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华青船配 MARINE FITTING HUAQING



江苏华青流体科技有限公司
Jiangsu Huaqing Fluid Technology Co.,Ltd.

企业简介 Company Profile



江苏华青流体科技有限公司（张家港保税区华青机械密封有限公司）始建于1993年，主要从事机械密封、磁流体密封、旋转接头密封、船用艉轴密封的研发、生产和销售。是中国液压气动密封件工业协会理事、中国机械工程学会流体分会密封专业委员会委员单位、全国机械密封标准化委员、苏州市军工行业协会会员单位、张家港市密封件商会会长单位。产品注册商标为“”。已评为“江苏省著名商标”、“华青”字号已评为苏州企业知名字号。

公司是江苏省高新技术企业，十佳科技创新企业，民营科技企业。公司重视科技研发投入，先后与江苏大学、沈阳理工大学建立研究生工作站、苏州市机械密封，磁流体密封工程技术研究中心，并成立苏州市企业技术中心。公司申报专利数十件，其中已授权发明专利5件，实用新型专利18件，承担了国家火炬计划2项，中小型创新基金1项，10项新产品被评为江苏省高科技技术产品。公司作为第一起草人起草了《潜水电泵用机械密封》标准，并已颁布实施。华青船用机械密封多年来成功地应用在造船业及船舶修造厂，该类密封均按标准型式尺寸制造，使用时能达到合理的最佳效果。公司生产的船用艉轴密封装置、中间轴承、推力轴承等在行业内均达到领先水平，尤其艉轴密封装置方面，华青掌握了国际上多种先进的艉轴密封装置技术（见样本内详细介绍）由于产品技术的先进性给船舶运行带来了长期稳定的可靠性能；给用户维修装配等方面节约了大量人力、物力、财力，并大大缩短了装配维修工期等等。公司有现代化厂房2万余平方米。位于长江之滨的张家港环保产业园区，交通位置便捷，欢迎新老用户、各界人士莅临考察指导！

Jiangsu Huaqing Fluid Technology Ltd. (Huaqing Mechanical Seal Ltd., Zhangjiagang Free Trade Zone) was founded in 1993, is mainly engaged in research, development and sales of mechanical seals and auxiliary systems, magnetic fluid seals, rotary joint seals, marine stern shaft seal. The company is a member of China Hydraulics Pneumatics & Seals Association, a first-class supplier of market of China Petrochemical Corporation, a member of Chinese Mechanical Engineering Society fluid branch seal professional committee, a member of National Mechanical Seal Technical Committee for Standardization, a member of Suzhou Military Industry Association, the third level secrecy qualification unit, president unit of Zhangjiagang Chamber of Commerce. The registered trademark of our products is "", and has been awarded as "Jiangsu famous trademark". "Huaqing" has been awarded the well-known enterprise in Suzhou.

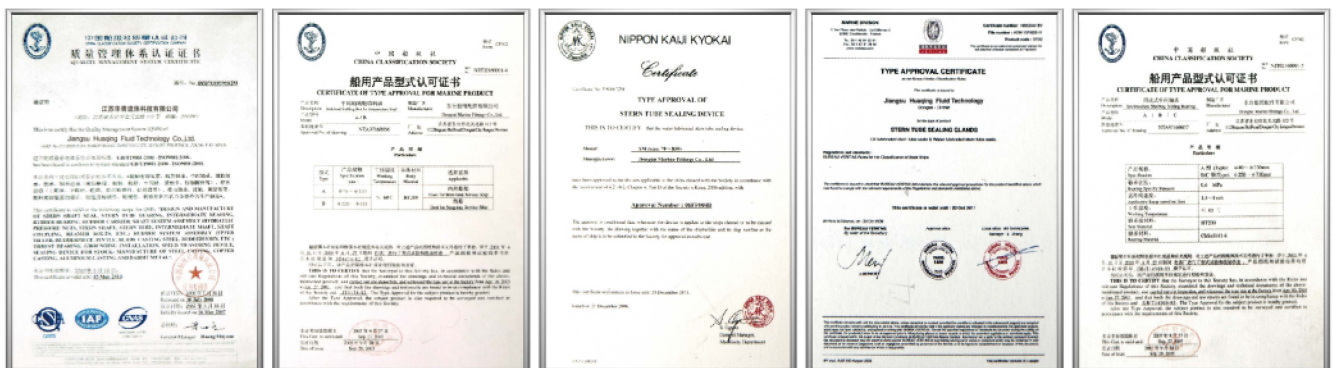
Our company is a high-tech enterprise and private-own technical enterprise in Jiangsu Province. We focus on the technical investment, gradually launching graduate workstation and Suzhou Mechanical Seals Engineering Research Center with Jiangsu University, Shenyang University of Technology. We have also established Enterprise Technology Center in Suzhou. The company has declared tens of patents, in which 5 items have been authorized and 18 items are utility model patents, undertaking 2 National Torch Plan projects, 2 fund projects of technological innovation of small and medium-sized enterprises. 10 new products are awarded high-tech products in Jiangsu Province. We company, as the first drafter, drafted the standard of "Mechanical Seal for Submersible Pump" which has went into effect. HuaQing Marine mechanical seal applied successfully for many years in the shipbuilding industry and dockyard, and the seal are made according to standard type size, can use to achieve the desired effect of the reasonable. The Marine stern shaft sealing device, intermediate bearing and thrust bearing reached leading level in the industry, especially the stern shaft sealing device, HuaQing mastered a variety of international advanced technology of stern shaft sealing device (see sample details) due to the advanced product technology brought ship operation of long-term, stable and reliable performance; Assembly to the user maintenance aspects such as saving a large amount of manpower and material resources, financial resources, and greatly shortened the assembly maintenance period and so on. Our enterprise with a modern plant of more than 20000 square meters undertakes a variety of non-standard product design with high difficulty, manufacture and consulting. Zhang Jiagang environmental protection industrial park with convenient transportation location in the shore of the Yangtze river welcome the new and old users, people from all walks of life to visit for guidances.

企业荣誉 Enterprise Honor



优良的品质是我们贯穿始终的生命线，是我们企业发展的核心所在。正因为我们对完美的产品品质始终如一的不懈追求，使我们赢得了国内外客户的一致肯定，并通过了世界众多国家船级社的认可。

Excellent quality is our lifeline, throughout is the core of the development of our enterprises. Because of our unremitting pursuit of the perfect product quality consistent, consistent affirmative, enabled us to win the customers both at home and abroad and by many countries in the world of the classification society recognized.



生产设备 Production Equipment

江苏华青流体科技有限公司拥有较强的设计制造能力，可年产150多船套轴、舵系成套产品以及50万吨船舶以下的平面摩擦水密上舵承，公司拥有3.5米、2.5米、1.6米立式车床、14米超长车床、5.9米落地镗铣床、0.5x2米平面磨床、1x1.2米大锥度线切割机床、6米龙门铣床、1.2米超大研磨机、大型立式加工中心等金加工设备 & 橡胶生产试验设备，可以满足单重30吨以下、长度14米以下的各类艉轴、舵轴及大型船用铸锻件的金属切削加工和制造。



Jiangsu HuaQing fluid technology co., LTD. Has the strong ability of design and manufacture, the annual output of more than 150 sets of ship shaft, rudder system complete sets of products, and the plane under 500000 tons ship rudder bearing friction watertight, the company has 3.5 meters, 2.5 meters, 2.5 meters 14 m long 5.9 meters lathe, vertical lathe, floor boring and milling machine, 0,5 x2 meters surface grinding machine, 1 x1.2 meters big taper wedm milling planer, 6 m, 1.2 meters large grinding machine, large vertical machining center and other gold processing equipment and test equipment for the production of rubber, can satisfy the single weighed 30 tons the following 14 meters, length of stern shaft, rudder shaft and metal cutting processing and manufacturing of large Marine castings and forgings.

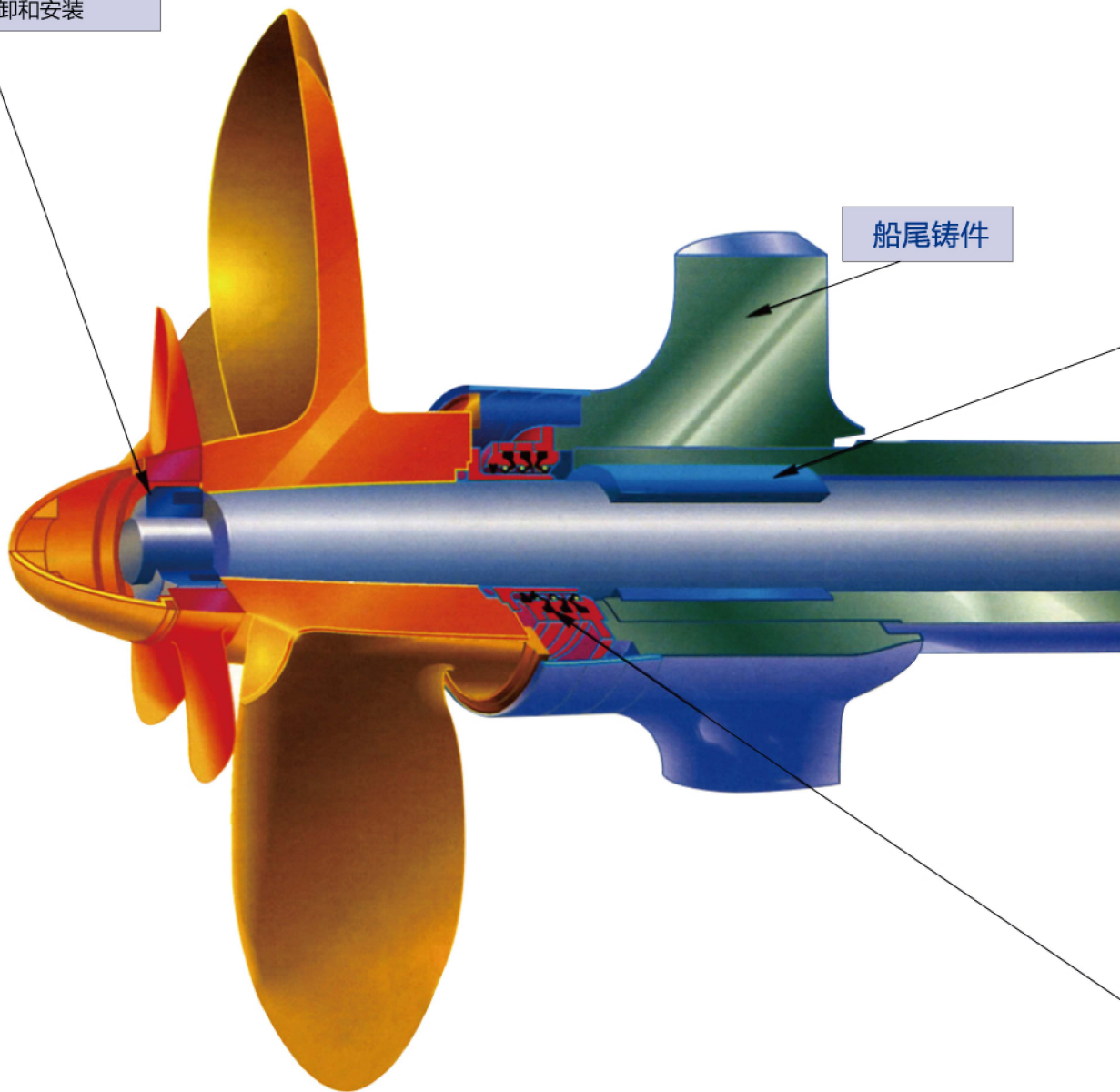


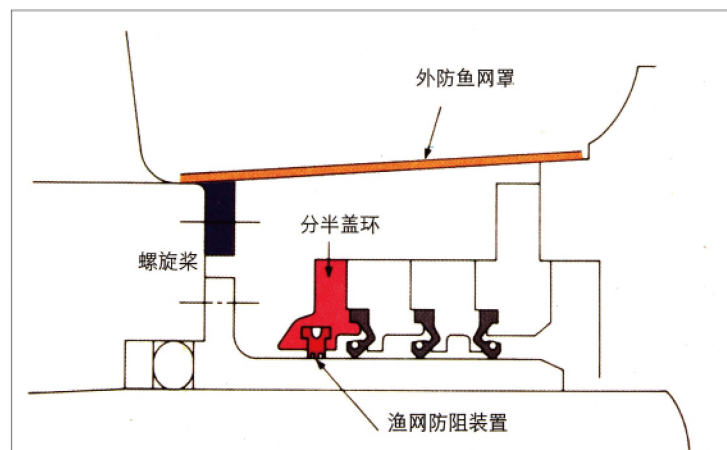
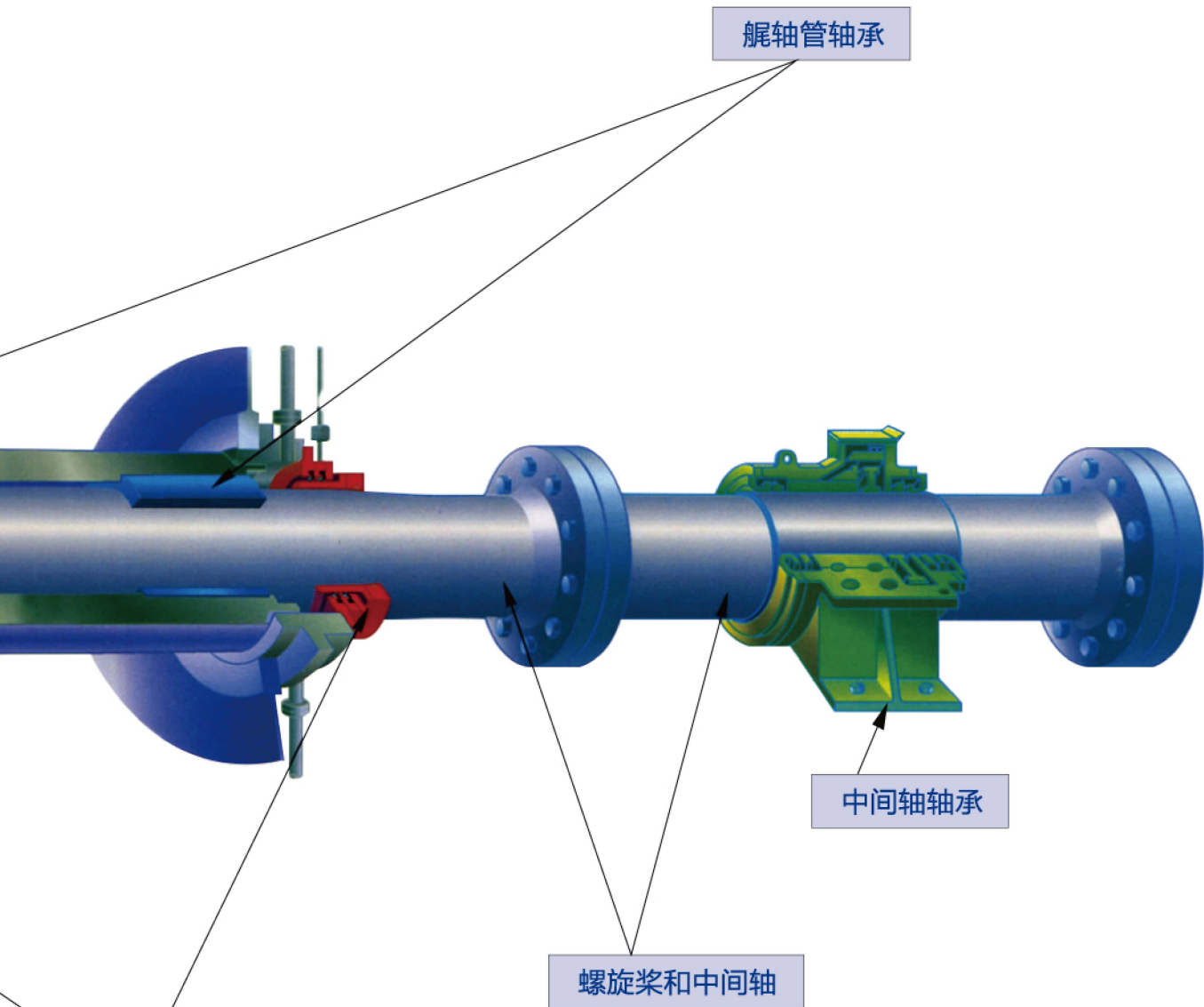


产品和用户线路 Product and subscriber line

螺帽（液压螺母）
使螺旋桨容易拆卸和安装

船尾铸件





After the stern tube sealing device 后艉轴管密封装置

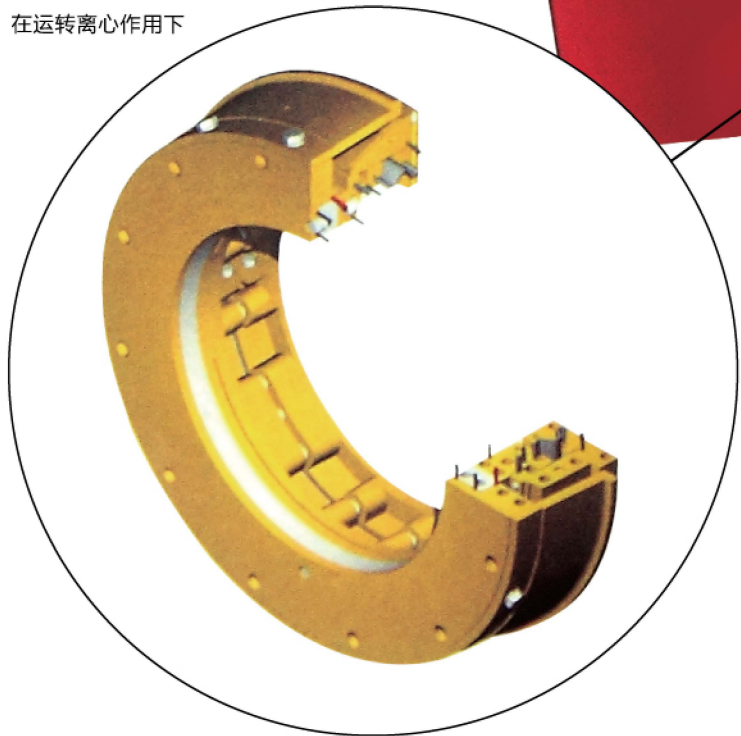
可用于分裂和非分裂两种型式。完全分裂型式可在不拆下轴或螺旋桨情况下就能完成拆卸和安装。该密封符合10~15年间隔轴检测的等级要求。后艉轴密封配有防渔网防阻装置，它可以保护机封外来异物的侵入，如：钓鱼线、网、电线等。

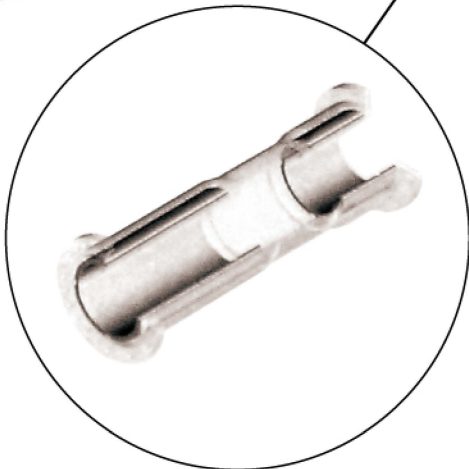
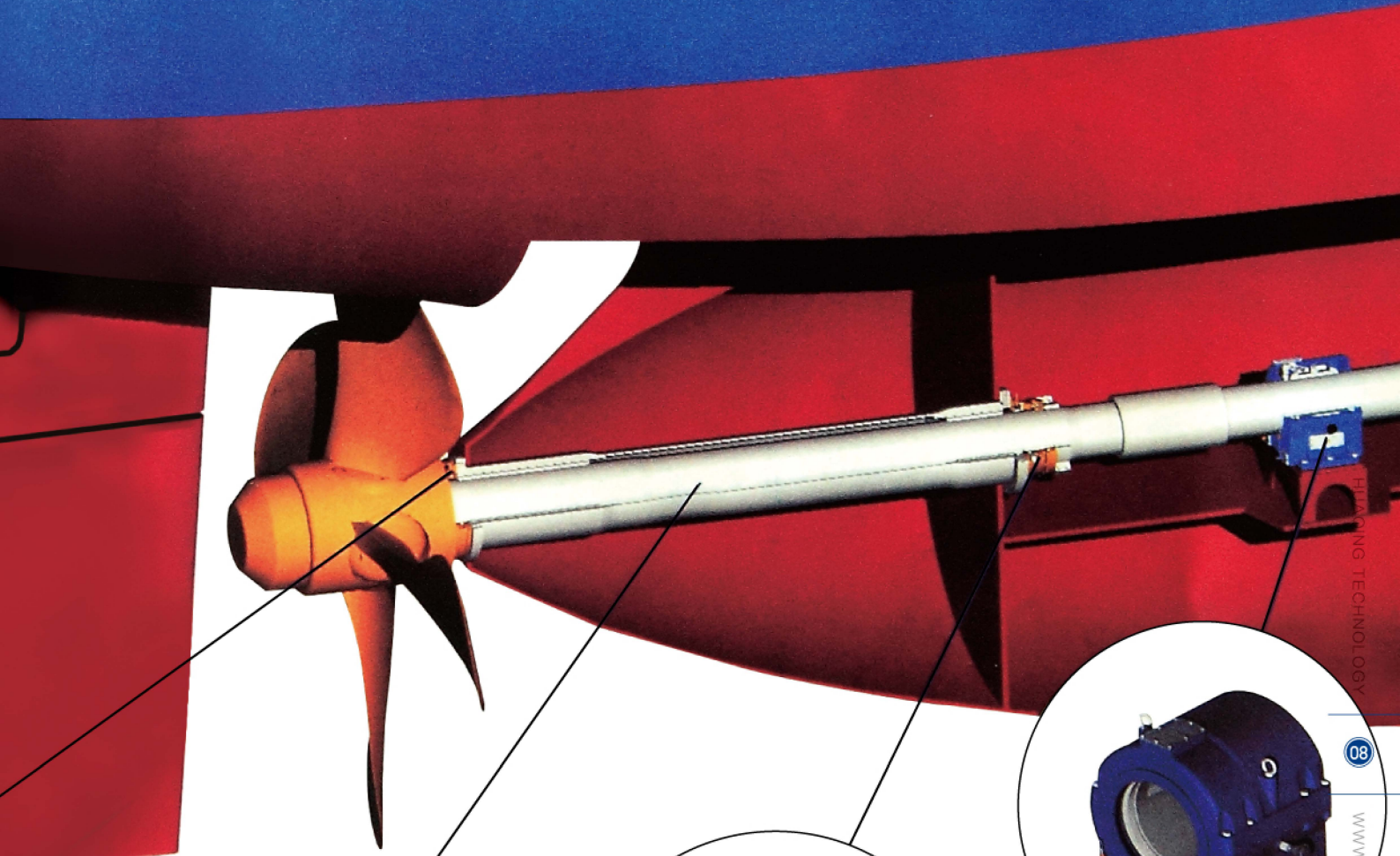
Can be used to split and non split two types. Completely split type can be removed and installed without dismantling the shaft or propeller. The seal is in line with the grade requirements of the 10 to 15 years. After stern shaft sealing with a fishing net anti anti blocking device, it can to protect the seal of foreign invasion, such as: fishing line, net, wire and so on.

Stern shaft sealing technology improvement 艉轴密封装置技术改良

华青艉轴密封在其运行经济性，技术可靠性和出色的服务上被广泛认可。通过引进国外先进技术，艉轴密封装置技术呈现出一个新时代。华青对展示新艉轴密封装置技术十分自豪，新密封具有密封性能不受轴的径向偏移窜动的影响，由于配有弹簧压紧装置，可补偿10mm的轴窜动，比其他橡胶唇口密封的安装长度短，能减少轴的悬臂外伸。由于两个密封动静环端面始终存有润滑油膜，在运转离心作用下污水及沙粒不能进入密封内，因而使用寿命长，油耗低。

Huaqing stern shaft sealing in the economic operation, technical reliability and excellent service has been widely recognized. Through the introduction of foreign advanced technology, stern shaft sealing technology presents a new era. Huaqing to show new stern shaft sealing device technology is very proud, the new seal with sealing performance is not influenced by the axial radial offset channeling, because with the spring pressing device, compensation of 10 mm axial channeling, than other rubber lip seal installation length short, can reduce the shaft cantilever overhang. Since the two sealing ring end face always exists in lubricating oil film, in the operation of centrifugal water and sand particles can not enter the seal, and thus the long life, low fuel consumption.



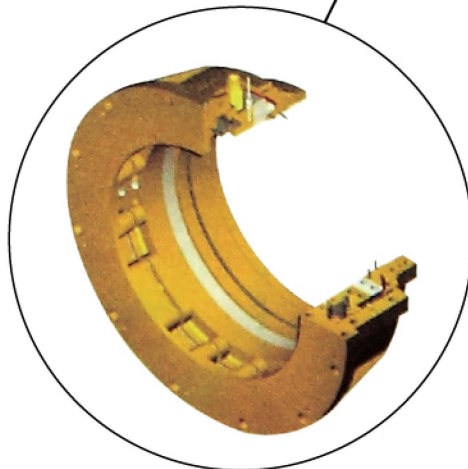


艏轴管轴承

由钢，带铅铸铁或锡基白合金铸铁。我们有许多标准尺寸，非标的也可以量身打造。

完备的艏轴管

华青设计的艏轴管特点安全而且易安装。可提供任一轴径和长度，有白合金轴承预安装。该轴承设有温度传感器作为一种选择。艏轴管可根据客户的说明要求或华青标准来制作。



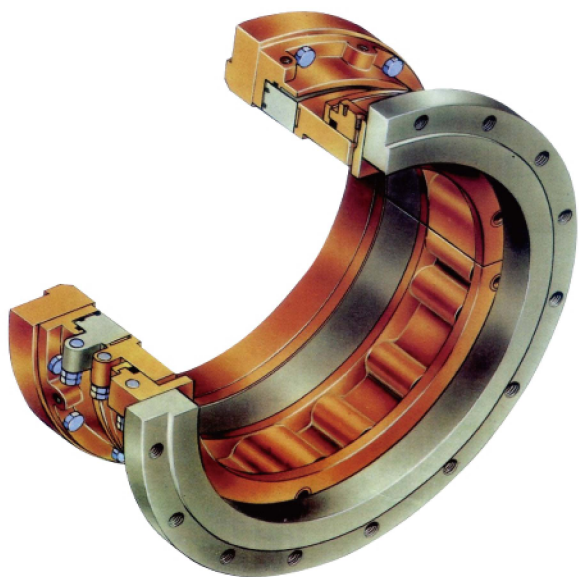
前艏轴管密封

华青艏轴管密封可用于完全分裂式、半分裂式和非分裂式。所有类型的密封装置都设有水冷却系统，且适合各种轴径。



中间轴轴承

华青中间轴轴承是自调整型，能补偿轴线上的偏离。轴承为水冷做好准备并配有温度计和量油尺。温度传感器和远程温度计可作为一种选择，轴承也可以提供静压润滑。



Retrofitting with type HC 利用 HC4 型密封装置进行改装

华青轴封的设计可以用作改装、代替其他类型的轴封，费用并不昂贵，且快捷方便。

由于安装距离甚短，而且轴封完全分离，所以改装轴封时无需拆除轴身，只需在轴管末端与推进器之间保持一段距离，利用调距环调正距离便可。

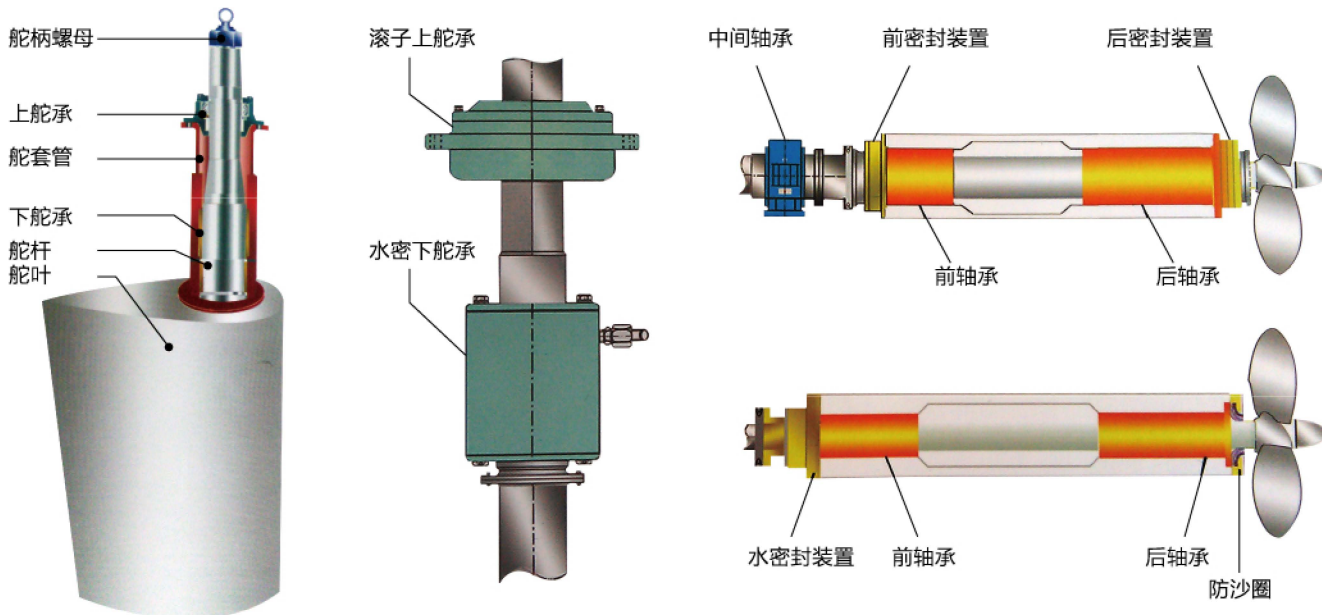
调距环可以适应原有的安装孔，也可以将原有轴封拆除后，便可立即安装华青轴封。

Huaqing design can be used as seal, seal modification instead of other types, the cost is not expensive, convenient and quick.

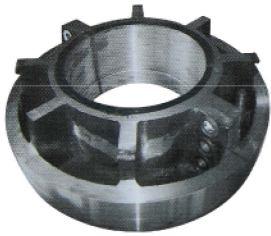
Due to the installation distance is very short, and seal completely separated, so refitting the seal no need to remove the shaft, just on the shaft pipe between the

terminal and the propeller keep a distance using tuned away from the ring tone is the distance can be.

Distance adjusting ring can be adapted to the mounting hole of the original, the original seal can also be removed, you can immediately install the Chinese blue seal.



Cast steel product overview 铸钢产品概览



舵承架
Rudder carrier aircraft



舵托
Rudder carrier



艉轴管铸钢件
Stern shaft tube steel



轴毂
propeller boss

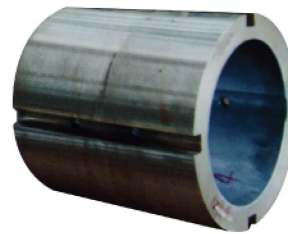
Cast steel product overview 铸铜产品概览



密封座
Seal seat



平摩轴承
Flat to the bearing



白合金艉管轴承
White metal stern tube bearing



包覆铜套
Coated copper sleeve

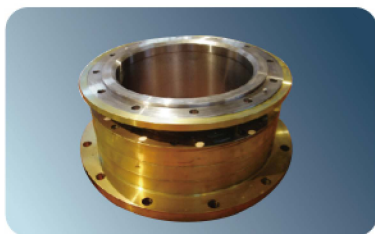


橡胶轴承
Rubber bearing



高分子轴承
Polymer bearing

Shafting product overview 轴系产品概览



P15-18

油润滑艹轴密封装置 GB/T25017-2010
Oil Lubrication Stern Shaft Sealing Device



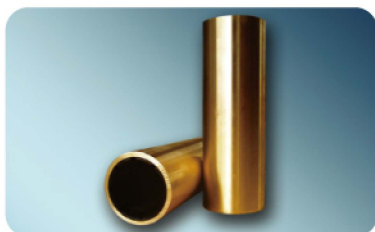
P19-20

YH3BF剖分式油润滑艹轴密封装置
YH3BF Split Oil Lubrication Stern Shaft Sealing Device



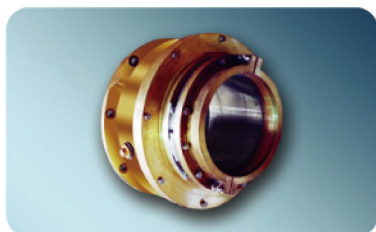
P21

HQCSM / SMB水润滑艹轴密封装置
GB/T25018-2010
SM / SMB water lubrication stern shaft sealing device



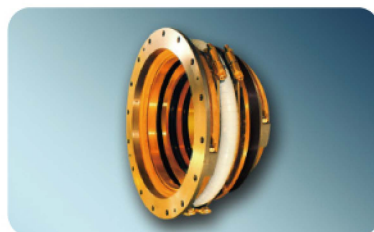
P22

CB*769-86船用整体式橡胶轴承
CB*769-86 Marine Rubber Bearing



P23

SMA-II型 / IIB / SMC型水润滑端面密封装置
SMA-II type / SMC / IIB type water lubricated end face sealing device



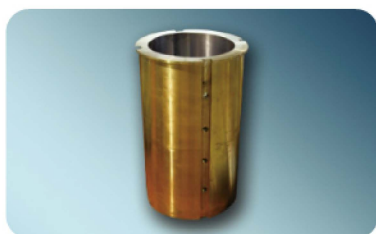
P24

SMC型水润滑端面密封装置
SMC type water lubricated end face sealing device



P25

JQ/CS 49艹轴密封装置
JQ/CS 49 stern shaft sealing device



P26

JQ/CS 49艹轴轴承
JQ / CS 49 stern shaft bearings



P27

JQ/CS 39艹轴密封装置
JQ/CS 39 stern shaft sealing device



P28

JQ/CS 39艹轴轴承
JQ / CS 39 stern shaft bearings



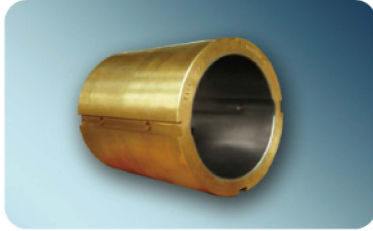
P29

JQ/CS 48A艹轴密封装置
JQ/CS 48A stern shaft sealing device



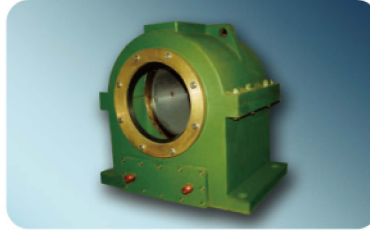
P30

JQ/CS 48A艹轴轴承
JQ/CS 48A stern shaft bearings



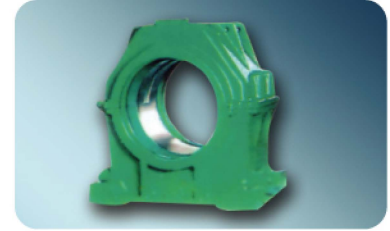
P31

船舶艏管白合金轴承
Ship stern tube white metal bearing



P32

舰用/船用 DTZ大比压调心中间轴承
Marine / marine DTZ specific pressure aligning intermediate bearing



P33-34

GB/T 14364-93型滑动式中间轴承
GB/T 14364-93 type intermediate bearing



P35-36

JT/T259(原JT4175)轴系中间轴承
JT/T259 (original JT4175) shaft center bearing



P37

JT4175轴系中间轴承
JT4175 shafting intermediate bearing



P38

TZ系列船舶推进轴系滑动推力轴承
TZ series marine propulsion shafting sliding thrust bearing



P39

CB*3333艏轴润滑油箱 艏轴润滑系统
CB*3333 stern shaft lubrication system for lubricating oil tank



P40

JZ轴系机械制动器
JZ axis mechanical brake



P41

JT4174船舶中间轴隔舱填料函 A / C型
JT4174 ship shaft compartment stuffing box



P42

JT4174船舶中间轴隔舱填料函 B型
JT4174 ship shaft compartment stuffing box



P43

BSD型隔舱密封装置
BSD type sealing device



P44

GCD型隔舱传动装置 GB/T25014-2010
GCD type isolating device



An overview of rudder system products 舵系产品概览



P45

CB/T3282-2001平面摩擦上舵承
CB/T3282-2001 plane friction rudder bearing



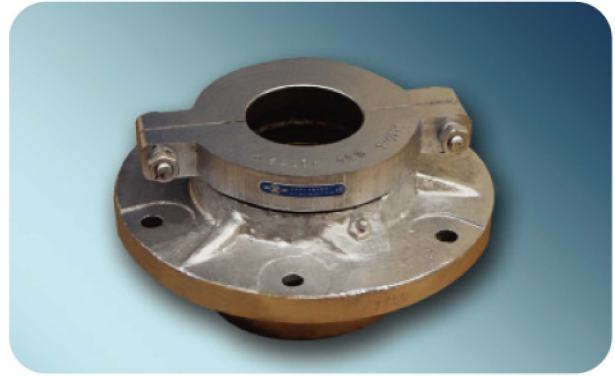
P46

滚子上舵承 CB*789-87 A型
CB*789-87 for roller A



P47-48

滚子上舵承 CB*789-87 B型/C型
CB*789-87 for roller B/C



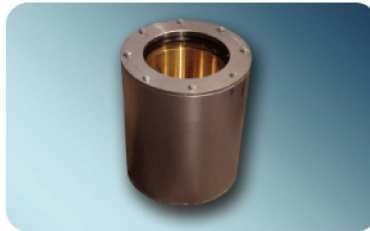
P49

上舵承 CB*3145
Upper rudder bearing CB*3145



P50

下舵承 CB*3146
Lower rudder bearing CB*3146



P51-52

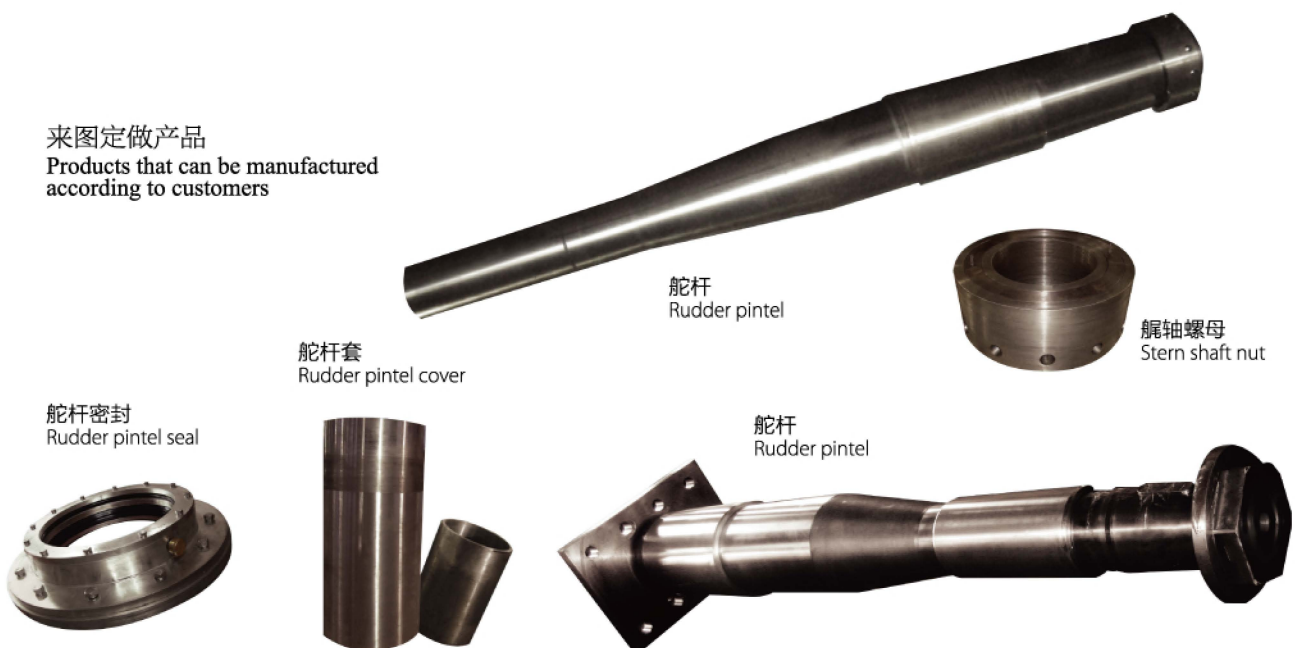
滑动水密下舵承 CB*790-87
Sliding watertight lower rudder bearing
CB*790-87



P53

DMB型舵杆密封装置
DMB type rudder seal

来图定做产品
Products that can be manufactured
according to customers



舵杆套
Rudder pintel cover

舵杆密封
Rudder pintel seal

舵杆
Rudder pintel

艏轴螺母
Stern shaft nut

舵杆
Rudder pintel

油润滑艉轴密封装置 GB/T25017-2010 Oil Lubrication Stern Shaft Sealing Device

产品应用范围 Application

适用于工作介质为油的各类船舶。
It can be applied to kinds of vessels
whose working medium is oil.



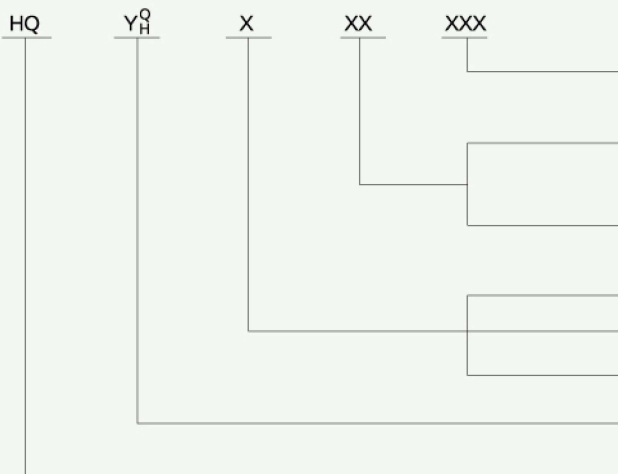
油润滑艉轴密封装置
Oil lubrication stern shaft sealing apparatus



技术参数 Technical parameters

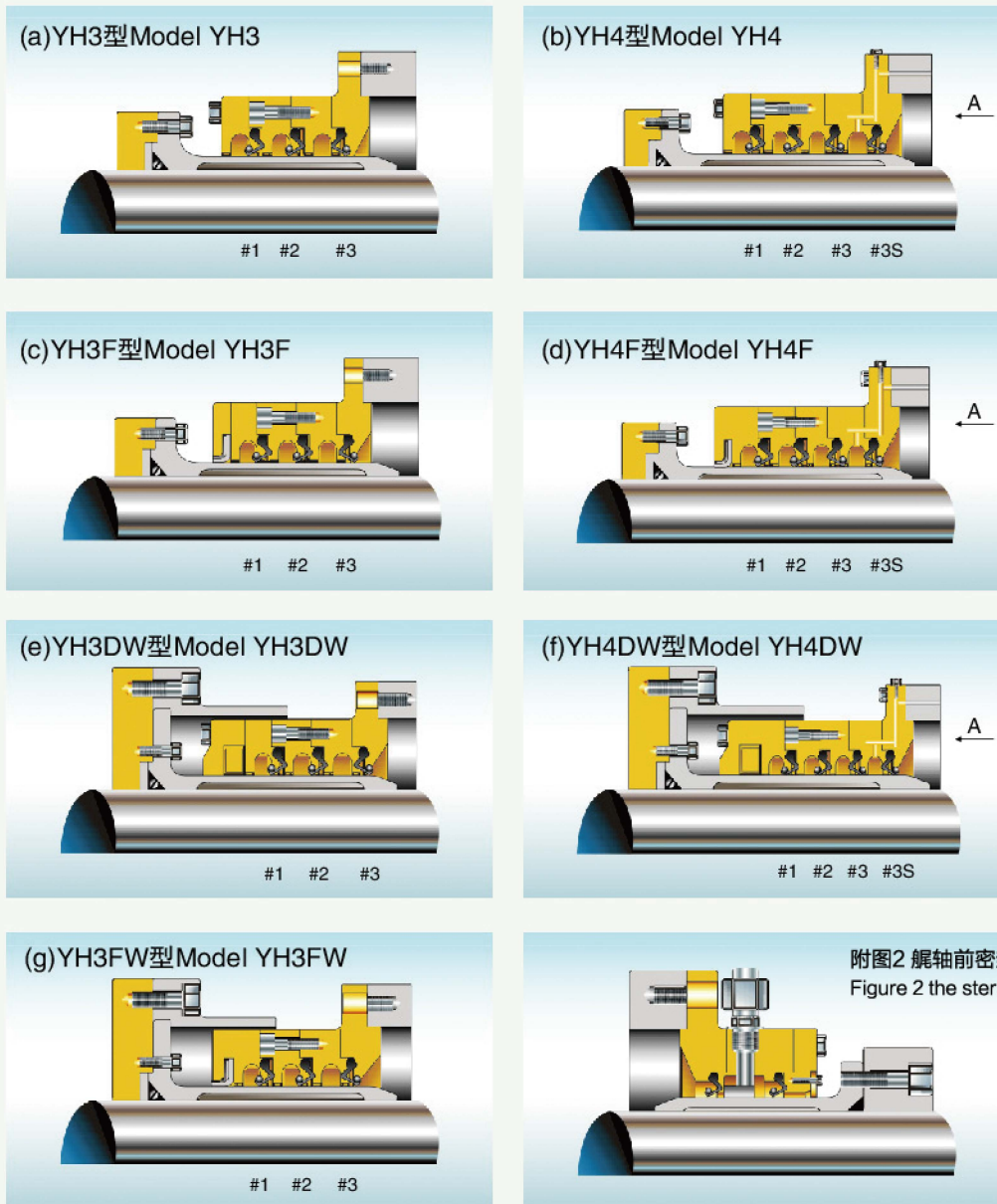
艉轴基本直径范围:	50~1150mm
艉轴耐磨衬套外径:	70~1250mm
滑油工作压力:	1~2bar
滑油工作温度:	-25℃~+110℃
艉轴耐磨衬套线速度:	≤7m/sec
平均泄漏量:	5~30ml/h

Diameter range of stern shaft	50~1150mm
Diameter of wearproof liner of stern shafts	70~1250mm
Lubricating oil working pressure	1~2bar
Lubricating oil working temperature	-25℃~+110℃
Line speed of stern shaft wearproof liner	≤7m/sec
Average leakage	5~30ml/h



规格: 衬套外径size:liner diameter
F带防砂圈, D带挡物环, W带防渔网装置
F---with sand ring, D---with sundry object ring,
W---with device against fishing net
无代号为单密封型
it is single sealing type if no code letter
2. 二道密封圈with two (2)seal rings
3. 三道密封圈with three (3)seal rings
4. 四道密封圈with four(4)seal rings
型号标记: 油润滑艉轴前后密封装置
Marks: Oil lubrication stern shaft fwd/aft sealing apparatus
华青公司标记 HuaQing company tag

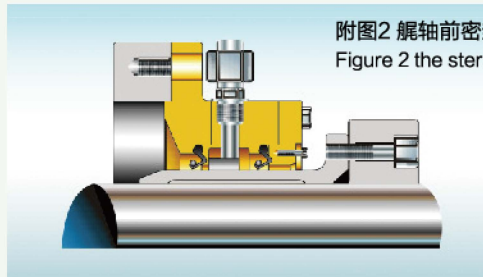
附图1 艉轴后密封装置 Figure 1 Aft stern shaft sealing apparatus


标记示例

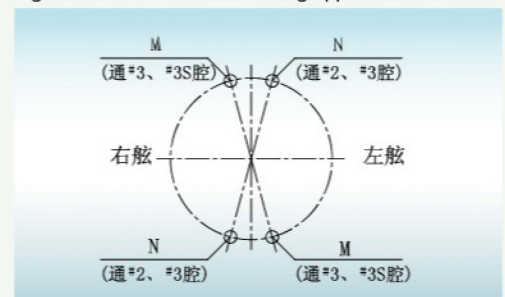
衬套直径为330mm的
 前后密封装置，后密封为
 三道密封圈，带防沙圈则
 艉轴前密封装置型号为：
 YQ2-330
 艉轴后密封装置型号为：
 YH3F-330

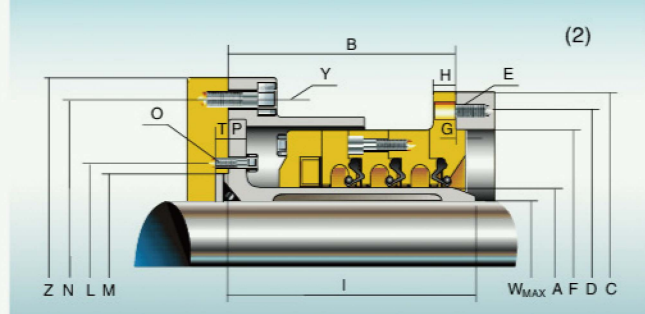
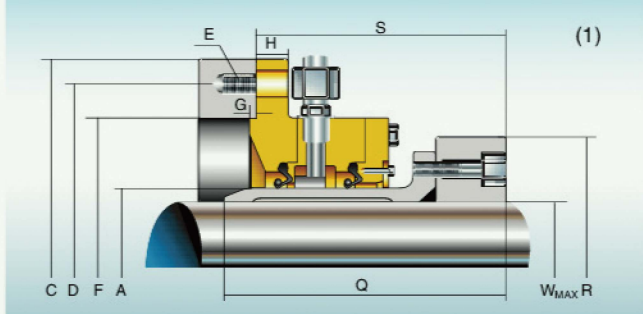
Mark sample

Forward and aft sealing
 apparatus: a liner diameter
 of 330mm and three seal
 rings for the aft sealing; if
 there is a sand prevention
 ring, the mark of forward
 stem shaft sealing
 apparatus will be YQ2-330
 the mark of aft stern shaft
 sealing apparatus will be
 YH3F-330.

 附图2 艉轴前密封装置YQ2型
 Figure 2 the stern shaft sealing device for YQ2

订货说明 Ordering instructions

- | | |
|-----------------|---|
| 1) 船名或船号、船东、制造厂 | 1) Ship name or ship number, owner, shipyard |
| 2) 满载吃水深度 | 2) Loaded draft |
| 3) 艉部中心线离基线高度 | 3) Stern shaft centerline height from the base line |
| 4) 艉轴转速 | 4) Stern shaft rotation speed |
| 5) 艉轴直径 | 5) Stern shaft diameter |
| 6) 航行区域 | 6) Navigation area |
| 7) 备件品种数量 | 7) Variety and quality of spare parts |
| 8) 其他要求 | 8) Other requirements |

 附图3 A向 YH4型艉轴后密封装置 艉端油孔
 Figure re3 A Aft stern shaft sealing apparatus YH4 stern oil hole




油润滑艉轴密封装置 GB/T25017-2010 Oil Lubrication Stern Shaft Sealing Device



YQ₂ YH₃ 尺寸表 Size table of YQ₂ YH₃

规格 Specifications	尺寸 Size	70	90	110	125	155	170	190	200	220	240	260	280	300	330	355	380	400
A		70	90	110	125	155	170	190	200	220	240	260	280	300	330	355	380	400
WMAX		50	75	95	110	140	155	175	185	205	220	240	260	280	310	330	355	375
B		160	160	160	160	160	160	160	160	160	170	175	175	175	175	195	195	200
C		205	225	245	275	305	320	340	350	370	425	445	465	485	515	565	590	610
D		180	200	220	245	275	290	310	320	340	390	410	430	450	480	525	550	570
E		8	8	8	8	8	8	8	8	8	12	12	12	12	12	12	12	12
		M10	M10	M10	M12	M12	M12	M12	M12	M12	M16	M16	M16	M16	M16	M20	M20	M20
F		155	175	195	210	240	255	275	285	305	345	365	385	405	435	475	500	520
G		5	5	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7
H		15	15	15	15	20	20	20	20	20	20	20	20	20	20	30	30	30
I		180	180	180	180	180	180	180	180	180	190	195	195	195	195	215	215	220
K		120	140	165	184	214	240	270	280	300	320	340	360	375	425	450	480	500
L		100	120	145	164	194	220	240	250	270	290	310	330	346	390	416	440	460
M		80	100	125	145	175	200	214	224	240	260	284	300	320	360	384	406	424
T		12	12	12	12	12	12	12	12	12	12	12	12	12	12	18	18	18
O		8	8	8	8	8	8	8	8	8	8	8	12	12	12	12	12	12
		M8	M8	M8	M8	M8	M8	M12	M12	M12	M12	M12	M12	M12	M12	M16	M16	M16
P		12	12	12	12	12	12	12	12	12	12	15	15	15	15	15	15	20
Q		145	145	145	145	160	160	160	160	160	175	175	175	175	175	195	195	195
R		140	140	175	190	210	230	250	260	280	310	330	350	370	400	430	460	480
S		130	130	130	130	145	145	145	145	145	160	160	160	160	160	184	184	184

YH₄ 尺寸表 其余尺寸同上 Size table of YH₄ Other sizes are the same as above mentioned.

B	/	/	/	/	200	200	200	200	200	215	220	220	220	220	235	235	240
I	/	/	/	/	220	220	220	220	220	235	240	240	240	240	255	255	260
α	/	/	/	/	9	9	9	9	9	9	9	9	9	9	9	9	9
V	/	/	/	/	φ8	φ8	φ8	φ8	φ8	φ8	φ8	φ8	φ8	φ8	φ8	φ8	φ8

YH₃F YH₃DW 尺寸表 其余尺寸同上 Size table of YH₃F and YH₃DW Other sizes are the same as above mentioned.

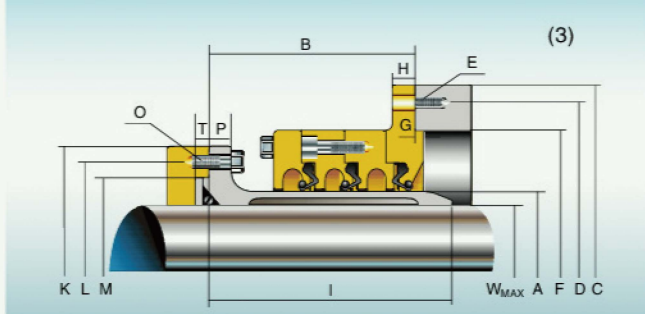
B	180	180	180	180	180	180	180	180	180	190	195	195	195	195	215	215	220
I	200	200	200	200	200	200	200	200	200	210	215	215	215	215	235	235	240
N	205	225	245	260	305	320	340	345	365	410	427	450	485	505	540	580	595
Y	8	8	8	8	8	8	10	10	10	10	12	12	12	16	16	16	16
	M10	M10	M10	M10	M10	M10	M10	M10	M10	M12	M12	M16	M16	M16	M16	M16	M16
z	250	270	290	305	350	365	385	390	410	460	475	505	545	565	595	635	650

YH₄F YH₄DW 尺寸表 N、Z、Y 尺寸参照上表 其余尺寸同上 Size table of YH₄F and YH₄DW As for sizes of N, Z and Y, refer to the above

B	/	/	/	/	220	220	220	220	220	240	240	240	240	240	255	255	260
I	/	/	/	/	240	240	240	240	240	260	260	260	260	260	275	275	280

注：1. 尺寸T不含垫片厚度

2. YH₄ YH₄F YH₄DW可根据实际需要不设内部润滑管路。



(1) 艏轴前密封装置

Forward stem shaft sealing apparatus

(2) 艏轴后密封装置 (防渔网装置专利号: 90214471.5)

Aft stern shaft sealing apparatus (Patent No. of device against fishing net: 90214471.5)

(3) 艏轴后密封装置

Aft stern shaft sealing apparatus

单位: 毫米 Unit: mm

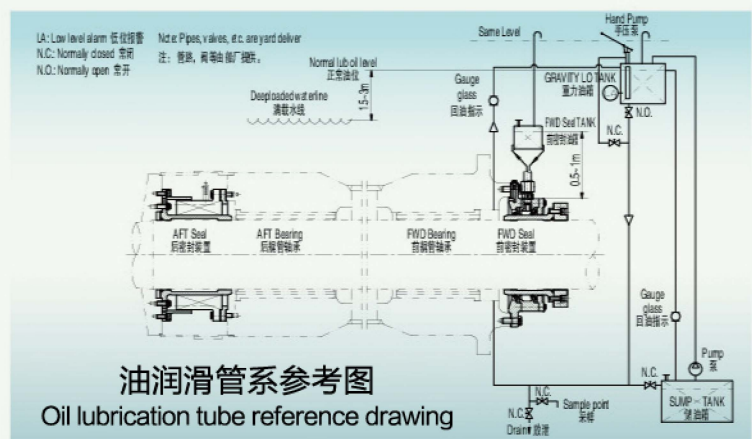
420	450	480	500	530	560	600	630	670	710	750	800	850	900	950	1000	1060	1120	1180	1250
420	450	480	500	530	560	600	630	670	710	750	800	850	900	950	1000	1060	1120	1180	1250
395	425	455	475	500	530	560	590	630	670	710	750	795	840	890	940	990	1040	1090	1150
200	225	225	225	225	240	240	245	245	280	280	310	310	330	330	330	350	355	355	370
630	675	705	725	755	820	860	890	930	990	1030	1090	1140	1200	1250	1300	1400	1460	1520	1595
590	630	660	680	710	765	805	835	875	930	970	1030	1080	1135	1185	1235	1325	1385	1445	1520
12	12	12	12	12	12	12	12	12	16	16	20	20	20	20	20	24	24	24	24
M20	M20	M20	M20	M20	M24	M24	M24	M24	M24	M24	M24	M24	M24	M24	M24	M30	M30	M30	M30
540	575	605	625	655	700	740	770	810	865	905	960	1010	1065	1115	1165	1245	1305	1365	1440
7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	11	11	11
30	30	30	30	30	35	35	35	35	40	40	40	40	45	45	45	50	50	50	50
220	245	245	245	245	260	260	265	265	300	300	330	330	350	350	350	370	375	375	390
520	550	590	600	630	675	700	760	800	840	885	945	1000	1070	1130	1170	1230	1300	1300	1430
486	510	550	560	590	630	660	710	750	790	836	890	950	1010	1070	1110	1170	1230	1290	1360
450	476	510	526	550	588	620	670	710	740	780	825	870	920	970	1040	1100	1160	1220	1290
18	18	18	18	18	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
12	12	12	12	12	12	12	12	12	12	16	16	16	16	16	20	20	20	24	24
M16	M16	M20	M20	M20	M20	M20	M24	M24	M24	M24	M24	M24	M24	M24	M24	M24	M30	M30	M30
20	20	20	20	20	20	20	25	25	25	25	30	30	35	35	35	35	40	40	40
195	220	220	220	220	240	240	255	255	285	285	285	285	305	305	305	325	325	325	325
500	530	560	580	610	650	690	730	785	830	870	915	960	1010	1060	1130	1200	1250	1300	1380
184	206	206	206	206	224	224	241	241	270	270	270	270	290	290	290	310	310	310	310

240	270	270	270	270	285	285	290	290	330	330	365	365	385	385	385	405	410	410	425
260	290	290	290	290	305	305	310	310	350	350	393	393	417	417	417	436	441	441	461
9	8	8	8	8	8	8	8	8	8	8	18	18	18	18	18	15	15	15	15
φ8	φ12	φ12	φ12	φ12	φ12	φ12	φ12	φ12	φ12	φ12	φ12	φ12	φ12	φ12	φ12	φ15	φ15	φ15	φ15

220	245	245	245	245	260	260	265	265
240	265	265	265	265	280	280	285	285
620	650	682	700	730	780	830	860	895
16	16	16	16	16	16	16	16	16
M16	M16	M16	M16	M16	M20	M20	M20	M20
675	705	740	755	785	845	895	925	960

Table and other sizes are the same as above mentioned.

260	290	290	290	290	305	305	310	310
280	310	310	310	310	325	325	330	330





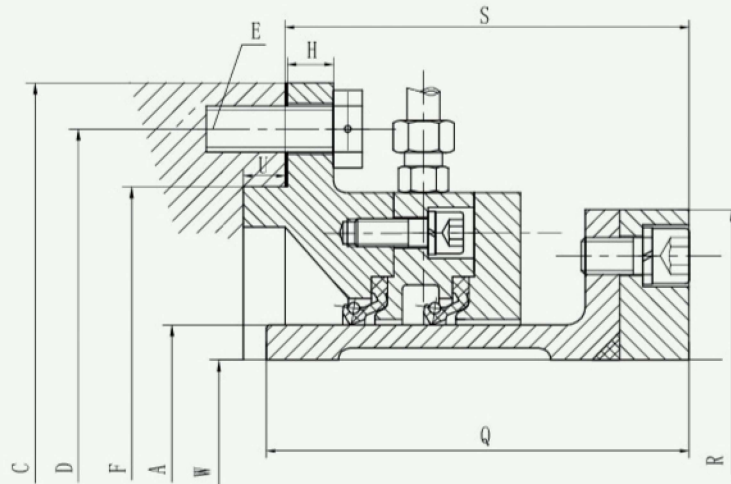
说明:

适用于安装、更换、维修不需拆卸螺旋桨轴及舵叶，且润滑工作介质为油的各类船舶。

Remarks:

It is suitable for kinds of vessels that do not need to disassemble the propeller shaft and rudder blade while installing, changing and maintaining and whose lubricating working medium is oil.

YH3BF 剖分式油润滑艉轴密封装置 YH3BF split oil lubrication stern shaft sealing device



技术参数

Technical parameters

规格 Specifications	尺寸 Size	155	170	190	200	220	240	260	280	300	330	355
A		155	170	190	200	220	240	260	280	300	330	355
WMAX		125	140	160	170	190	210	230	250	270	300	325
B		180	180	180	180	180	190	195	195	195	195	215
C		305	325	340	350	370	425	445	465	485	515	565
D		275	290	310	320	340	390	410	430	450	480	525
E		8	8	8	8	8	12	12	12	12	12	12
		M12	M12	M12	M12	M12	M16	M16	M16	M16	M16	M20
F		240	255	275	285	305	345	365	385	405	435	475
G		6	6	6	6	6	7	7	7	7	7	7
H		20	20	20	20	20	20	20	20	20	20	30
I		200	200	200	200	200	210	215	215	215	215	235
J		9	9	9	9	9	11	11	11	11	11	13
K		155	170	190	200	220	220	260	280	300	330	355
L		194	220	240	250	270	290	310	330	346	390	416
M		175	200	214	224	240	260	284	300	320	360	384
T		12	12	12	12	12	12	12	12	12	12	18
O		8	8	8	8	8	8	8	12	12	12	12
		M8	M8	M12	M12	M12	M12	M12	M12	M12	M12	M16
P		12	12	12	12	12	12	15	15	15	15	15
Q		160	160	160	160	160	175	175	175	175	175	195
R		210	230	250	260	280	310	330	350	370	400	430
S		145	145	145	145	145	160	160	160	160	160	184
U		17	17	17	17	17	19	19	19	19	19	22

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



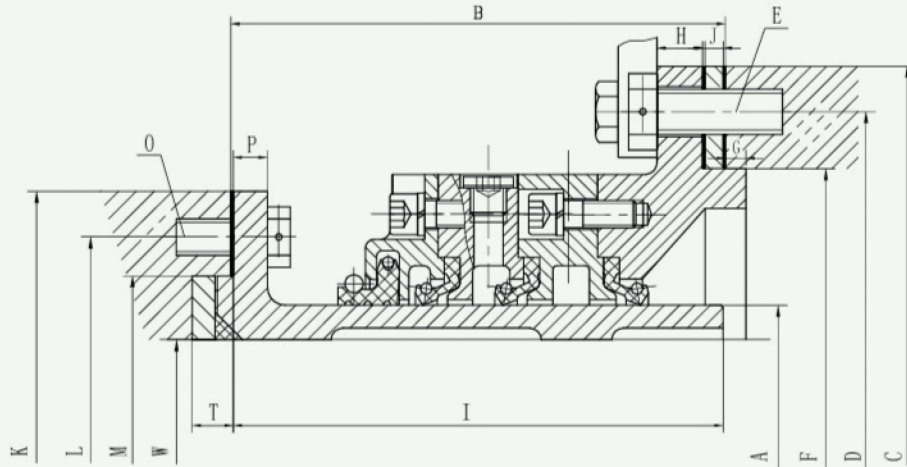
说明:

轴套及前密封装置可采用剖分式或整体式结构。用户可以根据具体的要求选定。

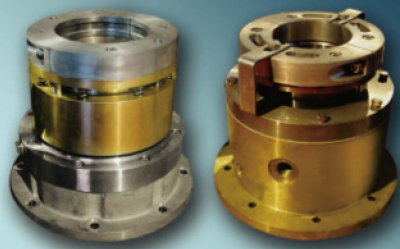
Remarks:

The shaft housing and forward sealing apparatus can adopt a split or integral construction. Customers can make their own choice according to different requirements.

YH3BF 剖分式油润滑艉轴密封装置
YH3BF split oil lubrication stern shaft sealing device



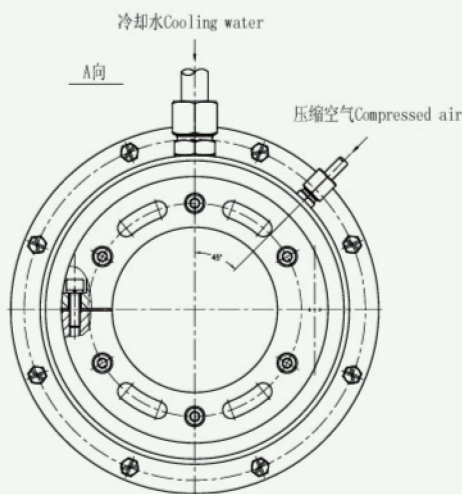
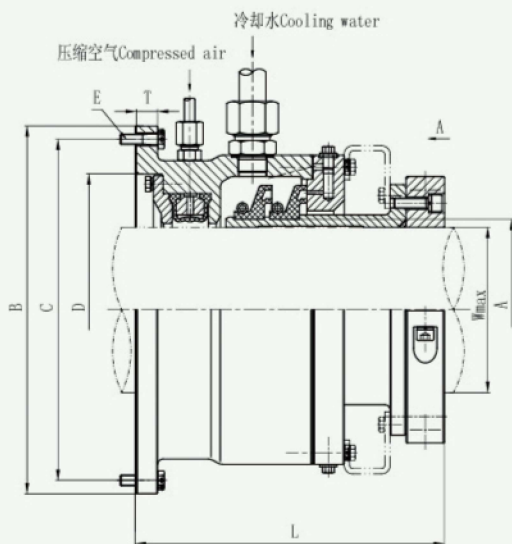
380	400	420	450	480	500	530	560	600	630	670	710
380	400	420	450	480	500	530	560	600	630	670	710
350	370	390	420	450	470	500	530	560	590	630	670
215	220	220	245	245	245	245	260	260	265	265	265
590	610	630	675	705	725	755	820	860	890	930	990
550	570	590	630	660	680	710	765	805	835	875	930
12	12	12	12	12	12	12	12	12	12	12	16
M20	M20	M20	M20	M20	M20	M20	M24	M24	M24	M24	M24
500	520	540	575	605	625	655	700	740	770	810	865
7	7	7	8	8	8	8	9	9	9	9	9
30	30	30	30	30	30	30	35	35	35	35	40
235	240	240	265	265	265	265	280	280	285	285	285
13	13	13	17	17	17	17	19	19	19	19	21
380	400	420	450	480	500	530	560	600	630	670	710
440	460	486	510	550	560	590	630	660	710	750	790
406	424	450	476	510	526	550	588	620	670	710	740
18	18	18	18	18	18	18	20	20	20	20	20
12	12	12	12	12	12	12	12	12	12	12	12
M16	M16	M16	M16	M20	M20	M20	M20	M20	M24	M24	M24
15	20	20	20	20	20	20	20	20	25	25	25
195	195	195	220	220	220	220	240	240	255	255	285
460	480	500	530	560	580	610	650	690	730	785	830
184	184	184	206	206	206	206	224	224	241	241	270
22	22	22	27	27	27	27	30	30	30	30	32



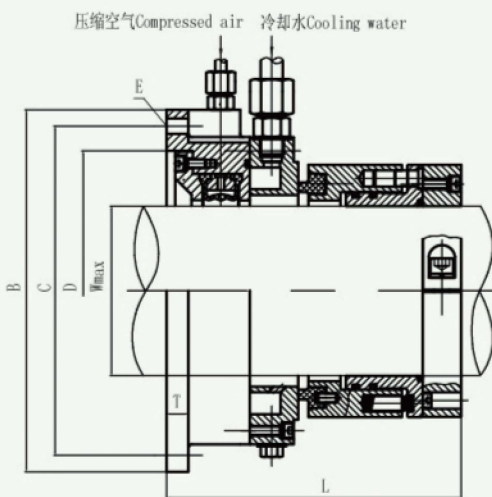
说明：
适用于以水为润滑介质的各类型船舶。
轴向串动 $\leq 1\text{mm}$ 时，可选用SM型；
轴向串动 $\leq \pm 3\text{mm}$ 时，及转速较高时可选用SMB型。

Remarks:
It is suitable for kinds of vessels whose working medium is water.
When the axial vibration $\leq 1\text{mm}$, the SM type can be used;
When the axial vibration $\leq \pm 3\text{mm}$ and the speed is high, the SMB type can be used.

HQCSM / SMB水润滑艉轴密封装置 GB/T25018-2010
HQCSM/SMB water lubrication stern shaft sealing device



SM型



SMB型水润滑艉轴密封装置

SMB water lubrication stern shaft sealing apparatus

技术参数

Technical parameters

规格 Specifications	尺寸 Size																											
	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350	370	390	410	430	450	470	510	530	550	570	600		
A	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350	370	390	410	430	450	470	510	530	550	570	600		
Wmax	55	75	95	115	135	155	175	195	215	230	250	270	290	310	325	345	365	385	405	425	445	485	500	520	540	570		
B	250	265	285	300	330	370	380	420	440	460	480	530	540	540	590	620	640	670	690	710	730	770	790	810	830	860		
C	225	240	260	260	280	330	345	385	405	425	445	475	495	500	550	570	590	615	635	675	695	715	740	760	780	810		
D	165	180	195	215	235	255	240	305	325	345	365	385	405	425	445	465	485	515	535	555	575	615	640	660	680	710		
E	8	8	8	8	8	8	8	8	8	8	8	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
	M10	M10	M10	M10	M12	M12	M12	M16	M16	M16	M16	M16	M16	M20	M16	M20	M20	M20	M20	M20	M20	M20	M20	M20	M20	M20		
T	20	20	20	20	20	25	30	25	25	25	25	25	25	25	25	25	25	25	30	30	30	30	30	30	30	30		

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
船舶艉管工作介质为水，建议选用该橡胶轴承。

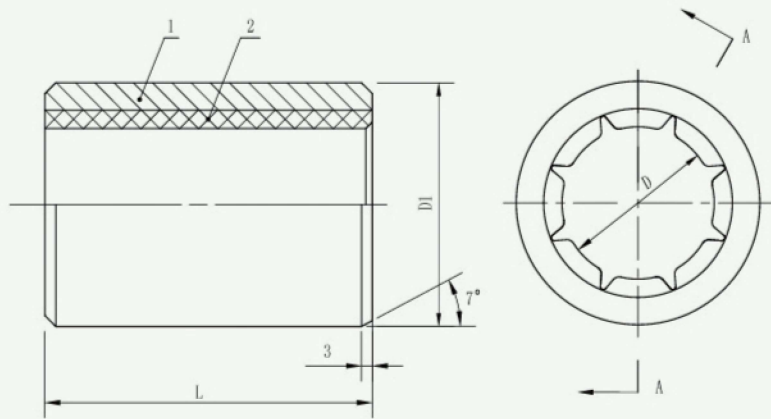
Remarks:
The rubber bushing is suggested to be used when the lubricating medium of stern tube is water.

CB*769-86船用整体式橡胶轴承 CB * 769-86 Marine integral rubber bearing



1-铜衬套 Copper bushing
2-橡胶衬套 Rubber bushing

标记示例：
公称尺寸D=40mm 长度L=120mm
橡胶轴承40x120

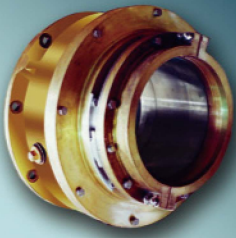


技术参数 Technical parameters

主 要 尺 寸 Main sizes		Main sizes	
轴承直径 Bearing diameter D	铜衬套外径 Outside diameter of copper bushing D1	长度 Length L	
公称尺寸 Nominal sizes	公称尺寸 Nominal sizes	正常型 Normal type	加长型 Extended type
40	64	120	140
45	68	135	155
50	74	150	170
55	78	150	170
60	84	165	210
65	88	180	230
70	96	190	250
75	102	210	270
80	108	220	290
85	114	240	300
90	120	250	320
95	125	260	340
100	130	280	350
105	137	290	370
110	144	300	385
120	156	330	420
125	163	340	440
130	170	360	450
140	182	380	480
150	194	410	520
160	206	440	550
170	218	460	580
180	228	500	620
190	238	520	650
200	250	550	680

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

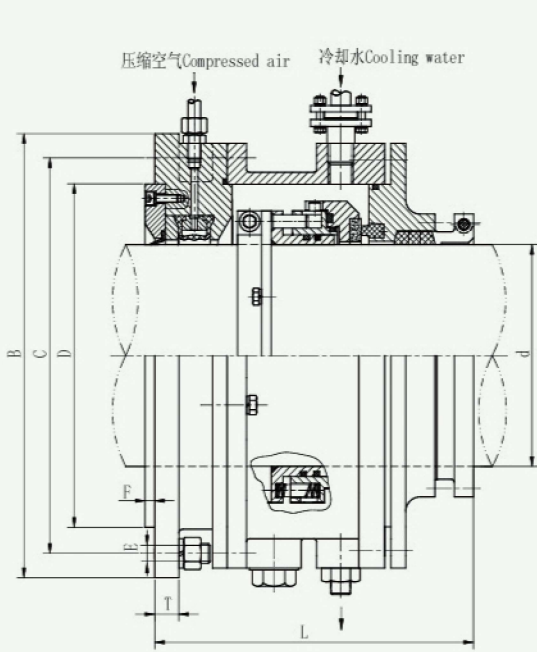
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



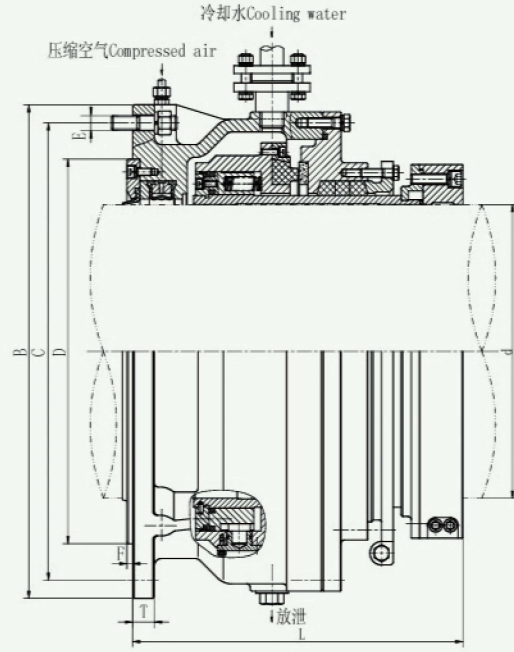
说明：
主要适用于艉轴直径及轴向串动较大，以水为润滑介质的各类船舶。

Remarks:
It is suitable for kinds of vessels that have a large stern shaft diameter and axial vibration and whose lubricating medium is water.

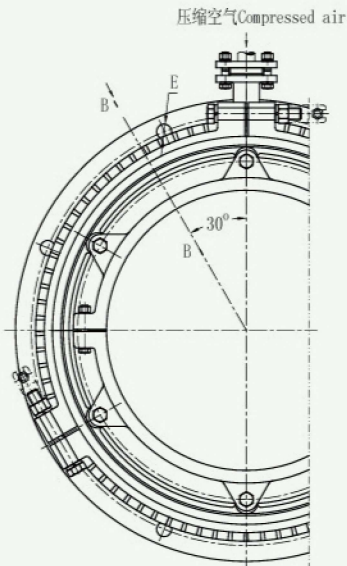
SMA-II型 / IIB / SMC型水润滑端面密封装置
SMA-II type / SMC / IIB type water lubricated end face sealing device



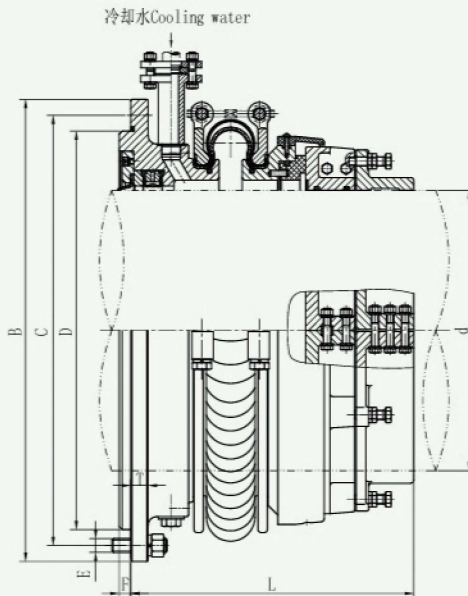
SMA-II型水润滑端面密封装置
SMA-II water lubrication end face sealing apparatus



SMA-IIB型水润滑端面密封装置
SMA-IIB water lubrication end face sealing apparatus



SMC型水润滑端面密封装置
SMC water lubrication end face sealing apparatus





说明:

SMA-II型 / IIB型为圆形弹簧补偿; SMC型为Ω型弹簧补偿。

Remarks:

SMA-II / IIB are round spring compensation; while SMC is Ω spring compensation.

SMA-II型 / IIB / SMC型水润滑端面密封装置

SMA-II type / SMC / IIB type water lubricated end face sealing device



技术参数

Technical parameters

带*号规格为已有产品 Specifications with * are those of existing products.

尺寸规格 Specifications d	B	C	D	L	T	E		F
55	250	210	165	300	18	8	M10	10
75	265	225	180	300	18	8	M10	10
95	280	240	195	300	18	8	M10	10
115	300	260	215	340	18	8	M10	10
135	330	280	235	340	20	8	M12	10
155	340	300	255	340	20	8	M12	10
175	360	320	275	340	20	8	M12	10
* 185	450	390	230	298	25	8	M20	10
195	420	355	305	370	25	8	M16	10
* 200	460	420	350	370	25	8	M20	10
215	440	375	325	370	25	8	M16	10
* 230	460	395	345	370	25	8	M16	10
250	480	415	355	370	25	8	M16	10
* 255	480	440	370	370	25	8	M20	10
* 260	480	440	370	370	25	8	M20	10
270	530	440	385	370	25	8	M20	10
* 280	500	440	400	330	25	8	M20	10
290	550	460	405	370	25	8	M20	10
* 302	550	500	425	460	25	8	M20	10
310	580	485	425	460	25	8	M20	10
325	590	510	445	460	25	8	M20	12
345	620	540	465	460	25	8	M20	12
* 354	670	620	570	460	25	8	M20	12
* 360	670	590	485	460	25	8	M20	12
365	670	570	485	460	25	8	M24	12
385	700	595	515	520	30	8	M24	12
* 386	650	595	510	520	30	8	M20	12
* 402	680	630	530	480	30	8	M20	12
* 405	680	630	530	455	30	8	M24	12
425	740	635	555	520	30	8	M24	12
* 445	715	655	575	495	30	8	M24	12
* 465	735	675	595	495	30	8	M24	12
480	800	700	615	520	30	12	M24	15
* 490	750	700	620	500	30	12	M20	15
500	840	720	635	520	30	12	M24	15
* 520	800	750	680	520	30	12	M20	15
* 530	800	750	700	520	30	8	M20	15
540	880	760	675	520	30	12	M24	15
550	900	780	695	520	30	12	M24	15
570	930	800	715	520	30	12	M24	15
590	950	820	735	580	30	12	M24	15
610	950	840	755	580	30	12	M24	15
630	970	870	775	580	30	12	M30	20
650	990	890	795	580	30	12	M30	20
870	1010	910	815	580	30	12	M30	20
690	1030	930	835	580	30	12	M30	20
710	1050	950	855	620	30	12	M30	20
730	1070	970	875	620	30	12	M30	20
750	1090	990	895	620	30	12	M30	20
760	1120	1010	915	620	30	12	M30	20
780	1140	1030	935	620	30	12	M30	20
800	1160	1050	955	620	30	12	M30	20

注: 本表中尺寸仅供参考, 本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



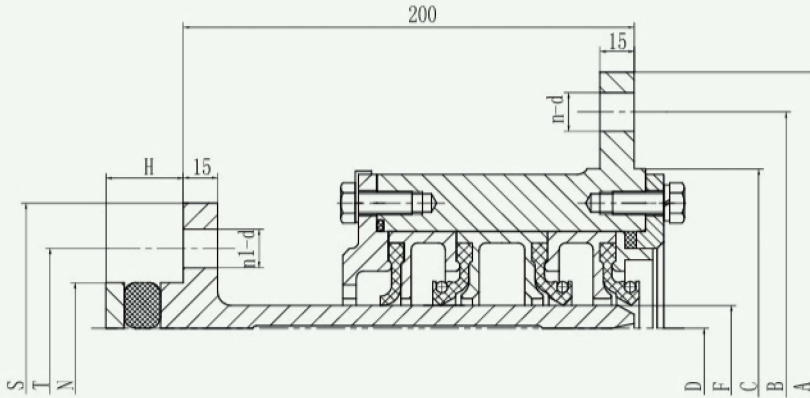
说明:

长江及内河航行的船舶,且润滑工作介质为油类,建议选用该类型装置。

Remarks:

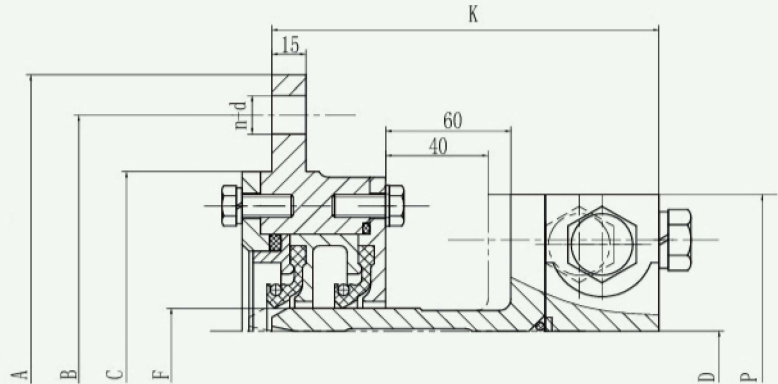
This type of apparatuses is suitable for vessels in inland water whose lubricating working medium is oil.

JQ/CS 49 艉轴密封装置 JQ/CS 49 stern shaft sealing device



JQ/CS 49 后密封装置
JQ/CS 49 aft sealing apparatus

JQ/CS 49 前密封装置
JQ/CS 49 forward sealing apparatus



技术参数

Technical parameters

JQ/CS 49 艉轴密封装置 JQ/CS 49 stern shaft sealing apparatus

mm

型号 Model	D	A	B	C	F	H	K	N	P	S	T	n	d	n1	重量 Kg Weight	
															前 Front	后 Back
130JQ/CS49	130	320	290	250	145	28	140	160	215	230	200	8	11	8	26	38
150JQ/CS49	150	345	310	270	165	28	145	180	235	250	220	8	11	8	29	42
170JQ/CS49	170	366	336	292	185	28	150	200	260	270	240	12	13	8	34	46
190JQ/CS49	190	390	360	320	205	28	160	220	290	295	260	12	13	8	40	53
210JQ/CS49	210	410	380	335	225	32	160	246	310	320	280	16	13	12	46	59
230JQ/CS49	230	445	410	370	245	32	170	266	350	340	300	16	15	12	53	66
250JQ/CS49	250	475	440	390	270	34	175	290	370	360	326	16	17	12	60	73
280JQ/CS49	280	505	470	420	300	34	180	320	400	390	356	16	17	12	68	82
320JQ/CS49	320	550	510	460	340	34	180	360	440	430	390	16	22	12	78	90
360JQ/CS49	360	590	550	500	380	36	180	405	480	470	430	16	22	12	84	98

注: 本表中尺寸仅供参考, 本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



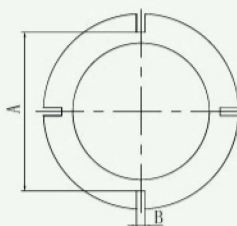
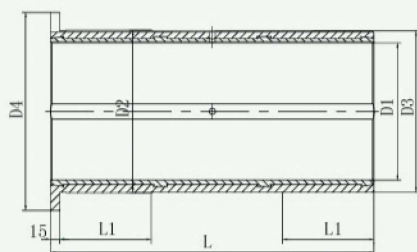
说明:

长江及内河航行的船舶,且艉管工作介质为油类,建议选用该类型艉管轴承。

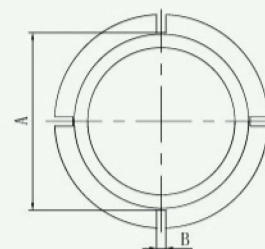
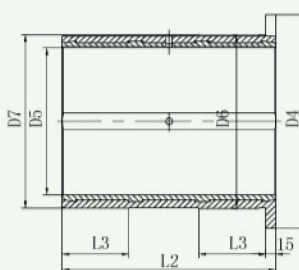
Remarks:

This type of stern tube bearings is suitable for inland water vessels whose stern tube working medium is oil.

JQ/CS 49艉轴轴承 JQ / CS 49 stern shaft bearings



JQ/CS 49后轴承
JQ/CS 49 aft bearing



JQ/CS 49前轴承
JQ/CS 49 forward bearing

技术参数

Technical parameters

JQ/CS 49艉轴前后轴承 JQ/CS 49 forward/aft stern shaft bearing

mm

型号 Model	D1	D2	D3	D4	D5	D6	D7	L	L1	L2	L3	A	B	重量 Kg Weight	
														前 Front	后 Back
130JQ/CS49	145	185	184	230	140	185	184	330	90	210	50	176	12	20	28
140JQ/CS49	155	195	194	240	150	190	189	360	90	230	50	186	12	22	32
150JQ/CS49	165	205	204	250	160	205	204	380	100	240	60	196	12	25	36
160JQ/CS49	175	220	219	265	170	225	224	410	100	260	60	210	14	28	40
170JQ/CS49	185	230	229	276	180	230	229	430	100	270	70	220	14	32	44
180JQ/CS49	195	250	249	300	190	245	244	460	110	290	80	240	14	36	48
190JQ/CS49	205	260	259	310	200	255	254	480	120	300	80	250	14	41	62
200JQ/CS49	215	260	259	310	210	255	254	510	140	310	90	255	14	46	70
210JQ/CS49	225	266	265	320	220	261	260	530	150	320	100	260	14	51	80
220JQ/CS49	235	280	279	340	230	275	274	560	150	340	100	275	14	56	90
230JQ/CS49	245	295	294	350	240	295	294	580	160	360	100	284	16	62	100
240JQ/CS49	260	305	304	360	255	300	299	620	170	370	110	300	16	67	110
250JQ/CS49	270	315	314	370	265	315	314	650	180	380	110	310	16	73	120
260JQ/CS49	280	330	329	400	275	325	324	680	200	400	120	315	18	80	135
270JQ/CS49	290	340	339	400	285	335	334	710	200	420	120	325	18	86	145
280JQ/CS49	300	350	349	410	295	345	344	730	210	440	120	335	18	92	155
290JQ/CS49	310	360	359	420	305	355	354	750	220	460	120	345	18	100	165
300JQ/CS49	320	370	369	430	315	365	364	780	230	470	120	355	18	110	175
310JQ/CS49	330	380	379	440	325	375	374	800	240	480	120	365	18	120	185
320JQ/CS49	340	390	389	450	335	385	384	830	240	500	130	375	18	130	200
330JQ/CS49	350	400	399	460	345	395	394	850	240	520	130	385	18	140	215
340JQ/CS49	360	410	409	470	355	405	404	880	250	530	130	395	18	155	230
350JQ/CS49	370	420	419	480	365	415	414	900	250	550	140	405	18	170	245

注: 本表中尺寸仅供参考, 本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



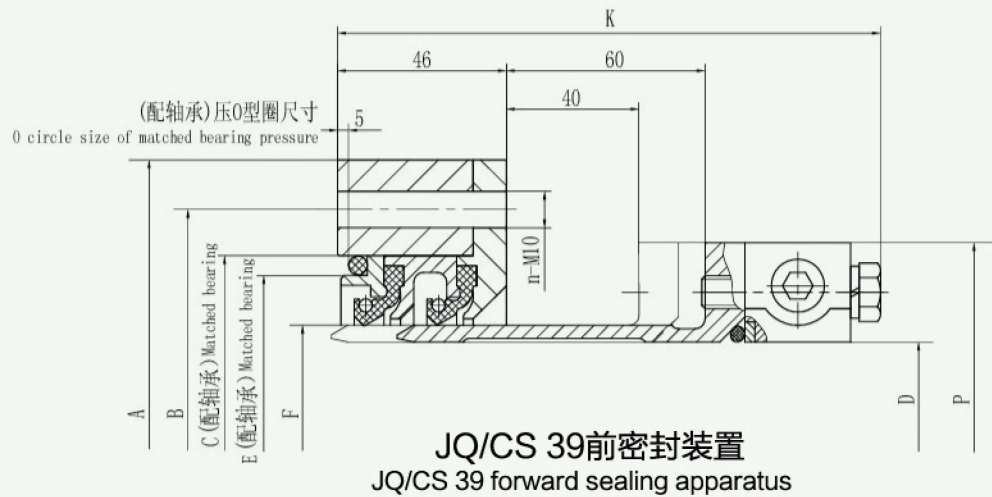
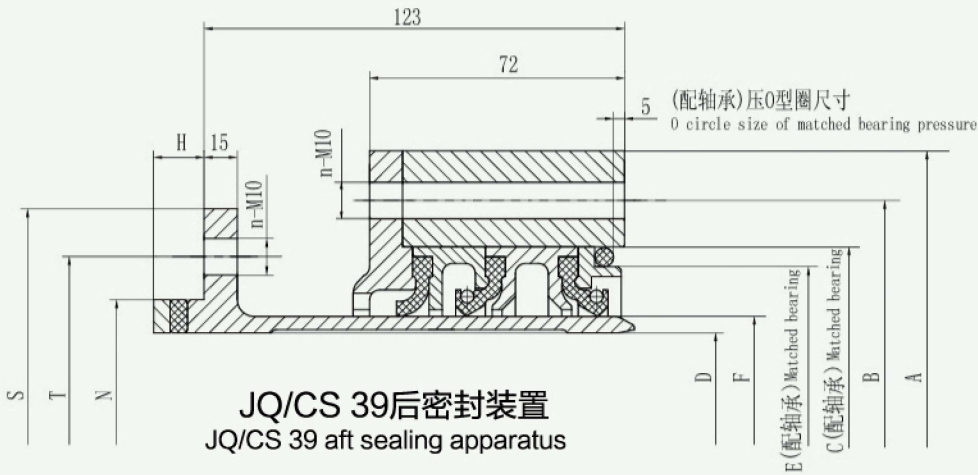
说明:

长江及内河航行的船舶, 润滑工作介质为油类, 船舶艉轴直径较小时, 建议选用该类型装置。

Remarks:

When inland water vessels have oil as their lubricating working medium and do not have a large stern shaft, this type of apparatuses is suggested to be chosen.

JQ/CS 39艉轴密封装置 JQ/CS 39 stern shaft sealing device



技术参数

Technical parameters

JQ/CS 39艉轴密封装置 JQ/CS 39 stern shaft sealing apparatus

mm

型号 Model	D	A	B	C	E	H	K	T	N	P	S	n	F	重量 Kg Weight	
														前 Front	后 Back
70JQ/CS39	70	176	150	122	110	17.5	144	116	90	130	145	6	80	9	10.5
80JQ/CS39	80	185	160	132	120	17.5	146	126	100	140	155	6	90	10.2	11.8
90JQ/CS39	90	195	170	142	130	17.5	148	136	110	150	165	8	100	11.5	13.5
100JQ/CS39	100	205	180	152	140	17.5	150	146	120	160	175	8	110	13	16
110JQ/CS39	110	220	190	162	150	17.5	150	156	130	170	185	8	120	15	19
120JQ/CS39	120	235	200	172	160	20	152	166	145	180	195	8	130	17.8	22.5

注: 本表中尺寸仅供参考, 本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



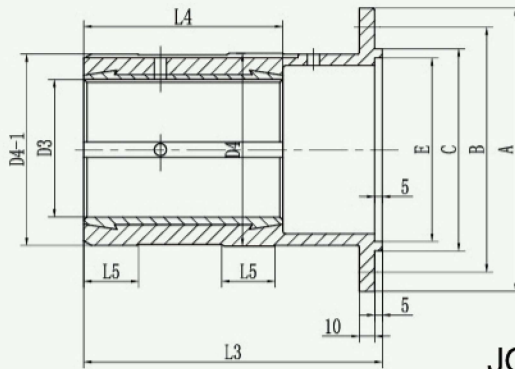
说明:

长江及内河航行的船舶,且艉管工作介质为油类,船艉轴不大时,建议选用该类型轴承。

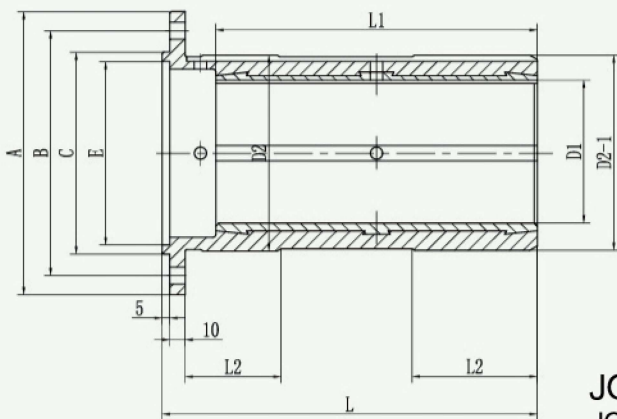
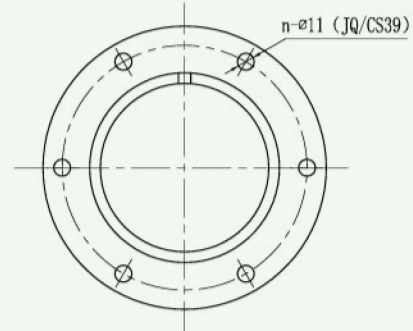
Remarks:

This type of bearings is suitable for inland water vessels whose stern tube working medium is oil and that do not have a large stern shaft.

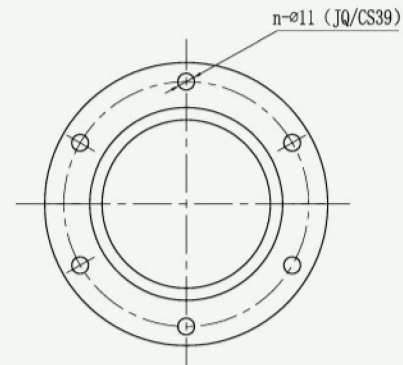
JQ/CS 39艉轴轴承 JQ/CS 39 stern shaft bearings



JQ/CS 39前轴承
JQ/CS 39 forward bearing



JQ/CS 39后轴承
JQ/CS 39 aft bearing



技术参数

Technical parameters

JQ/CS 39艉轴前后轴承 JQ/CS 39 forward/aft stern shaft bearing

mm

型号 Model	D1	D2	D3	D4	L	L1	L2	L3	L4	L5	n	重量 Kg Weight	
												前 Front	后 Back
70JQ/CS39	80	118	78	116	220	185	50	175	110	30	6	7	10
80JQ/CS39	90	128	88	126	245	210	60	195	130	35	6	8.3	12
90JQ/CS39	100	138	98	136	275	240	70	215	150	40	8	10	15
100JQ/CS39	110	148	108	146	295	260	80	235	170	40	8	11.5	18
110JQ/CS39	120	158	118	156	315	280	90	246	180	45	8	13.7	21
120JQ/CS39	130	168	128	166	345	310	90	265	200	50	8	16	25

注: 本表中尺寸仅供参考, 本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



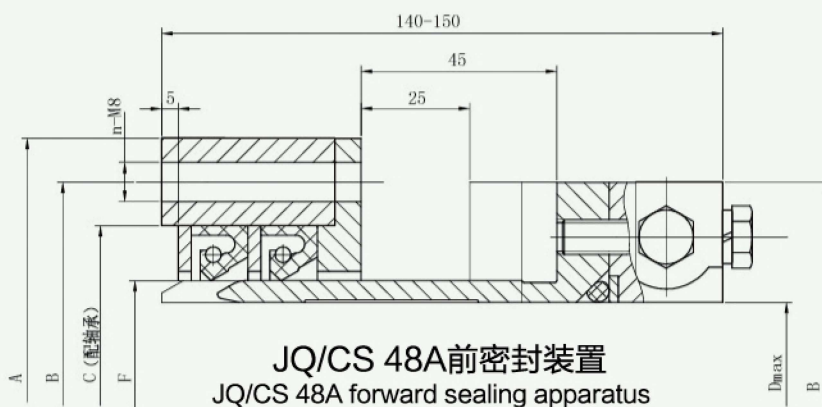
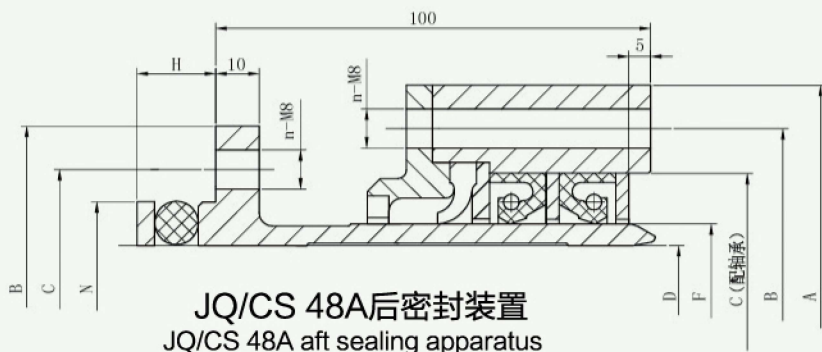
说明:

长江及内河航行的船舶，特别是小型快艇，建议选用该类型装置。

Remarks:

It is suggested for inland water vessels especially for small yachts.

JQ/CS 48A艉轴密封装置 JQ/CS 48A stern shaft sealing device



技术参数

Technical parameters

JQ/CS 48A艉轴密封装置 JQ/CS 48A stern shaft sealing apparatus

mm

规格 Specifications	D	A	B	C	F	H	N	n	密封重量 Kg Sealing weight	
									前 Front	后 Back
45	38	110	90	70	45	12	50	4	4.5	5
50	43	115	95	75	50	12	55	4	4.8	5.3
55	48	120	100	80	55	12	60	4	5.2	5.7
60	52	125	105	85	60	12	65	4	5.6	6.1
65	57	130	110	90	65	12	70	6	6.0	6.5
70	60	135	115	95	70	12	75	6	6.4	7.0
75	67	140	120	100	75	12	80	6	6.8	7.5
80	70	145	125	105	80	17	90	6	7.3	8.1
85	75	150	130	110	85	17	95	6	7.8	8.8
90	80	155	135	115	90	17	100	6	8.5	9.8
95	85	160	140	120	95	17	105	8	9.2	11
100	90	165	145	125	100	17	110	8	9.9	12.5
105	95	170	150	130	105	17	115	8	10.8	14
110	100	175	155	135	110	17	120	8	12	15.5

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



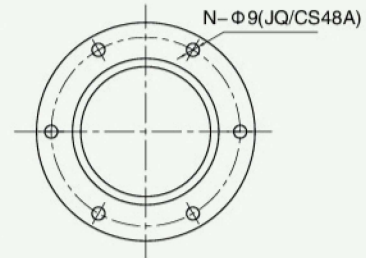
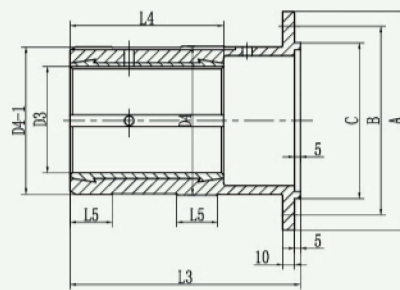
说明：
该类型轴承与选用的JQ/CS48A型密封装置配套使用。

Remarks:
This type of bearings is used together with JQ/CS 48A sealing apparatus.

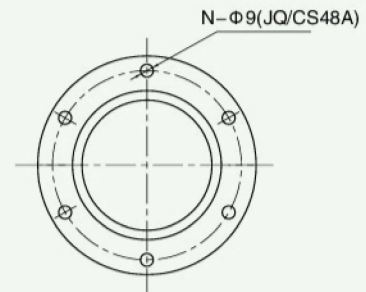
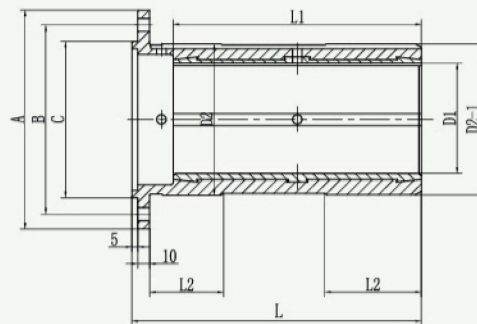
JQ/CS 48A艉轴轴承 JQ/CS 48A stern shaft bearings



JQ/CS 48A前轴承
JQ/CS 48A forward bearing



JQ/CS 48A后轴承
JQ/CS 48A aft bearing



技术参数

Technical parameters

JQ/CS 48A艉轴前后轴承 图中 $D_3=D_1-1$ $D_4=D_2-1$ N与Dmax对应增减

JQ/CS 48A forward/aft stern shaft bearing 图中 $D_3=D_1-1$ $D_4=D_2-1$. N increases and decreases as Dmax. mm

规格 Specifications	A	B	C	N	D1	D2	L	L1	L2	L3	L4	L5	重量Kg weight	
													前Front	后Back
45	110	90	70	4	40	60	135	100	25	95	60	15	1.5	2
50	115	95	75	4	45	66	150	115	30	105	70	15	1.8	2.4
55	120	100	80	4	50	72	160	125	35	115	80	20	2.2	2.9
60	125	105	85	4	55	77	170	135	40	120	85	20	2.6	3.5
65	130	110	90	6	60	83	185	150	45	125	90	25	3.1	4.2
70	135	115	95	6	65	88	195	160	50	130	95	25	3.8	5.0
75	140	120	100	6	70	93	205	170	55	140	105	30	4.3	6.0
80	145	125	105	6	75	98	215	180	60	145	110	30	4.9	7.2
85	150	130	110	6	80	105	225	190	65	155	120	35	5.6	9.0
90	155	135	115	6	85	110	240	205	70	165	130	35	6.4	9.8
95	160	140	120	8	90	115	255	220	75	170	135	40	7.3	10.8
100	165	145	125	8	95	120	265	230	80	175	140	40	8.2	12
105	170	150	130	8	100	126	280	245	85	185	150	45	9.2	13.4
110	175	155	135	8	105	132	295	260	90	195	160	45	10.5	15

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
本轴承适用于各种类型油润滑介质的船舶。

Remarks:
This bearing is suitable for vessels of different sizes whose lubricating medium is oil.

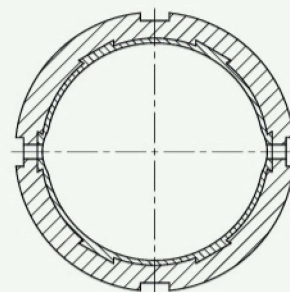
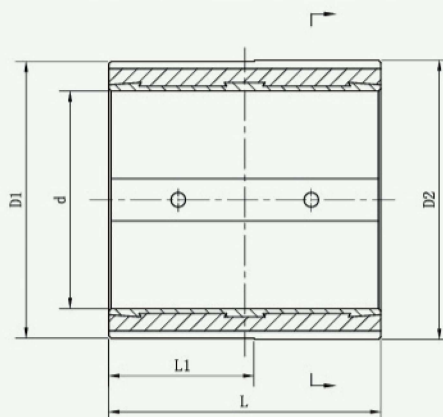
船舶艏管白合金轴承 Ship stern tube white metal bearing



标记示例：

基本轴径 ϕ 200mm 长为500mm的艏管后
轴承WHA200x500

基本轴径 ϕ 196mm 长为300mm的艏管前
轴承WQA196x300



技术参数

Technical parameters

船舶艏管白合金轴承

艏管前轴承系列尺寸 Sizes of stern tube forward bearings 艏管后轴承系列尺寸 Sizes of stern tube aft bearing

d	L		L1		D1	D2	质量Quality(kg)	
	A型	B型	A型	B型			A型	B型
68	90	100	-	-	-	98	3	4
78	100	120	-	-	-	112	5	6
88	110	135	-	-	-	124	6	7
98	125	150	-	80	134	135	8	9
108	140	165	-	90	144	145	9	10
118	150	180	80	95	155	156	11	13
128	165	195	90	105	165	166	13	15
138	175	210	95	110	177	178	15	18
148	190	225	100	120	188	190	18	21
156	200	240	105	125	204	205	24	28
166	215	255	115	135	214	215	27	32
176	225	270	120	140	224	225	30	35
186	240	285	125	150	235	236	35	40
196	250	300	135	160	245	246	40	45
215	275	330	155	175	264	266	45	55
235	300	360	160	190	286	288	55	65
245	315	375	170	200	302	304	70	80
255	325	390	175	205	313	315	75	85
275	350	420	185	220	336	338	90	110
295	375	450	200	235	358	360	110	130
315	400	480	210	250	378	380	120	145
345	440	525	230	275	408	410	145	175
375	475	570	250	295	442	444	180	215
395	500	600	260	315	468	470	220	260
445	565	680	300	355	522	524	290	350
465	590	710	310	370	543	545	320	385
495	625	750	330	395	578	580	380	460
525	660	800	345	415	608	610	425	515
555	700	840	365	435	638	640	475	570
595	750	900	395	465	680	690	610	735

d	L		L1		D1	D2	质量Quality(kg)	
	A型	B型	A型	B型			A型	B型
70	175	210	95	110	99	100	6	8
80	200	240	105	125	114	115	10	11
90	220	270	115	140	124	125	12	14
100	250	300	130	155	134	135	14	17
110	280	330	145	170	146	147	18	21
120	300	360	155	185	157	158	22	25
130	330	390	170	200	167	168	25	30
140	350	420	185	220	179	180	30	35
150	380	450	195	235	191	192	35	45
160	400	480	210	250	208	209	50	60
170	420	510	220	265	217	218	55	65
180	450	540	235	280	227	228	60	70
190	480	570	250	295	239	240	70	85
200	500	600	260	310	249	250	75	90
220	550	660	280	340	279	280	110	135
240	600	720	310	370	291	292	120	145
250	620	750	320	385	306	308	135	160
260	650	780	335	400	318	320	150	185
280	700	840	360	430	340	342	180	215
300	750	900	385	460	362	364	215	260
320	800	960	410	490	383	385	245	295
350	880	1050	450	530	414	416	300	355
380	950	1140	480	585	446	448	360	430
400	1000	1200	515	615	474	476	445	535
450	1120	1350	575	690	526	528	570	690
470	1180	1410	605	720	548	550	645	770
500	1250	1500	640	765	582	584	760	915
530	1320	1590	675	810	613	615	860	1035
560	1400	1680	715	855	643	645	960	1150
600	1500	1800	765	915	692	695	1230	1480

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明:

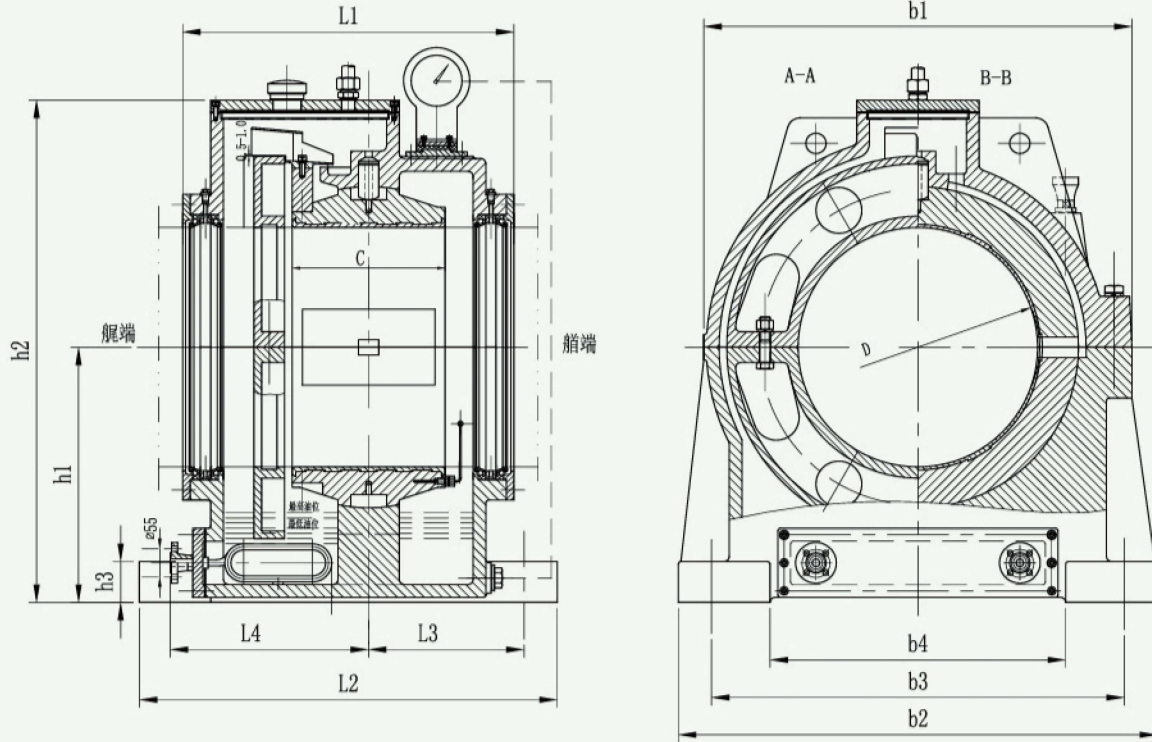
船舶轴系比压大于正常规范比压(0.6MPa)以上且需要调心要求的舰船舶, 适宜选用该类型的大比压中间轴承。

Remarks:

This kind of large pressure intermediate bearing is suitable for vessels whose shafting pressure is (0.6MPa) larger than normative pressure and that need self-aligning.

舰用/船用 DTZ大比压调心中间轴承

Marine / marine DTZ specific pressure aligning intermediate bearing



DTZ大比压调心中间轴承

DTZ large pressure self-aligning intermediate bearing

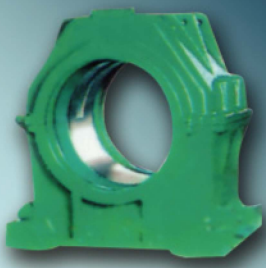
技术参数

Technical parameters

D	连接螺栓	b1	b2	b3	b4	C	h1	h2	h3	L1	L2	L3	L4
120-160	4 × M20	320	310	270	160	86	185	360	32	306	320	155	115
161-200	4 × M20	380	370	320	190	105	220	420	32	330	350	170	130
201-240	4 × M24	450	440	380	230	126	270	500	35	354	390	185	145
241-280	4 × M30	514	506	430	260	150	300	560	38	406	450	205	175
281-330	4 × M30	604	596	520	320	170	340	645	43	436	480	220	190
331-390	4 × M36	684	664	580	360	200	380	730	48	480	540	245	215
391-450	4 × M36	770	760	670	440	230	425	820	93	535	585	270	235
451-510	4 × M42	860	860	760	480	260	480	920	108	620	700	320	280
511-570	4 × M42	960	910	810	510	290	530	1020	120	670	740	340	300
571-650	4 × M48	1080	1030	910	570	330	610	1150	147	770	850	385	345
651-740	4 × M48	1190	1170	1020	660	380	720	1330	177	840	930	425	375

注: 本表中尺寸仅供参考, 本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



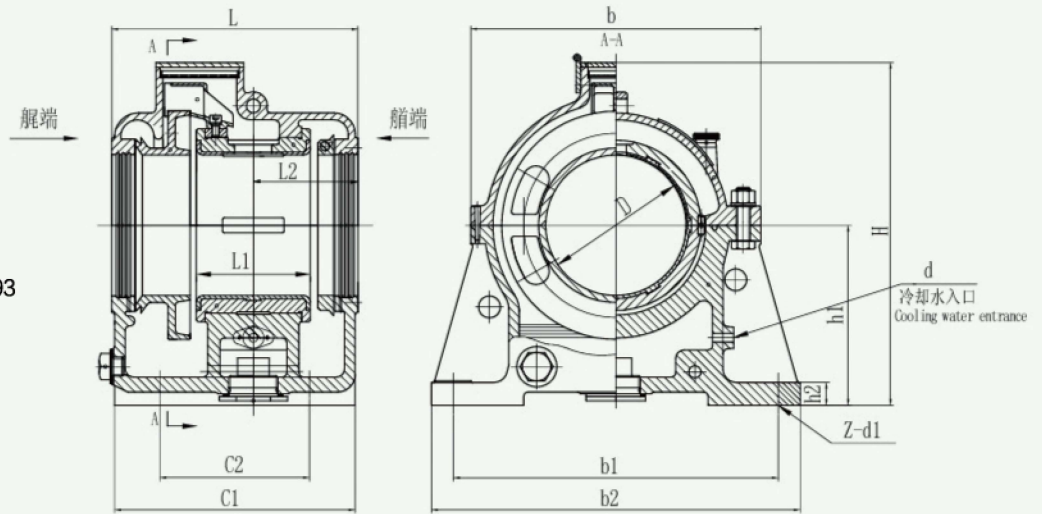
说明:

适用于各类船舶。中小型船舶建议选用A型、B型。
B型不带上轴瓦。

Remarks:

It is suitable for inland water vessels. Small and medium vessels are suggested to choose type A and B. Type B has no upper bearing.

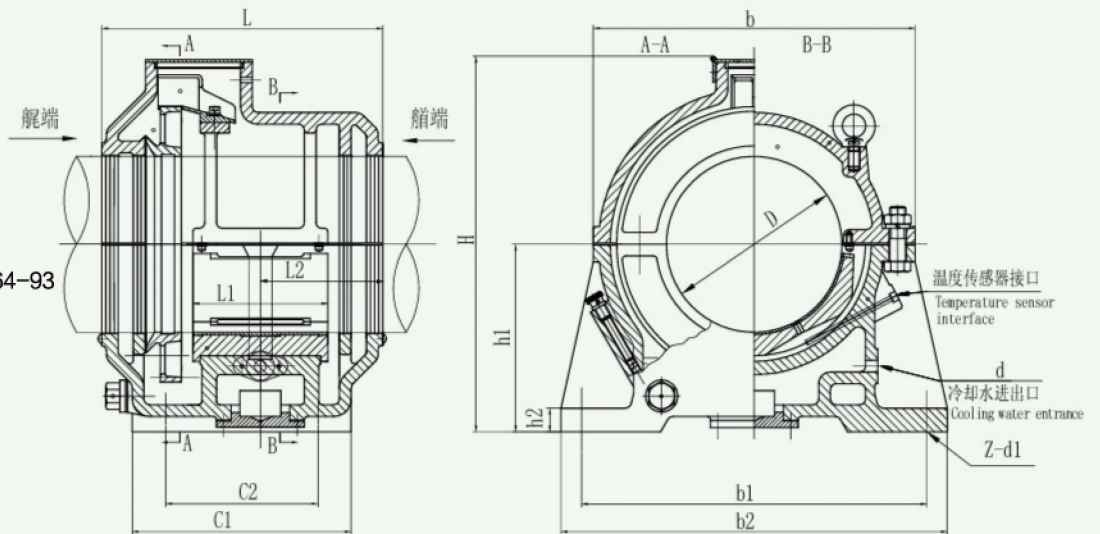
GB/T 14364-93型滑动式中间轴承
GB/T 14364-93 type intermediate bearing



标记示例:
基本轴径 $\phi 120\text{mm}$
中间轴承A120 GB/T14364-93

图一 A型单油楔滑动式中间轴承

Drawing 1 A single oil wedge gliding intermediate bearing



标记示例:
基本轴径 $\phi 280\text{mm}$
中间轴承B280 GB/T14364-93

图二 B型多油楔滑动式中间轴承

Drawing 2 B multi oil wedge gliding intermediate bearing



说明:

适用于各类船舶。大中型船舶应选用B型、C型。大型船舶建议选用C型。

Remarks:

It is suitable for vessels in inland water. Medium and large vessels are suggested to choose type B and C. Large vessels are suggested to choose type C.

GB/T 14364-93型滑动式中间轴承
GB/T 14364-93 type intermediate bearing



标记示例:
基本轴径 $\phi 420\text{mm}$
中间轴承C420 GB/T14364-93

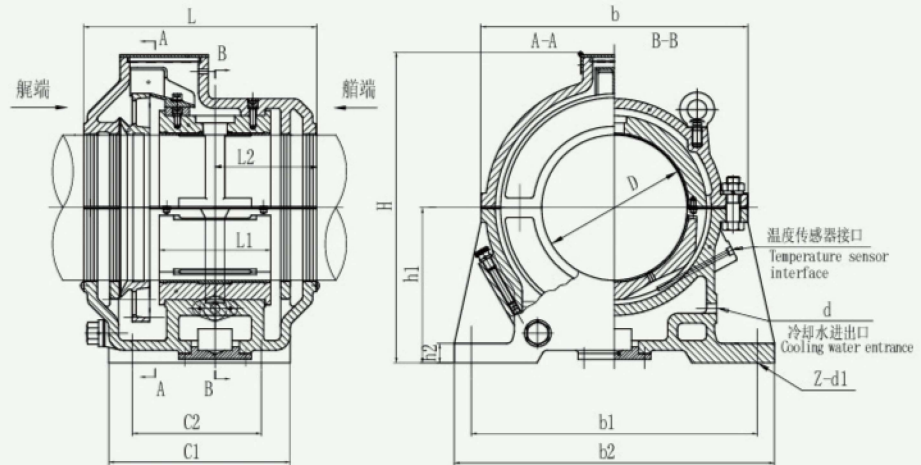


图3 C型多油楔滑动式中间轴承

Drawing 3 Type C multi oil wedge gliding intermediate bearing

技术参数

Technical parameters

轴径D Shaft diameter	L	L1	L2	H	H1	H2	b	b1	b2	c1	c2	d1	d	z	类型 Type
80	190	65	79.5	262	135	23	220	250	296	185	125	21	$G\frac{3}{4}''$	4	A型
100	200	80	85	270	145	23	240	270	316	195	135	21	$G\frac{3}{4}''$	4	
120	225	100	97	312	160	25	270	300	350	220	160	21	$G\frac{3}{4}''$	4	
140	250	115	107.5	370	190	28	304	340	390	244	194	21	$G\frac{3}{4}''$	4	
160	280	130	119	400	205	28	330	370	420	274	224	25	$G\frac{3}{4}''$	4	
180	335	145	140	485	265	30	400	450	510	280	230	25	20	4	
200	350	160	140	496	275	35	410	450	510	326	250	25	20	4	
220	380	180	164	544	292	38	430	490	566	374	298	25	20	4	
250	420	195	187	580	300	40	490	530	610	322	250	32	20	4	
280	450	215	199	620	310	40	520	560	630	340	270	32	20	4	
300	480	230	209	635	320	40	550	590	660	370	298	32	20	4	
320	500	250	219	690	350	50	580	630	700	390	320	32	20	4	
350	530	270	236	780	400	50	650	700	780	418	334	38	25	4	
380	560	290	240	790	420	55	710	760	840	460	380	38	25	4	
400	590	300	260	810	440	55	730	780	860	480	400	38	25	4	
420	620	320	265	900	460	65	770	820	920	500	400	44	25	4	
450	660	340	280	930	480	65	810	840	940	528	424	44	32	4	
480	680	360	298	960	500	65	820	870	970	545	445	50	32	4	
500	710	380	305	1060	570	70	900	1000	1120	600	480	50	32	4	
530	730	410	315	1090	580	70	920	1020	1140	620	500	50	32	4	
580	780	430	355	1140	620	75	970	1080	1200	674	554	50	32	4	
600	820	460	380	1180	650	75	1000	1130	1260	700	580	50	32	4	
630	860	480	380	1220	670	80	1060	1170	1300	720	600	50	32	4	
670	920	510	421	1260	690	85	1150	1250	1370	750	630	50	32	6	
710	960	540	435	1330	710	85	1200	1340	1470	800	670	50	32	6	
750	1050	570	435	1400	750	90	1260	1420	1580	850	710	60	32	6	
800	1100	610	435	1480	800	90	1300	1460	1620	920	760	60	32	6	

注: 本表中尺寸仅供参考, 本产品可根据用户给定尺寸设计制造。

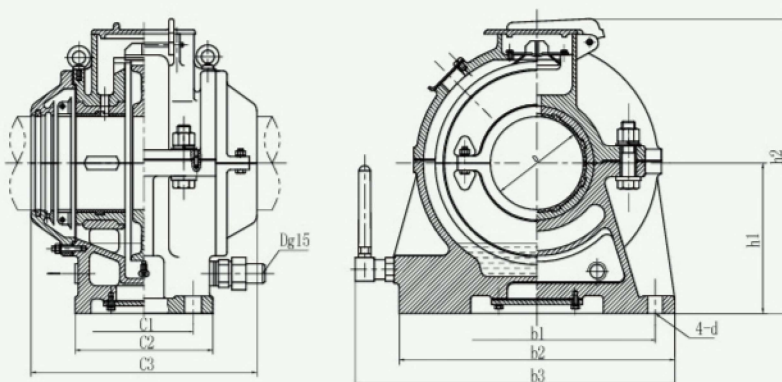
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



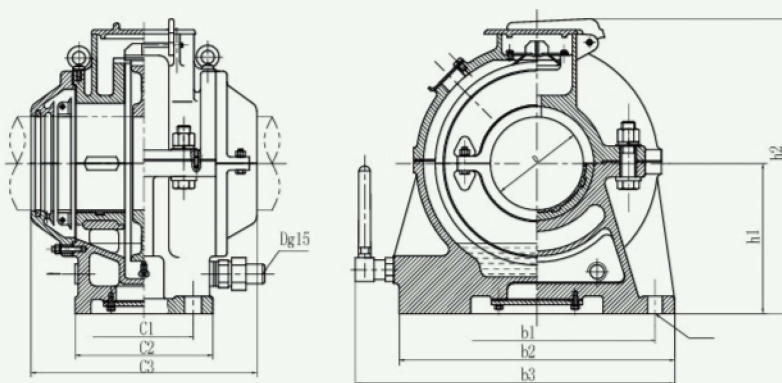
说明：
长江内河中小型船舶推荐用该类型中间轴承。

Remarks:
This type of intermediate bearings is recommended for small and medium vessels in inland water.

JT/T259 (原JT4175) 轴系中间轴承
JT/T259 (original JT4175) shaft center bearing



JT/T259(原JT4175)A型滑动式中间轴承
JT/T259 (formerly JT41 75)A gliding intermediate bearing



JT/T259(原JT4175)Aa型滑动式中间轴承
JT/T259 (formerly JT41 75) Aa gliding intermediate bearing

技术参数

Technical parameters

JT4175 A型和Aa型滑动式中间轴承 JT4175 A and Aa type gliding intermediate bearing

规格 Specifications	D	C1	C2	C3	b1	b2	b3	h1	h2	d	重量 kg Weight
140	140	150	210	344	360	420	473	229	450	25	115
160	160	171	231	365	396	456	514	240	472	25	119
180	180	183	253	387	410	480	538	252	491	32	151
200	200	205	275	407	440	510	568	280	529	32	170
210	210	215	285	419	445	515	585	288	547	32	189
220	220	227	297	431	466	536	594	285	555	32	207
250	250	259	329	465	502	572	630	295	590	32	252

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

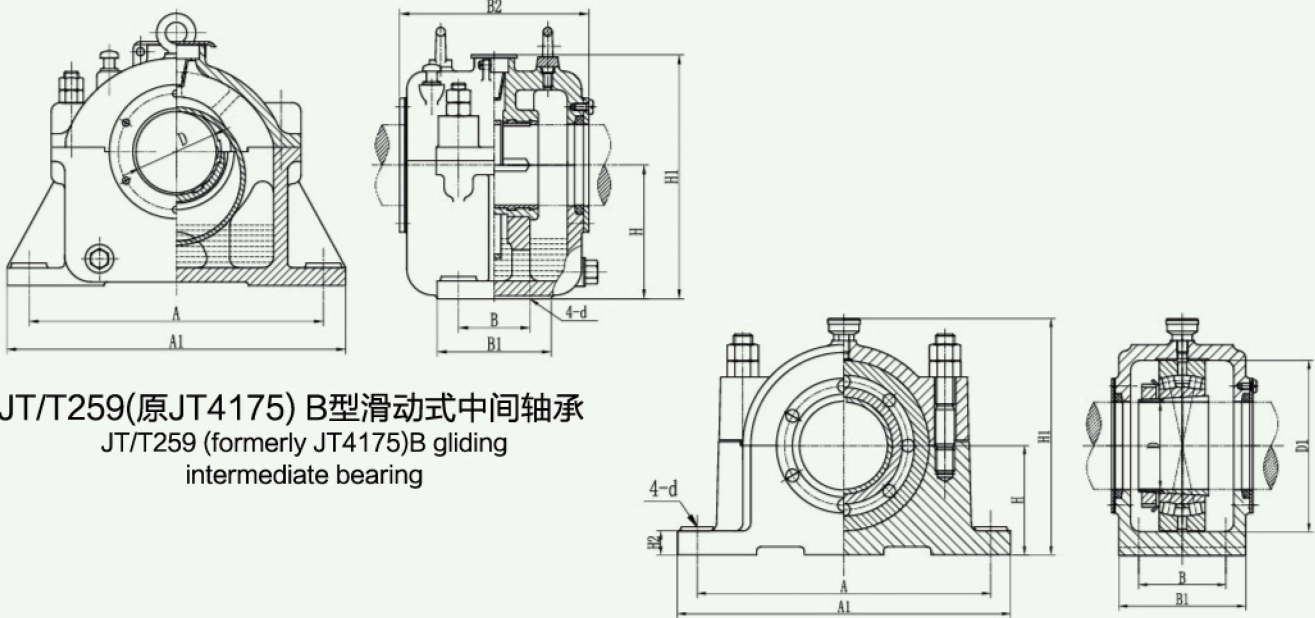
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
B型滑动式中间轴承。C型为滚动式中间轴承。
长江内河小型船舶推荐选用该类型中间轴承。

Remarks:
B type gliding intermediate bearing. Type C is rolling intermediate bearing.
This type of intermediate bearings is recommended for small vessels in inland water.

JT/T259 (原JT4175) 轴系中间轴承
JT/T259 (original JT4175) shaft center bearing



JT/T259(原JT4175) B型滑动式中间轴承
JT/T259 (formerly JT4175) B gliding intermediate bearing

JT/T259(原JT4175) C型JQ/CS 16滚动式中间轴承
JT/T259 (formerly JT4175) C JQ/CS 16 rolling intermediate bearing

技术参数

Technical parameters

JT4175 B型滑动式中间轴承 JT4175 B gliding intermediate bearing

mm

型号 Model	D	A	A1	B	B1	B2	H	H1	d	重量Kg weight
B60 JT4175	60	280	330	60	110	178	130	230	21	32
870 JT4175	70	290	340	70	120	180	135	242	21	35
880 JT4175	80	300	350	70	120	190	140	252	21	38
B90 JT4175	90	330	380	80	130	210	150	272	21	46
B100 JT4175	100	340	400	90	150	220	160	282	25	55
B110 JT4175	110	350	410	100	160	240	180	308	25	57
B120 JT4175	120	350	410	100	160	240	180	308	25	60
B140 JT4175	140	405	470	116	180	275	198	340	32	73

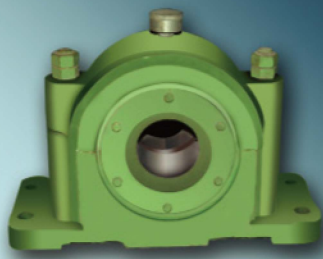
JT4175 C型滚动式中间轴承 JT4175 C rolling intermediate bearing

mm

轴承型号 Bearing model	D	D1	H	H1	H2	A	A1	B	B1	d	重量Kg weight
13514	70	140	95	224	30	270	310	70	128	21	19
13516	80	160	105	243	30	290	330	80	138	21	26
13518	90	180	120	270	35	320	360	90	148	21	30
13520	100	200	130	290	35	350	390	100	158	21	38
13522	110	215	137.5	310	40	370	420	110	178	25	46
13525	125	250	165	360	45	420	470	130	198	25	59

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明:

D型为整体滚动式中间轴承

适用于长江内河小型船舶,且船舶轴系设计时为整体滚动子式中间轴承的场合。

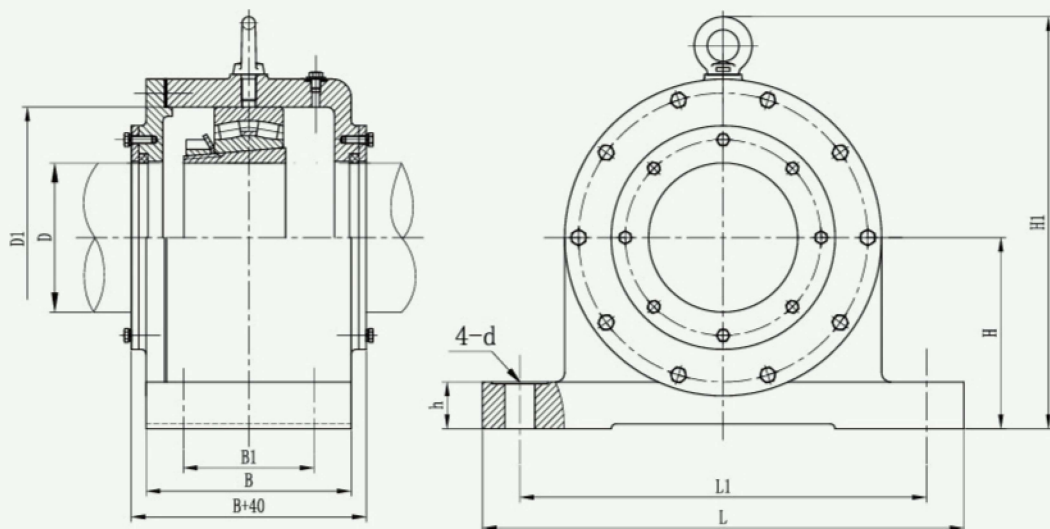
Remarks:

Type D is integral rolling intermediate bearing.

It is suitable for small vessels in inland water when the shafting is designed for integral rolling intermediate bearing.

JT4175轴系中间轴承

JT4175 shafting intermediate bearing



JT4175 D型JQ/CS16滚动式中间轴承 (外壳整体式)
JT4175 D JQ/CS16 rolling intermediate bearing (integral housing)

技术参数

Technical parameters

D型JQ/CS16滚动式中间轴承 D JQ/CS16 rolling intermediate bearing

mm

轴承型号 Bearing model	D	D1	L	L1	B	B1	H	h	d	H1	重量Kg weight
3253122	110	180	386	326	170	110	150	35	20	330	30
3253123	115	200	406	346	180	120	160	35	20	345	35
3253125	125	210	430	360	190	120	165	40	26	360	43
3253127	135	225	446	376	200	130	175	40	26	380	53
3253128	140	240	476	396	210	130	180	45	26	400	66
3253130	150	250	486	406	220	140	190	45	32	415	80
3253132	160	280	516	436	220	140	205	50	32	445	95
3253134	170	290	540	450	240	150	210	50	38	460	112
3253136	180	310	560	470	240	150	220	55	38	485	130
3253140	200	340	590	500	250	160	240	55	38	530	150
3253144	220	360	640	530	270	160	260	60	44	570	175
3253148	240	400	680	570	290	180	280	60	44	610	200
3253152	260	420	720	600	300	180	300	65	50	650	230
3253156	280	460	760	640	310	190	320	65	50	690	260
3253160	300	480	800	670	320	190	340	70	58	730	290
3253164	320	520	840	710	330	200	360	70	58	770	340

注:本表中尺寸仅供参考,本产品可根据用户给定尺寸设计制造。

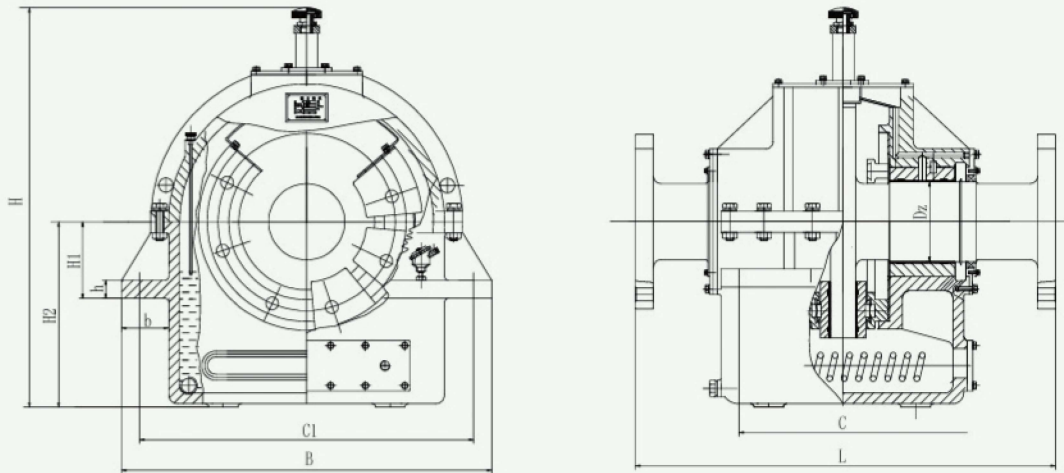
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
适用于有大推力要求且轴向串动要求较小的船舶使用。

Remarks:
It is suitable for vessels that have a large thrust requirement and a small axial vibration requirement.

TZ 系列船舶推进轴系滑动推力轴承 TZ series marine propulsion shafting sliding thrust bearing



技术参数

Technical parameters

型号 Model	轴颈直径 Shaft journal diameter Dz	最大使用推力 Pmax(kgf) Use the largest thrust	最大使用推力时转速 n(rpm) When the largest thrust is used
T2140	140	6000	600/300
T2160	160	9000	600/200
T2180	180	12000	600/200
T2200	200	16000	500/180
T2220	220	20000	500/180
T2280	280	30000	350/120

型号 Model	外形近似尺寸 Approximate sizes of appearance						安装近似尺寸 Approximate sizes of installation						
	L	B	H	H1	H2	b	h	基座螺栓孔 Base bolt hole				C	C1
								铰孔 Reaming		钻孔 Bore			
								d1	数量 Quantity	d2	数量 Quantity		
TZ140	550	620	650	140	335	70	25	21	4	21	4	550	360
TZ160	640	700	730	150	380	70	25	21	4	21	4	620	400
TZ180	720	800	800	150	400	70	30	32	4	31	4	720	500
TZ200	760	840	835	160	425	70	30	32	4	31	4	770	560
TZ220	830	870	855	180	465	75	35	32	4	31	8	800	640
TZ280	950	990	975	180	525	80	35	38	4	37	8	920	760

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

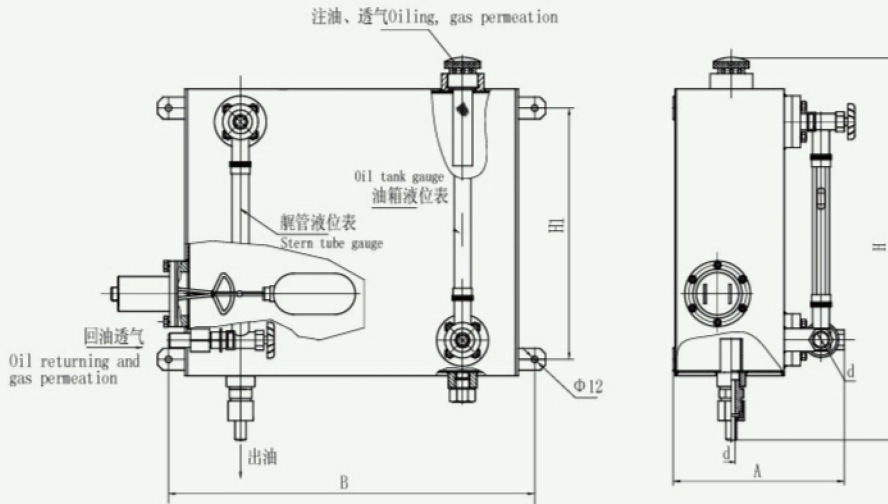
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
该类型油箱30L以上的可配置低油位报警装置。

Remarks:
This type of oil tanks above 30L can be equipped with a low oil alarm device.

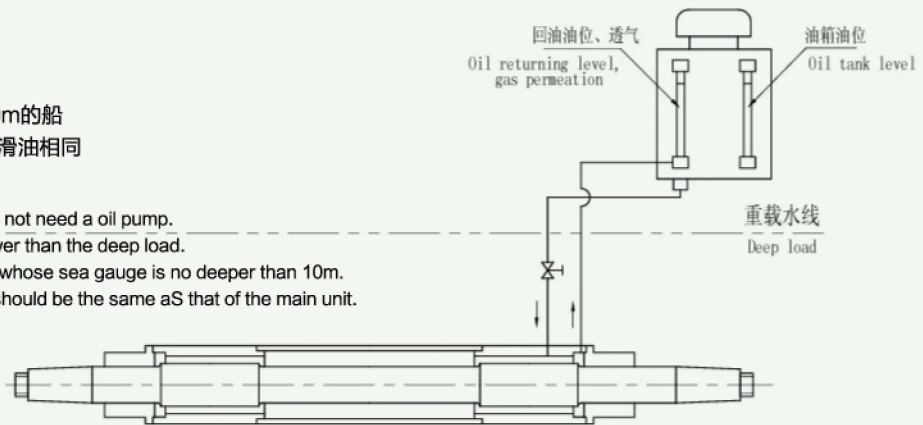
CB*3333艉轴润滑油箱 艉轴润滑系统
CB*3333 stern shaft lubrication system for lubricating oil tank



CB*3333艉轴润滑油箱
CB*3333 stern shaft lubrication oil tank

- 说明：
- 1、本系统不需油泵
 - 2、油位不低于重载水线
 - 3、适用于吃水不超过10m的船
 - 4、润滑油牌号与主机润滑油相同

- Remarks:
1. The present system does not need a oil pump.
 2. The oil level won't be lower than the deep load.
 3. It is applicable to vessels whose sea gauge is no deeper than 10m.
 4. The lubrication oil brand should be the same as that of the main unit.



技术参数
Technical parameters

艉轴润滑系统原理
Principles of stern shaft lubricating system

CB*3333艉轴润滑油箱 CB*3333 stern shaft lubrication oil tank

型号 Model	容量 L Capacity	A	B	H	H1	d	适用艉轴直径 Applicable stem shaft diameter		重量 kg Weight
							一轴一只油箱 One shaft with one oil tank	两轴一只油箱 Two shaft with one oil tank	
15CB*3333	15	245	370	630	360	15	$\geq 70 \leq 120$	< 70	10
30CB*3333	30	245	520	730	460	15	$> 120 \leq 170$	$\geq 70 \leq 120$	15
50CB*3333	50	285	670	730	460	20	> 170	18	

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



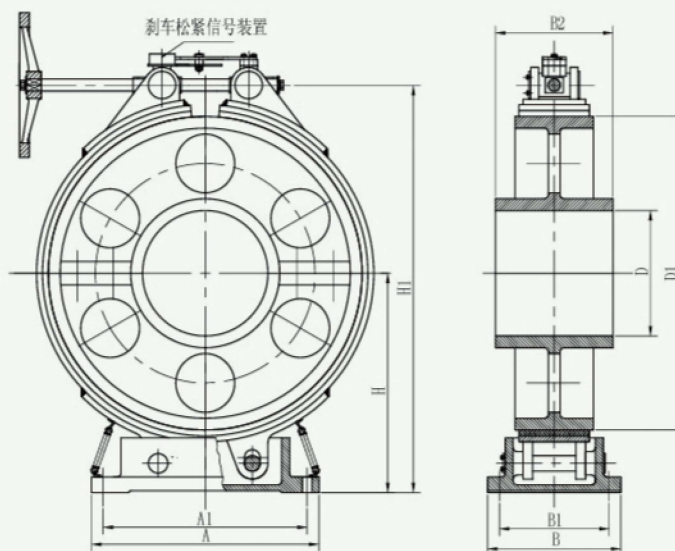
说明：
适用于船舶停航时需锁定艉轴的中小型船舶使用。

Remarks:
It is suitable for small and medium vessels whose stern shafts need to be locked when they anchor.

JZ轴系机械制动器 JZ axis mechanical brake



JZ轴系机械制动器 JZ shafting mechanical brake



技术参数 Technical parameters

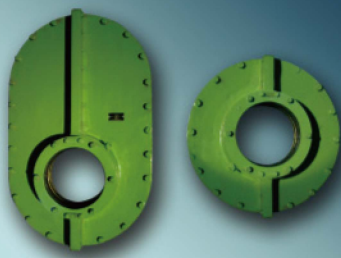
JZ型机械制动器 JZ shafting mechanical brake

mm

型号Model	D	D1	H	H1	A	A1	B	B1	B2	重量 kg Weight
JZ 60	60	380	285	505	320	260	160	110	100	84
JZ 70	70									83
JZ 80	80									82
JZ 90	90									81
JZ 100	100									80
JZ 110	110	500	355	645	380	320	200	150	180	124
JZ 120	120									123
JZ 130	130									122
JZ 140	140									121
JZ 150	150									120
JZ 160	160	620	450	820	440	380	200	200	240	190
JZ 170	170									188
JZ 180	180									186
JZ 190	190									184
JZ 200	200									182
JZ 210	210	750	520	960	500	540	300	240	280	300
JZ 220	220									295
JZ 230	230									290
JZ 240	240									285
JZ 250	250									280

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

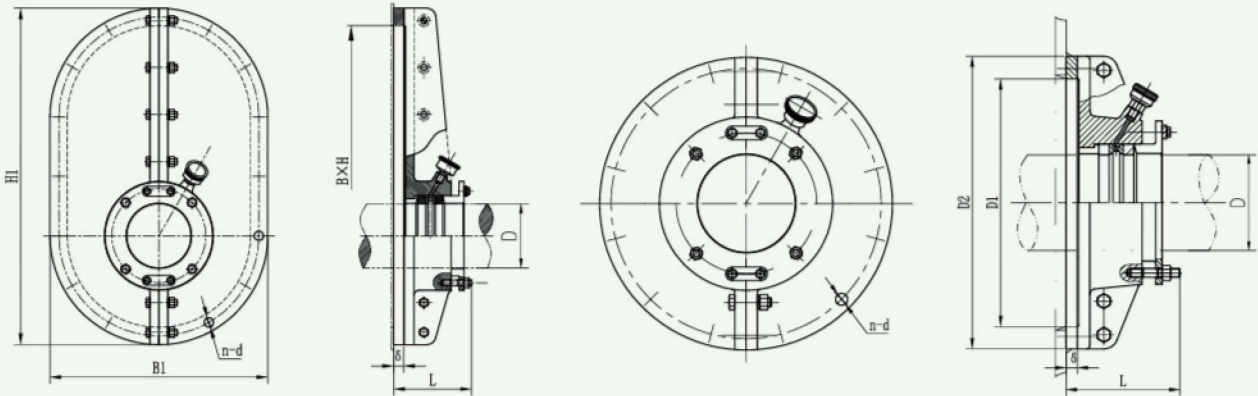
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
船舶隔舱空间大的船舶，建议选用A型。

Remarks:
Type A is suggested for vessels whose bulkhead space is large

JT4174船舶中间轴隔舱填料函 JT4174 ship shaft compartment stuffing box



A型隔舱填料函
A bulkhead stuffing box

C型隔舱填料函
C bulkhead stuffing box

技术参数

Technical parameters

JT4174 A型隔舱填料函 A bulkhead stuffing box C型隔舱填料函 C bulkhead stuffing box mm

型号 Model		D	B (D1)	H	B1 (D2)	H1	L	δ	n	d	油杯 cm ³ Oil cup
A型	C型										
A70	C70	70	220	360	280	420	120	16	14	13	18
A80	C80	80	240	400	300	460	120	16	14	13	18
A90	C90	90	260	430	320	490	120	16	14	13	18
A100	C100	100	290	490	360	560	120	16	14	13	18
A110	C110	110	310	520	380	590	150	20	14	15	25
A120	C120	120	350	590	420	660	150	20	14	15	25
A130	C130	130	370	610	440	680	150	20	14	15	25
A140	C140	140	390	650	460	720	150	20	16	15	25
A150	C150	150	410	690	480	760	150	20	16	15	25
A160	C160	160	420	710	500	790	190	22	16	17	50
A170	C170	170	440	740	520	820	190	22	16	17	50
A180	C180	180	450	770	530	850	190	22	16	17	50
A190	C190	190	470	800	550	880	190	22	16	17	50
A200	C200	200	480	820	560	900	190	22	16	17	50

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

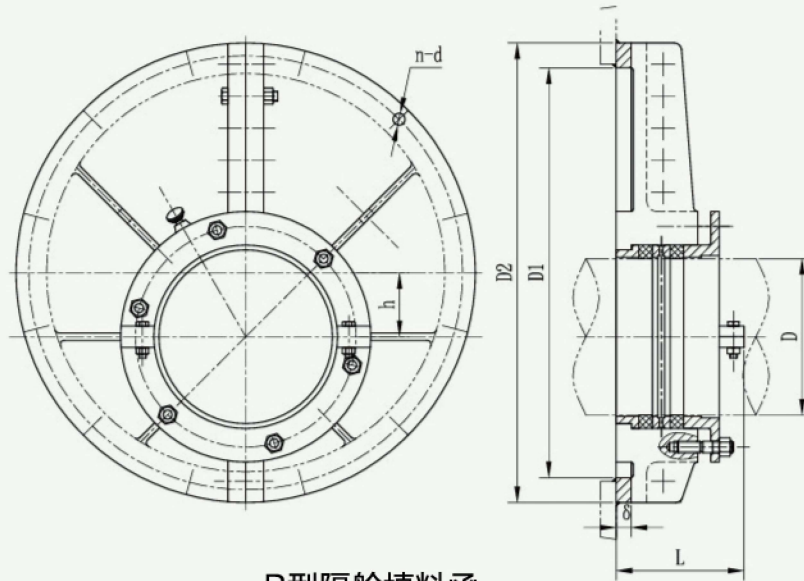
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
船舶隔舱空间较小或设计有要求时，可选用B型、C型。

Remarks:
When the bulkhead space is small or there is a design requirement, type B and C can be chosen.

JT4174船舶中间轴隔舱填料函 JT4174 ship shaft compartment stuffing box



B型隔舱填料函
B bulkhead stuffing box

技术参数

Technical parameters

JT4174 B型隔舱填料函 B bulkhead stuffing box

mm

型号 Model	D	D1	D2	L	h	n	d	δ	油杯 cm ³ Oil cup
B220	220	576	646	180	90	12	17	22	50
B250	250	646	716	180	110	12	17	22	50
B280	280	710	780	180	115	12	17	22	50
B300	300	755	825	180	120	14	21	28	50
B320	320	798	878	210	130	14	21	28	50
B350	350	858	938	210	140	14	21	28	50
B380	380	918	998	210	150	16	21	28	50
B400	400	958	1038	210	160	16	21	28	50
B450	450	1065	1145	230	175	16	21	28	100
B470	470	1107	1197	230	185	18	25	34	100
B500	500	1170	1260	230	195	18	25	34	100
B530	530	1234	1324	230	205	18	25	34	100
B560	560	1296	1386	250	215	20	25	34	100
B600	600	1380	1480	250	230	20	25	34	100

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



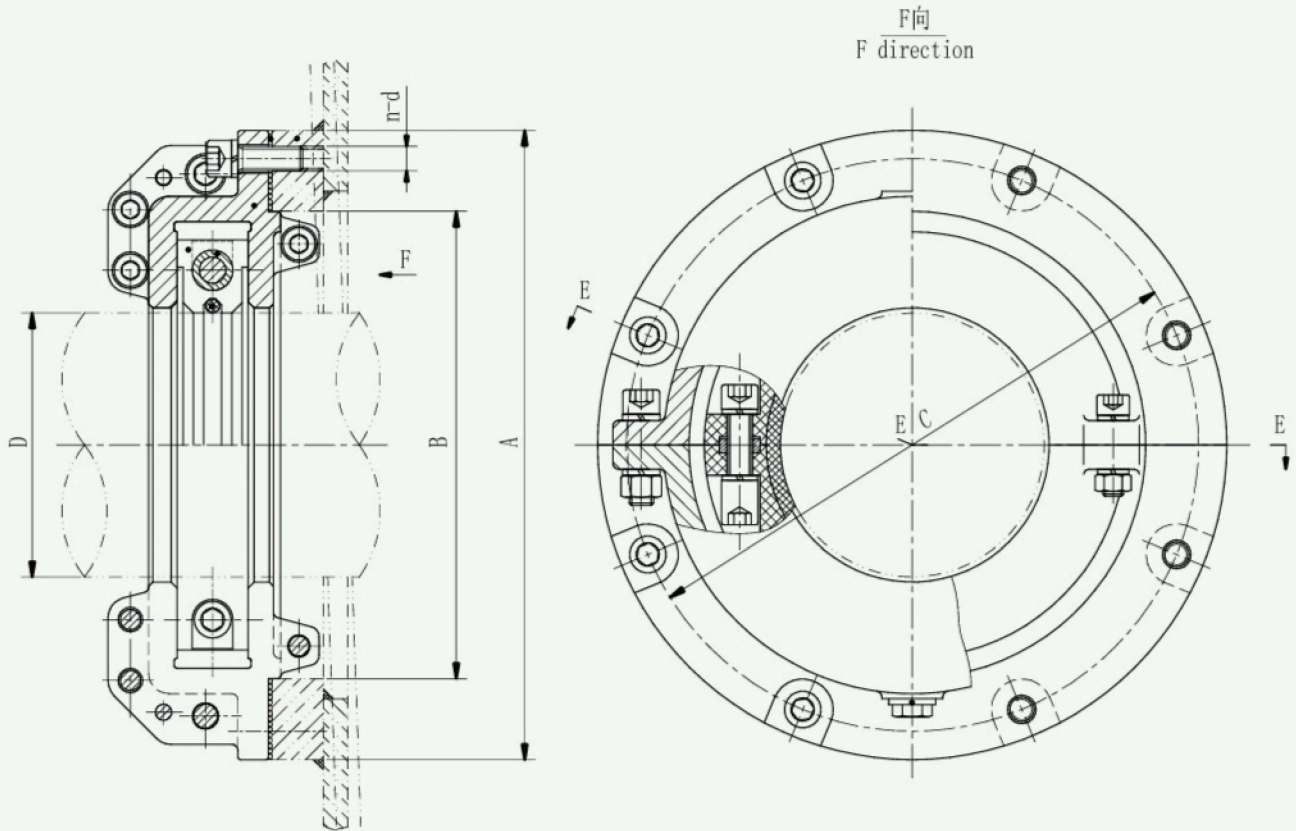
说明:

中小型快艇或船舶建议选用该浮动自密封形式的隔舱密封装置。

Remarks:

It is suggested that small and medium yachts or vessels should equip with this floating self-sealing bulkhead sealing apparatus.

BSD型隔舱密封装置 BSD type sealing device



BSD型隔舱密封装置
BSD bulkhead sealing apparatus

技术参数

Technical parameters

规格 Specifications	70	80	90	106	110	122	125	130	150	170	175	180	200
D	70	80	90	106	110	122	125	130	150	170	175	180	200
A	250	225	270	305	290	305	270	310	330	335	350	360	380
B	170	180	190	230	210	238	245	230	250	280	280	280	300
C	220	200	240	276	260	276	225	282	300	306	310	330	350
n-d	8-M10	8-M10	8-M10	8-M10	8-M10	8-M10	8-M10	8-M12	8-M12	8-M12	8-M12	8-M12	8-M12

注: 本表中尺寸仅供参考, 本产品可根据用户给定尺寸设计制造。

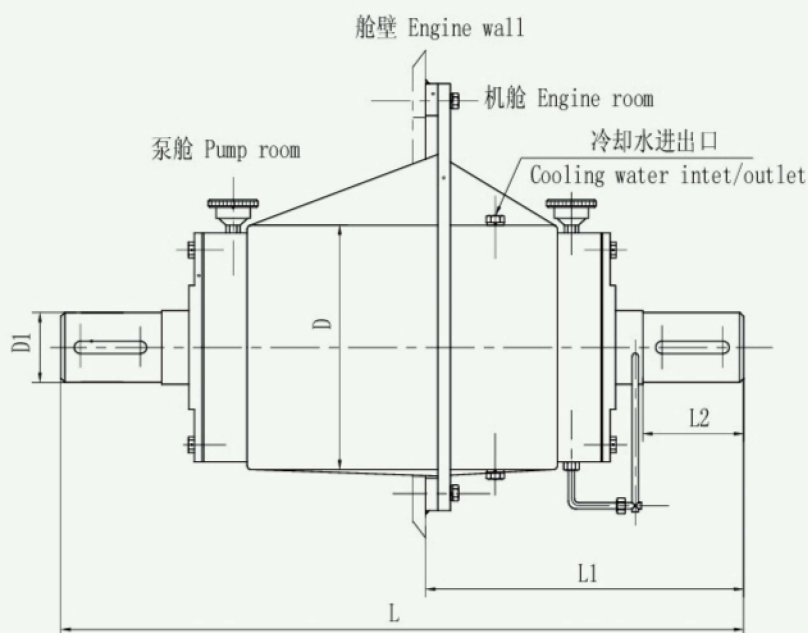
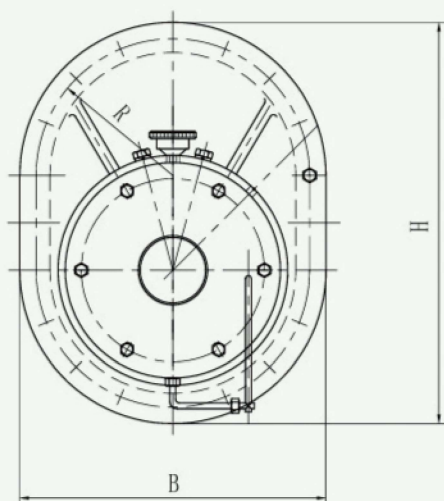
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
适用于船舶密封舱之间的动力传递。

Remarks:
It is suitable for transmission of power between airtight cabins of small and medium vessels.

GCD型隔舱传动装置 GB/T25014-2010 GCD type isolating device



GCD型隔舱传动装置
GCD bulkhead sealing apparatus

技术参数

Technical parameters

规格 型号 Model	参数 Parameter	冷却水量 Cooling water capacity(m ³ /h)	L	H	B	L1	L2	D	R	D1	冷却水进出口 Cooling water inter/outer	重量 Weight (kg)
GCD-30		1	580	550	420	280	58	235	187.5	φ 30	M14 x 1.5	100
GCD-40		1	640	550	420	310	82	235	187.5	φ 40	M14 x 1.5	109
GCD-50		1	680	550	420	330	82	235	187.5	φ 50	M14 x 1.5	126
GCD-60		1	720	550	420	350	105	295	187.5	φ 60	M14 x 1.5	133
GCD-70		1	760	550	420	380	105	295	187.5	φ 70	M14 x 1.5	150
GCD-80		1	800	550	420	390	130	295	187.5	φ 80	M14 x 1.5	180
GCD-90		1.5	880	550	420	410	130	295	187.5	φ 90	M14 x 1.5	230
GCD-100		1.5	930	670	540	480	165	351	245	φ 100	M14 x 1.5	260

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
适用于舵杆直径在 $\phi 200\text{mm}$ 以上的大中型船舶。

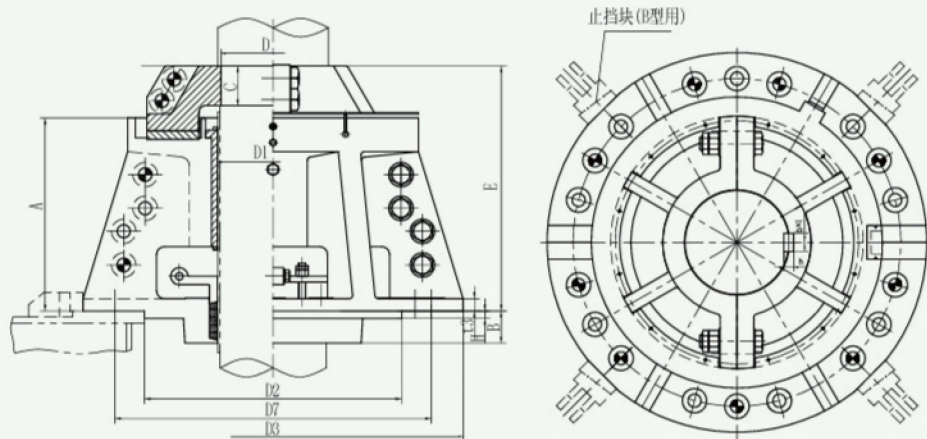
Remarks：
It is suitable for large and medium vessels with a rudder pintle diameter above 200mm.

CB/T3282-2001平面摩擦上舵承 CB/T3282-2001 plane friction rudder bearing



A型无止挡块；B型有止挡块，但只有两只舵承连接螺栓为铰制螺栓。

标记示例：
舵杆直径 $\phi 380\text{mm}$
平面摩擦上舵承A380
CB/T3282-2001



CB/T3282-2001平面摩擦上舵承 CB/T3282-2001 surface friction upper rudder carrier

技术参数

Technical parameters

CB/T3282-2001平面摩擦上舵承 CB/T3282-2001 surface friction upper rudder carrier

公称直径 Nominal diameter D	D1	D2	D3	D7	连接螺栓 Connecting bolt	A	B	C	E	H	t3	键尺寸Bond size	
												b x h x l	B型止挡块
200	244	466	670	590	M30 x 12个	330	80	90	450	20	30	45x25x80	60x30x20
220	264	550	790	700	M36 x 12个	375	85	100	505	20	30	45x25x90	60x30x20
240	286	620	860	770	M36 x 12个	430	90	100	560	20	30	45x25x90	75x30x24
260	306	680	920	830	M36 x 12个	460	95	110	600	20	30	50x28x100	85x30x24
280	328	720	960	870	M36 x 12个	515	90	110	665	20	40	60x32x100	85x40x26
300	348	750	1110	940	M42 x 12个	545	95	120	705	20	40	60x32x110	90x40x26
320	378	780	1180	1010	M42 x 18个	570	100	120	730	25	40	60x32x110	90x50x30
340	398	840	1240	1070	M42 x 18个	630	105	130	800	25	40	60x32x120	95x50x30
360	420	900	1300	1130	M48 x 18个	690	90	130	880	25	60	60x32x120	100x60x32
380	440	960	1360	1190	M48 x 18个	755	95	140	955	25	60	60x32x130	
400	462	960	1360	1190	M42 x 12个	600	110	140	800	25	60	70x36x130	100x60x40
420	490	1020	1420	1250	M42 x 18个	635	110	150	845	30	60	70x36x140	
440	512	1080	1480	1310	M42 x 18个	665	105	150	885	30	70	70x36x140	100x70x42
460	532	1140	1540	1370	M42 x 18个	770	110	160	930	30	70	70x36x150	
480	554	1210	1610	1440	M42 x 18个	730	115	160	960	30	70	80x40x150	110x70x42
500	574	1270	1670	1500	M42 x 18个	760	120	170	1000	30	70	80x40x160	

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



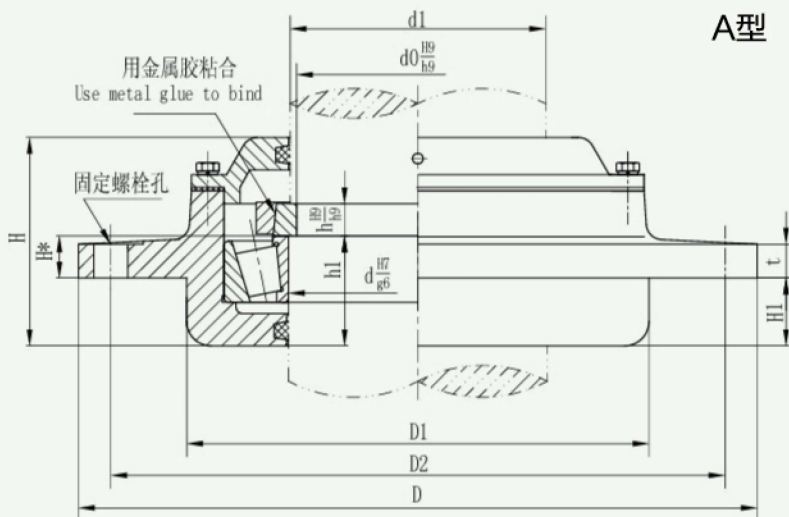
说明：
适用于使用上下舵承结构的中小型船舶。

Remarks:
It is suitable for small and medium vessels with upper and lower rudder constructions.

滚子上舵承 CB*789-87 Roller upper rudder bearing CB*789-87



标记示例：
舵杆直径 $\phi 100\text{mm}$
滚子上舵承A100 CB*789-87



技术参数 Technical parameters

滚子上舵承 Roller upper rudder carrier CB*789-87

舵杆直径 d Diameter of rudder pintle	d ₁	d ₂	D	D ₁	D ₂	H	H*	H ₁	t	h	h ₁	固定螺栓 Fixed bolt	
												数量 Quantity	直径 Diameter
40	39	34	200	108	170	60	14	22	14	10	36	6	M12
50	49	44	210	120	180	66	18	22	14	10	40	6	M12
60	59	54	230	140	200	70	20	25	15	10	44	6	M12
70	69	60	260	155	220	72	21	25	15	10	46	6	M16
80	79	70	290	180	250	79	24	25	18	12	49	6	M16
90	89	80	320	200	280	91	29	30	20	12	58	6	M16
100	98	90	340	220	300	94	30	34	20	12	65	6	M16
110	108	100	360	240	320	98	34	34	20	12	69	6	M16
120	118	104	380	260	340	102	37	34	20	14	72	6	M18
130	128	114	410	290	370	112	38	36	22	14	74	6	M18
140	138	124	440	310	395	113	39	36	25	14	77	6	M20
150	148	134	460	330	415	117	42	36	25	14	79	6	M20

滚子上舵承 Roller upper rudder carrier

类型 Type	名称 Name	适用舵杆直径 mm Apply rudder diameter	适用范围 Application
A	轻型滚子上舵承 Light roller upper rudder carrier	$\phi 40 \sim \phi 150$	适用于负荷较小、舵杆挠度不大的舵系用。 Applicable to the load is small, the rudder deflection small rudder system.
B	重型滚子上舵承 Heavy roller upper rudder carrier	$\phi 120 \sim \phi 340$	具有自动调心能力。特别适用于负荷较大，工况较恶劣的悬式舵。 With automatic self-aligning ability. Especially suitable for large load, suspension type rudder working condition is bad.
C	水密滚子上舵承 Water tight roller upper rudder carrier	$\phi 120 \sim \phi 400$	具有B型的优点，并有密封作用。 Has the advantages of B, and has a sealing effect.

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



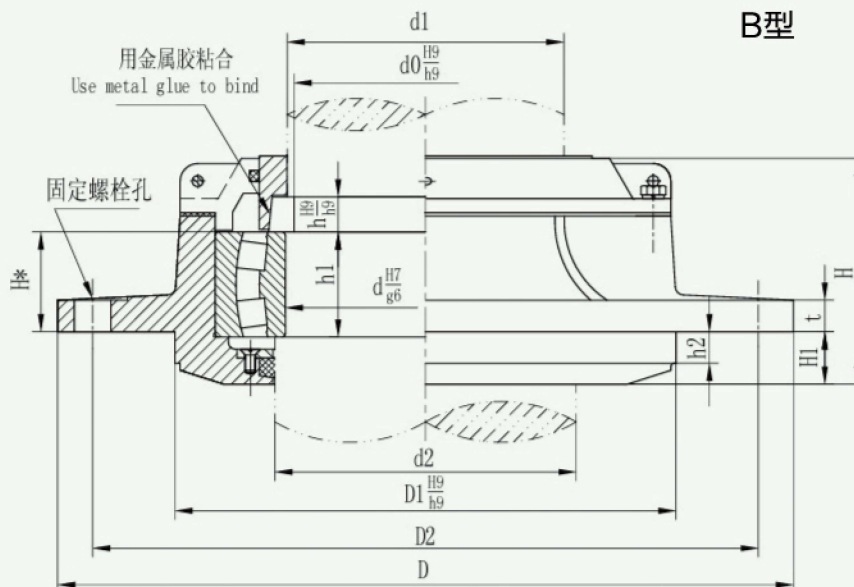
说明：
适用于中小型船舶使用。

Remarks：
It is suitable for small and medium vessels.

滚子上舵承 CB*789-87 Roller upper rudder bearing CB*789-87



标记示例：
舵杆直径 $\phi 180\text{mm}$
滚子上舵承 B180 CB*789-87



技术参数

Technical parameters

滚子上舵承 CB*789-87 Roller upper rudder carrier CB*789-87

舵杆直径 d Diameter of rudder pintle	d ₀	d ₁	D	D ₁	D ₂	H	H*	H ₁	t	h	h ₁	固定螺栓 Fixed bolt	
												数量 Quantity	直径 Diameter
120	110	119	350	220	310	106	40	30	16	20	46	6	M18
130	120	128	370	240	330	114	46	30	16	20	52	6	M18
140	130	138	300	250	350	120	48	30	16	20	53	6	M20
150	140	148	400	265	360	125	51	30	16	20	56	6	M20
160	150	158	420	286	380	127	57	30	18	20	60	6	M20
170	160	168	435	300	395	132	57	35	18	20	67	6	M20
180	168	178	460	315	420	142	61	38	18	22	74	6	M20
190	178	188	490	330	440	157	67	38	18	24	75	6	M22
200	188	198	520	362	470	162	72	40	20	25	82	6	M22
220	208	218	550	392	500	170	80	40	20	25	90	6	M24
240	228	238	570	410	520	172	82	40	20	25	92	6	M24
260	245	258	650	460	585	191	92	42	25	28	104	6	M27
280	265	278	670	480	605	200	98	42	25	28	106	6	M27
300	285	298	720	520	650	208	103	50	30	30	118	6	M30
320	305	318	750	550	680	214	96	60	30	30	121	6	M30
340	325	338	780	580	710	229	108	60	30	32	133	6	M30

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

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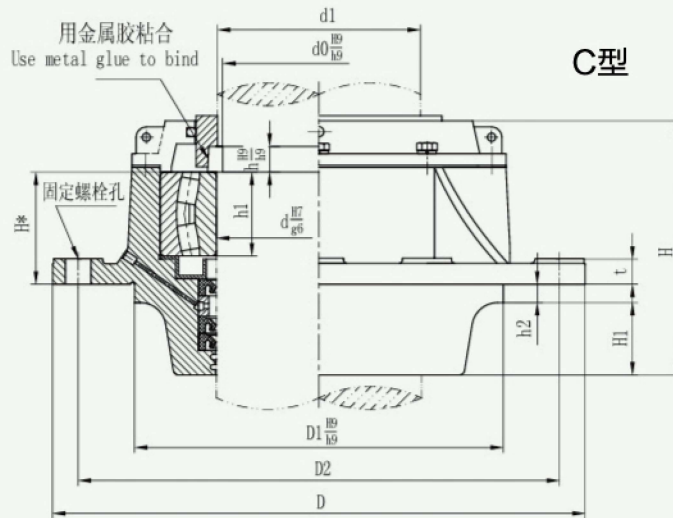
说明：
适用于舵杆直径较大的中小型船舶。

Remarks:
It is suitable for small and medium vessels with large rudder pintle diameters.

滚子上舵承 CB*789-87 Roller upper rudder bearing CB*789-87



标记示例：
舵杆直径 $\phi 260\text{mm}$
滚子上舵承 C260 CB*789-87



技术参数 Technical parameters

滚子上舵承 CB*789-87 Roller upper rudder carrier CB*789-87

舵杆直径 d Diameter of rudder pintle	d ₀	d ₁	D	D ₁	D ₂	H	H*	H ₁	t	h	h ₁	固定螺栓 Fixed bolt	
												数量 Quantity	直径 Diameter
120	110	119	370	220	320	179	81	50	22	20	46	12	M20
130	120	128	390	240	340	188	89	50	22	20	52	12	M20
140	130	138	390	240	340	190	90	50	22	20	53	12	M20
150	140	148	410	260	350	192	93	50	22	20	56	12	M20
160	150	158	435	280	385	198	86	60	24	20	60	12	M22
170	160	168	455	300	405	211	93	60	24	20	67	12	M22
180	168	178	470	315	420	229	104	65	24	22	74	12	M22
190	178	188	490	330	440	245	105	65	25	24	75	12	M24
200	188	198	520	360	470	248	110	70	25	25	82	12	M24
220	208	218	540	370	485	256	117	70	25	25	90	12	M24
240	228	238	550	380	495	258	118	70	25	25	92	12	M24
260	245	258	600	420	540	280	138	70	28	28	104	12	M24
280	265	278	640	440	575	287	133	80	28	28	106	12	M27
300	285	298	700	510	630	308	146	80	28	30	118	12	M27
320	305	318	720	520	650	313	150	80	32	30	121	12	M30
340	325	338	760	560	690	323	158	80	32	32	133	12	M30
360	345	358	790	580	720	324	165	80	32	32	134	12	M30
380	365	378	810	590	735	324	168	80	35	32	135	12	M30
400	385	398	860	650	790	336	181	85	35	32	148	12	M30

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明:

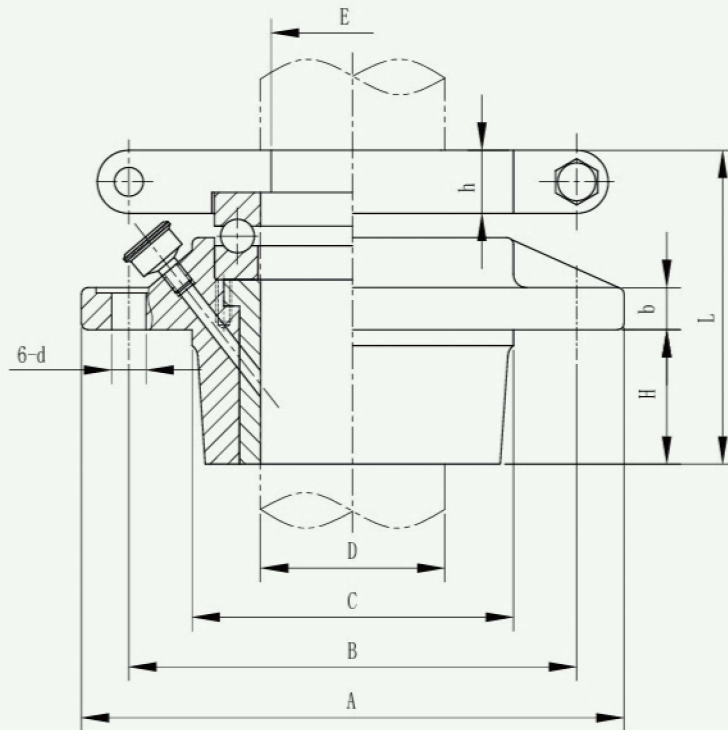
主要适用于长江、内河各类船舶。

Remarks:

It is mainly suitable for various inland water vessels.

上舵承 CB*3145

Upper rudder bearing CB*3145



技术参数

Technical parameters

CB*3145上舵承 CB*3145 upper rudder carrier

型号Model	A	B	C	D	E	L	H	b	h	d	重量 kg Weight
40 CB*3145	146	120	80	40	34	80	34	12	14	M10	2.6
50 CB*3145	160	134	92	50	44	92	43	14	14	M10	4.8
60 CB*3145	188	158	110	60	52	106	45	14	16	M12	6.1
70 CB*3145	206	170	122	70	62	114	51	16	16	M12	9.1
80 CB*3145	235	199	135	80	70	124	65	16	18	M12	13.2
90 CB*3145	260	220	154	90	80	145	68	18	20	M16	21
100 CB*3145	298	250	174	100	88	158	70	20	20	M16	26.4
110 CB*3145	320	272	188	110	98	168	80	20	20	M16	32.3
120 CB*3145	342	294	202	120	106	183	90	22	24	M16	40.4
140 CB*3145	382	322	230	140	126	210	110	24	24	M20	55.8
160 CB*3145	424	354	258	160	144	239	120	26	28	M20	66.2
180 CB*3145	456	386	286	180	164	264	130	28	28	M20	89.0
200 CB*3145	490	422	318	200	180	294	140	30	32	M24	125.4
220 CB*3145	516	446	338	220	200	315	155	30	32	M24	154.0

注: 本表中尺寸仅供参考, 本产品可根据用户给定尺寸设计制造。

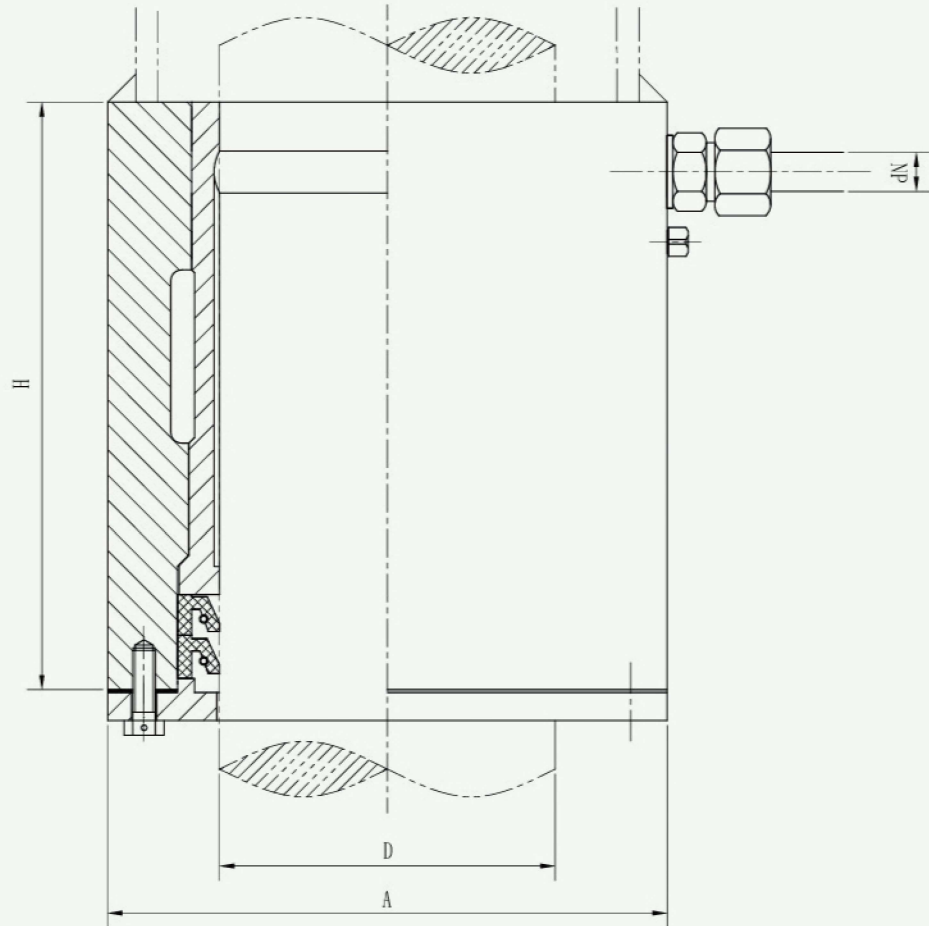
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



说明：
该型号下舵承与CB*3145型号的上舵承配套使用。

Remarks:
This type of lower rudder bearer is used together with CB*3145 upper rudder bearer.

下舵承 CB*3146
Lower rudder bearing CB*3146



技术参数

Technical parameters

CB*3146 B型下舵承 CB*3146 B lower rudder bearer

	JQ/CS 47																		
型号 Model	60	70	80	90	100	110	120	130	140	150	160	180	200	220	240	260	280	300	320
D	60	70	80	90	100	110	120	130	140	150	160	180	200	220	240	260	280	300	320
A	122	132	142	160	180	190	200	224	234	244	254	274	308	328	348	368	402	422	442
H	120	135	150	165	180	195	210	225	240	255	270	300	330	360	390	420	450	480	510
dN	10	10	10	10	10	15	15	15	15	15	15	15	15	25	20	20	20	20	20
重量 kg Weight	8.8	10.5	14.8	19.5	24.9	28.9	35.4	42.0	49.4	57.3	65.8	87.2	112.6	137.2	165.5	187.7	233.7	264.0	300.5

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



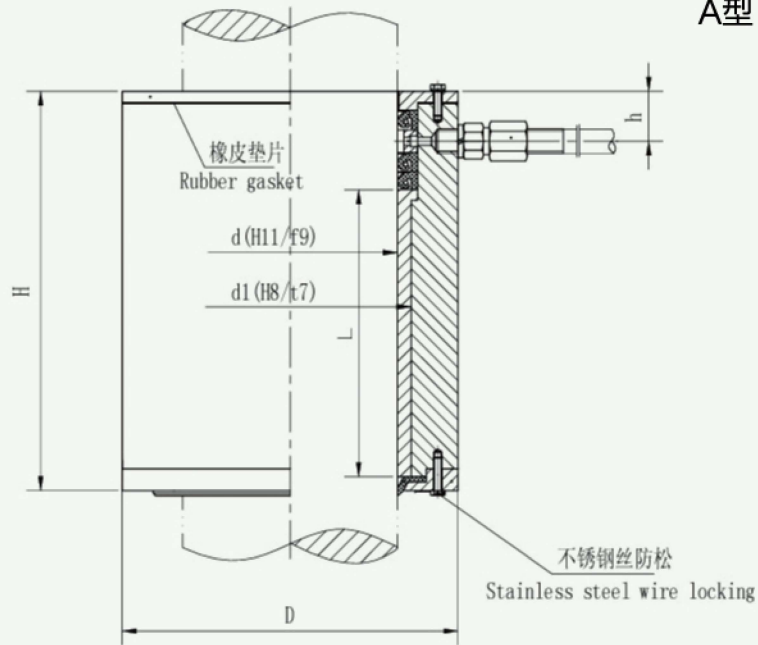
说明：
该下舵承与CB*789上舵承配套使用，该型式防砂效果较好。

Remarks:
This lower rudder bearer is used together with CB*789 upper rudder bearer and has a good sand prevention effect.

滑动水密下舵承 CB*790-87 Sliding watertight lower rudder bearing CB*790-87



A型



标记示例：
舵杆直径 $\phi 260\text{mm}$
滑动水密下舵承A260 CB*790-87

技术参数 Technical parameters

滑动水密下舵承 CB*790-87 Gliding watertight lower rudder bearer CB*790-87

舵杆直径 d Rudder pintle diameter	D	H	L	h
50	100	123	60	26
60	110	136	70	28
70	125	152	85	28
80	140	162	95	28
90	155	177	110	28
100	160	216	130	37
110	170	226	140	37
120	190	236	150	37
130	205	246	160	37
140	220	255	170	37
150	240	282	195	37
160	250	297	210	37
170	260	307	220	37
180	272	330	235	40
190	292	345	250	40
200	310	359	260	44

舵杆直径 d Rudder pintle diameter	D	H	L	h
220	340	385	286	44
240	370	411	312	44
260	400	448	338	45
280	430	474	364	50
300	456	500	390	50
320	486	530	420	50
340	512	552	442	50
360	540	580	470	50
380	568	605	495	50
400	600	630	520	50
420	634	687	550	62.5
440	662	712	575	62.5
460	690	737	600	62.5
480	720	762	625	62.5
500	750	787	650	62.5

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



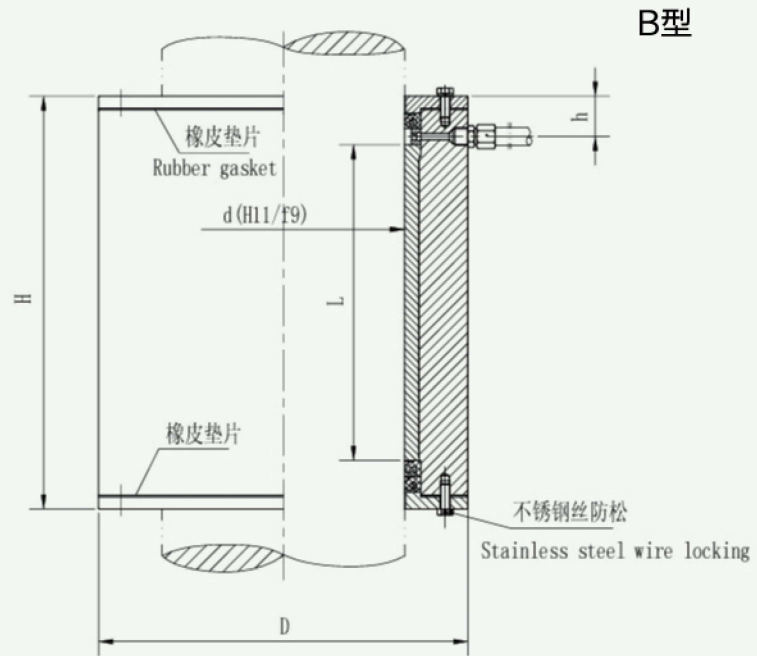
说明：
该下舵承与CB*789上舵承配套使用。

Remarks:
This lower rudder bearer is used together with CB*789 upper rudder pintle.

滑动水密下舵承 CB*790-87
Sliding watertight lower rudder bearing CB*790-87



标记示例：
舵杆直径 $\phi 260\text{mm}$
滑动水密下舵承B260 CB*790-87



技术参数
Technical parameters

滑动水密下舵承 CB*790-87 Gliding watertight lower rudder bearer CB*790-87

舵杆直径 d Rudder pintle diameter	D	H	L	h
50	100	124	60	26
60	110	138	70	28
70	125	153	85	28
80	140	163	95	28
90	155	178	110	28
100	160	220	130	37
110	170	230	140	37
120	190	240	150	37
130	205	250	160	37
140	220	260	170	37
150	240	285	195	37
160	250	300	210	37
170	260	310	220	37
180	272	330	235	40
190	292	348	250	40
200	310	366	260	44

舵杆直径 d Rudder pintle diameter	D	H	L	h
220	340	392	286	44
240	370	418	312	44
260	400	458	338	50
280	430	484	364	50
300	456	510	390	50
320	484	540	420	50
340	512	562	442	50
360	540	590	470	50
380	568	615	495	50
400	600	640	520	50
420	634	700	550	62.5
440	662	725	575	62.5
460	690	750	600	62.5
480	720	775	625	62.5
500	750	800	650	62.5

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。
Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.



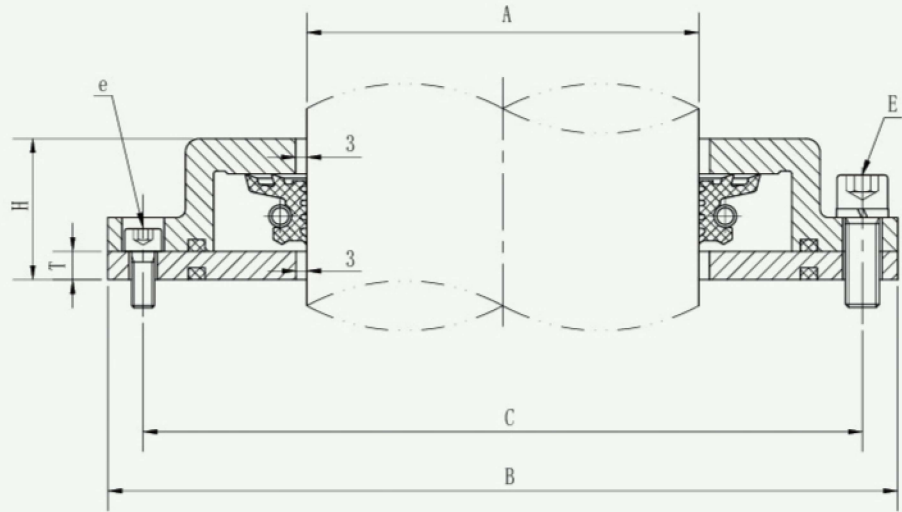
说明：
该舵杆密封具有结构紧凑、维修方便的特点。适用于轴向尺寸较小的场合使用。

Remarks:
This rudder pintle sealing apparatus is compact in structure and easy to be maintained. It is suitable when the axial size is small.

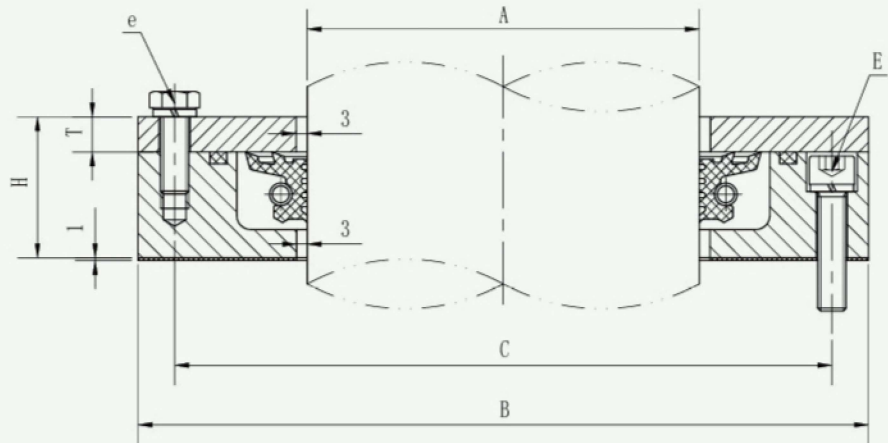
DMB型舵杆密封装置 DMB type rudder seal



轴径 $\phi 100 \sim \phi 300$
Shaft diameter $\phi 100 - \phi 300$



轴径 $\phi 65 \sim \phi 100$
Shaft diameter $\phi 65 - \phi 100$



技术参数

Technical parameters

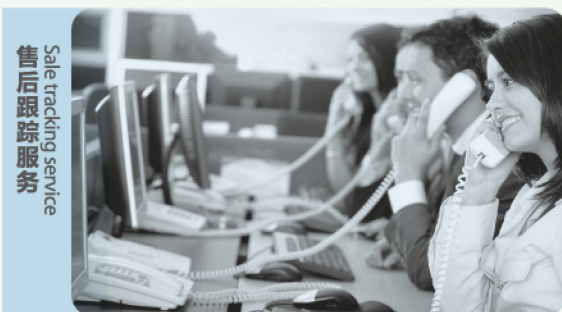
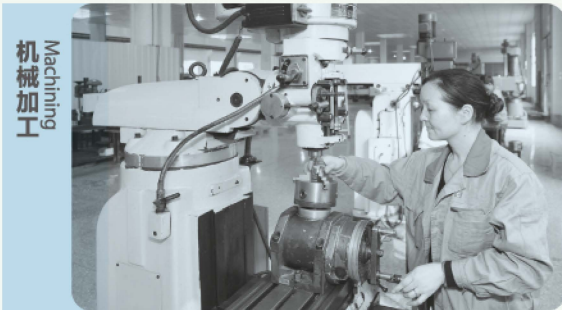
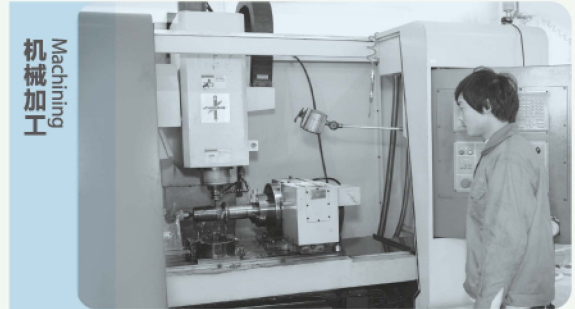
规格 Specifications	A	B	C	规格 Specifications	H	T	e	重量(kg) Weight
130	101~130	250	225	6-M12 x 35	50	10	2-M8 x 20	9
160	131~160	280	255	6-M12 x 35	50	10	2-M8 x 20	11
190	161~190	310	285	6-M12 x 40	52	10	2-M8 x 20	12
220	191~220	358	324	6-M12 x 40	52	10	2-M10 x 25	16
260	221~260	404	370	6-M12 x 40	55	10	2-M10 x 25	19
300	261~300	444	410	6-M12 x 40	55	10	2-M10 x 25	20

规格 Specifications	A	B	C	规格 Specifications	H	T	e	重量(kg) Weight
80	65/70/75/80	200	170	4-M10 x 45	56	10	4-M10 x 25	13
100	85/90/95/100	220	190	4-M10 x 45	56	10	4-M10 x 25	15

注：本表中尺寸仅供参考，本产品可根据用户给定尺寸设计制造。

Note: The sizes of this table are for reference only. The product can be manufactured according to customers' request.

品质流程 Quality Process





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