32.7]	748[45.6]
最高转速rpm Maximum speed rpm	Continuous	370	300	260	260	250	220	200	165	160	140	100
	Interrupted	470	370	300	350	320	270	250	205	200	170	130
最大流量lpm[gpm] Maximum flow rate lpm[gpm]	Continuous	61[16]	68[18]	68[18]	76[20]	83[22]	83[22]	76[20]	76[20]	76[20]	76[20]	76[20]
	Interrupted	76[20]	83[22]	83[22]	91[24]	95[25]	95[25]	91[24]	91[24]	91[24]	91[24]	91[24]
最大扭矩Nm[lb-in] Max. torque Nm [lb-in]	Continuous	475[4200]	545[4800]	645[5700]	710[6300]	825[7300]	920[8105]	1005[8900]	1040[9220]	1095[9700]	980[8700]	1060[9400]
	Interrupted	540[4800]	635[5600]	710[6300]	790[7000]	935[8300]	1045[9250]	1055[10250]	1175[10400]	1185[10475]	1240[11000]	1235[1095]
最高压力bar[psi] Max. pressure bar [psi]	Continuous	207[3000]	207[3000]	207[3000]	207[3000]	207[3000]	207[3000]	207[3000]	207[3000]	172[2500]	138[2000]	103[1500]
	Interrupted	241[3500]	241[3500]	241[3500]	241[3500]	241[3500]	241[3500]	241[3500]	241[3500]	189[2750]	172[2500]	121[1750]
	peak	276[4000]	276[4000]	276[4000]	276[4000]	276[4000]	276[4000]	276[4000]	276[4000]	227[3000]	207[3000]	138[2000]
长度Lmm[inch] Length		158.7[6.25]	162.72[6.39]	164.7[6.48]	167.1[6.58]	170.4[6.71]	173.8[6.84]	176.7[6.96]	180.9[6.96]	184.4[7.12]	192.3[7.57]	208.5[8.21]

法兰油口尺寸 Dimensions Of Flange Oil Nozzle



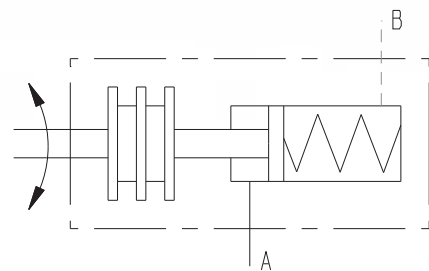
BAK系列液压制动器

BAK Series Hydraulic Brakes



概述 Overview

The BAK series hydraulic brake is a normally closed, caliper disc hydraulic brake designed for spring-loaded, hydraulically released brakes. The BAK series hydraulic brake is a normally closed, disk-plate hydraulic brake designed for hydraulic release of spring-applied brakes. It utilizes the spring force of the spring set to act on the dynamic. The brake utilizes the spring force of the spring set to generate braking force for the static and dynamic friction pads to stop the wheel from rotating or tending to rotate. It can be used for braking when the vehicle is moving slowly.



BRAKE

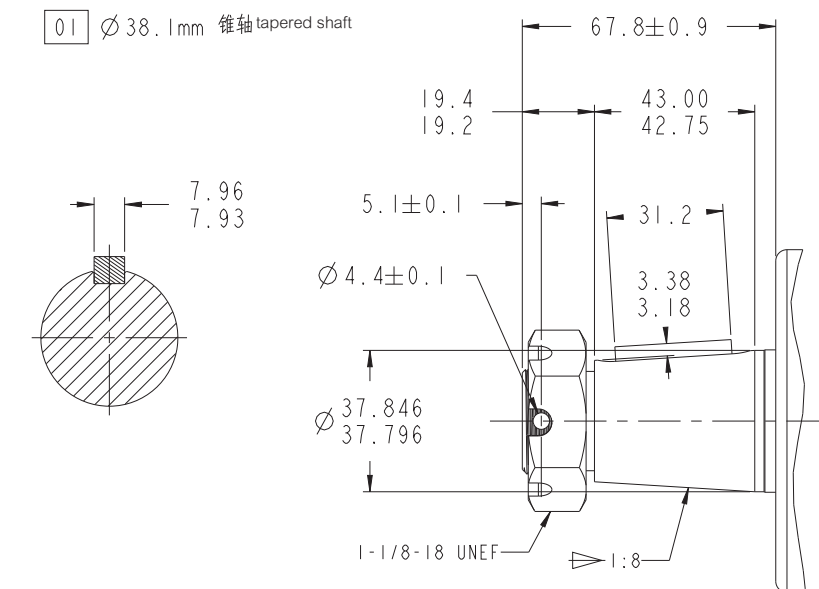
产品优点 Product Advantages

Simple structure and high braking reliability. The combination of roller bearing and needle roller bearing design provides high radial and axial load capacity. A variety of mounting and shaft extension options, widely applicable to a variety of working conditions. All core components are immersed in hydraulic oil for low noise and long life.

BAK系列液压制动器

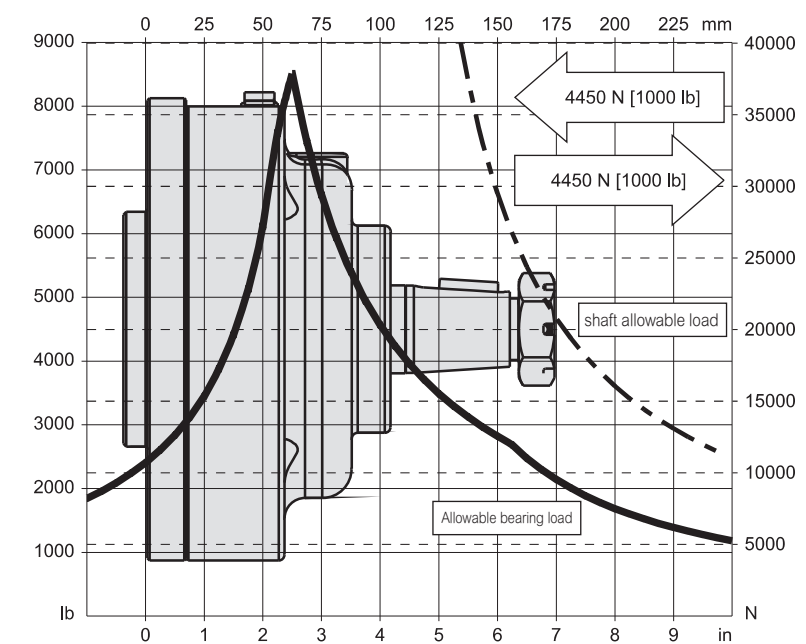
BAK Series Hydraulic Brakes

轴伸尺寸 Dimension Of Shaft Extension



制动器轴承曲线 Brake Bearing Curve

The bearing curves represent the allowable bearing loads, according to ISO281, and the bearing capacity for 2000 hours of L10 life at 100 rpm.



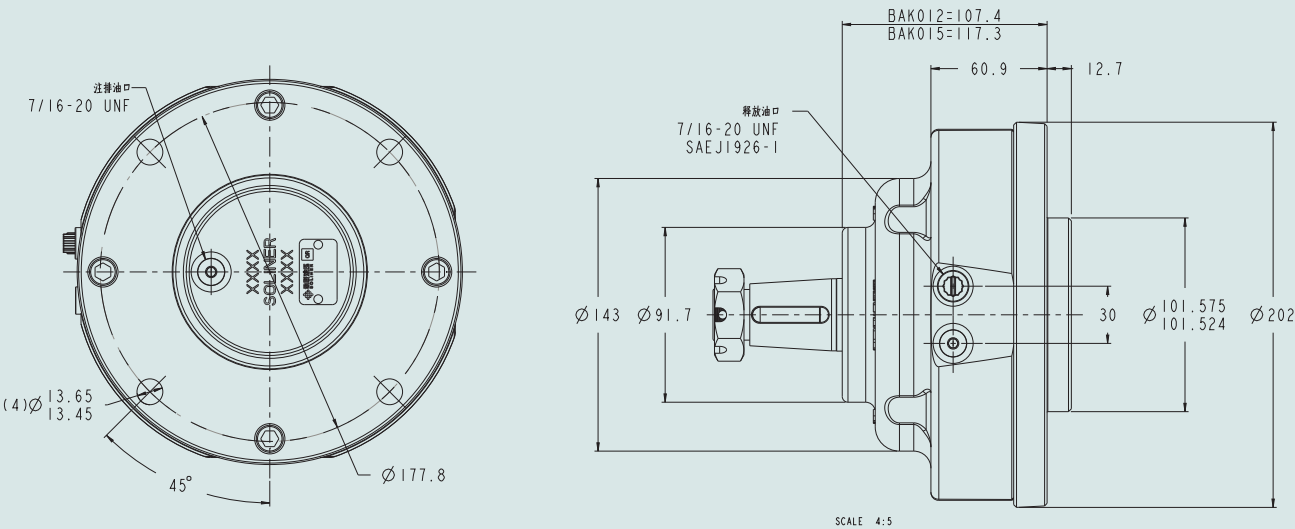
BAK系列液压制动器

BAK Series Hydraulic Brakes

液压制动器技术参数 Technical Parameters Of Hydraulic Brake

参数项目		BAK012系列	BAK015系列
最小静态扭矩 Minimum static torque	Nm[lb]	1130[10000]	1500[13300]
制动器释放压力 Brake release pressure	bar[psi]	28[400]	
最大承压能力 Maximum load capacity	bar[psi]	250[3570]	
制动腔释放最小油量 Minimum oil volume for brake release	cm³[in³]	11.5[0.7]	
最高转速 Maximum speed	rpm	250	
最高工作温度 Maximum operating temperature	°C	250	
重量 Weight	Kg[lb]	16.5[36.4]	17.3[38.2]

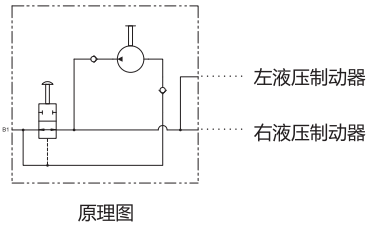
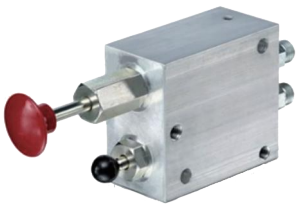
法兰油口尺寸 Dimensions Of Flange Oil Nozzle



手动释放泵——SHP系列

Manual Release Pump-SHP Series

概述 Overview

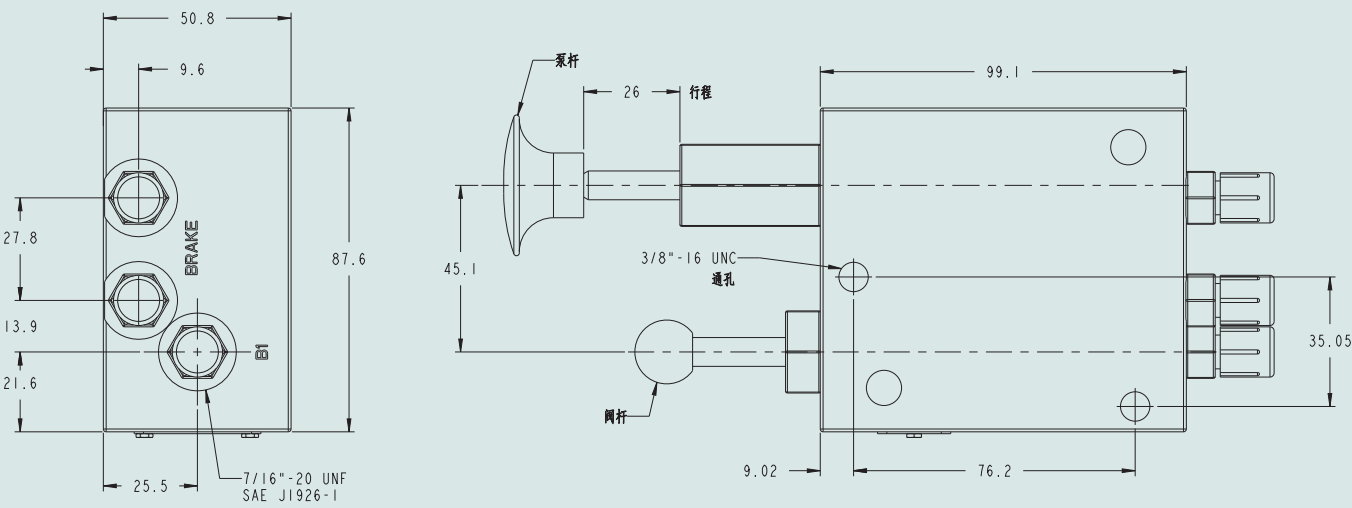


The SHP Series is a device designed to replace the existing, expensive and complex hand pumps for hydraulic brake releases on various types of mobile equipment. It is typically used to release various types of spring applied/hydraulic released brakes. Depending on the brake the SHP Series typically releases the brake after 1-5 pump strokes. This enables the equipment to be moved to a service area or charging/refueling station. To operate, the operator must depress the valve stem until it is firmly seated. The operator must then depress the pump lever. until the brakes release. If the hydraulic circuit becomes pressurized at any time during or after the SHP hand pump releases the brakes, the valve stem will automatically pop out and the mobile equipment will resume normal operation. This is a built-in safety feature that ensures normal brake operation of the equipment. SHP is a simplified product compared to currently available competing brands. In addition, the product is a cost-competitive alternative with superior performance and design flexibility.

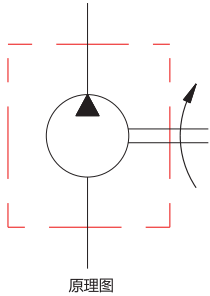
性能参数 Performance parameters

The unstroked output flow is 1-2 cm³, depending on oil viscosity, stroke speed and pressure.Maximum working pressure 276Bar[4000Psi]

法兰油口尺寸 Dimensions Of Flange Oil Nozzle



SGP齿轮泵
SGP Gear Pump



概述 Overview

SGP helical gear lubrication delivery oil pump can be widely used in wind power generation, filtration system, vacuum machinery, marine generator, reducer, lubrication system and other fields. It is a lubricating gear pump for high viscosity media. The shell is made of gray cast iron with strong load-bearing capacity, and high-strength alloy, stable performance and long life. It is used for media with high annual viscosity and can be used to transport various types of oil. Different from the gear pump using conventional spur gears, the spur gears enter into meshing at the same time along the tooth width, thus generating impact vibration noise and unstable transmission. When using helical gears, the gears start to mesh and disengage gradually, so the transmission is stable and the noise is low. The larger the helical angle of the helical gear, the greater the overlap, which is more conducive to smooth movement and noise reduction.

性能参数 Performance parameters

- 1. Nominal Weight
25 / 32 / 40 / 50 / 63 / 80 /100 / 112 / 150 / 180 /200~630
- 2. 2.Safety valve setting value: 16bar (higher pressure can be used as required)
- 3. Sealing material: Fluororubber
- 4. Application viscosity (cst) : 12~20000

注意事项 Matters Needing Attention

The fluid should have basic lubricity, should not contain solid impurities, and should be chemically compatible.
Avoid idling.
The pump can only be operated in the rated rotation direction, otherwise the shaft seal will be damaged.
To avoid excessive pressure, the system or pump should be equipped with a safety valve.
The safety valve installed on the pump serves as a short-term pressure relief valve and cannot be used as a relief valve.
Long-term overflow requires the installation of an independent overflow valve.

SGP齿轮泵
SGP Gear Pump

输送流量驱动功率 Transmission Flow Drive Power

*转速n=1450 1/min Speed

Pressure Pb (Unit) bar								Nominal size		Pressure Pb (Unit) bar							
2	4	6	8	10	15	20	25			2	4	6	8	10	15	20	25
3,6	3,6	3,5	3,5	3,5	3,4	3,3	3,2	2,5		0,04	0,05	0,08	0,1	0,12	0,14	0,16	0,2
5,7	5,7	5,6	5,6	5,5	5,4	5,4	5,3	4		0,06	0,08	0,1	0,12	0,15	0,2	0,25	0,3
6,9	6,8	6,8	6,7	6,7	6,6	6,5	6,4	5		0,07	0,1	0,12	0,15	0,19	0,27	0,35	0,43
8,9	8,8	8,8	8,7	8,6	8,4	8,2	8	6		0,08	0,11	0,15	0,18	0,22	0,32	0,39	0,47
11,3	11,2	11,1	11	10,9	10,8	10,6	10,4	8		0,09	0,14	0,18	0,22	0,26	0,37	0,47	0,58
14,2	14,1	14,1	13,8	13,7	13,4	13,1	12,8	10		0,11	0,16	0,21	0,27	0,32	0,45	0,58	0,72
17,6	17,5	17,4	17,3	17,2	16,9	16,7	16,5	12		0,12	0,19	0,26	0,32	0,39	0,55	0,72	0,89
22,2	21,9	21,7	21,4	21,2	20,5	19,9	19,3	16		0,16	0,26	0,37	0,47	0,57	0,82	1,08	1,33
27,9	27,5	27,1	26,8	26,4	25,5	24,5	23,6	20		0,17	0,28	0,39	0,49	0,6	0,87	1,14	1,41
35,3	35	34,7	34,4	34,1	33,3	32,6	31,8	25		0,24	0,34	0,47	0,61	0,74	1,08	1,41	1,75
45	44	43	43	42	41	39	37	32		0,3	0,5	0,7	0,8	1	1,4	1,9	2,3
57	56	55	55	54	52	50	48	40		0,4	0,6	0,9	1,1	1,3	1,8	2,3	2,9
70	69	68	67	66	64	61	58	50		0,5	0,8	1,1	1,3	1,6	2,3	2,9	3,6
88	87	86	85	84	81	78	75	63		0,7	1	1,3	1,7	2	2,9	3,7	4,5
114	113	112	111	110	107	105	103	80		0,9	1,4	1,8	2,2	2,6	3,6	4,6	5,7
144	142	140	138	137	131	128	126	100		1,2	1,6	2	2,5	3	4,3	5,7	7
161	159	157	154	152	147	142	138	112		1,4	2	2,6	3,1	3,7	5,2	6,7	8,2
181	178	175	172	169	162	155	147	125		1,7	2,3	2,9	3,6	4,2	5,8	7,4	9
218	216	213	211	209	203	197	191	150		2	2,7	3,5	4,2	5	6,9	8,9	11
264	261	257	254	251	242	234	226	180		2,3	3,2	4,1	5	5,9	8,2	10,4	12,7
293	290	287	283	280	272	264	256	200		2,6	3,6	4,6	5,6	6,6	9,1	11,6	14
356	352	348	344	341	334	327	321	250		3,1	4,3	5,6	6,8	8,1	11,2	14,3	17,4
455	450	446	442	439	431	424	418	315		4,1	5,7	7,2	8,8	10,4	14,3	18,3	22,2
579	573	567	562	557	545	535	524	400		5,6	7,5	9,5	11,5	13,5	18,4	23,4	28,5
719	712	707	701	696	684	673	662	500		7,4	9,8	12,2	14,7	17,2	23,4	29,7	36,1
902	894	887	880	874	858	845	834	630		10,1	13,2	16,4	19,6	22,9	31	39,1	47,4
Delivery flow Q (unit)								Required driving power P (unit)									

SGP齿轮泵
SGP Gear Pump

技术数据
Technical Data

Nominal size	Geometric conveying volume	Operating pressure	Maximum pressure (pressure peak)	Speed range		Permissible radial force (n=1500 1/min)	Sound pressure level dB (A)					
	V _g cm ³ /r	p _b bar	p _{max} bar	n _{min} 1/min	n _{max} 1/min	F _{radial} N	p = 5 bar	p = 15 bar	p = 25 bar			
2,5	2,55	25	40	200	3600	700	≤65	≤66	≤67			
4	4,03											
5	5,05											
6	6,38											
8	8,05											
10	10,11											
12	12,58											
16	16,09											
20	20,1											
25	25,1											
32	32,12											
40	40,21											
50	50,2									1500	≤67	≤68
63	63,18											
80	80,5											
100	101,5				3000	≤67	≤68	≤69				
112	113,5											
125	129,4											
150	155,6											
180	186,6				2500	≤65	≤65	≤65				
200	206,2											
250	245,1											
315	312,9											
400	399,5											
500	496,5		2000	2500	≤75	≤75	≤75					
630	622,5							35	≤77	≤77	≤77	
		30		≤78	≤78	≤80						

SGP齿轮泵
SGP Gear Pump

选型表
Selection List

Note: Paint options: Film thickness, corrosion protection complies with ISO 12944 C4-H

1 2 3	4 5 6	7	8	9 10	11	12 13 14	15 16 17
类型 Type	排量 Displacement	旋向 Rotation	前置轴承 Front Bearing	密封类型 Seal type	喷漆选项 Paint options	特殊选项 Special options	压力设定 (可不标) Pressure setting (optional)
SGP		R 右旋 Right L 左旋 Left		02 骨架油封 Skeleton oil seal FKM(BABSL)		197 用于含空气的油的低噪音规格 Low-noise version for oil-containing air	
	080 80ml/r 125 125ml/r 150 150ml/r 180 180ml/r 200 200ml/r		F DIN flange without front bearing			None No marking (no overflow valve) D25 Pressure setting range (0-25bar) Default setting	
					A RAL5003蓝宝石蓝 Sapphire Blue B RAL5005信号蓝 Signal Blue C RAL5007亮蓝色 Bright blue D RAL5014鸽蓝色 Pigeon blue E RAL5015天蓝色 Sky blue Z 不喷漆 No paint		

