



G-U Engineering Co., Ltd.

Your Trustworthy Partner!

Sales Agent of



BOSCH

· ZEXEL ·



MOTION & CONTROL
NSK

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"G·U Engineering Co., Ltd." -

We are GLOBAL TRADER –

supply spare parts for marine engines to the world.

We are a sales agent of -

BOSCH (Germany) | ZEXEL (Japan) | YPR (South Korea)

HANWHA (Korean sole agency of NTN Bearing) | NSK (Japan)

* Handling of spare parts **world wide fast.**

* Always **the best** products at reasonable price.



BOSCH

· ZEXEL ·



MOTION & CONTROL™
NSK

* BOSCH Nozzle for MAN B&W 4-Stroke *

Product	Nozzle
Engine Model	MAN B&W L23/30(A), L28/32A, L32/40(CD)
Brand (Maker)	BOSCH



• Distribution under **EXCLUSIVE SALES RIGHTS**

• Highly qualified products from **BOSCH**

• Released sealed with a TRANSPARENT PLASTIC SECURE CONTAINER

• INSPECTED THOROUGHLY under the standard (Warranty & Test Report available)

• Customers DON'T HAVE TO WORRY about low-quality



▼ **MAN B&W 23/30, 28/32, 32/40**
- Nozzle



* BOSCH Part's for Fuel Injection System *

Product	Nozzle, Plunger, Delivery Valve, Feed Pump Fuel Injection Pump & Etc.
Engine Model	MTU, SCANIA, BENZ Most of American, European Engines & Etc.
Brand (Maker)	BOSCH



► **SCANIA**
- Fuel Injection Valve



► **MTU 12V396**
- Plunger / Delivery Valve / Nozzle

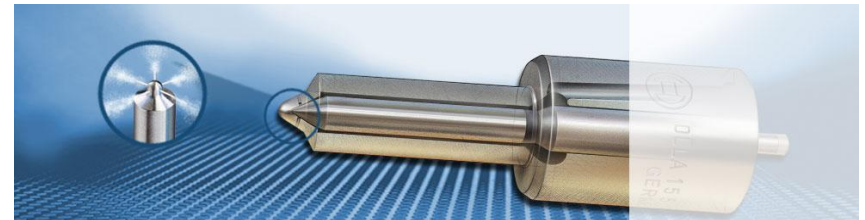


► **BENZ OM441**
- Fuel Injection Pump Ass'y

* ZEXEL Part's for Fuel Injection System *



Product	Nozzle Plunger Delivery Valve Feed Pump Fuel Injection Pump & Etc.
Engine Model	AKASAKA, NIIGATA, YANMAR, HANSHIN, DAIHATSU, MITSUBISHI, FUJI Most of Japanese Engines & Etc.
Brand (Maker)	ZEXEL (Japan)



* ZEXEL Part's for Fuel Injection System *



- **NIIGATA 6M28AFTE**
- Plunger / Delivery Valve / Nozzle



- ◀ **NIIGATA 6L16XC**
- Plunger / Delivery Valve / Nozzle

* Refrigeration Part's *

* Spare parts for Compressor

Maker	Engine Model	Item
HASEGAWA	VZM, VZL, VM & Etc.	Piston Ring, Cylinder Liner, Piston, Oil Pump Ass'y Crank Pin Metal, Mechanical Seal Part, Connecting Rod Suction & Discharge Valve, Needle Bearing & Etc.
MYCOM	A, B, SF(X, W) & Etc.	Piston Ring, Piston, Cylinder Liner, Suction & Discharge Valve Connecting Rod, Crank Pin Metal & Etc.

* SAGINOMIYA Part's

Item	Type
- Auto Expansion Valve	AEX-2341~5BH(Z) / AEX-2341~5BU(Z) / BHX-45050BHS & Etc
- Solenoid Valve	REV, SEV & Etc.
- Pressure Switch	High & Low type
	(SAGINOMIYA all items available)

* YPR - Cylinder Liner & Piston Rings *



Product	Engine Model	Remark
Cylinder Liner	MAN B&W 16/24, 21/32, 23/30, 27/38, 28/32, 32/40	GENUINE PART
Piston Ring	AKASAKA, NIIGATA, YANMAR, HANSHIN, DAIHATSU, MITSUBISHI, FUJI, Most of Japanese Engines & Etc. MAN B&W 23/30, 28/32 H-17/28, 21/32, 25/33, 32/40	GENUINE PART

► Cylinder Liner



► Piston Ring



* Bearing for Turbocharger *



We are

- a sales agent of Hanwha Group (Hanwha is a Korean sole agency of **NTN** bearing)
- a Korean sole agency of Turbocharger part's of **NSK**

Supply of **NTN** & **NSK** bearings for Napier turbochargers and VTR turbochargers



* NTN Bearing for Turbocharger *



Bearing Maker: NTN (Japan)

Turbocharger	Model
NAPIER	NHP15A,AL,AH
	NHP20A,AL,AH,AC
	NHP25A
	NHP30A
	NHP35A
	NHP40A
	NHP45A
	NHP50A
VTR	250/251
Etc	



* NSK Bearing for Turbocharger *



Bearing Maker: NSK (Japan)

Turbocharger	Model
VTR	160/161
	200/201
	320/321
	400/401
	500/501
Etc	

Bearing Maker: NSK (Japan)

Turbocharger	Series 4
VTR	214
	254
	354
	454
	564
Etc	

* MAN B&W 2-Stroke Part's *

- MAN B&W Low Speed 2-Stroke Engine Part's of supplier approved by **MAN Diesel & Turbo.**

(Complete & Components)

- Fuel Injection Pump
- HCU/HPS
- FUEL INJECTION VALVE
- STUFFING BOX

* Certificate of Approval by MAN Diesel & Turbo available.

* Various kinds of engine type and version can be covered. (26~98MC/ME All type)

* Parts List (Complete & Components) for MAN B&W 2-Stroke *

ITEM	MODEL	PARTS (DETAIL)	MAN Diesel & Turbo LICENSE
FUEL INJECTION PUMP	MC/MC-C ALL TYPE (35~98)	FUEL INJECTION PUMP ASS'Y BARREL COMP' SUCTION VALVE COMP' PUNCTURE VALVE COMP' TOP COVER COMP' / HOUSING COMP'	CLASSFICATION CLASSFICATION CLASSFICATION
HCU/HPS	ME/ME-C ME-B ALL TYPE (50~98)	FUEL OIL PRESSURE BOOSTER PLUNGER HOUSING PART STEP 1, STEP 2 OTHER PARTS	CLASSFICATION CLASSFICATION
FUEL INJECTION VALVE	MC/MC-C ME/ME-C ME-B ALL TYPE (35~98)	FUEL INJECTION VALVE ASS'Y ATOMIZER (NOZZLE) SPINDLE GUIDE COMP' NON-RETURN VALVE COMP' FUEL HEAD	CLASSFICATION CLASSFICATION
STUFFING BOX	MC/ME ALL TYPE (35~98)	HOUSING-STUFFING BOX BASE RING-SCRAPER RING SEGMENT-SEALING RING LAMELLA	

* MAN B&W 2-Stroke Part's *



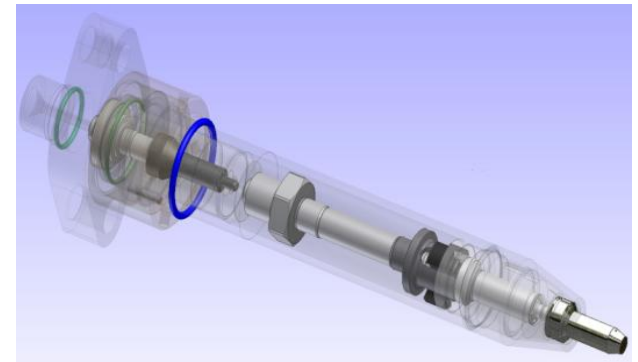
► **K80MC/MC-C**
- Fuel Pump Ass'y



► **S50ME/ME-C**
- HCU



► Stuffing Box



K98MC/MC-C ◀
- Fuel Injection Valve