

Cylinder — Concrete Batching Plant Accessories



- HSG series hydraulic cylinder
- SC series pull rod type cylinder



Henan Hiya Mechanical Equipment Co., Ltd.

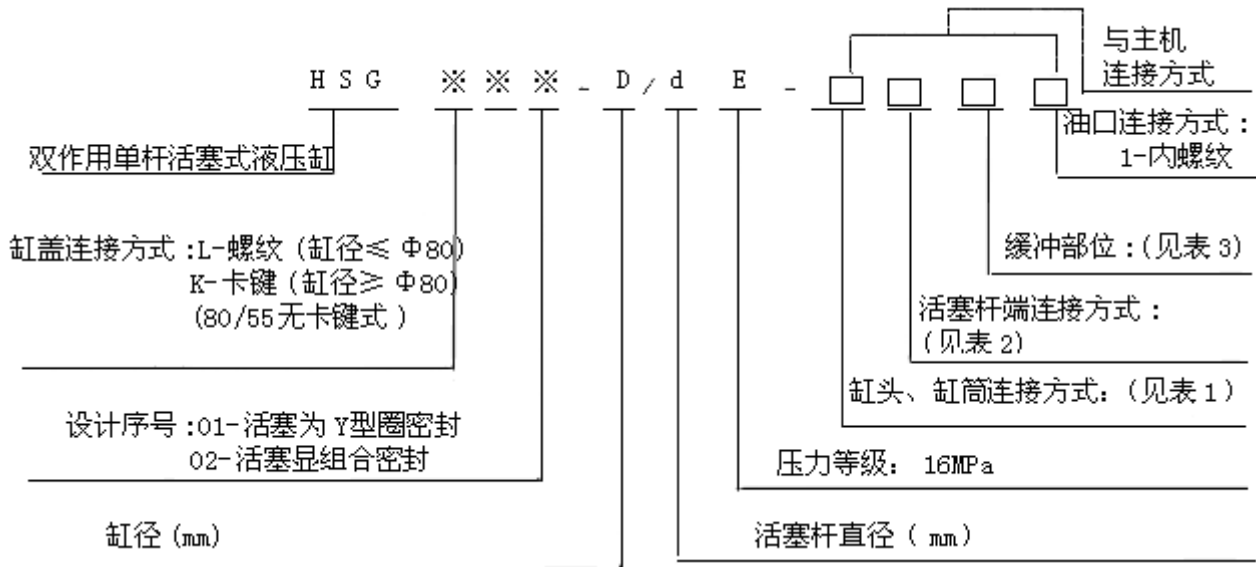
Catalog 2015

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● HSG series engineering hydraulic cylinder

HSG series double acting single piston rod hydraulic cylinder, the hydraulic system is as execution mechanism reciprocating straight-line motion. It is suitable for engineering machinery, mining machinery, metallurgical machinery, overweight transportation machinery and other machinery etc..

1. Description of model



HSG: TYPE L: Screw thread type, $D \leq 80$; K: Card key type, $D \geq 80$;

01: Piston type Y sealing ring; 02: The piston is a combined seal ring.

D: Diameter of cylinder;

d: Piston rod diameter ; E: Pressure rating.

2. Cylinder head, cylinder connection mode

NO.	Connection Mode	Remark
1	Cylinder head earrings with liner	
2	Cylinder head mounted joint bearing Earrings	
3	Hinge shaft	
4	End flange	For $D \geq 80$ cylinder diameter
5	Central flange	

3. The end of piston rod connection mode

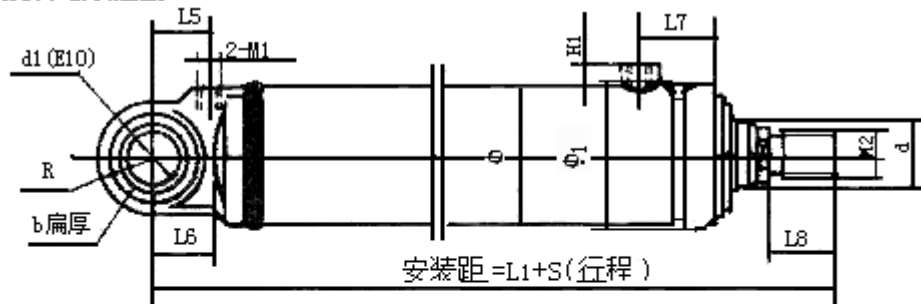
NO.	Connection Mode	备注
1	Rod end external thread	NO.2、4、6、use for $D \geq \phi 63$
2	Rod end internal thread	
3	Rod end external thread has earrings with liner	
4	Rod end internal thread has earrings with liner	
5	Rod end external thread has earrings installed joint bearing	
6	Rod end internal thread has earrings installed joint bearing	
7	The integral type piston rod has earrings with liner	Use for $D = \phi 40$ 、 $\phi 5$
8	The integral type piston rod has earrings installed joint bearing	

4. The buffer parts

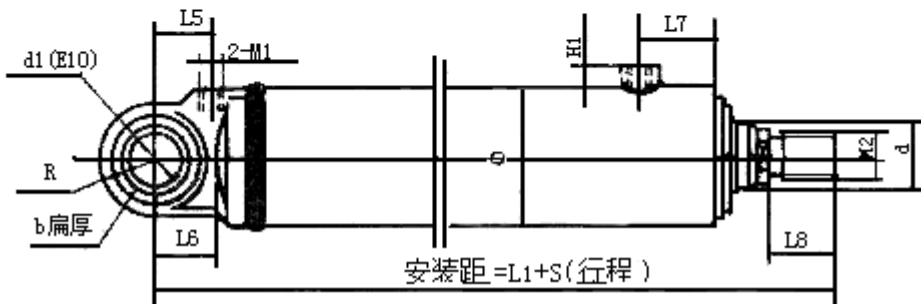
NO.	buffer parts	Remark
0	Without the buffer	$D = \phi 40$ 、 $\phi 50$ 、 $\phi 63$ without the buffer; ratio=2 only has cylinder head end with buffer
1	With buffer at both ends	
2	Cylinder head end with buffer	
3	The rod head end with buffer	

Drawing:

1. 活塞杆端为外螺纹连接:



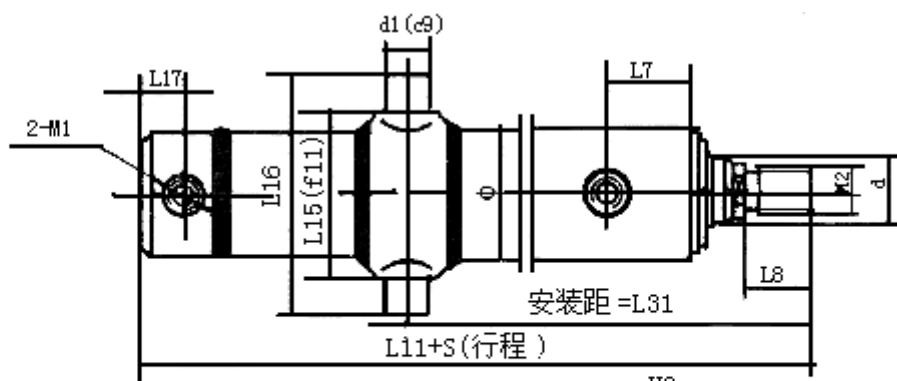
1. 耳环连接
2. 耳环连接



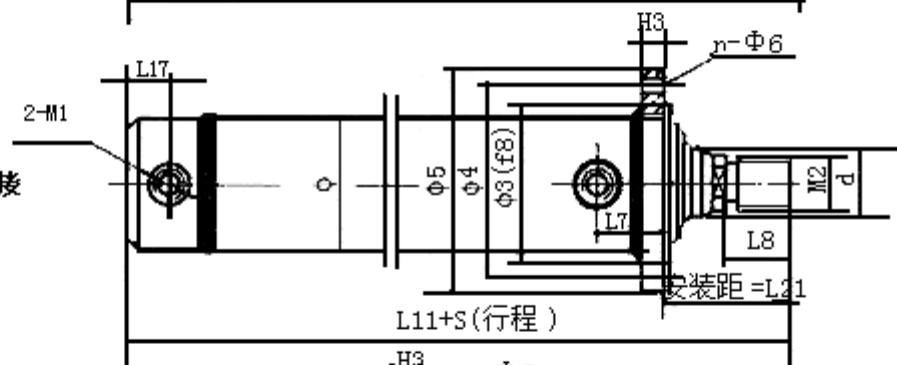
1. Rod end external thread;

1. 2. Earrings connection;

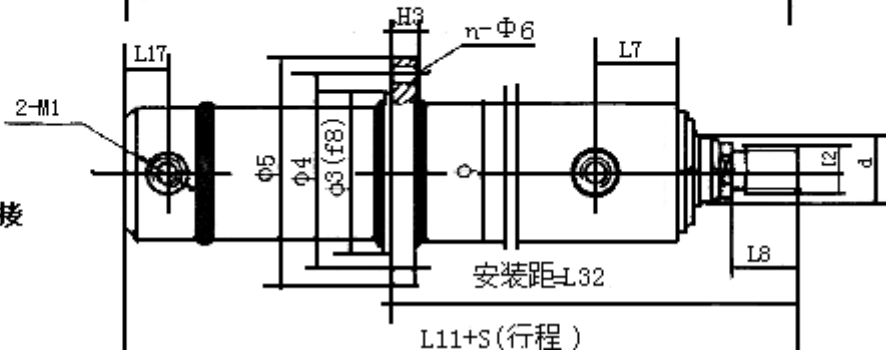
3. 铰轴连接



4. 端部法兰连接



5. 中部法兰连接



3. Hinge shaft connection; 4. End flange connection; 5. Central flange connection

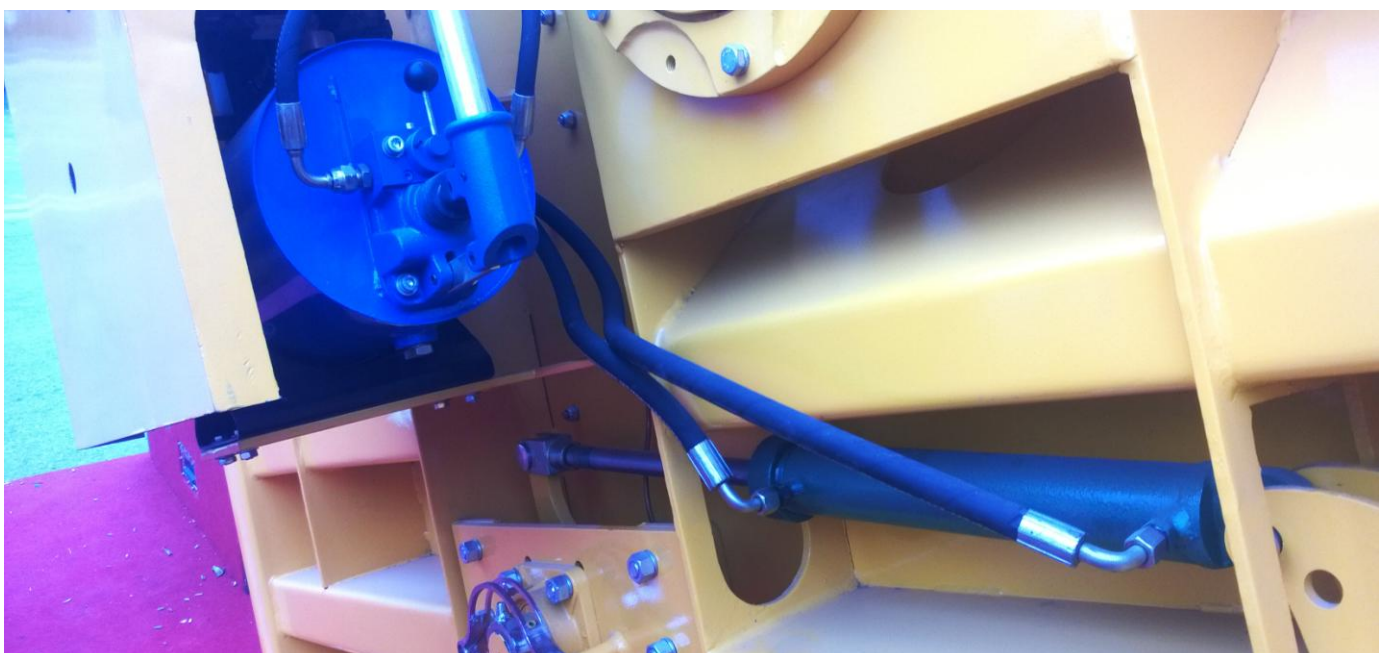
5. Parameters

Type	Nominal Pressure (Mpa)	D (mm)	Speed ratio Ψ						S1 (mm)
			1.33		1.46		2		
			d (mm)	S (mm)	d (mm)	S (mm)	d (mm)	S (mm)	
HSGL※※- 40/dE	16	40	20	320	22	400	25	480	
HSGL※※- 50/dE		50	25	400	28	500	32	600	
HSGL※※- 63/dE		63	32	500	35	630	45	750	
HSGL※※- 80/dE		80	40	640	45	800	55	950	
HSGL※※- 80/dE		80	40	640	45	800	/	/	30
HSGK※※- 90/dE		90	45	720	50	900	63	1080	40
HSGK※※- 100/dE		100	50	800	55	1000	70	1200	40
HSGK※※- 110/dE		110	55	880	63	1100	80	1320	40
HSGK※※- 125/dE		125	63	1000	70	1250	90	1500	35
HSGK※※- 140/dE		140	70	1120	80	1400	100	1680	45
HSGK※※- 150/dE		150	75	1200	85	1500	105	1800	50
HSGK※※- 160/dE		160	80	1280	90	1600	110	1900	40
HSGK※※- 180/dE		180	90	1450	100	1800	125	2150	45
HSGK※※- 200/dE		200	100	1600	110	2000	140	2400	45
HSGK※※- 220/dE		220	110	1760	125	2200	160	2640	50
HSGK※※- 250/dE		250	125	2000	140	2500	180	3000	55
HSGK※※- 280/dE		280	140	2240	160	2800	200	3360	
HSGK※※- 300/dE		300	150	2400	168	3000	210	3600	
HSGK※※- 320/dE		320	160	2560	180	3200	220	3840	
HSGK※※- 360/dE		360	180	2880	200	3600	250	4320	
HSGK※※- 400/dE	400	200	3200	220	4000	280	4800		

Note: S: The maximum stroke; S1: The minimum stroke non hinge shaft connection.

The speed ratio : refers to the effective area of the piston and the piston rod cavity effective area ratio.

6. Application



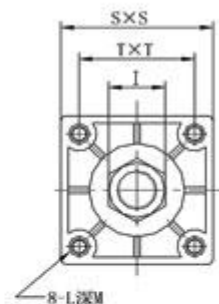
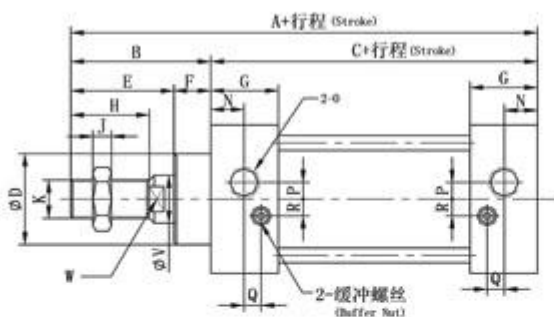
● SC series pull rod type cylinder

订购代号/Specification

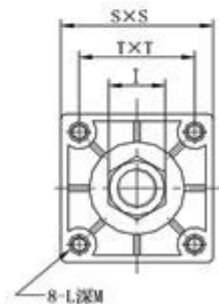
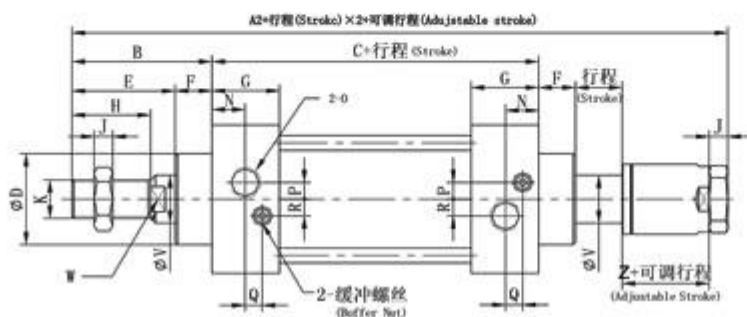
SC	D	50 × 50	LB	S	2	
系列/Series SC:拉杆式; SU:拉杆内藏式 SC:Pull Rod Type; SU:Hidden Pull Rod Type	空白:标准复动型 D:双轴复动型 J:双轴可调行程型 Blank:Standard Double Action; D:Double-shaft Double Action; J:Double-shaft and adjustable stroke type	缸径 Cylinder Bore	行程 Stroke	固定型式/ Mounting Type 空白:基本型 LB:前后固定型 FA:前盖固定型(前法兰) FB:后盖固定型(后法兰) CA:后盖固定型(单耳环) CB:后盖固定型(双耳环) TC:中间摆摆式 Blank:Basic type LB:Front and back fixed type FA:Front cover fixed type(Front flange type) FB:Back cover fixed type(Rear flange type) CA:Back cover fixed type(Single Earring) CB:Back cover fixed type(Double Earring) TC:Swinging type	磁石代号 Magnet Code: S:附磁石;空白: 不附磁石 S:With magnet Blank: Without magnet	感应器数量 The number of sensor: 1:1个.2:2个

外形尺寸/Overall Dimensions

TYPE:SC



TYPE:SCJ



尺寸表/Dimension Sheet

内径/符号 Bore/Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	140	187	182	47	93	28	32	15	27.5	22	17	6	M10 × 1.25	M6 × 1
40	142	191	185	48	93	32	34	15	27.5	24	17	7	M12 × 1.25	M6 × 1
50	150	207	196	57	93	38	42	15	27.5	32	23	8	M16 × 1.5	M6 × 1
63	153	210	199	57	96	38	42	15	27.5	32	23	8	M16 × 1.5	M8 × 1.25
80	183	258	243	75	108	47	54	21	33	40	26	10	M20 × 1.5	M10 × 1.5
100	189	264	249	75	114	47	54	21	33	40	26	10	M20 × 1.5	M10 × 1.5
125	228	—	—	105	123	55	75	30	33	54	40	10	M27 × 2	M12 × 1.75
160	275	—	—	130	145	65	100	30	42	72	55	18	M36 × 2	M16 × 2
200	280	—	—	135	145	65	100	35	42	72	55	18	M36 × 2	M16 × 2

内径/符号 Bore/Symbol	M	N	O	P	Q	R	S	T	V	W	Z
32	9.5	13.2	G1/8"	3.5	7.5	7	45	33	12	12	21
40	9.5	1.5	G1/4"	6	8.2	9	50	37	16	14	21
50	9.5	13.5	G1/4"	8.5	8.2	9	62	47	20	17	23
63	9.5	13.5	G3/8"	7	8.2	8.5	75	56	20	17	23
80	11.5	16.5	G3/8"	10	9.5	14	94	70	25	22	29
100	11.5	16.5	G1/2"	11	9.5	14	112	84	25	22	29
125	15.5	16.5	G1/2"	—	—	—	140	110	32	27	—
160	17.5	25	G1/2"	—	—	—	180	140	40	36	—
200	17.5	25	G3/4"	—	—	—	220	175	40	36	—

