| | | | |
|---|---|---|---|
| **CUSTOMER:** | **MHI** | **CUSTOMER ORDER REF:** | **161021IB-4 MHI** |
| **DISTRIBUTOR:** | **S & F INC** | **REDEX ORDER REF:** | **211253** |
| **DESIGNATION:** | **DRP3+R.31.4.H** | **SERIAL NUMBER:** | **899629** |
| **CODE:** | **RX128771-12** | **MOTOR FLANGE CODE:** | **RX129474-04** |

## Mechanical preload data

The preload torque of the gearbox in DUALDRIVE configuration depends on the application data and features of the gearbox.

The preload torque can be increased but must never exceed the maximum value indicated below.

**A too important preload torque reduces the efficiency and the life expectancy of the gearbox and the rack.**

| | |
|---|---|
| **Optimal preload torque Tp:** | **Following application** |
| **Maximum preload torque:** | **36,3 Nm** |

**For the installation, please refer to User Manual DRP (182/009)**

**SPECIFIC REMARKS:**

*** Accepted according the derogation RX8842 ***

Product images are for illustrative purposes only.

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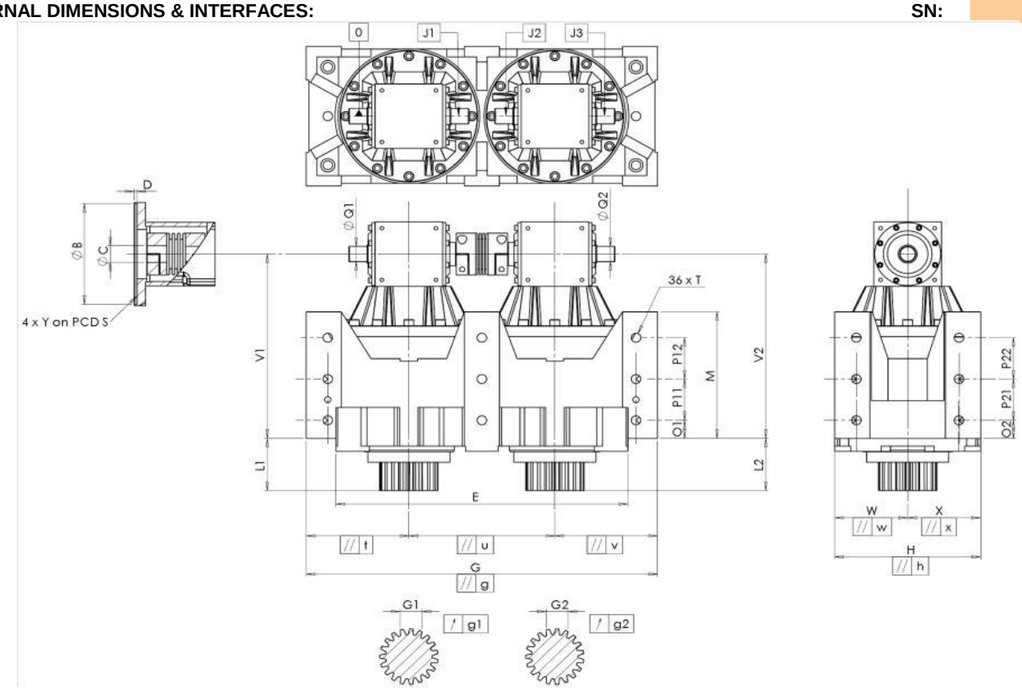
**EXTERNAL DIMENSIONS & INTERFACES:** **SN:** **899629**




General tolerance: Js13 | *Cmm* Automatic / manual coordinate-measuring machine | *µm* Micrometer | *Cr* Calliper rule | *Di* Dial indicator | *Pg* Plug gauge

| HOUSING requirement | | | | HOUSING measure | HOUSING requirement | | | | HOUSING measure | MOTOR FLANGE requirement | | | | MOTOR FLANGE measure |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | M4398 | | O1 | 35 | Cr | 35 | | | | | L4261 |
| | E | 540 | $^{0}_{-0,1}$ Cmm | 539,981 | | P11 | 80 | Cr | 80 | Ø | B | 114,3G7 $^{+0,047}_{+0,012}$ | µm | 114,33 |
| | G | 650 | $^{+0,2}_{-0,2}$ Cmm | 650,198 | | P12 | 80 | Cr | 80 | Ø | C | 35F7 $^{+0,05}_{+0,025}$ | µm | 35,05 |
| // | g | 0,045 | Cmm | 0,022 | | M | 245 | $^{+0,1}_{-0,1}$ Cmm | 245,011 | | D | 8 | Cr | 8 |
| // | t | 0,045 | Cmm | 0,002 | | O2 | 35 | Cr | 35 | Ø | S | 200 | Cr | 200,03 |
| // | u | 0,035 | Cmm | 0,006 | | P21 | 80 | Cr | 80 | Ø | Y | M12 | Pg | M12 |
| // | v | 0,045 | Cmm | 0,006 | | P22 | 80 | Cr | 80 | | | | | |
| | W | 135 | Cmm | 135 | Ø | T | M20 | Pg | M20 | | | | | |
| // | w | 0,035 | Cmm | 0,004 | | | | | | | | | | |
| | X | 135 | Cmm | 135,018 | | | | | | | | | | |
| // | x | 0,035 | Cmm | 0,004 | | | | | | | | | | |
| | H | 270 | $^{+0,04}_{-0,04}$ Cmm | 270,018 | | | | | | | | | | |
| // | h | 0,02 | Cmm | 0,01 | | | | | | | | | | |
| | V1 | 357 | Cmm | 357,198 | | | | | | | | | | |
| | L1 | 101 | Cmm | 100,908 | | | | | | | | | | |
| | V2 | 357 | Cmm | 357,306 | | | | | | | | | | |
| | L2 | 101 | Cmm | 100,878 | | | | | | | | | | |
| Ø | Q1 | 30 | $^{+0,009}_{-0,004}$ Cmm | 30,009 | | | | | | | | | | |
| Ø | Q2 | 30 | $^{+0,009}_{-0,004}$ Cmm | 30,007 | | | | | | | | | | |
| | J1 | /0 | µm | 0,01 | | | | | | | | | | |
| | J2 | /0 | µm | 0,03 | | | | | | | | | | |
| | J3 | /0 | µm | 0,025 | | | | | | | | | | |

| OUTPUT PINION | | | | |
|---|---|---|---|---|
| **Pinion 1** | | | | O1254 |
| **Span dimension over 3 teeth** | | | | |
| | G1 | 39,25 $^{0}_{-0,03}$ | Cmm | 39,23 |
| ↗ | g1 | 0,022 | Di | 0,005 |
| **Pinion 2** | | | | O1253 |
| **Span dimension over 3 teeth** | | | | |
| | G2 | 39,25 $^{0}_{-0,03}$ | Cmm | 39,235 |
| ↗ | g2 | 0,022 | Di | 0,01 |

| No-load input torque | |
|---|---|
| Line | 1,4 Nm |
| Line 2 | 1,1 Nm |

| | Line | Stiffness |
|---|---|---|
| Torsional stiffness (Nm/arcmin) | 1 | 473,03 |
| | 2 | 473,03 |
| Radial stiffness (N/µm) | 1 | 886 |
| | 2 | 914 |

| Noise level | |
|---|---|
| @1600 rpm input (dB(A)) | 73,5 * |

**Date:** 15/12/2016 **Visa:** J ONGANER

**Version:** A

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