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MANUFACTURER

浮动油封专业制造商

FLOATING SEAL PROFESSIONAL MANUFACTURER




**地址:**山东省烟台栖霞市桃村镇东部工业园2号路北

**电话:**400-822-9899

**传真:**0535-3570803

**邮箱:**ytsy_seal@163.com

**Add:**North of the road, NO.2.East Industrial Park, TaocunTown, Qixia District, Yantai CityShandong Province, China

**Tel:** 400-822-9899

**Fax:**0535-3570803 **E-mail:** ytsy_seal@163.com


## 烟台双圆通用件有限公司

YANTAI SHUANGYUAN GENERAL PARTS CO.,LTD

中国·烟台

# CATALOGUE

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烟台双圆通用件有限公司
YANTAI SHUANGYUAN GENERAL PARTS CO.,LTD

# 01 企业简介
## COMPANY PROFILE

浮动油封主要应用在推土机、挖掘机、盾构机、采煤机、刮板输送机、大型矿车、清泥船、农业机械等，是工程机械四轮一带，及变速箱中的关键部件。

目前公司有两个工厂：铸造工厂位于栖霞市桃村镇东部工业园2号路北，占地30亩，员工180人；加工工厂位于莱山区院格庄街道崖前村南首，占地30亩，员工150人。

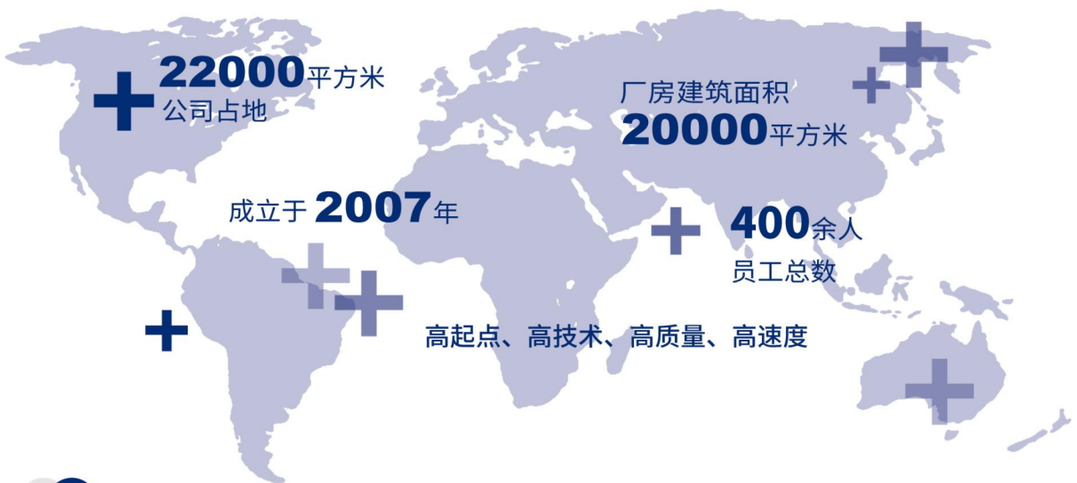
SYS作为世界浮动油封领域专业的制造商之一，自2007年起分别通过了博世、利勃海尔、纳博特斯克、三一等知名企业的密封性能测试，并稳定供货，目前我公司已有多项国内重要发明专利成果，并成为国家专精特新小巨人、省级企业技术中心、省级科技小巨人、省级专精特新企业、省级瞪羚企业、国家高新技术企业等。

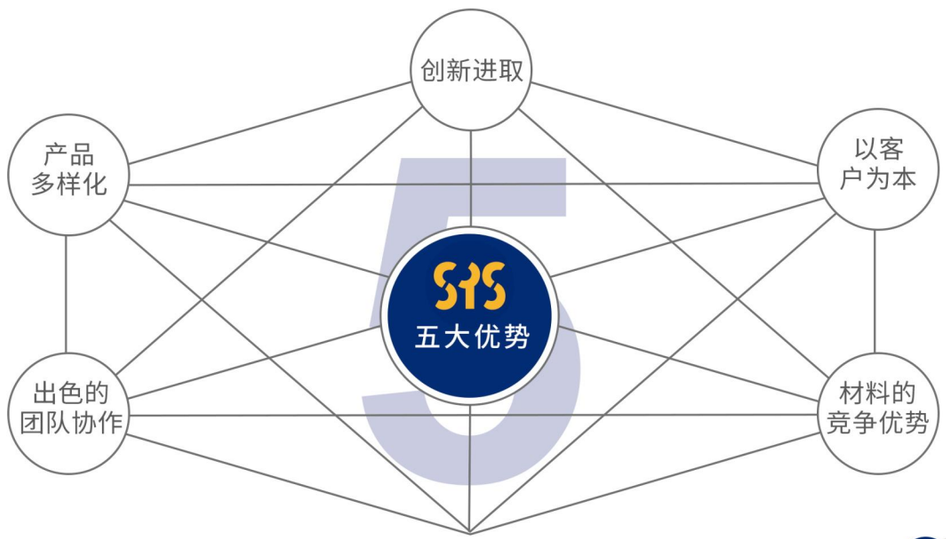
Floating seals are mainly used in bulldozers, excavators, shield tunneling machines, coal mining machines, scraper conveyors, large mining trucks, dredging ships, agricultural machinery, etc. They are key components in the four wheels and one chain of construction machinery and gearboxes.

At present, the company has two factories: the casting factory is located on the North of the road, NO.2. East Industrial Park, Taocun Town,Oixia District the eastern industrial park of Taocun Town, Qixia City, covering an area of 30 acres and employing 180 people; The processing factory is located in the south of Yaqian Village, Yuangezhuang Street, Laishan District, covering an area of 30 acres and employing 150 people.

As one of the professional manufacturers in the world of floating oil seals, SYS has passed the sealing performance tests of well-known enterprises such as Bosch, Liebherr, Nabotsk, and Sany since 2007, and supplied for them stably. Currently, our company has achieved multiple important domestic invention patents and has become a national specialized and innovative small giant, a provincial enterprise technology center, a provincial-level scientific and technological small giant, a provincial-level specialized and innovative enterprise, a provincial-level gazelle enterprise, and a national high-tech enterprise.



# 02 发展历程
## DEVELOPMENT HISTORY

### 我们的**合作伙伴**

三一集团 品质改变世界 | ITR | Rexroth Bosch Group

BERCO | JINSUNG T.E.C. | LIEBHERR

XCMG 徐工集团 | Titan ITM | Bonfiglioli Trasmital

SHANTUI | LONKING 龙工 | Nabtesco

• • • • • •

### 成就见证**我们的品牌**

**2014年**
成为 PMP、 徐工供应商
BECOMING A PMP AND XCMG SUPPLIER

**2013年**
成为博世 、艾迪供应商
BECOMING A BOSCH AND EDDIE SUPPLIER

**2012年**
成为龙工供应商
BECOMING A LONKING SUPPLIER

**2011年**
成为 邦飞利供应商
BECOMING A BONFIGLIOLI SUPPLIER

**2010年**
成立二分厂
成为 BERCO 供应商
ESTABLISH A SECOND BRANCH FACTORY
BECOMING A BERCO SUPPLIER

**2009年**
成为山推、ITM供应商
BECOMING A SHANTUI AND ITM SUPPLIER

**2008年**
通过ISO 9001体系认证
CERTIFIED BY ISO 9001 SYSTEM

**2007年**
公司成立
COMPANY ESTABLISH

**2022年**
通过ISO14001和45001体系认证
成为采埃孚供应商
CERTIFIED BY ISO14001 AND 45001 SYSTEMS
BECOMING A ZF SUPPLIER

**2021年**
成为丹佛斯、三一索特供应商
BECOMING A SUPPLIER OF DANFOSS AND SANY

**2020年**
成为三一华威、南高齿供应商
BECOMING A SUPPLIER OF SANY AND NGC

**2019年**
成为卡特彼勒(意)、小松中国供应商
BECOMING CATERPILLAR (ITALY) AND KOMATSU CHINA SUPPLIER

**2018年**
成为利勃海尔供应商
BECOMING A SUPPLIER OF LIEBHERR

**2017年**
成立三分厂
成为NABTESCO、株齿供应商
ESTABLISH A THREE BRANCH FACTORY
BECOMING A SUPPLIER OF NABTESCO AND ZHUZHON CEAR

**2016年**
成为 JIN SUNG TEC 供应商
BECOMING A JIN SUNG TEC SUPPLIER

**2015年**
成为 ITR供应商
BECOME AN ITR SUPPLIER

# 03 产品应用领域
## PRODUCT APPLICATION AREAS



工程机械领域
ENGINEERING MACHINERY FIELD



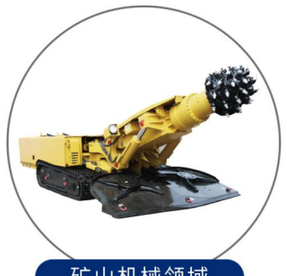
减速机领域
REDUCTION BOX FIELD



农业机械领域
AGRICULTURAL MACHINERY FIELD



盾构机械领域
SHIELD TUNNELING MACHINERY FIELD



矿山机械领域
MINING MACHINERY FIELD



混凝土设备领域
CONCRETE EQUIPMENT FIELD

# 04 企业荣誉 COMPANY HONOR

**50+**
荣誉证书
Certificate of honor

**30+**
技术专利
Technical patents

荣誉之路
THE ROAD TO HONOR
是品质不断超越的里程


































# 05 生产制造 MANUFACTURING

烟台双圆拥有集铸造、粗加工、热处理、精加工、全方位检测于一体的完善制造体系。所有原材料均经过严格检验，全部生产过程严格执行的工艺技术要求。主要生产设备包括：自动铸造线、数控车床、自动温控热处理炉、精密研磨机等。

SYS has a perfect manufacturing system integrating casting,rough- machining,heat-treating,grinding and lapping into a whole, All raw materials are subject to strict inspection,and all production processes are rigidly executed according to the technological requirements. Our major manufacturing facilities include automatic casting line,CNC lathes,automatic temperature control furnaces for heat treatment, precision lapping machines etc.





精细管理



智能制造



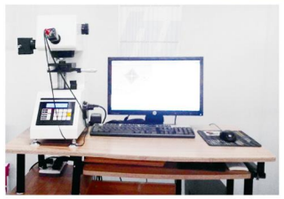


# 06 质量管理 QUALITY CONTROL

烟台双圆实行严格的ISO/9001质量管理体系，6西格玛质量管理理念与先进的检测设备铸就了国际一流的产品品质。主要检测设备包括:直读光谱仪、数码金相显微镜、数字式硬度计、粗糙度仪、影像测量仪、三坐标等。

SYS strictly executes the IOS/9001 quality management system ,six sigma quality management idea and advanced inspection equpiment, which realize the international first-rate product quality. SYS's major inspection equipment include direct reading spectrometer,digital metallurgical microscope,digital hardness tester,surface roughness measuring instruments,image measuring instruments,coordinate measurement machine,etc.




















# 07 产品介绍 PRODUCT INTRODUCTION

***400余种*** 不同尺寸的小密封环 ( Ø 38 ~ Ø 146 )

***200余种*** 不同尺寸的大密封环 ( Ø 146 ~ Ø 1450)



## RUBBER SEALING RING 橡胶密封圈

对于不同的用途，应选择适合的橡胶密封圈。最常用的橡胶密封圈材料是丁腈橡胶和硅橡胶。下表对比了几种橡胶密封圈的材料的主要性能，供参考选择。

Rubber Ring Materials: The right rubber ring should be chosen to meet the specific application requirements.The most common rubber ring materials are NBR and silicone.The table listed below gives a brief comparison between available rubber rings for your reference.

**技术参数** TECHNICAL PARAMETER

| | 丁腈橡胶 NBR | 低温丁腈橡胶 LT NBR | 氢化丁腈橡胶 HNBR | 硅橡胶 Silicone | 氟橡胶 Viton |
|---|---|---|---|---|---|
| 最低温度 Low T Limit | -35°C | -45°C | -35°C | -55°C | -10°C |
| 最高温度 High T Limit | +110°C | +115°C | +150°C | +200°C | +180°C |
| 拉伸强度 Tensile Strenghth | 12 min | 12 min | 14 min | 6 min | 10 min |
| 耐磨性 Abrasion Resistance | 优秀 Excellent | 优秀 Excellent | 优秀 Excellent | 差 Poor | 好 Good |
| 耐油性 Oil Resistance | 优秀 Excellent | 优秀 Excellent | 优秀 Excellent | 差 Poor | 优秀 Excellent |
| 成本 Cost | 低 Low | 低 Low | 中等 Medium | 中等 Medium | 高 High |

TECHNICAL STANDARD FOR
FLOATING SEAL COMPONENTS

# 浮动油封组件技术标准

为了使浮动油封在图纸规定以外的品质能够有明确的表达和判定，如果此标准于图纸有矛盾之处， 经协商后修改标准或图纸。

In order to provide a clear expression and judgment of the quality of the floating seal beyond the specifications on the drawing, if there is any contradiction between this standard and the drawing, the standard or drawing shall be modified after consultation.

适用范围
浮动油封组件

APPLICABLE SCOPE
FLOATING SEAL ASSEMBLY

## 浮动油封主要三种不同的主流材质
THERE ARE THREE MAIN MAINSTREAM MATERIALS FOR FLOATING SEALS

铬基耐磨铸铁A
Chromium based
Wear resistant cast iron A

铬基耐磨铸铁F
Chromium based
Wear resistant cast iron F

镍基耐磨铸铁
(NI-HARD)
Nickel based
Wear resistant cast iron
(Ni Hard)

## 合金耐磨铸铁的化学成分标准
ALLOY OF WEAR-RESISTANT CAST IRON CHEMICAL COMPOSITION STANDARDS

**技术参数** TECHNICAL PARAMETER

| 料号/元素 | C | Si | Mn | S | P | Cr | Mo | Ni | V | Re |
|---|---|---|---|---|---|---|---|---|---|---|
| 15Cr3Mo(A) | 3.0-4.0 | 1.1-2.0 | 0.5-1.5 | ≤0.1 | ≤0.5 | 14-18 | 1.8-4.0 | 0.8-2.0 | ≤0.3 | |
| 9CrRe(F) | 2.8-3.6 | 1.6-2.2 | 0.5-1.0 | ≤0.1 | ≤0.3 | 8-10 | ≤0.3 | ≤0.3 | ≤0.3 | ≤0.5 |
| Ni4Cr2(N) | 3.0-3.8 | 1.5-2.6 | ≤1 | ≤0.1 | ≤0.3 | 1.5-4.0 | ≤0.5 | 3.5-5.0 | ≤0.3 | |








## 不同材质的基本性能简介
AN INTRODUCTION TO THE BASIC PROPERTIES OF DIFFERENT MATERIALS

**技术参数** TECHNICAL PARAMETER

| | 高铬铸铁A | 高铬铸铁F | Ni-Hard铸铁 |
|---|---|---|---|
| 材料 | 铬镍钼合金 | 铬Re合金 | 镍合金 |
| 工艺 | 铸造 | 铸造 | 铸造 |
| 磨损寿命 | 高 | 中/高 | 中/高 |
| 硬度 | HRC 65~72 | HRC 56~64 | HRC 56~64 |
| 耐腐蚀性 | 高 | 高 | 高 |

### 01 高铬铸铁A
HIGH CHROMIUM CAST IRON A

高铬铸铁具备耐磨蚀性和耐腐蚀性。采用富含合金的铁基配方，可提供更强的耐腐蚀性。高铬铸铁密封件一般用于经常暴露在外界环境下并具有中等旋转速度的重载应用场合。典型的应用包括履带式推土机挖掘机终传动和各种底盘系统应用。

High-chromium cast iron is resistant to abrasion and corrosion. Alloy-rich, iron-based formulation provides enhanced corrosion resistance. High chromium cast iron seals are typically used in heavy-duty applications where they are frequently exposed to the external environment and have moderate rotational speeds. Typical applications include crawler bulldozers, excavators, final drives, and a variety of undercarriage applications.

### 02 铬RE合金铸铁F
CHROME RE ALLOY CAST IRON F

铬RE（稀土）合金耐磨铸铁是在高铬耐磨铸铁合金基础上开发出来的变质铸造合金，兼顾高铬铸铁的高耐磨性的同时具有高的成本经济性。在压力磨损下速度特性略强于高铬铸铁合金，磨损寿命接近于高铬铸铁合金高于镍基耐磨铸铁。做为加强款可替代高铬铸铁A并应用于中高等旋转速度的重载应用场合。典型的应用包括履带式推土机挖掘机农机终传动和各种底盘系统应用。

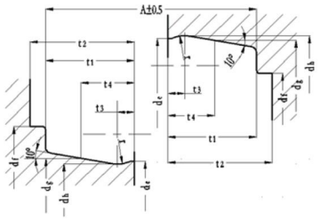
Chromium Re (rare earth) alloy wear-resistant cast iron is a modified casting alloy developed on the basis of high chromium wear-resistant cast iron alloy, which combines the high wear resistance of high chromium cast iron and enjoys high cost economy. Under pressure wear, the velocity characteristics are slightly stronger than those of high chromium cast iron alloys, and the wear life is close to that of high chromium cast iron alloys and higher than nickel based wear-resistant cast iron. As a reinforced version, it can replace high chromium cast iron A and be applied in heavy-duty applications with medium and high rotational speeds. Typical applications include crawler bulldozers, excavators, agricultural machinery final drives, and various undercarriage applications.

### 03 镍基耐磨铸铁（NI–HARD）
NICKEL-BASED WEAR-RESISTANT CAST IRON (NI-HARD)

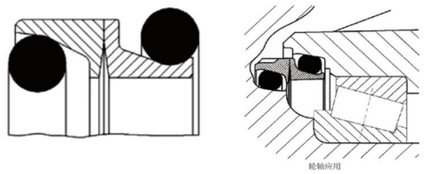
镍基耐磨铸铁是另一种铁基铸造合金，具备高耐磨性。在压力磨损下速度特性略强于高铬铸铁合金，但磨损寿命差于高铬铸铁合金。一般用于经常暴露在外界环境下并具有中高旋转速度的应用场合。典型的应用包括履带式推土机挖掘机农机终传动和各种底盘系统应用。

Nickel-based wear-resistant cast iron is another iron-based casting alloy with high wear resistance. The velocity characteristics are slightly stronger than those of high-chromium cast iron alloys under pressure wear, but the wear life is worse than that of high-chromium cast iron alloys. It is generally used in applications where there is constant exposure to the external environment and has medium to high rotational speeds. Typical applications include crawler bulldozers, excavators, agricultural machinery final drives, and a variety of undercarriage applications.

# 08 产品规格
# PRODUCT SPECIFICATIONS



沟槽部件B(mm)



沟槽部件A(mm)

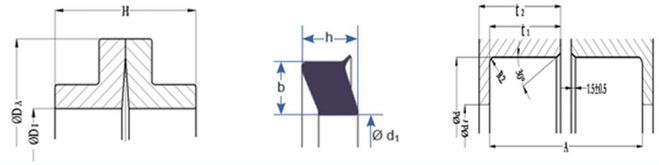
**SEAL RING SPECIFICATION (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR NI-HARD 1)**

| DRAWING NO. | A | SEAL GROUP | | | GROOVE PART A (MM) | | | | | | | | | | GROOVE PART B (MM) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ØD1 | Ødₐ | H | Ødₕ* | Ødₑ* | Ød_f | Ød_g* | t1 | t2 | t3 | t4 | r | Ødₕ* | Ødₑ* | Ød_f | Ød_g* | t1 | t2 | t3 | t4 | r |
| YS0660G | | 66 | 82.4 | 31.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YS0760G | | 76 | 92.5 | 31 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YS0820G | | 82 | 98.5 | 30.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YS1770-G | 31 | 177 | 209.3 | 30.25 | 213.5 | 212.5 | 200 | 212 | 14.5 | 17 | 2.8 | 7.5 | 5 | 172.5 | 173.5 | 186 | 173.5 | 14 | 17 | 3.1 | 7.5 | 5 |
| YS1990-G | 32 | 199.5 | 220 | 30.75 | 213.8 | 212.6 | 198 | 212.5 | 14.5 | 17 | 2.8 | 7.5 | 5 | 196.9 | 198.2 | 213 | 198.3 | 12.75 | 14 | 3.1 | 7.5 | 5 |
| YS2050-G | 31 | 205 | 237 | 30.9 | 241.7 | 241.1 | 229 | 240.2 | 14 | 17 | 2.8 | 7.5 | 5 | 200.5 | 201.5 | 213 | 202 | 14.5 | 17 | 2.8 | 7.5 | 5 |
| YS2370-G | | 237 | 265 | 39 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| YS2430-G | 39 | 243 | 263 | 38.5 | 273.5 | 272.5 | 255.5 | 271.6 | 18 | 20.5 | 3.1 | 9 | 6.5 | 228.2 | 229.2 | 248 | 229.9 | 18 | 20.5 | 3.1 | 8.5 | 6.5 |
| YS2920-G | 39 | 292 | 322.5 | 38 | 327.5 | 326.5 | 310 | 325.6 | 18 | 20.5 | 3.1 | 9 | 6.5 | 283 | 283.6 | 300 | 284.9 | 18 | 20.5 | 2.5 | 8.5 | 6.5 |
| YS2500-G | 2 | 250 | 270 | 25 | 274.7 | 273.7 | 262 | 273.2 | 14 | 15.5 | - | 7.5 | 5 | 271 | - | 268 | - | 9.5 | 11.5 | - | - | - |
| YS3260-G | 2.65 | 326 | 354 | 33.5 | 360 | 359 | 342 | 357.8 | 19.5 | 22 | - | 10 | 6.5 | 358.2 | - | 342 | - | - | 15 | - | - | - |
| YS3180-G | 16 | 318 | 346 | 33 | 351.5 | 350.5 | 334 | 349.3 | 18 | 19.5 | 3.1 | 10 | 6.5 | 314.4 | 316.5 | 346 | - | 8.5 | - | - | - | 3 |



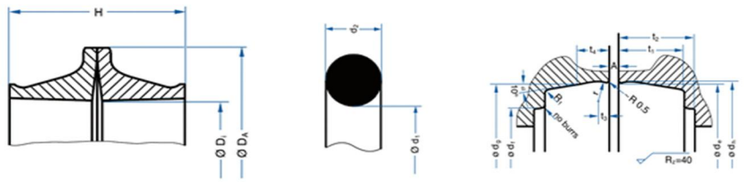






**SEAL RING SPECIFICATION (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR NI-HARD 1)**

| DRAWING NO. | A | SEAL GROUP | | | SPECIAL RUBBER RING | | | SEAL HOUSING (MM) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDi | ΦDA | H | Φd1 | b | h | Φd | Φdf | t1 | t2 |
| YS0460L | 20 | 46 | 59 | 17 | - | - | - | 66 | - | 9 | - |
| YS0470L | 23 | 47 | 62 | 19 | - | - | - | 70 | 58 | 10 | 11 |
| YS0500L | 23 | 50 | 65 | 19 | 54 | 9.8 | 6.3 | 76.2 | 63 | 10 | 11 |
| YS0505L | 22.6 | 50.5 | 65 | 20 | | | | 63 | | 9 | |
| YS0535L | | 53.5 | 67 | 17 | - | - | - | - | - | - | - |
| YS0586L | 21 | 58.6 | 80 | 19.6 | - | - | - | 84 | 71 | 9 | 9.5 |
| YS0635L | 21 | 63.5 | 81 | 19 | - | - | - | 87.8 | 71 | 9 | 9.5 |
| YS0670L | 23 | 67 | 86.2 | 20.6 | - | - | - | 95.6 | 82 | 10 | 11 |
| YS0738L | 23 | 73.8 | 93 | 20 | | | | 102.2 | 88 | 10 | |
| YS0740L | 21.9 | 74 | 93 | 20 | 80 | 10.2 | 10.8 | 102.4 | 88.4 | 10.8 | 11.2 |
| YS0770L | 28 | 77 | 97 | 25 | - | - | - | 105 | 87 | 12.5 | 13.5 |
| YS0820L | 23 | 82 | 101 | 20 | 86 | 12.4 | 7.3 | 110.2 | 96 | 10 | 10.5 |
| YS0825L | 26.5 | 82.5 | 101 | 22.2 | - | - | - | 114.3 | 98 | 10.9 | 11.4 |
| YS0860L | 23 | 86.4 | 108.9 | 19 | - | - | - | 115.8 | 102 | 10 | |
| YS0875L | 23 | 87.5 | 111.5 | 19 | - | - | - | 115.8 | 102 | 10 | 11 |
| YS0930L | 28 | 93 | 113 | 24 | 98 | 12.2 | 7.7 | 125.8 | 109 | 12.5 | 13 |
| YS0990L | 23 | 99 | 120 | 19 | - | - | - | 127.3 | 113 | 10 | 11 |
| YS1140L | 27 | 114 | 132.8 | 26.4 | - | - | - | 147.9 | 130 | 12 | 13 |
| YS1550L | | 155 | 178 | 31 | | | | | | | |
| YS1690L | | 169 | 195 | 30 | | | | | | | |
| YS1795L | | 179.5 | 207 | 29 | | | | | | | |
| YS1800L-A | | 207 | 180 | 29 | | | | | | | |
| YS1800L-B | | 207 | 180 | 31 | | | | | | | |
| YS1940L | 42.1 | 194 | 222 | 32 | 200 | 18 | 19 | 238.5 | 214.2 | 20.1 | 22.1 |
| YS2000L | | 200 | 228 | 34 | | | | | | | |
| YS2060L | 44.5 | 206 | 234 | 38 | 213 | 17.25 | 19.5 | 254 | 226 | 21 | 24.2 |
| YS2130L | 33 | 213 | 238 | 29 | 219 | 16 | 15 | 254.8 | 240 | 15.5 | 17.5 |
| YS2250L | 48.9 | 225 | 265 | 41 | 235.5 | 20.55 | 21.2 | 277.1 | 247.8 | 23.7 | 26 |
| YS2260L | | 226 | 246 | 39 | | | | | | | |
| YS2390L | 36.5 | 239 | 264 | 34 | 244.5 | 15.8 | 16 | 279.4 | 261.9 | 17.5 | 18.2 |
| YS2420L | 36.5 | 242 | 273 | 34 | 252 | 12.5 | 15.6 | 279.3 | 263 | 16.25 | 18.5 |
| YS2480L | | 248 | 270.5 | 41.8 | | | | | | | |
| YS2750L | 37 | 275 | 303 | 36 | 279 | 13.75 | 15.75 | 309.4 | 290 | 17.5 | 20 |
| YS2830L | 39.1 | 283 | 319 | 34 | 290 | 17.7 | 16.7 | 329.4 | 307.3 | 18.5 | 18.5 |
| YS3195L | 42.1 | 319.5 | 353 | 36 | 326 | 17.5 | 17.8 | 365.1 | 343.7 | 20 | 20 |
| YS3590L | | 359 | 390 | 40 | - | - | - | - | - | - | - |
| YS3780L | 47.6 | 378 | 414 | 42 | 384 | 18 | 21 | 424.1 | 402.9 | 23 | 23 |
| YS4410L | 38.9 | 441 | 478 | 38 | 447 | 17.25 | 16.7 | 488.7 | 467.4 | 18.4 | 21.9 |
| YS5000L | 41.7 | 500 | 534 | 36 | 503 | 18 | 18 | 546.1 | 532.1 | 19.9 | 22.1 |
| YS6170L | 54 | 617.25 | 670 | 52 | 620 | 26.5 | 23.5 | 682.5 | 649 | 25.9 | 26.9 |
| YS7520L | 58 | 752 | 800 | 56 | 760 | 22.5 | 25 | 812.8 | 779 | 26.1 | 27.1 |




**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS0380-A | 3 | 38 | 51 | 20 | 41 | 6 | 53.7 | 53 | 46 | 9 | 11 | 2 | 1 | 10° |
| YS0380-B | 3 | 38 | 50 | 20.6 | 39.5 | 6.3 | 54.12 | 54.12 | 43 | 11.2 | 13.2 | - | 3.5 | 10° |
| YS0380-C | 3 | 38 | 51 | 20 | 41 | 6 | 53.7 | 53 | 46 | 9 | 11 | 2 | 1 | 10° |
| YS0380-D | 3 | 38 | 51 | 21 | 41 | 6 | 53.7 | 61 | 46 | 9 | 11 | 2 | 1 | 10° |
| YS0390 | 1.5 | 39 | 50 | 14 | 42 | 4.4 | 52 | 61.6 | 46 | 6.5 | 8 | 1 | 1 | 10° |
| YS0430-A | 3 | 43 | 58 | 24 | 45.8 | 7.3 | 61.7 | 61.6 | 52 | 13 | 15 | 4.8 | 4 | 10° |
| YS0430-B | 3 | 43 | 58 | 24 | 45.8 | 7.3 | - | 60.7 | - | 10 | 12 | 2.5 | 1 | 10° |
| YS0435 | 3 | 43.5 | 58 | 24.4 | 45.8 | 7.3 | 61.7 | 61.4 | 52 | 13 | 15 | 4.8 | 4 | 10° |
| YS0440 | 0.8 | 44 | 53.4 | 13.2 | 45.5 | 4.3 | 56.6 | 61.4 | | 7.2 | | 1.5 | 3.1 | 15°30′ |
| YS0450-A | 3 | 45 | 58 | 20 | 47.8 | 6.4 | 61.6 | 61.4 | 54 | 10 | 12 | 2.5 | 1 | 10° |
| YS0450-B | 3 | 45 | 58 | 21 | 47.8 | 6.4 | 61.6 | 67.2 | 54 | 10 | 12 | 2.5 | 1 | 10° |
| YS0450-C | 3 | 45 | 58 | 21 | 47.8 | 6.25 | 61.3 | 67.2 | 53.4 | 10 | 12 | 2.5 | 0.8 | 10° |
| YS0450-D | 3 | 45 | 58 | 21 | 47.8 | 6.25 | 61.3 | 67.2 | 53.4 | 10 | 12 | 2.5 | 0.8 | 10° |
| YS0460-A | 3 | 46 | 59 | 20 | 48.5 | 6 | 61.6 | 68.2 | 53 | 9 | 10.5 | 2.5 | 1 | 12° |
| YS0460-B | 3 | 46 | 59 | 20 | 48.4 | 6 | 61.6 | 67.5 | 53 | 9 | 10.5 | 2.5 | 1 | 12° |



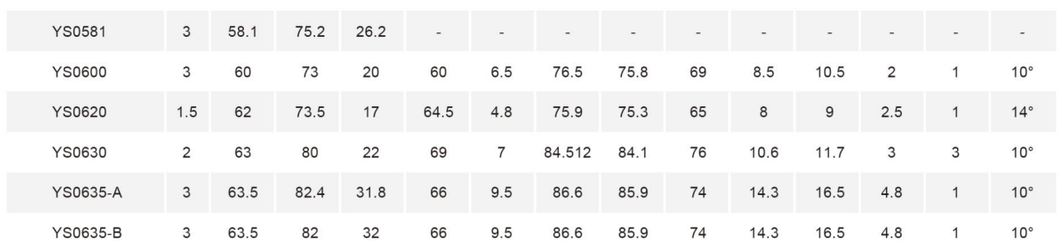


**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

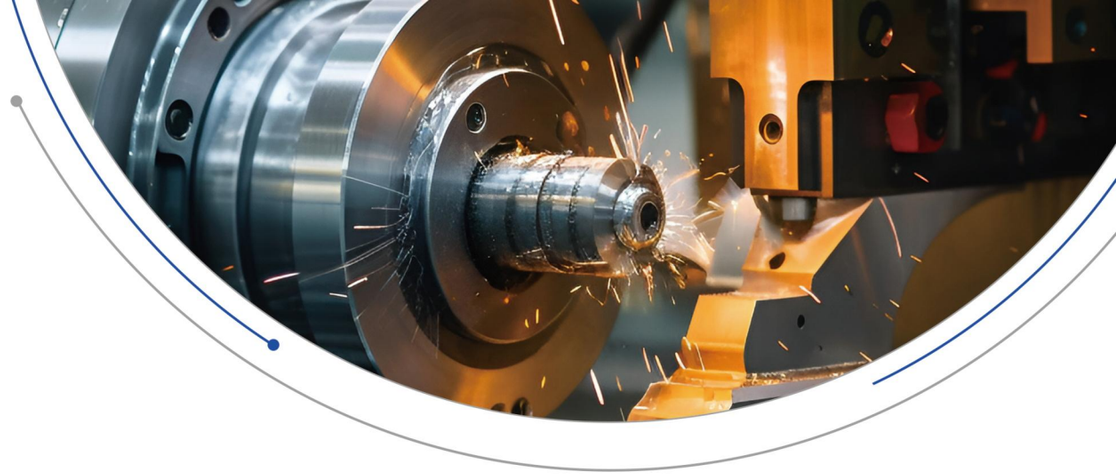
| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS0460-C | 3 | 46 | 59 | 19.4 | 49 | 6 | 61.6 | 61.4 | 53 | 9 | 10.5 | 2.5 | 1 | 12° |
| YS0460-D | 3 | 46 | 60 | 24 | 49 | 8 | 66.6 | 66 | 55 | 12 | 14.5 | 3 | 3 | 12° |
| YS0480-A | 3 | 48 | 62 | 25 | 51 | 7.9 | 67.8 | 67.2 | 56 | 12 | 14 | 3 | 1 | 10° |
| YS0480-B | 3 | 48 | 62 | 25 | 52 | 7.5 | 68 | 67.2 | 58 | 12 | 14 | 3 | 0.8 | 10° |
| YS0480-C | 3 | 48 | 62 | 25 | 51 | 7.9 | 68 | 67.2 | 58 | 12 | 14 | 3 | 1 | 10° |
| YS0480-D | 3 | 48 | 62 | 26 | 52.2 | 7.5 | 68 | - | 60 | 12.5 | 15 | 0.8 | 0.8 | 10° |
| YS0490 | 3 | 49 | 62 | 25 | 51 | 7.9 | 67.8 | 67.2 | 56 | 12 | 14 | 3 | 1 | 10° |
| YS0510-A | 3 | 51 | 65 | 23 | 54.5 | 6.4 | 68.2 | 68.2 | 60 | 10 | 12 | 2.5 | 1 | 10° |
| YS0510-B | 3 | 51 | 64 | 19.4 | 54.5 | 6.15 | 68 | 67.5 | 59 | 8.8 | 10.5 | 2 | 1 | 10° |
| YS0510-C | 3 | 51 | 65 | 23 | 55.5 | 6.22 | 68.2 | 67.4 | 60 | 10 | 12 | 2.5 | 0.8 | 10° |
| YS0510-D | 3 | 51 | 65 | 23 | 55.5 | 7 | 69.35 | 68.55 | 60 | 10 | 11 | 2.5 | 1 | 12° |
| YS0540-A | 3 | 54 | 68 | 24 | 58 | 7 | 72.76 | 71.8 | 65 | 11 | 13 | 3 | 1 | 10° |
| YS0540-B | 3 | 54 | 68 | 24.4 | 58 | 7 | 72.76 | 71.8 | 65 | 11 | 13 | 3 | 1 | 10° |
| YS0555 | 3 | 55.5 | 70 | 22 | 58 | 7.5 | 73.8 | 73.1 | 65.5 | 10 | 11.5 | 3 | 1 | 10° |
| YS0560-A | 3 | 56 | 70 | 25 | 59.5 | 7.5 | 75.72 | 74.6 | 67 | 12.5 | 14.3 | 3 | 1 | 10° |
| YS0560-B | 3 | 56 | 70 | 26.3 | 59.5 | 7.6 | - | 75.2 | 67 | 11 | 19 | 3 | 0.8 | 14° |
| YS0560-C | | 56 | 7 | 25 | 59.5 | 7.5 | 76 | 75.2 | 66 | 12 | 14 | 3 | 0.8 | 10° |
| YS0575 | 3 | 57.5 | 74 | 25 | 61 | 8.7 | - | 79.2 | 66 | 13 | 14 | 3 | 2 | 13° |
| YS0578 | 3 | 57.8 | 75.5 | 26.4 | 61.3 | 8.5 | 79.1 | 78.7 | 68 | 13 | 14.5 | 4.8 | 1 | 10° |
| YS0580-A | 3 | 58 | 74 | 24.8 | 61 | 8.9 | - | 78.2 | 68 | 11.3 | 14.3 | 3 | 3 | 9.5° |
| YS0580-B | 3 | 58 | 74 | 24.8 | 61 | 8.6 | - | 78.2 | 68 | 13 | 16 | 3 | 3 | 9.5° |
| YS0580-C | 3 | 58 | 74 | 24 | 61 | 8.6 | - | 78.2 | 68 | 13 | 16 | 3 | 3 | 9.5° |
| YS0580-D | 3 | 58 | 74 | 27 | 61.6 | 8.4 | 79.4 | 78.6 | 67 | 13.5 | 15.5 | 3 | 0.8 | 10° |

**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS0580-E | 2.5 | 58 | 74 | 24.8 | - | - | - | 82.1 | 68 | 13.25 | 16.25 | - | 3 | 17° |
| YS0580-F | 3 | 58 | 75 | 22 | 64 | 7 | 79.67 | 79.15 | | 10.6 | | 3 | 3 | 9.5° |
| YS0581 | 3 | 58.1 | 75.2 | 26.2 | - | - | - | - | - | - | - | - | - | - |
| YS0600 | 3 | 60 | 73 | 20 | 60 | 6.5 | 76.5 | 75.8 | 69 | 8.5 | 10.5 | 2 | 1 | 10° |
| YS0620 | 1.5 | 62 | 73.5 | 17 | 64.5 | 4.8 | 75.9 | 75.3 | 65 | 8 | 9 | 2.5 | 1 | 14° |
| YS0630 | 2 | 63 | 80 | 22 | 69 | 7 | 84.512 | 84.1 | 76 | 10.6 | 11.7 | 3 | 3 | 10° |
| YS0635-A | 3 | 63.5 | 82.4 | 31.8 | 66 | 9.5 | 86.6 | 85.9 | 74 | 14.3 | 16.5 | 4.8 | 1 | 10° |
| YS0635-B | 3 | 63.5 | 82 | 32 | 66 | 9.5 | 86.6 | 85.9 | 74 | 14.3 | 16.5 | 4.8 | 1 | 10° |
| YS0635-C | 2.5 | 63.5 | 82 | 31.5 | - | - | 86.65 | 85.9 | 73 | 15.5 | 17.5 | - | 1 | 10° |
| YS0635-D | 3 | 63.5 | 82.5 | 31.8 | 66.6 | 9.5 | 86.8 | 86 | 74 | 15 | 17 | 4 | 0.8 | 10° |
| YS064A | 3 | 64 | 78 | 25 | 67.5 | 8 | 84.6 | 83.9 | 74 | 12.5 | 14.5 | 2 | 0.8 | 12° |
| YS0640-B | 3 | 64 | 78 | 25 | 68 | 8.1 | 84.6 | 84.1 | 74 | 12.5 | 14.5 | 3 | 0.8 | 12° |
| YS0640-C | 3 | 64 | 79 | 25 | 67.5 | 8 | 84.6 | 83.9 | 74 | 12.5 | 14.5 | 2 | 0.8 | 12° |
| YS0640-D | 3 | 64 | 78 | 25 | 68 | 8 | 84.6 | 83.9 | 74 | 12.5 | 14.5 | 2 | 0.8 | 12° |
| YS0640-E | 3 | 64 | 78 | 25 | 67.5 | 8.1 | 84.6 | 84.2 | 74 | 12.5 | 14.5 | 3 | 1 | 12° |
| YS0660-A | 3 | 66 | 85 | 28 | 71.3 | 9 | 90.5 | 90 | 78 | 14 | 16 | 3 | 2 | 10° |
| YS0660-B | 3 | 66 | 85 | 28 | 71.3 | 9 | 90.5 | 90 | 78 | 14 | 16 | 3 | 2 | 10° |
| YS0660-C | 3 | 66 | 85 | 28 | 71.3 | 9 | 90 | 89.2 | 78 | 14 | 16 | 3 | 1 | 10° |
| YS0670 | 3 | 67 | 82 | 20 | 68.5 | 6.5 | 83.4 | 82.7 | 76.8 | 8.5 | 10.5 | 2 | 1 | 10° |
| YS0690-A | 3 | 69 | 87.6 | 29 | 76 | 9 | 94.67 | 93.9 | 83 | 13.6 | 16.1 | 4 | 3 | 9.5° |
| YS0690-B | 3 | 69 | 70 | 29 | 76 | 9 | 95.8 | 95 | 83 | 14.5 | 16.5 | 4.2 | 3 | 17° |
| YS0700-A | 3 | 70 | 90 | 28 | 76.2 | 9 | 95.8 | 95 | 83 | 14.5 | 16.5 | 4.2 | 3 | 17° |
| YS0700-B | 3 | 70 | 87 | 20.6 | 76 | 7 | 91.66 | 91.1 | 83 | 10.1 | 12.1 | 3 | 3 | 9.5° |





**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS0700-C | 3 | 70 | 90 | 28 | 76 | 9 | 95.8 | 95 | - | 14.5 | 16.5 | 4.2 | 3 | 17° |
| YS0700-D | 3 | 71 | 90 | 29 | 76 | 9.2 | 95.5 | 94.7 | 84 | 13.5 | 15.5 | 3 | 0.8 | 12° |
| YS0700-E | 3 | 70 | 90 | 28 | 76 | 9 | 95.7 | 94.6 | 81 | 13 | 15 | 3 | 3 | 17° |
| YS0700-F | 3 | 70 | 90 | 28 | 76 | 9 | 94 | - | 84 | 13.5 | 16 | 4 | 2 | 10° |
| YS0700-G | 3 | 70 | 90 | 29 | 76 | 9.2 | 95.29 | 94.3 | 84 | 13.5 | 15.5 | 3 | 1 | 12° |
| YS0710 | 3 | 71 | 84 | 20 | 72.5 | 6.5 | 87.4 | 86.7 | 80.8 | 8.5 | 10.5 | 2 | 1 | 10° |
| YS0720-A | 3 | 72 | 89 | 23.8 | 75.5 | 8 | 92.5 | 91.5 | 83 | 11 | 13.5 | 4.8 | 1 | 10° |
| YS0720-B | 3 | 72 | 90 | 28 | 76.2 | 9 | 95.8 | 95 | 83 | 14.5 | 16.5 | 4.2 | 3 | 17° |
| YS0720-C | 3 | 72 | 91.4 | 36.4 | - | - | - | - | - | - | - | - | - | - |
| YS0720-D | 3 | 72 | 89 | 24 | 75 | 8 | 92.5 | 91.8 | - | 11 | 13.5 | 5 | 0.8 | 10° |
| YS0725 | 3 | 72.5 | 92 | 35.6 | 76.34 | 9.5 | 96.5 | 95.5 | 85 | 18 | 20.5 | 6 | 1 | 10° |
| YS0726-A | 3 | 72.6 | 92 | 34.4 | 76.34 | 9.47 | 96.19 | 95.43 | 84 | 14.65 | 16.9 | 4.8 | 0.8 | 10° |
| YS0726-B | 3 | 72.6 | 92.08 | 32 | 78.34 | 9.47 | 96.01 | 95.25 | 82.5 | 15.2 | 17 | 4.8 | 2 | 10° |
| YS0730-A | 3 | 73 | 92 | 31.8 | 75.7 | 9.5 | 96.1 | 95.4 | 84 | 14.3 | 16.5 | 4.8 | 1 | 10° |
| YS0730-B | 3 | 73 | 92 | 31.8 | 76 | 9.5 | 96.2 | 95.4 | 84 | 15 | 17 | 2.5 | 0.8 | 10° |
| YS0730-C | 3 | 73 | 92 | 31.8 | 75.7 | 9.5 | 96.2 | 95.4 | 84 | 15 | 17 | 4 | 1 | 10° |
| YS0730-D | 3 | 73 | 92 | 31.8 | 76 | 9.2 | 96 | 95.2 | 82.4 | 13.5 | 16.5 | 3 | 4 | 12° |
| YS0730-E | 3 | 73 | 92 | 32 | 77 | 9.3 | 96 | - | - | 14.5 | 16.5 | 0.8 | 0.8 | 12° |
| YS0731 | 3 | 73.1 | 91.5 | 31.5 | 75.75 | 9.45 | 96.4 | 95.9 | 84 | 14.5 | 17.1 | 4 | 1 | 10° |
| YS0735-A | 3 | 73.5 | 92.5 | 16 | - | - | - | - | - | - | - | - | - | - |
| YS0735-B | 3 | 73.5 | 88.3 | 20 | 76.5 | 6 | 89.8 | 89.6 | 82 | 10 | 11.5 | 2.5 | 1 | 10° |
| YS0740-A | 3 | 74 | 86.6 | 22 | 77 | 6.8 | 91 | 90.3 | 80 | 9.5 | 11.5 | 3 | 0.8 | 10° |
| YS0740-B | 2 | 74 | 87 | 21 | 76.2 | 7.1 | 91.36 | 91.1 | 83 | 10.1 | 13.1 | 3 | 3 | 9°30′ |





**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

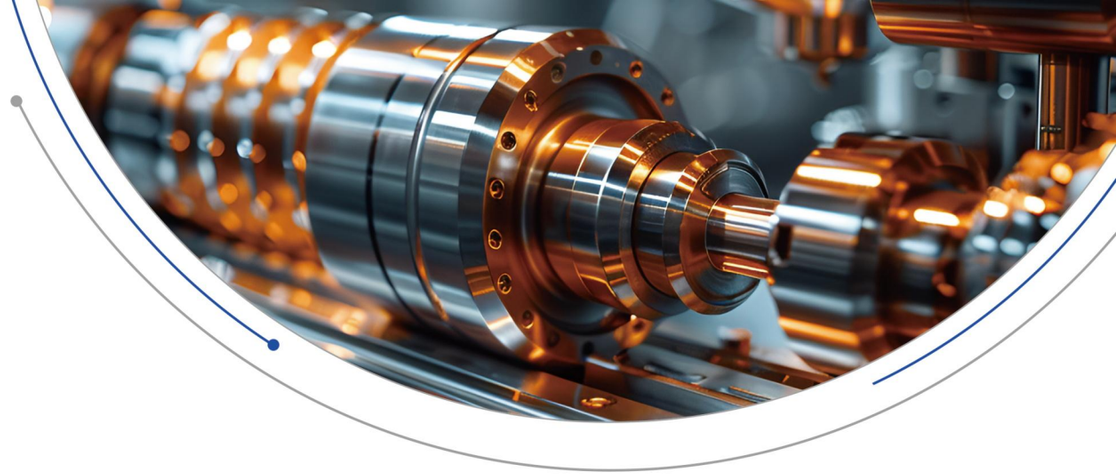
| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS0746-A | 3 | 74.6 | 93.3 | 29 | 80 | 9.3 | 100.4 | 99.6 | 88 | 13.6 | - | 2 | 3 | 9° |
| YS0746-B | 3 | 74.6 | 93.3 | 29 | 80 | 9.3 | 100.4 | 99.6 | 88 | 13.6 | - | 2 | 3 | 9° |
| YS0746-C | 3 | 74.6 | 93.3 | 29 | 80 | 9.3 | 100.4 | 99.6 | 88 | 13.6 | - | 2 | 3 | 9° |
| YS0746-D | 3 | 74.6 | 93.3 | 29 | 80.5 | 9.4 | 100.4 | - | 87 | 15.1 | 17.1 | 4 | 3 | 9°30′ |
| YS0760-A | 3 | 76 | 94 | 29 | 80 | 9.3 | 101.4 | 100.6 | 88 | 13.5 | 15.5 | 3 | 1 | 10° |
| YS0760-B | 3 | 76 | 94 | 29 | 80 | 9.3 | 101.4 | 100.6 | 89 | 14.5 | 16.5 | 3 | 1 | 10° |
| YS0760-C | 3 | 76 | 94 | 29 | 80 | 9.8 | 101.4 | 100.8 | 89 | 14.5 | 16.5 | 2.5 | 0.8 | 10° |
| YS0780 | 3 | 78 | 90 | 17 | 78 | 4 | - | - | - | - | - | - | - | - |
| YS0795 | 3 | 79.5 | 92.5 | 20 | 81 | 6.5 | 96 | 95.3 | 88 | 8.5 | 10.5 | 2 | 1 | 10° |
| YS0800-A | 3 | 80 | 100 | 30 | 85 | 9 | 105.12 | 105 | 92 | 12.5 | 15 | 3 | 2 | 11° |
| YS0800-B | 2 | 80 | 100 | 29 | 85 | 9 | 105 | - | 92 | 14.5 | 16.5 | 3 | 2 | 10° |
| YS0800-C | 3 | 80 | 100 | 29 | 85 | 9.2 | 105 | 105 | 92 | 14.5 | 16.5 | 3 | 1 | 10° |
| YS0800-D | 3 | 80 | 100 | 30 | 85 | 9 | - | 105 | 92 | 12.5 | 14.5 | 3 | 2 | 11° |
| YS0800-E | 3 | 80 | 100 | 30 | 85 | 9.3 | - | 104 | 92 | 14.5 | 16.5 | 3 | 1 | 10° |
| YS0800-F | 3 | 80 | 99.5 | 29 | 85 | 9 | 105 | 104.2 | 92 | 14.5 | 16.5 | 3 | 0.8 | 10° |
| YS0800-G | 3 | 80 | 100 | 30 | - | - | 105.45 | - | 92 | 13.5 | 18.8 | 4 | 3 | 9° |
| YS0800-H | 3 | 80 | 100 | 30 | 85 | 9.2 | 105 | 104.2 | 92 | 14.5 | 16.5 | 3 | 1 | 10° |
| YS0800-R | 3 | 80 | 100 | 29 | 85 | 9 | 105.3 | 104.7 | - | 12.5 | 16 | 4 | 3 | 9°30′ |
| YS0800-K | 3 | 80 | 100 | 29 | 85 | 9.2 | 105 | 104.2 | 92 | 14.5 | 16.5 | 3 | 1 | 10° |
| YS0800-M | 3 | 80 | 100 | 29 | 85 | 9.3 | 105.24 | 104.4 | | 12.5 | | 3 | 3 | 9°30′ |
| YS0810 | 3 | 81 | 98 | 28 | 82 | 8 | 102.3 | 101.3 | 91 | 12.5 | 14.5 | 5 | 1 | 10° |
| YS0820-A | 3 | 82 | 98 | 22 | 86.5 | 7 | - | - | - | - | - | - | - | - |
| YS0820-B | 3 | 82 | 100 | 30 | 85 | 9.7 | - | 105 | 92 | 12.5 | 14.5 | 3 | 2 | 11° |

**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS0825-A | 3 | 82.5 | 102 | 36.4 | 85.8 | 9.45 | 105.94 | 105 | 95 | 15.2 | 19 | 4.8 | 2 | 10° |
| YS0820-C | 3 | 82 | 101.5 | 36.4 | 115.5 | 9.5 | 106.5 | 105.4 | 95 | 15.5 | 19.5 | - | - | 10° |
| YS0825-B | 3 | 82.5 | 102 | 35.6 | 84.97 | 9.5 | 105.94 | 105 | 95 | 15.2 | 19 | 4.8 | 2 | 10° |
| YS0830-A | 3 | 83 | 102 | 30 | 87 | 8.5 | 105.5 | 104.8 | 94 | 12.5 | 15 | 5 | 1 | 10° |
| YS0830-B | 3 | 83 | 102 | 28 | 87 | 8.5 | 105.5 | 104.5 | 94 | 12.5 | 15 | 5 | 1 | 10° |
| YS0890-A | 3 | 89 | 108.4 | 29 | 92.5 | 9.3 | 112.97 | 112 | 100.8 | 13 | 15.6 | 4 | 3 | 9.5° |
| YS0890-B | 2 | 89 | 108 | 29 | 92 | 9.3 | 112.97 | 112 | 100 | 12.3 | 14.9 | 4 | 3 | 10° |
| YS0890-C | 2 | 88.75 | 108.4 | 25.4 | 92.5 | 9.3 | 112.97 | 112 | 100.8 | 13 | - | 4 | 3 | 9°30′ |
| YS0890-D | | 89 | 108 | 29 | 82.5 | 9.45 | 112.1 | 111.6 | | 13 | | 3 | 3 | 10° |
| YS0900-A | 3 | 90 | 108 | 29 | 93 | 9.2 | 112.5 | 112.5 | 104 | 14.5 | 16.5 | 0.8 | 0.8 | 12° |
| YS0900-B | 3 | 90 | 110 | 32 | 93.5 | 9.2 | 114 | 113 | 101.5 | 14.5 | 17.5 | 5 | 1 | 10° |
| YS0900-C | 3 | 90 | 105 | 26 | 94 | 6.3 | 107.4 | 106.6 | 100.4 | 11.8 | 14.2 | 2.8 | 1 | 10° |
| YS0900-D | 3 | 90 | 109 | 32 | 93.5 | 9 | 112.9 | 112.9 | 100 | 14.5 | 17 | 3 | 1 | 12° |
| YS0900-E | 3 | 90 | 109 | 31.8 | 93.5 | 9 | 112.9 | 112.9 | 100 | 14.5 | 17 | 3 | 1 | 12° |
| YS0900-F | 3 | 90 | 102 | 20 | 92 | 6.3 | 107 | 106.2 | 100 | 11.5 | 13.5 | 3 | 1.5 | 15° |
| YS0900-G | 3 | 90 | 110 | 35.6 | 93.2 | 9.5 | 113.45 | 112.7 | 98 | 15.2 | 19 | 4.8 | 2 | 10° |
| YS0900-K | 3 | 90 | 109 | 32 | 93.5 | 9 | 112.9 | 112.2 | 103 | 14.5 | 17 | 3 | 1 | 12° |
| YS0901-A | 3 | 90.1 | 109.5 | 32 | 94 | 9.7 | 113.6 | 112.8 | 101 | 15 | 17 | 4 | 0.8 | 10° |
| YS0901-B | 3 | 90.1 | 109.5 | 32 | 94 | 9.47 | 113.63 | 112.8 | 100 | 14.1 | 17 | 4.8 | 0.8 | 10° |
| YS0901-C | 3 | 90.1 | 109 | 36.4 | - | - | 113.5 | - | 102.5 | 15.5 | 19.5 | 5 | 1 | 10° |
| YS0905-A | 3 | 90.5 | 109.5 | 31.8 | 93.2 | 9.5 | 113.5 | 112.8 | 103 | 14.3 | 17 | 4.8 | 1 | 10° |
| YS0905-B | 3 | 90.5 | 109 | 32 | 92.5 | 9.2 | 112.5 | 112.5 | 104 | 12.5 | 14.5 | 0.8 | 0.8 | 12° |
| YS0905-C | 3 | 90.5 | 109.5 | 31.8 | 93.2 | 9.5 | 113.6 | 112.8 | 101 | 15 | 17 | 4 | 1 | 10° |







**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS0905-D | 2.5 | 90.5 | 109.5 | 31.8 | 94.2 | 9.5 | 113.6 | 112.9 | 100 | 15 | 17.4 | 4.8 | 1.2 | 10° |
| YS0920-A | 3 | 92 | 109 | 22 | 98 | 7 | 113.52 | 113.1 | 103 | 10.6 | 12.6 | 3 | 3 | 9.5° |
| YS0920-B | 3 | 92 | 109 | 22 | 98 | 7 | 113.52 | 113.1 | 103 | 10.6 | 12.6 | 3 | 3 | 9.5° |
| YS0920-C | 3 | 92 | 109.5 | 22 | 98 | 7 | 113.6 | 112.8 | 105 | 12 | 14 | 3 | 1 | 10° |
| YS0950-A | 3 | 95 | 114 | 32 | 100 | 9.5 | 120 | 120 | 106 | 14.5 | 16.5 | 3 | 1 | 12° |
| YS0950-B | 3 | 95 | 111 | 24 | 99 | 7.7 | 115.6 | 114.8 | 108 | 11 | 13 | 2 | 1 | 10° |
| YS0950-C | 3 | 95 | 114 | 31.8 | 100 | 9.5 | 120 | 119.2 | 107 | 15 | 17 | 3 | 1 | 12° |
| YS0950-D | 3 | 95 | 114 | 31 | 100 | 9.5 | 120 | 119.2 | 107 | 15 | 17 | 3 | 1 | 12° |
| YS0950-E | 3 | 95 | 111 | 28 | 99 | 7.7 | 115.6 | 114.8 | 108 | 11 | 12.5 | 5 | 1 | 10° |
| YS0985 | 3 | 98.5 | 115 | 22 | 101.5 | 6.8 | 117.4 | 116.9 | 106 | 11 | 13 | 3 | 1 | 12° |
| YS0990 | 3 | 99 | 120 | 28 | 106 | 8.5 | 123.5 | 122.5 | 112 | 12.5 | 14.5 | 5 | 1 | 10° |
| YS1000-A | 3 | 100 | 119 | 31.8 | 102.8 | 9.5 | 123.1 | 122.4 | 110 | 14.3 | 16.5 | 4.8 | 1 | 10° |
| YS1000-B | 3 | 100 | 119 | 31.8 | 102 | 9.5 | 123.2 | 122.4 | 111 | 14.5 | 16.5 | 3 | 0.8 | 10° |
| YS1000-C | 3 | 100 | 119 | 31.8 | 102.8 | 9.5 | 123.1 | 122.4 | 110 | 14.3 | 16.5 | 4.8 | 1 | 10° |
| YS1000-D | 3 | 100 | 120 | 29.4 | 105.3 | 9.2 | 125 | 124 | 111 | 14 | 16 | 3 | 0.8 | 10° |
| YS1007-A | 3 | 100.7 | 120.2 | 29 | 104.5 | 9.3 | - | 124.2 | 113 | 13 | 15.5 | 4 | 3 | 9.5° |
| YS1007-B | 3 | 100.7 | 120.2 | 29.4 | 104.5 | 9.3 | 124.2 | 121.8 | 113 | 13 | 15.5 | 4 | 3 | 9.5° |
| YS1007-C | 4.1 | 101 | 120.2 | 29.4 | - | - | 125.04 | 124.2 | 112 | 12 | 14.5 | 3 | 3 | 9.5° |
| YS1020-A | 3 | 102 | 122 | 33.4 | 105 | 9.3 | 127 | 126.2 | 113 | 14.5 | 16.5 | 2.5 | 1 | 12° |
| YS1020-B | 3 | 102 | 117 | 21 | 106 | 7.3 | 121.66 | 121.1 | 113 | 10.1 | 12.1 | 3 | 3 | 9.5° |
| YS1020-C | 3 | 102 | 122 | 32 | 105 | 10.3 | 127.2 | 127.2 | 115 | 15.5 | 17.5 | 0.8 | 0.8 | 12° |
| YS1020-D | 3 | 102 | 122 | 32 | 106.5 | 9.3 | - | - | - | - | - | - | - | - |
| YS1020-E | 3 | 102 | 122 | 33 | 106.5 | 9.3 | 127.2 | 126.2 | 115 | 15.5 | 17.5 | 3 | 1.5 | 12° |

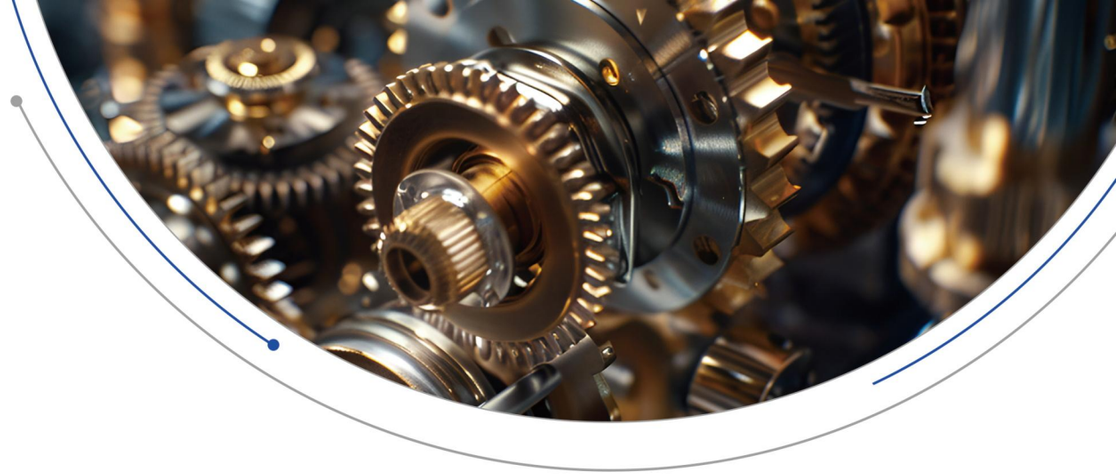


**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS1030 | 3 | 103 | 122.5 | 32 | 107.5 | 9.4 | 127.2 | 126.2 | 115 | 15.5 | 17.5 | 3 | 1 | 12° |
| YS1040-A | 3 | 104 | 125 | 28 | 110 | 9 | 128.6 | 127.6 | 117 | 12.5 | 15 | 5 | 1 | 9.5° |
| YS1040-B | 3 | 104 | 121 | 22 | 110 | 7 | - | 125.1 | 117 | 10.6 | 12.6 | 3 | 3 | 9.5° |
| YS1090-A | 3 | 109 | 127 | 32 | 113 | 9.7 | 133 | 132 | 121 | 15 | 17 | 3 | 0.8 | 10° |
| YS1090-B | 3 | 109 | 132 | 32 | 115 | 9.5 | 136.6 | - | 124 | 15.5 | 17.5 | 3 | 1.5 | 10° |
| YS1100-A | 3 | 110 | 128 | 32 | 112.6 | 9 | 133 | 132.3 | 120 | 14.5 | 16.5 | 3 | 1 | 12° |
| YS1100-B | 3 | 110 | 127 | 32 | 113 | 9.5 | 133 | 132 | 120 | 15 | 17 | 3 | 1.5 | 12° |
| YS1100-C | 3 | 110 | 127 | 31 | 113 | 9.7 | 133 | 132.3 | 120 | 14.5 | 16.5 | 3 | 1 | 12° |
| YS1100-D | 3 | 110 | 128 | 32 | 113 | 9 | 133 | 132 | 121 | 15 | 17 | 3 | 1.5 | 12° |
| YS1110-E | 3 | 111 | 128 | 22 | 116.5 | 7 | 132.5 | 132 | 123 | 10.6 | 12.3 | 3 | 1 | 10° |
| YS1100-F | 3 | 110 | 132 | 32 | 115 | 9.5 | 133 | 132 | 121 | 15 | 17 | 3 | 1.5 | 12° |
| YS1113 | 3 | 111.3 | 131.5 | 30.2 | 115.5 | 9.5 | - | - | - | - | - | - | - | - |
| YS1115 | 1.8 | 111.5 | 131.5 | 29.4 | 115.5 | 9.5 | 137 | 135.7 | 123 | 14.5 | 15 | 4 | 3 | 10° |
| YS1120 | 3 | 112 | 131 | 33 | 114.3 | 9.5 | 136.3 | 135.3 | 125 | 14.2 | 16.7 | 5 | 2 | 10° |
| YS1130 | 3 | 113 | 131.5 | 29.4 | 115.5 | 9.5 | - | 135.7 | 122 | 14.5 | 15.5 | 4 | 3 | 14° |
| YS1140 | 3 | 114 | 133 | 35.6 | 115 | 9.5 | 137.27 | 136.51 | 122 | 15.2 | 19 | 4.8 | 2 | 10° |
| YS1090 | 3 | 109 | 132 | 32 | 115 | 9.5 | 136.6 | 136.6 | 122 | 15.5 | 17.5 | 3 | 1 | 10° |
| YS1145 | 3 | 114.5 | 129 | 21 | 117 | 7 | 134.1 | 133.1 | 126 | 9.2 | 10 | 3 | 1 | 10° |
| YS1150-A | 3 | 115 | 137 | 31 | 122.8 | 9 | 141.8 | 141.8 | 130 | 14.5 | 16.5 | 3 | 1 | 10° |
| YS1150-B | 3 | 115 | 137 | 31 | 120.5 | 9.2 | 141.8 | 141 | 130 | 14.5 | 16.5 | 3 | 0.8 | 10° |
| YS1150-C | 3 | 115 | 123.8 | 31 | 122.8 | 9 | 141.8 | 141.1 | 130 | 14.5 | 17 | 3 | 0.8 | 10° |
| YS117 | 3 | 117 | 140 | 28 | 125 | 8.3 | 142.5 | 141.5 | 132 | 12.5 | 14 | 5 | 1 | 10° |
| YS1200-A | 3 | 120 | 139 | 31.8 | 123.5 | 9.5 | 143 | 142.8 | 131 | 14.3 | 16.5 | 4.8 | 1 | 10° |







**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS1200-B | 3 | 120 | 140 | 28 | 125 | 9.5 | - | - | - | - | - | - | - | - |
| YS1200-C | 3 | 120 | 138.5 | 32 | 122 | 9.7 | 143.4 | 142.6 | 132 | 14.5 | 17.5 | 5 | 1 | 10° |
| YS1200-D | 2.5 | 120 | 140 | 31.8 | 121.4 | 9.45 | 143 | 142 | 129.3 | 15.5 | 17.4 | 4.8 | 1 | 10° |
| YS1200-E | 3 | 120 | 142 | 39 | 125 | 11 | 149 | 148 | 133 | 17 | 19 | 3 | 1.5 | 10° |
| YS1237 | - | 123.75 | 143.5 | 29.4 | 127.1 | 9.22 | - | 147.1 | 135.9 | 13 | 15.9 | 4 | 3 | 9.5° |
| YS1240-A | 3 | 124 | 141 | 22 | 130 | 7 | 145.7 | 145.3 | 134 | 10.6 | 11.7 | 3 | 3 | 9.5° |
| YS1240-B | 3 | 124 | 141 | 22 | 130 | 7 | 145.7 | 145.3 | 134 | 10.6 | 11.7 | 3 | 3 | 9.5° |
| YS1250-A | 3 | 125 | 144.5 | 31.8 | 128.5 | 9.5 | 148.5 | 147.5 | 136 | 14.3 | 18 | 4.8 | 1 | 10° |
| YS1250-B | - | 125 | 144.5 | 31.8 | 128.5 | 9.5 | 148.5 | 147.5 | 136 | 14.3 | 18 | 4.8 | 1 | 10° |
| YS1270-A | 3 | 127 | 145.9 | 33.4 | 129 | 9 | 150.2 | 150.2 | 138 | 14 | 16 | 3 | 1 | 10° |
| YS1270-B | 3 | 127 | 141 | 25.8 | 127.5 | 6.2 | 143.8 | 143.1 | 136.9 | 11.8 | 14.2 | 2.8 | 1 | 10° |
| YS127-C | 3 | 127 | 146 | 32 | 130 | 9.5 | 150.5 | 149.5 | 140.5 | 14.5 | 16.5 | 5 | 1 | 10° |
| YS1270-D | 3 | 127 | 141.2 | 25.4 | 127.5 | 6.22 | 143.97 | 143.21 | 138 | 12.7 | 14.5 | 2.79 | 1.6 | 10° |
| YS1270-E | 4 | 127 | 146 | 31.8 | 129 | 9 | 150.2 | 149.4 | 138 | 14 | 16 | 3 | 0.8 | 10° |
| YS1270-F | 3 | 127 | 141 | 29 | 130 | 6 | 144 | 143 | 136 | 12 | 14.5 | 3 | 1 | 10° |
| YS1300-A | 3 | 130 | 150 | 32 | 134.5 | 9 | 155.6 | 154.6 | 144 | 14.5 | 16.5 | 5 | 1 | 10° |
| YS1300-B | 3 | 130 | 152 | 38 | 133 | 11.3 | 159 | 158 | 144 | 18.5 | 20.5 | 3 | 1.5 | 10° |
| YS1300-C | 3 | 130 | 150 | 32 | 134.5 | 9 | 156.6 | 155.6 | 144 | 15 | 17 | 2 | 2 | 12° |
| YS1300-D | 3 | 130 | 152 | 38 | 133 | 11.3 | 159 | 158 | 144 | 18.5 | 20.5 | 3 | 0.8 | 10° |
| YS1300-E | 3 | 130 | 150 | 32 | 136 | 9.5 | 157.2 | 156.4 | 143 | 15 | 18 | 4 | 3 | 13° |
| YS1300-F | 4 | 130 | 152 | 38.4 | 133 | 11.3 | 159 | 158 | 144 | 18 | 20 | 2.5 | 1.5 | 10.5° |
| YS1300-G | 3 | 130 | 150 | 32 | 139 | 9 | 155.97 | 155.68 | | 14.5 | | 3 | 3 | 12° |
| YS1320-A | 3 | 132 | 152 | 30 | 136 | 9 | 156.2 | 155 | 144 | 12.5 | 14.5 | 3 | 2 | 10° |



**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS1320-B | 3 | 132 | 152 | 29.4 | 136 | 9 | - | 155.3 | 144 | 11.7 | 13.5 | 3 | 3 | 9.5° |
| YS1320-C | 1.6 | 132 | 152 | 29.4 | - | - | 156.28 | 155.3 | 144 | 13.5 | 16 | 3 | 3 | 9.5° |
| YS1350 | 3 | 135 | 155 | 33 | 142 | 9 | 160.6 | 159.6 | 150 | 14.5 | 17 | 3 | 1.5 | 10° |
| YS1370-A | 4 | 137 | 153 | 30 | 137.8 | 9.2 | 159.72 | 159 | 148 | 13 | 15 | 2.5 | 0.8 | 10.5° |
| YS1370-B | 3 | 137 | 153 | 30 | 141 | 9.25 | - | - | - | - | - | - | - | - |
| YS1420 | 3 | 142 | 160 | 33 | 146 | 9 | 166 | 165 | 152 | 15 | 17.5 | 2 | 2 | 10° |
| YS1428 | 3 | 142.8 | 157 | 25.4 | 142.5 | 6.2 | 159.7 | 158.9 | 152.1 | 11.8 | 14.2 | 2.8 | 1 | 10° |
| YS1430-A | | 143 | 160 | 27 | | | | | | | | | | |
| YS1430-B | 3 | 143 | 157 | 27 | 145 | 6.3 | 160 | 159 | 152 | 12 | 14.5 | 3 | 1 | 10° |
| YS1450 | | 145 | 171.7 | 37.6 | 147.47 | 12.7 | | | | | | | | |
| YS1460 | 3 | 146 | 172 | 38 | 147 | 12.7 | 177 | 176 | 159 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS1480 | 3 | 148 | 170 | 34 | 152 | 9.6 | 175.6 | 174.6 | 164 | 15 | 17 | 3 | 1 | 10° |
| YS1500A | 3 | 150 | 171 | 32 | 155 | 9.5 | 175.63 | 174.5 | 162 | 14.5 | 17.5 | 3 | 3 | 12° |
| YS1500B | 4 | 150 | 172 | 40 | 151 | 11.2 | 179 | 178 | 165 | 18 | 20 | 3 | 1 | 10° |
| YS1500C | 3 | 150 | 167 | 28 | 153.8 | 8.5 | 171 | 170 | 160 | 13 | 15.5 | 5 | 1 | 10° |
| YS1500D | 3 | 150 | 171 | 32 | 155 | 9.5 | 175.6 | 174.6 | 174.1 | 14.5 | 17.5 | 5 | 1 | 10° |
| YS1540A | 3 | 154 | 169 | 22 | 158 | 7 | 174.5 | 173.5 | 166 | 9.2 | 11 | 3 | 1 | 10° |
| YS1540B | 3 | 154 | 170 | 21.5 | 158 | 7 | 175.1 | 174.1 | 167 | 9.2 | 10 | 3 | 1 | 10° |
| YS1540C | 3 | 154 | 168 | 27 | 158 | 6 | 171 | 170 | 162.5 | 12 | 14.5 | 3 | 1 | 10° |
| YS1540D | 3 | 154 | 173.5 | 32 | 155 | 9.65 | 178 | 177 | 166 | 14.5 | 17 | 5 | 1 | 10° |
| YS1550 | 3 | 155 | 177 | 38 | 158.5 | 9.5 | 181.5 | 180.5 | 169 | 18 | 20.5 | 5 | 1 | 10° |
| YS1600A | 3 | 160 | 180 | 32 | 166 | 9 | 186.3 | 185.5 | 174 | 14.5 | 17 | 5 | 1 | 10° |
| YS1600B | 3 | 160 | 180 | 32 | 166 | 9 | 186.3 | 185.5 | 174 | 13.5 | 17.5 | 3 | 1.5 | 12° |





**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS1620 | 3 | 162 | 181 | 32 | 164 | 9.3 | 185.4 | 184.7 | 174 | 16 | 18.5 | 4 | 1 | 9.5° |
| YS1630A | | 163 | 191.5 | 40.6 | 166 | 12.7 | | | | | | | | |
| YS1630B | 3.8 | 163 | 191 | 38 | 167 | 12.7 | 196.36 | 195.5 | 179 | 18 | 21 | 5 | 1 | 10° |
| YS1630C | 3 | 163 | 191.5 | 38 | 166 | 12.7 | 196.5 | 195.5 | 178.5 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS1650A | 3 | 165 | 182.5 | 28 | 170 | 7 | 186 | 185 | 176.5 | 12 | 14.5 | 3 | 1 | 10° |
| YS1650B | 3 | 165 | 180.5 | 27 | 170 | 7 | 185 | 184 | 176.5 | 12 | 14.5 | 3 | 1 | 10° |
| YS1690A | 3 | 169 | 189 | 32 | 170 | 9.5 | 192.5 | 193.5 | 179 | 14.5 | 17 | 5 | 1 | 10° |
| YS1690B | 3 | 169 | 188 | 34 | 170 | 9.5 | 193 | 192 | 180 | 16 | 18 | 5 | 1 | 10° |
| YS1720 | 3 | 172 | 194.5 | 31.8 | 175 | 9.5 | 198.9 | 197.9 | 186 | 14.5 | 16.5 | 5 | 1 | 10° |
| YS1740 | 3 | 174 | 190 | 25.4 | 173 | 6.25 | 192.7 | 191.8 | 188 | 12.7 | 15.5 | 2.8 | 1 | 10° |
| YS1760 | 3 | 176 | 195 | 28 | 182 | 8.3 | 199.8 | 198.8 | 188 | 12.5 | 14.5 | 5 | 1 | 10° |
| YS1770 | 3 | 177 | 200 | 30 | 184 | 9.5 | 204.5 | 203.5 | 191 | 14.5 | 17 | 5 | 1 | 10° |
| YS1780A | 3 | 178 | 200 | 38 | 183 | 13.3 | 212.5 | 211.4 | 190 | 18 | 22 | 2 | 1 | 12° |
| YS1780B | 3 | 178 | 205 | 38 | 183 | 13.3 | 210.6 | 209.8 | 200 | 18 | 20.5 | 2.5 | 1 | 10° |
| YS1780C | 3 | 178 | 199 | 31.8 | 184 | 9.5 | 203.6 | 202.6 | 190 | 14.5 | 17 | 5 | 1 | 10° |
| YS1800A | 3 | 180 | 197.5 | 23 | 184 | 6.7 | 202.2 | 201.9 | 196 | 9.4 | 10.6 | 3 | 1 | 10° |
| YS1800B | 3 | 180 | 197.4 | 21.4 | 184 | 6.22 | 202.2 | 201.9 | 196 | 9.4 | 10.6 | 3 | 1 | 10° |
| YS1820A | 3 | 182 | 210.5 | 38 | 186 | 13 | 215.5 | 214.5 | 197.5 | 19 | 10 | 6.5 | 1 | 10° |
| YS1820B | 3 | 182 | 210.5 | 38 | 185 | 12.7 | 215.5 | 214.5 | 197.5 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS1820C | 3.8 | 182 | 210 | 38 | 185 | 12.7 | 215.5 | 214.5 | 198 | 18 | 21 | 6.3 | 1 | 10° |
| YS1820D | | 182 | 209.8 | 46 | | | | | | | | | | |
| YS1824 | | 182.4 | 210.3 | 37.6 | 185 | 12.7 | | | | | | | | |
| YS1830 | 3 | 183 | 202 | 28 | 188 | 8.5 | 206 | 205 | 195 | 12.5 | 14.5 | 5 | 1 | 10° |





**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS1860 | 3 | 186 | 203 | 25.4 | 184 | 6.25 | 205.7 | 204.9 | 190.5 | 14.5 | 16 | 2.8 | 1 | 10° |
| YS1880 | 3 | 188 | 204.5 | 28 | 190 | 8.5 | 210.3 | 209.5 | 200 | 12.5 | 14.5 | 5 | 1 | 10° |
| YS1910 | 3 | 191 | 210 | 28 | 190 | 8.5 | 214 | 213 | 203 | 12.5 | 14.5 | 5 | 1 | 10° |
| YS1920A | 3 | 192 | 215 | 33 | 197 | 9.45 | 220.8 | 219.8 | 207 | 16.5 | 18.5 | 4 | 1 | 10° |
| YS1920B | | 192 | 216 | 42 | 197 | 10.5 | | | | | | | | |
| YS1920C | 3 | 192 | 215 | 33 | 197 | 10.6 | 220.8 | 219.8 | 207 | 16.5 | 18.5 | 4 | 1 | 10° |
| YS1920D | 3 | 192 | 215 | 33 | 197 | 9.45 | 220.8 | 219.8 | 207 | 16.5 | 18.5 | 4 | 1 | 10° |
| YS1950A | 3 | 195 | 216.5 | 32 | 197 | 9.5 | 221 | 220 | 207 | 14.5 | 17 | 5 | 1 | 10° |
| YS1950B | 3 | 195 | 218 | 38 | 200 | 12 | 226 | 225 | 208 | 19.5 | 22 | 4 | 1 | 10° |
| YS2000 | 3 | 200 | 228.5 | 38 | 206 | 13 | 233.5 | 232.5 | 215.5 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2020 | 3 | 202 | 222.3 | 26.5 | 207 | 6.22 | 224.9 | 224.1 | 217.9 | 11.8 | 14.2 | 2.8 | 1 | 10° |
| YS2050 | 3 | 205 | 227 | 30 | 210 | 9.5 | 231.5 | 230.5 | 219 | 14.5 | 17 | 5 | 1 | 10° |
| YS2076 | 4.2 | 207.6 | 222.5 | 25.4 | 207 | 6.22 | 225.4 | 224.3 | 217 | 11.5 | 13.5 | 2.5 | 1 | 10° |
| YS2090 | 3 | 209 | 234 | 42 | 214 | 13 | 242.6 | 241.6 | 224 | 19.5 | 22.5 | 4 | 2 | 10° |
| YS2160 | | 216 | 229.8 | 27.4 | | | | | | | | | | |
| YS2170A | 3 | 217 | 240 | 36 | 219 | 11 | 244 | 243 | 230 | 17 | 19 | 3 | 3 | 10° |
| YS2180 | 3 | 218 | 246 | 38 | 228 | 11 | 251 | 250 | 235 | 17 | 21 | 3 | 3 | 10° |
| YS2200A | 3 | 220 | 241.5 | 25 | 226 | 7.7 | 244.7 | 244 | 233.5 | 11 | 13.5 | 4 | 1 | 10° |
| YS2200B | 3 | 220 | 239.5 | 31.8 | 224 | 9.5 | 244 | 243 | 232 | 14.5 | 16.5 | 5 | 1 | 10° |
| YS2220 | 3 | 222 | 246 | 36 | 227 | 10 | 251.8 | 250.6 | 236 | 17 | 19 | 4 | 1 | 12.5° |
| YS2230 | 3 | 223 | 251.5 | 46 | 224.9 | 12.7 | 256.6 | 255.7 | 238.7 | 18.4 | 24.1 | 6.3 | 1 | 10° |
| YS2235 | 3 | 223.5 | 251.46 | 38 | 226 | 12.7 | 256.5 | 255.5 | 238 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2250 | 3 | 225 | 252 | 37 | 232 | 12 | 258 | 257 | 241 | 19 | 21 | 4 | 1 | 10° |

**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS2316 | 3 | 231.65 | 259.6 | 38 | 234 | 12.7 | 264.7 | 263.8 | 247 | 18.4 | 20.5 | 6.3 | 1 | 10° |
| YS2355 | | 235.5 | 258 | 41.6 | 248.5 | 12 | | | | | | | | |
| YS2380 | 3 | 238 | 261 | 31.8 | 245 | 9.5 | 265.5 | 264.5 | 254 | 14.5 | 17 | 5 | 1 | 10° |
| YS2400A | 3 | 240 | 262.8 | 38 | 243 | 13 | 273.5 | 272.5 | 255.5 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2400B | 3 | 240 | 268.5 | 38 | 243 | 13 | 273.5 | 272.5 | 255.5 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2400C | | 240 | 263 | 32 | 243 | 10 | | | | | | | | |
| YS2450 | 3 | 245 | 264.5 | 32 | 248 | 9.5 | 268.9 | 267.9 | 255 | 14.5 | 17 | 5 | 1 | 10° |
| YS2500 | 3 | 250 | 270 | 30 | 250 | 9.5 | 274.7 | 273.7 | 262 | 14 | 15.5 | 5 | 1 | 10° |
| YS2520 | 3 | 252 | 280.5 | 38 | 255 | 12.7 | 285.5 | 284.5 | 267.5 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2650A | 3 | 264.9 | 292.9 | 37.6 | 262 | 12.7 | 298 | 297 | 280 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2650B | 3 | 265 | 293 | 38 | 262 | 12.7 | 298 | 297 | 280 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2650C | 3 | 265 | 293 | 38.6 | 268 | 12.7 | 298 | 297 | 280 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2750 | 3 | 275 | 303 | 38 | 278 | 12.7 | 308 | 307 | 290 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2820A | 3 | 282 | 311 | 38 | 278 | 12.7 | 316.3 | 315.4 | 298 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS2820B | 3 | 282 | 314 | 38 | 278 | 12.7 | 320 | 319 | 300 | 18 | 21 | 4 | 1 | 10° |
| YS2820C | 4 | 282 | 314 | 40 | 288 | 12.7 | 320 | 319 | 300 | 18 | 21 | 4 | 1 | 10° |
| YS2980A | 3 | 298 | 328 | 40.8 | 304 | 12 | 332.75 | 332 | 314.9 | 18 | 23 | 4 | 3 | 9.5° |
| YS2980B | 4 | 298 | 328 | 41 | 305 | 12.7 | 333 | 332 | 314.9 | 18.5 | 23 | 4 | 1 | 10° |
| YS3000A | 3 | 300 | 324.65 | 38 | 305 | 12.7 | 335.5 | 334.5 | 318 | 17.5 | 20.5 | 6.5 | 1 | 10° |
| YS3000B | 3 | 300 | 328 | 38 | 304 | 12 | 333 | 332 | 315 | 19.5 | 22 | 4 | 1 | 10° |
| YS3030 | 3 | 303 | 324.65 | 38 | 305 | 12.7 | 335.5 | 334.5 | 318 | 17.5 | 20.5 | 6.5 | 1 | 10° |
| YS3180A | 3 | 318 | 341 | 38 | 320 | 12.7 | 351.5 | 350.5 | 334 | 17.5 | 20.5 | 6.5 | 1 | 10° |
| YS3180B | 3 | 318 | 346 | 38 | 320 | 12.7 | 351.5 | 350.5 | 334 | 18 | 20.5 | 6.5 | 1 | 10° |
| YS3260 | 3 | 326 | 354 | 30 | 334 | 9.5 | 358.7 | 357.7 | 346 | 15 | 16.5 | 5 | 1 | 10° |
| YS3360 | 3.9 | 336 | 368 | 40.8 | 346 | 12 | 374.7 | 373.5 | 360 | 18.6 | 20.5 | 3 | 3 | 9.5° |
| YS3400A | 3 | 340 | 368 | 40.8 | 346 | 12 | 374.8 | 373.5 | 358 | 19 | 21.5 | 4 | 1 | 10° |
| YS3400B | 3.9 | 340 | 368 | 40.8 | 346 | 12 | 374.8 | 373.8 | 360 | 19 | 20.5 | 3 | 1 | 10° |
| YS3400C | 3 | 340 | 368.5 | 38 | 338 | 13.1 | 374.8 | 373.2 | 358 | 19 | 21.5 | 4 | 1 | 10° |
| YS3500 | 3 | 350 | 375 | 38 | 355 | 12.7 | 385.5 | 384.5 | 368 | 17.5 | 20.5 | 6.5 | 1 | 10° |
| YS3560 | 3 | 356 | 381 | 38 | 355 | 12.45 | 389.5 | 388.5 | 371 | 17.5 | 20.5 | 6.5 | 1 | 10° |
| YS3665 | 3 | 366.52 | 394.46 | 38 | 359.5 | 12.7 | 399.5 | 398.6 | 381 | 17.5 | 20.5 | 6.5 | 1 | 10° |





**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

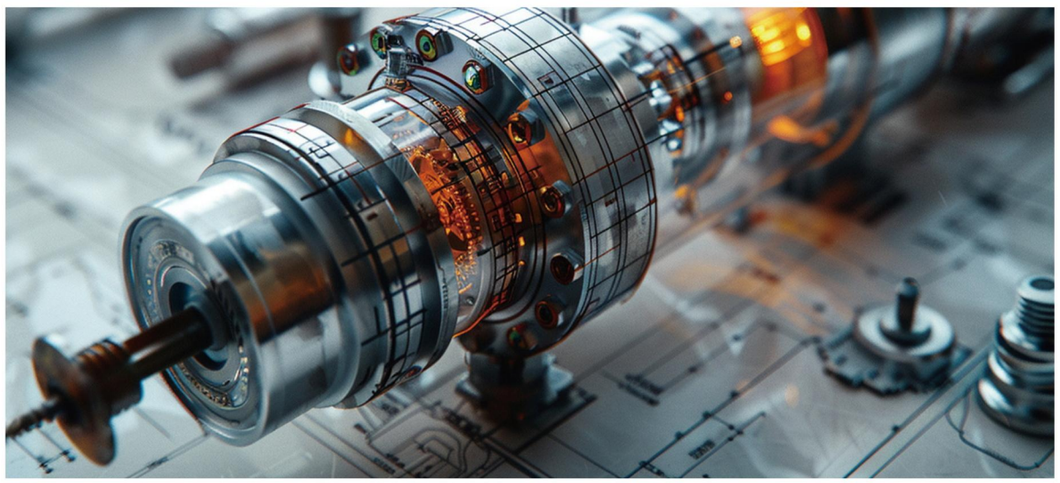
| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS3700 | 3 | 370 | 398 | 38 | 370 | 12.7 | 403.5 | 402.6 | 385 | 17.5 | 20.5 | 6.5 | 1 | 10° |
| YS3870 | 3 | 387 | 415 | 38 | 385 | 12.7 | 420.3 | 419.4 | 402 | 17.5 | 20.5 | 6.5 | 1 | 10° |
| YS4292 | 3 | 429.26 | 457.2 | 38 | 420 | 12.7 | 462.3 | 461.3 | 444 | 17.5 | 20.5 | 6.5 | 1 | 10° |
| YS4500A | 6 | 450 | 480 | 50 | 454 | 16 | 491.7 | 490.2 | 470 | 23.5 | 25.5 | 6 | 1 | 10° |
| YS4500B | 6 | 450 | 480 | 50 | 454 | 16 | 491.7 | 490.2 | 470 | 23.5 | 25.5 | 6 | 1 | 10° |
| YS4650 | 3 | 465 | 495 | 43.6 | 460 | 12.7 | 503.1 | 500.9 | 482.9 | 21.2 | 23 | 7 | 1 | 10° |
| YS4700 | 3 | 470 | 500 | 50 | 474 | 16 | 512.2 | 510.2 | 490 | 23.5 | 25.5 | 6 | 1 | 10° |
| YS5050 | 6 | 505 | 533.4 | 43.6 | 493 | 12.7 | 538.4 | 537.4 | 521 | 19.7 | 21.7 | 6.5 | 1 | 10° |
| YS5080 | 15 | 508 | 548 | 60 | 510 | 18 | 553 | 551.5 | 528 | 22 | 26 | 9 | 1 | 10° |
| YS5300 | 3 | 530 | 560 | 50 | 535 | 16 | 572.2 | 570.2 | 545 | 23.5 | 25.5 | 6 | 1 | 10° |
| YS5590 | 3 | 559 | 590 | 50 | 560 | 16 | 602.2 | 600.2 | 575 | 23.5 | 25.5 | 6 | 1 | 10° |
| YS5800A | 6 | 580 | 608 | 43.6 | 613 | 12.7 | 613 | 612 | 596 | 19.7 | 21.7 | 6.5 | 1 | 10° |
| YS5800B | 6 | 580 | 608 | 42.6 | 590 | 10 | 613 | 612 | 596 | 19.7 | 21.7 | 6.5 | 1 | 10° |
| YS5910A | 5.25 | 591 | 623 | 50 | 595 | 16 | 634.7 | 633.2 | 613 | 23.5 | 25.5 | 6 | 1 | 10° |
| YS5910B | 9 | 591 | 623 | 50 | 595 | 16 | 634.7 | 633.7 | 610 | 22 | 24 | 6 | 5 | 10° |
| YS5960 | 5.3 | 596 | 628 | 50 | 590 | 16 | 640.2 | 638.2 | 618 | 23.5 | 25.5 | 6 | 1 | 10° |
| YS6600 | 6 | 660 | 695 | 53 | 665 | 16 | 705.3 | 703.8 | 680 | 23.5 | 25.5 | 6 | 1 | 10° |
| YS6670A | 9 | 667 | 700 | 43.6 | 660 | 12.7 | 705.6 | 704.3 | 687 | 21.3 | 24 | 6.3 | 1 | 10° |
| YS6670B | 12 | 667 | 700 | 50 | 660 | 12.7 | 705.6 | 704.7 | 687.7 | 21.3 | 26.2 | 6.3 | 1 | 10° |
| YS7180 | 3 | 718 | 750 | 50 | 722 | 16 | 762.2 | 760.2 | 740 | 23.5 | 25.5 | 6 | 1 | 10° |
| YS7400 | 17 | 740 | 801 | 80 | 745 | 20.5 | 816.9 | 815.9 | 784 | 34.5 | 39.5 | 10 | 1 | 10° |
| YS7700 | 17 | 770 | 826 | 80 | 780 | 20.5 | 831.9 | 830.9 | 800 | 34.5 | 39.5 | 10 | 1 | 10° |
| YS7800 | 17 | 780 | 836 | 80 | 790 | 20.5 | 841.9 | 840.9 | 810 | 34.5 | 39.5 | 10 | 1 | 10° |



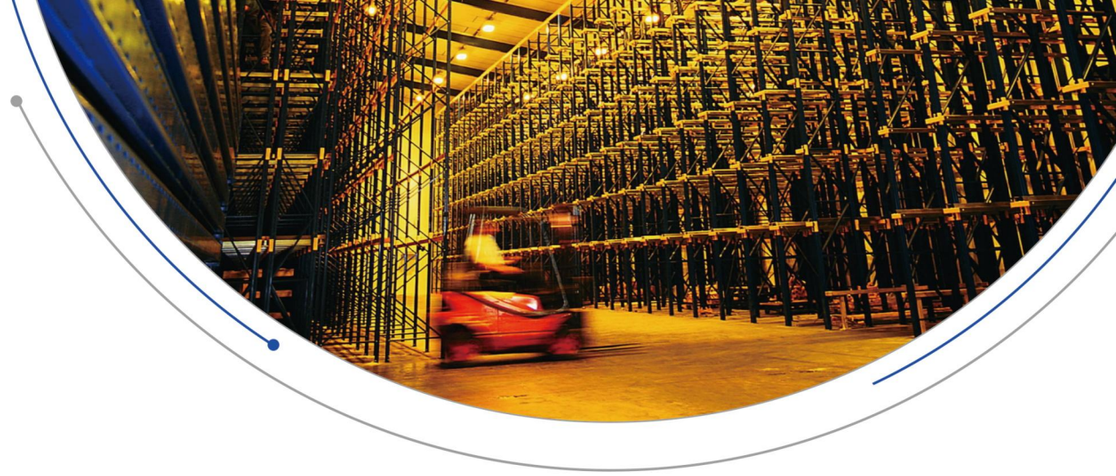


**SEAL RING SPECIFICATION** (ON THE BASIS OF "ΦDI") - ("-A" STANDS FOR HIGH CHROMIUM CAST IRON / "-B" STANDS FOR HIGH NICKEL CAST IRON)

| DRAWING NO. | A | SEAL RING[MM] | | | O-RING[MM] | | FLOATING HOUSING[MM] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ΦDI | ΦDA | H | Φd1 | Φd2 | Φdh* | Φde* | Φdf | t1 | t2 | r | R1 | a |
| YS8170 | 12 | 817 | 865 | 46.6 | 830 | 12.7 | 870.6 | 869.7 | 852.7 | 21.3 | 26.2 | 6.3 | 1 | 10° |
| YS8250 | 11 | 825 | 865.3 | 48 | 819 | 12.7 | 870.6 | 869.7 | 852.7 | 18.4 | 23.3 | 6.3 | 1 | 10° |
| YS8310 | 12 | 831 | 865 | 46.6 | 830 | 12.7 | 870.6 | 869.7 | 852.7 | 21.3 | 26.2 | 6.3 | 1 | 10° |
| YS8340 | 17 | 834 | 886 | 80 | 840 | 20.5 | 891.9 | 890.9 | 860 | 34.5 | .39.5 | 10 | 1 | 10° |
| YS8900 | 17 | 890 | 951 | 80 | 895 | 20.5 | 956.9 | 955.9 | 924 | 30 | 34 | 10 | 5 | 10° |
| YS9020 | 16 | 902 | 941 | 60 | 897 | 16.25 | 946.3 | 945.2 | 922.4 | 23.8 | 25.2 | 8 | 1 | 10° |
| YS9200 | 17 | 920 | 976 | 80 | 930 | 20.5 | 981.9 | 980.9 | 950 | 34.5 | 39.5 | 10 | 1 | 10° |
| YS10300 | 17 | 1030 | 1085 | 80 | 1020 | 20.5 | 1090.9 | 1089.9 | 1058 | 34.5 | 39.5 | 10 | 1 | 10° |
| YS10440 | 17 | 1044 | 1105 | 80 | 1050 | 20.5 | 1110.9 | 1109.9 | 1078 | 34.5 | 39.5 | 10 | 1 | 10° |
| YS11750 | 26 | 1175 | 1236 | 80 | 1170 | 20.5 | 1241.9 | 1240.4 | 1209 | 32.5 | 37.5 | 10 | 1 | 10° |
| YS13720 | 26 | 1372 | 1425 | 80 | 1350 | 20.5 | 1430.9 | 1429.9 | 1398 | 32.5 | 37.5 | 10 | 1 | 10° |







# 08 销售网络
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Annotation

This directory is an introduction to SYS floating seal products

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