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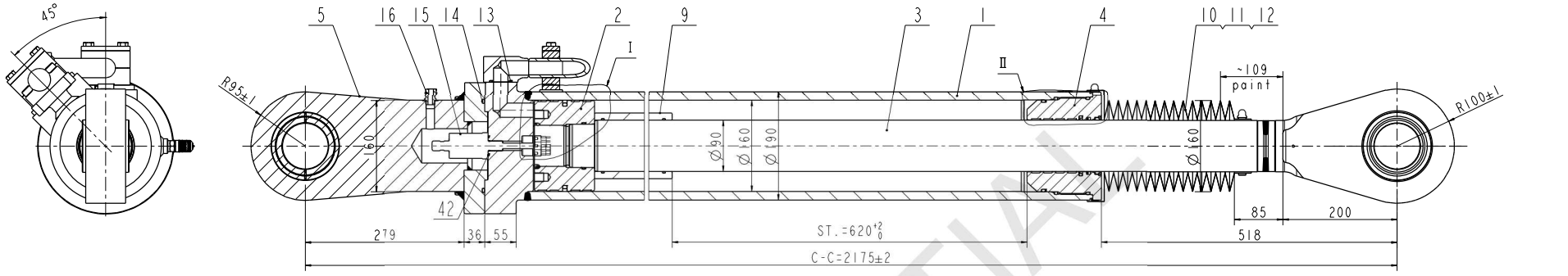
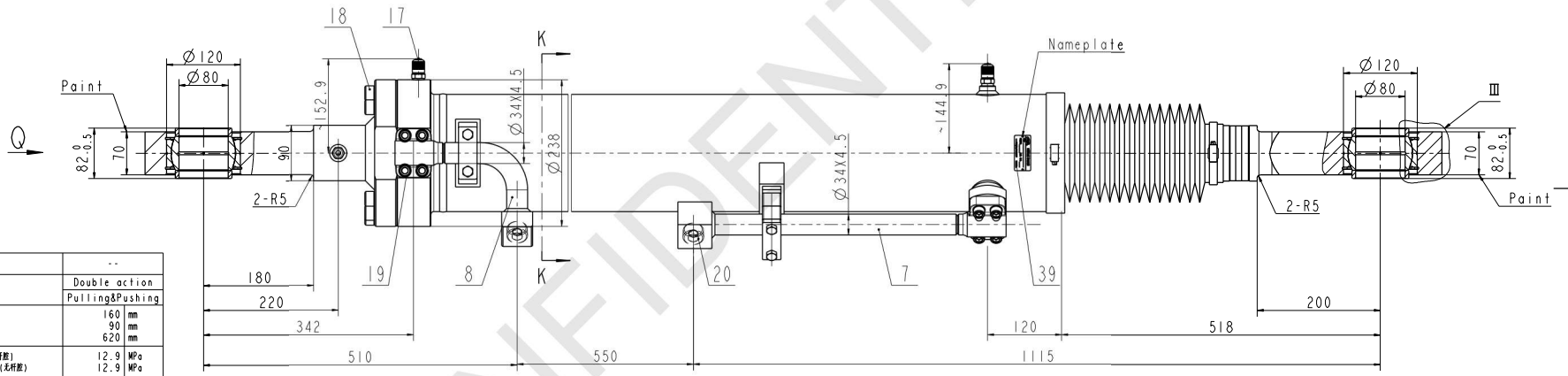
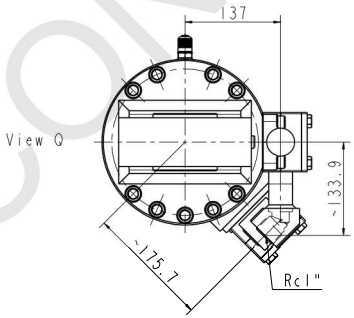
IHI-FI7112706

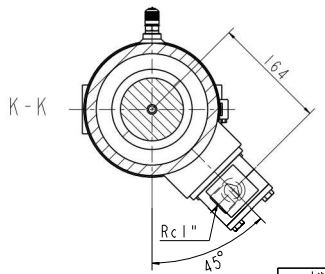
The sensor type:RH-M-0680M-H03-A-A01
Connection type:3m PUR cable w/o connector
Connect 50m cable with connector
Input voltage: +24 VDC
Output: 4-20 mA

订正 REVISION	修订日期 DATE	记事 DESCRIPTION	订正编号 CHANGE ORDER NO.	设计 DESIGN	批准 APPD
B	2018.12.3	Increase the stroke of the sensor			









CLASSIFICATION SOCIETY(船级社)		--
MODE OF OPERATION(工作模式)		Double action Pulling&Pushing
BORE (缸径)		160 mm
ROD DIAMETER (杆径)		90 mm
STROKE (行程)		620 mm
WORKING PRESSURE (工作压力)	ROD SIDE(有杆腔)	12.9 MPa
	BOTTOM SIDE(无杆腔)	12.9 MPa
DESIGN PRESSURE (设计压力)	ROD SIDE(有杆腔)	12.9 MPa
	BOTTOM SIDE(无杆腔)	12.9 MPa
TEST PRESSURE (试验压力)	ROD SIDE(有杆腔)	19.3 MPa
	BOTTOM SIDE(无杆腔)	19.3 MPa
MAXIMUM PULLING FORCE (最大拉力)		177 KN
MAXIMUM PUSHING FORCE (最大推力)		259 KN
MAXIMUM SPEED (最大速度)	MOVING"OUT"(伸出)	39 mm/sec
	MOVING"IN" (缩回)	39 mm/sec
MINIMUM SPEED (最小速度)	MOVING"OUT"(伸出)	mm/sec
	MOVING"IN" (缩回)	mm/sec
HYDRAULIC MEDIUM(液压介质)		Mineral oil VG46/32
MOVING FREQUENCY(工作频率)		/DAY(天)
MOUNTING ANGLE ROD TO HORIZONTAL (RETR,)(缩回) (安装角度-活塞杆与水平线的夹角)	(EXT,)(伸出)	° °
DESIGN TEMPERATURE(设计温度)		-10~+45 °C
LATERAL FORCES(径向力)		N(牛顿)
SURFACE CONDITION:(表面处理:)		
BORE:(缸筒:)		Honed μm
ROD:(活塞杆:)		Ni≥30+HCr≥30 μm
PRESERVATION:(喷涂:) SHOTBLAST SA 2 1/2 ISO-8501-01(=SSa2.5 ISO-8501-01)		
Zinc rich epoxy primer		80 μm
Epoxy intermediate primer		110 μm
2-Comp.Polyurethane(Signal yellow,glass,RAL1003)		50 μm
AVERAGE DRY FILM THICKNESS(D,F,T,)(总干膜厚度)		~240 μm

NOTE
1.All parts must be cleaned,without fragment and water, fit surfaces with clean lipa;
2.The surface of all seals and O-rings without any defect, such as crush injury,sgraffito etc;
3.Assembling,testing and delivery of hydraulic cylinder should be according to construction drawing and technical requirements;
4.The oil ports should be protected by plugs after testing.

未注公差一览表 GENERAL DIMENSION TOLERANCE			
尺寸区分 DIMENSION	机加工 MACHINING	焊接加工 WELDING	
0.5≤L≤6	±0.1	±1	
6<L≤30	±0.2		
30<L≤120	±0.3		
120<L≤400	±0.5	±2	
400<L≤1000	±0.8		
1000<L≤2000	±1	±3	
2000<L≤4000	±2	±4	
L>4000	±2	±6	

设计 Drawn by	Guan Tao	
校对 Proofed by	Liao Wei	
审核 Checked by	Song Tao	
批准 Approved by		
DATE	2018.12.3	

Holding Cylinder
BKIBA88

图样标记 PROJ		重量 WEIGHT	比例 SCALE
		297.0kg	1:5

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江苏恒立液压股份有限公司
JIANGSU HENGLI HYDRAULIC CO.,LTD.

160/90X620-2175

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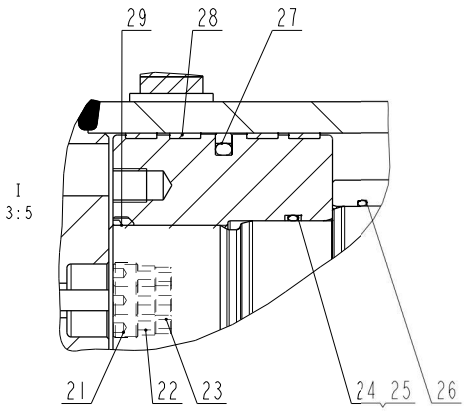
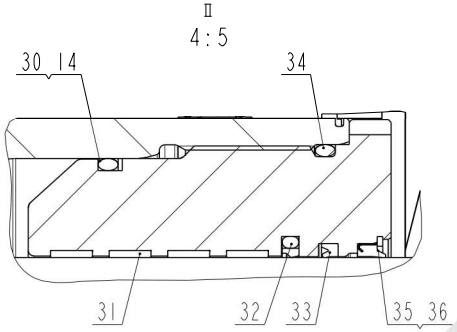
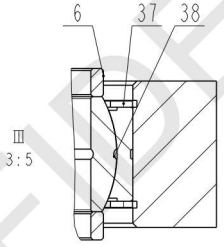
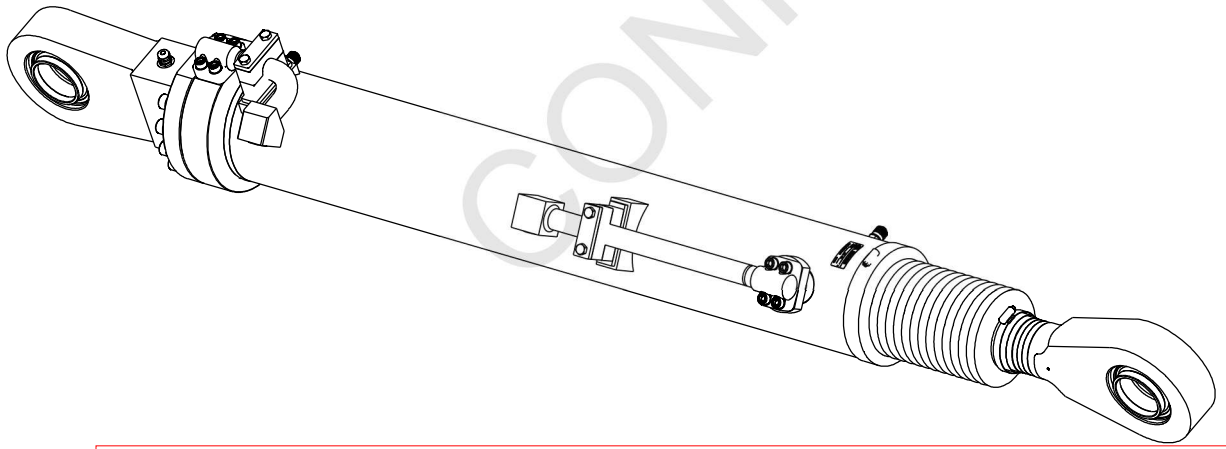
IHI-FI7112706

序号 REVISION	修订日期 DATE	更改内容 DESCRIPTION	更改通知单号 CHANGE ORDER NO.	设计 DESIGN	批准 APPD









序号 ITEM	代号 SUB NO.	版本 REV.	名称 DESIGNATION	规格 TYPE	数量 QTY	材料 MATERIAL	重量 WEIGHT	品牌 BRAND	备注 REMARK
42	2-123		O-Ring	φ29.82x2.62	1	NBR-90		Trelleborg	
41	221506		Connector	φ6-8,IP67	1			MTS	
40	22-15-530131-21-15		Cable	50m,两端带0.6管接头 IP67	1			MTS	
39	00000.0112Y.000		Name plate	不锈钢-恒立英文标牌(水)-58*26.5*0.5mm	1	Stainless steel			
38	GE80ES-2RS		Spherical bearing	GE80ES-2RS	2			无锡	
37	GB 893.1		Circlips	φ120	4	65Mn			
36	Q/HL 102222-2016		Ring	d90/φ107x2	1	65Mn			
35	PA 90x100x7x10		Wiper ring	φ90xφ100x7x10	1	TPU W93		SKF	
34	2-362		O-Ring	φ158.12x5.33	1	NBR-90		Trelleborg	
33	BJ 090A P5008		Rod Seal	φ90xφ100x7	1	PU		Parker	
32	BR0000900-P2N0		Buffer Ring	φ90xφ105.1x6.3	1	PNR+NT01		HRD	
31	Q/HL 102203-2010		Wear ring	φ95xφ90x15	4	RS40		Soltri	
30	Q/HL 102204-2010		Back-up ring	φ161xφ152.3x1.5	1	PTFE+Cu			
29	GB/T 78		Set screw	M8x10	2	45H			
28	Q/HL 102203-2010		Wear ring	φ160xφ155x15	4	RS40		Soltri	
27	SPS001600-P2N0		Piston Seal	φ160xφ139x8.1	1	PNR+NT01		HRD	
26	2-238		O-Ring	φ88.49x3.53	4	NBR-90		Trelleborg	
25	Q/HL 102204-2010		Back-up ring	φ81.5xφ76x1.5	2	PTFE+Cu			
24	2-234		O-Ring	φ75.79x3.53	1	NBR-90		Trelleborg	
23	Q/HL 10143.3-2013		Magnetic washer	φ32xφ14x8	1	QAL9-4			
22	201542-2		Magnetic ring	φ33xφ13.5x8	1	PA		MTS	
21	Q/HL 10143.4-2013		Magnetic nut	M36x1.5	1	QAL9-4			
20	JB/ZQ 4446		Plug	R1	2	35			
19	GB/T 70.1		Screw	M12x40	8	10.9			
18	GB/T 70.1		Screw	M16x60	9	10.9-flZnyc-480H			
17	SKK-20-G1/4-PC-C6F		Testing pressure adapter	G1/4	2	Carbon steel		Stauff	
16	HSM-M16		Waterproof Adapter	M16x1.5(φ4-8)	1	Metal		上海沃福	
15	RH-M-0680M-H03-A-A01		Sensor	模拟量，4-20mA	1			MTS	
14	2-360		O-Ring	φ148.59x5.33	2	NBR-90		Trelleborg	
13	2-219		O-Ring	φ32.92x3.53	2	NBR-90		Trelleborg	
12	JB/T 8870		Hose clamps	90-110	1	1Cr18Ni9Ti			
11	Q/HL 102207-2011		Hose clamps	180-200	1	1Cr18Ni9Ti			
10	Q/HL 102215-2013		Dustproof cover	160/95X195/95X50/90 OX30/30(拉链式)	1	PVC			
9	Q/HL 102223.2-2018			φ90xφ115x200	2				
8	11410.0012Y.800	A	PipeB		1	316L	2.3		
7	11410.0012Y.700	A	PipeA		1	316L	3.3		
6	11410.0012Y.006	A	Locating sleeve		4	316L	0.2		
5	11410.0012Y.500	A	Bottom		1	Q345D	39.2		
4	11410.0012Y.004	A	Guide bush		1	Q345D	14.7		
3	11410.0012Y.300	A	Rod		1	Q345D	94.3		
2	11410.0012Y.002	A	Piston		1	Q345D	12.1		
1	11410.0012Y.100	A	Barrel		1	Q345D+Q345D	108.3		

未注公差一览表 GENERAL DIMENSION TOLERANCE				设计 Drawn by	Guan Tao	Holding Cylinder BK1BA88		江苏恒立液压股份有限公司 JIANGSU HENGLI HYDRAULIC CO.,LTD.
尺寸区分 DIMENSION	机加工 MACHINING	焊接加工 WELDING		校对 Proofed by	Liao Wei			
0.5≤L≤6	±0.1	±1		审核 Checked by	Song Tao			160/90X620-2175
6<L≤30	±0.2			批准 Approved by		图样标记 PROJ	重量 WEIGHT	比例 SCALE
30<L≤120	±0.3			日期 DATE	2018.12.03		297.0kg	1:5
120<L≤400	±0.5	±2				共 3 张	第 2 页	IHI-FI7112706 B
400<L≤1000	±0.8							
1000<L≤2000	±1.2	±3						
2000<L≤4000	±2	±4						
4000<L≤8000	±2	±6						

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