

|              |                |                     |           |
|--------------|----------------|---------------------|-----------|
| CUSTOMER:    | HIGH ENERGY    | CUSTOMER ORDER REF: | RX113307T |
| DISTRIBUTOR: |                | REDEX ORDER REF:    | 219295    |
| DESIGNATION: | DRP2.R1.61.4.H | SERIAL NUMBER:      | 909165    |
| CODE:        | RX135386-32    | MOTOR FLANGE CODE:  |           |

### 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  $T_p$ :**

### Following application

**Maximum preload torque:**

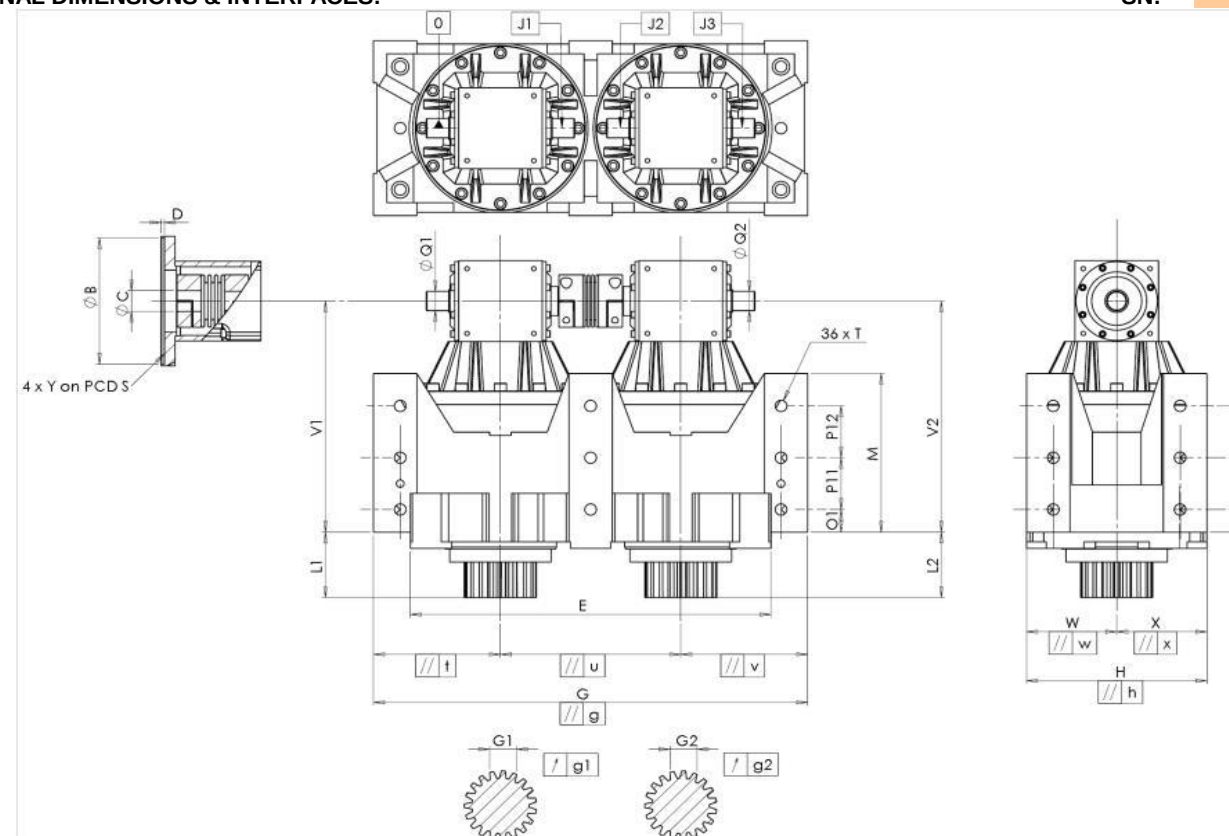
**6,7 Nm**

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

**SPECIFIC REMARKS:**

Product images are for illustrative purposes only.

EXTERNAL DIMENSIONS & INTERFACES: SN: 909165



|                         |            |                                                    |               |            |           |               |           |                |           |            |
|-------------------------|------------|----------------------------------------------------|---------------|------------|-----------|---------------|-----------|----------------|-----------|------------|
| General tolerance: Js13 | <i>Cmm</i> | Automatic / manual<br>coordinate-measuring machine | $\mu\text{m}$ | Micrometer | <i>Cr</i> | Calliper rule | <i>Di</i> | Dial indicator | <i>Pg</i> | Plug gauge |
|-------------------------|------------|----------------------------------------------------|---------------|------------|-----------|---------------|-----------|----------------|-----------|------------|

| HOUSING     |    |  |  |  | HOUSING                          |     |             |                             |  | MOTOR FLANGE |  |         |                              |                              |         |      |             |        |                              |     |       |                                    |    |  |  |  |                         |        |      |  |
|-------------|----|--|--|--|----------------------------------|-----|-------------|-----------------------------|--|--------------|--|---------|------------------------------|------------------------------|---------|------|-------------|--------|------------------------------|-----|-------|------------------------------------|----|--|--|--|-------------------------|--------|------|--|
| requirement |    |  |  |  | measure                          |     | requirement |                             |  |              |  | measure |                              | requirement                  |         |      |             |        | measure                      |     |       |                                    |    |  |  |  |                         |        |      |  |
|             |    |  |  |  | H217                             |     |             |                             |  |              |  |         |                              |                              |         |      |             |        | -                            |     |       |                                    |    |  |  |  |                         |        |      |  |
| E           |    |  |  |  | 460 <sup>0<br/>-0,05</sup>       | Cmm | 460         | O1                          |  |              |  |         | 30                           | Cr                           | 30      | Ø    |             |        |                              |     | B     |                                    | µm |  |  |  |                         |        |      |  |
| G           |    |  |  |  | 560 <sup>+0,1<br/>-0,1</sup>     | Cmm | 560,037     | P11                         |  |              |  |         | 75                           | Cr                           | 75      | Ø    |             |        |                              |     | C     |                                    | µm |  |  |  |                         |        |      |  |
| //          | g  |  |  |  | 0,045                            | Cmm | 0,041       | M                           |  |              |  |         | 210 <sup>+0,1<br/>-0,1</sup> | Cmm                          | 209,981 |      |             |        |                              |     | D     |                                    | Cr |  |  |  |                         |        |      |  |
| //          | t  |  |  |  | 0,045                            | Cmm | 0,003       | O2                          |  |              |  |         | 30                           | Cr                           | 30      | Ø    |             |        |                              |     | S     |                                    | Cr |  |  |  |                         |        |      |  |
| //          | u  |  |  |  | 0,03                             | Cmm | 0,008       | P21                         |  |              |  |         | 75                           | Cr                           | 75      | Ø    |             |        |                              |     | Y     |                                    | Pg |  |  |  |                         |        |      |  |
| //          | v  |  |  |  | 0,045                            | Cmm | 0,006       | P22                         |  |              |  |         | 75                           | Cr                           | 75      |      |             |        |                              |     |       |                                    |    |  |  |  |                         |        |      |  |
|             | W  |  |  |  | 115                              | Cmm | 115,007     | Ø                           |  |              |  |         | T                            | M16                          | Pg      |      |             |        |                              |     | M16   |                                    |    |  |  |  |                         |        |      |  |
| //          | w  |  |  |  | 0,03                             | Cmm | 0,008       | OUTPUT PINION               |  |              |  |         |                              |                              |         |      |             |        |                              |     |       |                                    |    |  |  |  |                         |        |      |  |
|             | X  |  |  |  | 115                              | Cmm | 114,989     |                             |  |              |  |         | Pinion 1                     |                              |         |      |             |        |                              |     | F5107 |                                    |    |  |  |  |                         |        |      |  |
| //          | x  |  |  |  | 0,03                             | Cmm | 0,008       | Span dimension over 4 teeth |  |              |  |         |                              |                              |         |      |             |        |                              |     |       |                                    |    |  |  |  |                         |        |      |  |
|             | H  |  |  |  | 230 <sup>+0,025<br/>-0,025</sup> | Cmm | 229,995     |                             |  |              |  |         |                              |                              |         |      |             |        |                              |     |       |                                    |    |  |  |  |                         |        |      |  |
| //          | h  |  |  |  | 0,02                             | Cmm | 0,013       | ↗                           |  |              |  |         | G1                           | 44,27 <sup>0<br/>-0,03</sup> | Cmm     |      |             |        |                              |     | 44,25 |                                    |    |  |  |  |                         |        |      |  |
|             | V1 |  |  |  | 298                              | Cmm | 298,288     |                             |  |              |  |         | g1                           | 0,022                        | Di      |      |             |        |                              |     | 0,01  |                                    |    |  |  |  |                         |        |      |  |
|             | L1 |  |  |  | 85                               | Cmm | 85,008      |                             |  |              |  |         | Pinion 2                     |                              |         |      |             |        |                              |     | F5104 | Torsional stiffness<br>(Nm/arcmin) |    |  |  |  | 1                       | 243,75 |      |  |
|             | V2 |  |  |  | 298                              | Cmm | 298,168     | Span dimension over 4 teeth |  |              |  |         |                              |                              |         |      |             |        |                              |     |       |                                    |    |  |  |  |                         |        |      |  |
|             | L2 |  |  |  | 85                               | Cmm | 84,919      |                             |  |              |  |         |                              |                              |         |      |             | G2     | 44,27 <sup>0<br/>-0,03</sup> | Cmm | 44,25 | Radial stiffness<br>(N/µm)         |    |  |  |  | 1                       | 658    |      |  |
| Ø           | Q1 |  |  |  | 25 <sup>+0,009<br/>-0,004</sup>  | Cmm | 25,002      | ↗                           |  |              |  |         | g2                           | 0,022                        | Di      | 0,01 | Noise level |        |                              |     |       |                                    |    |  |  |  | @1600 rpm input (dB(A)) |        | 73,5 |  |
| Ø           | Q2 |  |  |  | 25 <sup>+0,009<br/>-0,004</sup>  | Cmm | 25,005      | No-load input torque        |  |              |  |         |                              |                              |         |      |             |        |                              |     |       |                                    |    |  |  |  |                         |        |      |  |
|             | J1 |  |  |  | /0                               | Di  | 0,03        |                             |  |              |  |         | Line                         |                              |         |      |             | 0,8 Nm |                              |     |       |                                    |    |  |  |  |                         |        |      |  |
|             | J2 |  |  |  | /0                               | Di  | 0,02        |                             |  |              |  |         | Line 2                       |                              |         |      |             | 1 Nm   |                              |     |       |                                    |    |  |  |  |                         |        |      |  |
|             | J3 |  |  |  | /0                               | Di  | 0,02        |                             |  |              |  |         |                              |                              |         |      |             |        |                              |     |       |                                    |    |  |  |  |                         |        |      |  |

**Date:** 08/11/2024

**Visa:** C DE MIRANDA

Version: A