



Head Office / FactoryTel : (82-51)264-0018~21 Fax : (82-51)264-0017 http://www.dymbrg.com e-mail : dymbrg@dymbrg.com Add : (604-826) #1506-4, Dadae-dong, Saha-gu, Busan, Korea



SUPPORT YOUR POWER DYM

Dong Yang Metal Ind. Co., Ltd.

www.dymbrg.com



Contents 02p. Greetings 04p. History of Company 05p. Synopsis 06p. Quality system 08p. Production facilities 10p. Power Plant / Hydro Power Plant 12p. Thermal Power Plant 16p. Nuclear Power Plant 18p. Gas Turbine 19p. Generator 20p. Industry / Compressor 24p. Chemical Plant

25p. Cement Plant 26p. Steel Plant

32p. Marine Engine 36p. LNGC Turbine 37p. Turbo Charger

38p. Certificate

28p. Reduction Gear/ Navy Ship Application

History of Company

- 1981 Established the company named "DONG YANG METAL IND. CO.,LTD." in Young-Do, Busan.
- 1986 Tilting pad journal bearing for the centrifugal compressor (32,000 rpm) and delivered to POSCO.
- 1986 Localized the Bearing for Heavy Loading Marine Diesel Engine.
- 1987 Manufactured white metal bearing for the engine (RTA84C, 54,000hp) of the project apl #1~#5 and delivered to HSD (EX.HANJUNG).
- 1989 Localized main turbine and generator bearing for nuclear power station and delivered to DOOSAN (EX.HANJUNG).
- 1991 Built second workshop in DaDae-Dong, Busan. 1994 ISO 9002, APPROVED BY DET NORSKE VERITAS Q.A

 - 1995 Localized MAAG gear type radial-axial bearing for reduction gear box for frigate and delivered to MAAG, SWITZERLAND.
 - 1997 Developed the sleeve bearing ass'y (Industrial Motor) LEECHEON ELECTRIC MFG. CO., LTD.
 - 1998 Developed the journal brg'(16") for gas turbine (WESTING HOUSE).
 - 1998 Localized the shell bearing for POSCO steel plant, hot rolling m/c (MORGAN TYPE).
 - 1998 Developed the tilting thrust and journal bearing for turbo-chiller. (LG CABLE)
 - 1998 Bearings of TRI-ENERGY (GE 324 Endshield Generator).
 - 1999 Developed the tilting pad journal bearing for centrifugal compressor. (SAMSUNG, Gardner Denver U.S.A)
 - 1999 7FH2 bearing and delivered to DOOSAN (EX.HANJUNG).
 - 2000 Developed sleeve bearing (MHI model)39"&42" for POSCO.
- 2000 Developed sleeve bearing (with inductions & L. 2001) Qualified by GE Power systems, U.S.A as a steam turbine & Generator Bearing supplier.
 - 2001 Qualified by GE Oil & Gas Nuovo Pignone, Italy as a Centrifugal Compressor Bearing supplier.
 - 2002 Qualified by POSCO, Korea as a shell & sleeve Bearing supplier.
 - 2003 Qualified by MAN B&W, Denmark as a Thin shell Bearing supplier.
 - 2003 Qualified by Hitachi, LTD. Power & Industrial systems, Japan as a Gas turbine Bearing supplier.
 - 2004 Qualified by TOSHIBA Corporation, Japan as a Generator Bearing supplier.
 - 2004 Qualified by Mitsubishi Heavy industries, LTD, Japan as a MET Turbo charger Bearing supplier.
 - 2004 Contract with POSCO for shell & sleeve Bearing.
 - 2004 Qualified by GE Power systems, U.S.A as a 390H type Endshield Generator Bearing and delivered to Harbin electric machinery co., LTD, Harbin, China,
 - 2005 Company name changed to "DYM CO., LTD."
 - 2005 Certified by BV as a White Metal Bearing for intenal Combustion Engines.
 - 2005 Qualified by GE Power systems, U.S.A as a 330H type Endshield Generator Bearing.
 - 2006 Supplied Radial Bearings for steam turbine to Siemens AG, Mulheim Germany.
 - 2006 Voted Strategy Industry Leader Company in BUSAN.
 - 2007 Contract with FORMOSA for Gear Shaft Bearing in Taiwan for GE.
 - 2007 Supplied Thrust Plate for Nuclear Power to Nuclear Power Corporation India Limited.
 - 2007 Qualified by GE for Gas Turbine Accessory Gear Unit, U.S.A as Gear Accessory Bearings
 - 2007 Awarded US 5 million Export Tower.
 - 2008 Voted Export Promising 100th Company to JAPAN (Ministry of Knowledge Economy)
 - 2008 Qualified by SIEMENS, GERMANY as a Steam Turbine Bearing.
 - 2008 Qualified by GE, Large Steam Turbine Generator Bearing.
 - 2009 Qualified by TOSHIBA for all of Nuclear Metal Bearing supplier.
 - 2009 Voted Venture Business Company. (Korea Technology Finance Corporation)
- 2010 ISO 14001, OHSAS 18001 Approved by DET NORSKE VERITAS Q.A

Synopsis

1.MARINE ENGINE

- · Diesel Engine Bearing
- (Main Bearing, Guide Shoe, Thrust Pad & Segment. Top & Bottom End Bearing, Bushing etc.)
- · Stern Tube Bush
- · Bearing for Intermediate Shaft

2.ROLLING MACHINE

- · Rolling mill back up roll chock Bearing
- · MESTA oil Flooding Bearing
- Morgoil oil Flooding Bearing
- · Spindle carrier Bearing for mill
- · Mill roll Bearing

3.HEAVY ELECTRIC

- · Bearing for Generator
- · Bearing for Turbine
- · Bearing for Blower
- · Bearing for Hydro-electric Power
- · Thrust Bearing and Segment for Turbine
- · Plain Bearing for Gas Turbine

4.CEMENT & PULVERIZED COAL PLANT

- Journal Bearing for tube mill
- · Journal Bearing for ball mill
- · Journal Bearing for roll

5.GENERAL INDUSTRY

- · Sleeve type half shell Bearing
- · Combined type half shell Bearing
- Bearing for reduction gear
- Sugar plants roll mill Bearing

6.NUCLEAR, THERMAL & HYDRO POWER PLANT

05

- Turbine Bearing
- · Generator Bearing

7.NAVY VESSEL

- · Reduction Gear Box Bearing
- Journal / Axial Bearing
- Thrust Pad Bearing





Quality system



Quality and Environmental Management

DYM has been certified to the international management and environmental standards.

We first introduced **ISO 9002 standard in 1994** and were certified according to **ISO 9001** standard for the production of high quality products and effective process.

Also, DYM received **ISO 14001** standard which specifies the actual requirements for an organization's environmental management system and **OHSAS 18001** certificate proving that its operations are safe for both its employees and the surrounding environment. This is another step towards becoming a role model with respect to efficient environmental work, and achieving our overall goal of zero tolerance culture with regard to work-related injuries/illnesses and environmental pollution.

Inspection and Testing

The inspection and test setup is a tool to evaluate the competitiveness of bearing industries.

At DYM the world class quality precision equipments and skilled manpower are our invaluable assets.

Technical Supporting Firms & Institutes

KIMS (KOREA INSTITUTE OF MATERIALS SCIENCE)

ECKA GRANULES - SUPPLIER OF WHITE METAL INGOT

KTA (KOREA TECHNOPARK ASSOCIATION)

NX6 3Dimension Modeling

High precision computing method, NX6, delivers data for simulation work based on the 3D-CAD method and improves the Quality of the products. With high performance tool, we can reduce the errors and apply to master data for machining.

- 1. Beforehand solution for error
- 2. Be easy to feedback
- 3. Data Verification

- 1. Improve the Quality and reduce the lead time
- 2. Application to master data for machining
- 3. Cut expense



Production facilities

Extensive Manufacturing capabilities

To insure the production of an ever-extending range of parts, we have modern machinery set-up. It will bring a revolution to the production capability of our shop.

YAMAZAKI MAZAK NEXUS 8800 with 6 Pallet

-STROKE

X:1,400 mm

Y:1,200 mm

Z:1,325 mm

DOOSAN DS-130C

(FH 4,000 X H2,000 X H1,600/1,5000 kg)

-STROKE

X:2,800 mm



- Maximum machining range: L3,000 X H2,000 X W1,600/1,500 kg

Y: 1,800 mm

Z:1,425 mm





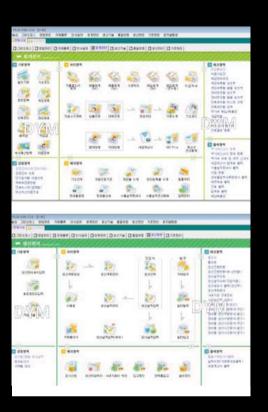


POP & ERP System

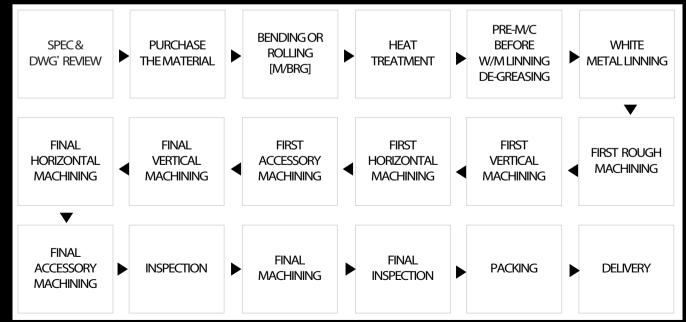
Enterprise Resource Planning (ERP) is an integrated computer-based system use to manage internal and external resource, including tangible assets, financial resources, materials, and human resources.

Point of Product System (POP) can handle separated resources in each part of factory for order operating, factory inventory, process control and inspection





Manufacturing Process Map



unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

HYDRO POWER PLANT





Challenge for World Wide!

DYM new vision consist of development of technique and research. The Best Quality and Service They are promise with DYM





ITEM: THRUST PAD

DIM $^{\prime}$: 0.D562 imes I.D 373 imes T50

MAT'L:WJ2/SS400



ITEM: MIDDLE BUSH

DIM': 0.D350 imes 1.D320 imes B315

MAT'L:BRONZEL.F.D UPB8 NI3

ITEM: UPPER BUSH

ITEM: LOWER BUSH

DIM': $0.D350 \times 1.D320 \times B140$

DIM': 0.D360 imes 1.D320 imes B229

MAT'L:BRONZELF.D UPB8 NI3

MAT'L: BRONZE L.F.D UPB8 NI3



ITEM: GUIDE BRG

DIM ': 0.D1350 imes I.D950 imes L750

MAT'L:WJ2/SS400

ITEM: LOWER GUIDE BRG

DIM ': 0.D780 imes 1.D470 imes 150

MAT'L:WJ2/SS400





ITEM: GUIDE BRG

DIM ': 0.D1200 imes I.D801 imes B283

MAT'L: WJ2/SC46

ITEM: UPPER GUIDE BRG

DIM ': 0.D900 imes 1.D560 imes 140

MAT'L:WJ2/SS400



DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

THERMAL POWER PLANT

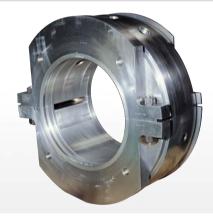




Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



ITEM: SHORTEND BRG' $\begin{array}{l} \text{DIM} : 0.0927 \times I.D534 \times H304 \\ \\ \text{MAT'L} : B21A14/B50A517B2 \end{array}$

ITEM: THRUST BRG' CASING

DIM ': 0.D901.7 × I.D431.8 × 323.8 (mm)

MAT 'L: B21A14 / B50A517B2





ITEM:LPBRG′

DIM': 0.D317 × I.D228 × B141

MAT'L: B21A14/SM400B

ITEM: THRUST BRG' RING

DIM: 0.D1231.9 × I.D901.7 × 304.8 (mm)

MAT'L: B21A14/B50A517B2





$$\label{eq:item:hpbrg} \begin{split} & \text{ITEM:H.PBRG}\,' \\ & \text{DIM}\,'\text{:}\,\text{0.D222}\,\times\,\text{I.D165}\,\times\,\text{B90} \\ & \text{MAT}\,\text{1.:B21A14}/\text{SM400B} \end{split}$$

ITEM: THRUST PLATE

DIM ': 0.D742.4 × 1.D457.2 × 38 (mm)

MAT 'L: B21A14/B11B17X



DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

THERMAL POWER PLANT





Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM

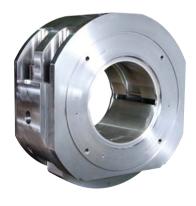


$$\label{eq:complex_bearing} \begin{split} & \text{ITEM}: \text{COMPLEX BEARING} \\ & \text{DIM}': \text{0.D1135.3} \times \text{I.D355} \times 340 \text{ (mm)} \\ & \text{MAT}'\text{L}: \text{TEGOV738} / \text{S25C} \end{split}$$

DIM ': 0.D864 \times 1.D376 \times H3

MAT 'L: B21A14/B50A517B2





$$\label{eq:tem:continuity} \begin{split} \text{ITEM}: & \text{JOURNAL BEARING} \\ \\ \text{DIM}': & \text{0.D1030} \times \text{I.D450} \times \text{475} \text{(mm)} \\ \\ \text{MAT}' & \text{L}: & \text{TEGOV738} / \text{C22+N} \end{split}$$

ITEM: BRG 'RING(MID)

DIM $^{\prime}$: 0.D1098 imes 1.D876 imes H263

MAT'L: B50A517B2





ITEM: JOURNAL BEARING

DIM ': 0.D940 × 1.D450 × 420 (mm)

MAT 'L: TEGOV738 / \$25C

ITEM: FRONT/REAR BEARING

DIM ': 0.D480 \times I.D356 \times 280 (mm)

MAT'L: WJ2/S25C



DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

NUCLEAR POWER PLANT





Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



ITEM: LINER BRG / & CASING ASS /Y

DIM': 0.D1295 imes I.D977 imes H581

MAT'L: B21A14 / B50A517B2





ITEM: BRG 'RING (INNER)

DIM ': 0.D1521 \times I.D1295 \times 330 (mm)

MAT'L:SS400





DIM ': 0.D820 imes 1.D480 imes H390

MAT 'L: B21A14 / B50A517B2



ITEM: BRG' RING(OUTER)

DIM ': 0.D 1720 \times I.D 1524 \times 341 (mm)

MAT'L:SS400



DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

GAS TURBINE







Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



 ITEM:7FH2 GEN. ENDSHIELD BRG $^\prime$ DIM $^\prime$: 0.D812.8 \times 1.D406.9 \times B273
MAT $^\prime$ L: B21A14/B50A517B2 (C2)





ITEM: GAS TURBINE LINER BRG' $\label{eq:dim'} \begin{tabular}{ll} DIM': 0.0360 \times ID255 \times 210 (mm) \\ \hline MAT'L: B21A14/B50A753 \\ \end{tabular}$

ITEM: BEARING METAL

DIM ': 0.D880 × 1.D406.9 × 280.5 (mm)

MAT'L: WJ2/SS400





ITEM: SPAPJT 16" JOURNAL BRG' ASS'Y

DIM': 0.D577 ×I.D406 ×T285

MAT'L: HOYT S172/CR-COPPER ALLOY/SS400

ITEM: HYD SEAL RING

DIM ': 0.D635 × 1.D559 × 21.8 (mm)

MAT'L: B21A14/B50A517B2



DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

COMPRESSOR





Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



ITEM: THRUST BEARING $\label{eq:dim:thrust} \begin{tabular}{ll} DIM': 0.D 248 \times I.D60 \times 64.5 (mm) \\ MAT'L: HOYTS172/S20C \\ \end{tabular}$

ITEM: TILTING PAD JOURNAL BRG' ASSY

DIM ': 0.D 86 × I.D 45 × B52.4

MAT'L: HOYTS172/SCM445H





$$\label{eq:item:np.shaftbrg'} \begin{split} \text{DIM}\, \text{``.} \text{0.D170} \times \text{I.D100} \times \text{B61} \\ \\ \text{MAT}\, \text{`L:WJ1/STKM} \end{split}$$

ITEM: OFFSET BEARING-L

DIM ': 0.D 106 \times I.D 44 \times B51.5

MAT'L: WJ1 / SM20C





ITEM: OFFSET BEARING-R $\label{eq:DIM} \mbox{DIM} \mbox{':} \mbox{0.D} \mbox{156} \times \mbox{I.D} \mbox{44.45} \times \mbox{44.9(mm)} \\ \mbox{MAT} \mbox{'L}: \mbox{HOYTS172/S20C}$

ITEM: THRUST METAL

DIM ': 0.D 280 \times I.D 181 \times B7

MAT'L:WJ2/S10C



DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

COMPRESSOR





Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



ITEM: COMPRESSOR TILTING PAD BRG'

DIM': 0.D 375 × I.D 90 × 68 (mm)

MAT'L:HOYT11R / LBC3 / S20C

TYPE: Ø 90 HALF

ITEM: COMPRESSOR TILTING PAD SLEEVE BRG'

DIM ': 0.D 177 \times I.D 100 \times 67 (mm)

MAT'L:HOYT11R/S20C

TYPE: 600HP, 900HP, 1250HP





ITEM: COMPRESSOR TILTING PAD BRG'

 $\textbf{DIM}^{\prime}\text{: 0.D 333.5}\times\text{I.D 90}\times\text{66 (mm)}$

MAT'L:H0YT11R / LBC3 / S20C

TYPE: Ø 90 RING

ITEM: COMPRESSOR TILTING PAD PINION BRG'

DIM ': 0.D 120 \times I.D 50 \times 30 (mm)

MAT'L:H0YTS172/SCM440

TYPE: 600HP, 900HP, 1250HP





ITEM: JOURNAL BEARING

DIM ': 0.D 173.98 × I.D 76.35 × 115 (mm)

MAT'L:HOYTS172/S20C



DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

CHEMICAL PLANT



CEMENT PLANT

Challenge for World Wide!

DYM new vision consist of development of technique and research. The Best Quality and Service They are promise with DYM



ITEM: CRANK PIN BRG 'SHELL

DIM': 0.D220 × 1.D210

MAT'L:KZ3

ITEM: BALL MILL BRG

DIM ': 0.D1733 imes I.D1371 imes B557

MAT'L: WJ2/SC410



ITEM: SLIDE SHOE BRG (AI-CU ALLOY LINING)

DIM ': R2750 imes T257

MAT'L: AMPCO-TRADE10



ITEM: MAIN BRG 'FOR COMPRESSOR

DIM': 0.D140 imes I.D110 imes B90

MAT 'L: HOYT S172 / SS400

ITEM: ROLLER BRG 'BUSH

DIM ': 0.D670 imes 1.D502 imes B625

MAT'L:LBC3







ITEM: THRUST PAD BRG' ASS' Y

DIM': 0.D181 imes I.D85 imes B88

MAT 'L: HOYT S172 / S45C, S20C

ITEM: KILN INTER-SHAFT BRG

DIM ': 0.D280 imes H550 imes B170

MAT'L:WJ2/FC25



25



DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

STEEL PLANT





Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



ITEM: STEADY REST BRG/

DIM $\dot{}$: 0.D1700 \times I.D1364 \times B180

MAT 'L: HOYT \$172 / \$\$400

ITEM: SLEEVE BRG

DIM ': 0.D985 × 1.D893.87 × 772 (mm)

MAT'L: SCM445





ITEM: PEDESTAL BRG

DIM': 0.D310 imes 1.D203 imes B203

MAT 'L: HOYT S172 / FCD45

ITEM: SHELL BRG

DIM ': 0.D1059 \times I.D985.8 \times 736 (mm)

MAT'L:WJ2/SS400





ITEM: SLEEVE BRG'

DIM ': 0.D1065 imes I.D961 imes B843

MAT 'L: SCM445

ITEM: SHELL BRG

DIM ': 0.D895 \times 1.D838 \times 711 (mm)

MAT'L:WJ2/SS400



27

Reduction Gear

DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

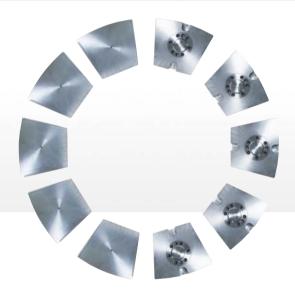




Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



$$\label{eq:limin} \begin{split} &\text{ITEM:THRUSTPAD} \\ &\text{DIM}\text{ $^{\cdot}$:W584} \times \text{H460} \times \text{ B135(mm)} \\ &\text{MAT}\text{ $^{\cdot}$L:WJ2/SS400} \end{split}$$

ITEM: BEARING-SHAFT #4

DIM ': 0.D190 × 1.D100 × 85 (mm)

MAT 'L: B21A14/S25C





 $\begin{array}{c} \textbf{ITEM:} \, \textbf{SLIDE} \, \textbf{BEARING} \\ \\ \textbf{DIM':} \, \textbf{0.D1120} \, \times \textbf{I.D980} \, \times \textbf{265} \, (\text{mm}) \\ \\ \textbf{MAT'L:} \, \textbf{WJ} \, \textbf{2/} \, \textbf{SS400} \end{array}$

ITEM: BEARING-PUMP GEAR **DIM** ': 0.D144.5 × l.D76.2 × 65 (mm) **MAT** 'L: B21A14 / S25C



Reduction Gear

DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

NAVY SHIP APPLICATION





Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



 $\begin{array}{c} \text{ITEM}: \text{THRUST PAD ASS} \text{'Y} \\ \\ \text{DIM'}: \text{0.D1080} \times \text{I.D644} \times \text{T68} \end{array}$

MAT 'L: TEGO V738 / CK15

ITEM: RADIAL BRG

DIM $'\!\!:\!0.\text{D436}\times\text{I.D314}\times\text{B203}$

MAT'L: TEGO V738 / CK15





ITEM: STEADY BRG/

 ${\rm DIM': I.D450 \times H990 \times V1098}$

MAT 'L: TEGO V738 / CK15



Marine Engine

DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.





Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM





ITEM: MAIN BRG 'SHELL & COVER ASS'Y (RT96C)

DIM $^{\prime}$: 0.D1080 imes 1.D990 imes B425

MAT'L:HOYT11R/SS400/GS38

ITEM: CRANK PIN BRG' SHELL (RT72)

DIM ': 0.D816 \times 1.D780.56 \times 305(mm)

MAT'L:HOYT11R/SS400





ITEM: BOTTOM END BRG (RN68)

DIM ': W745 imes H630 imes B240

MAT 'L: HOYT 11R / SS400

ITEM: BRG' SHELL (RT84C/84M)

DIM ': 0.D826 imes I.D790 imes 735 (mm)

MAT'L:HOYT11R/SS400





ITEM: GUIDE SHOE - MIDDLE ASS 'Y (RT96C)

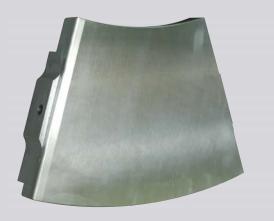
DIM $^{\prime}$: W820 imes H690 imes B135.5

MAT'L: HOYT 11R / SC410 (SHOE), FC250 (MIDDLE PART)

ITEM: THRUST PAD (RT58)

DIM $^{\prime}$: 0.D1320 imes H800 imes B66.5

MAT'L:H0YT11R/SS400



Marine Engine

DYM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.





Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



ITEM: CROSSHEAD BRG / CAP (S60MC-C)

DIM ': 0.D822 imes 1.D522 imes B508

MAT 'L: HM07 / FCD40

ITEM: GUIDE SHOE (35ME-B)

DIM ': W584 imes H380 imes B320

MAT'L: HM07 / FCD600(KP)





ITEM: MAIN BRG (VERTICAL PIN TYPE), (S70MC)

DIM ': 0.D878 imes 1.D802 imes B285

MAT'L: HM07 / SS400

ITEM: GUIDE DISC (80MC-C)

DIM ': 0.D410 \times 1.D350 \times 12 (mm)

MAT'L: HM07 / SS400





ITEM: SEGMENT ASS' Y (S80MC)

DIM': 0.D1900 \times I.D1390 \times T140

MAT'L: HM07 / FC300

ITEM: GUIDE DISC (50MC)

DIM ': 0.D398 imes 1.D342 imes 12(mm)

MAT'L:BC6



LNGC Turbine

DYIM makes the future with the challenge to a new world and unswerving R&D efforts. You shall be assured of our efforts for the world-highest precision and quality.

Turbo Charger





Challenge for World Wide!

DYM new vision consist of development of technique and research.

The Best Quality and Service They are promise with DYM



ITEM: 1ST PINION FORE & AFT BRG

DIM $\dot{}$: 0.D190 \times 1.D140 \times B90

MAT $\dot{}$ 1: H0YT S172 / SS400

ITEM: THRUST BEARING

DIM ': 0.D 120 \times I.D 55 \times 12.5 (mm)

MAT'L: HOYTS172(WJ2)/S20C





ITEM: R/G HP & LP 1ST WHEEL FORE & AFT BRG.

DIM ': 0.D 480 \times I.D 410.42 \times 200 (mm)

MAT'L: HOYTS172 / SS400

ITEM: THRUST BEARING

DIM ': 0.D 172 \times I.D 86 \times 12.4 (mm)

MAT'L: HOYTS172(WJ2) / S20C





ITEM: HP/LP TURBINE THRUST PAD

DIM ': 0.D 259 \times I.D 120 \times 29.8 (mm)

MAT'L:HOYTS172/BC3

ITEM: THRUST BEARING

DIM ': 0.D335 \times I.D 135 \times 29.5 (mm)

MAT'L: HOYTS172(WJ2)/S25C



Certificate

The company's first customers will be safe
We will go anywhere, anytime as required by the customers, maintaining the finest quality and world-leading technical prowess.



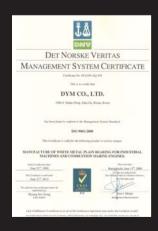
















The World Green Energy Supporter