

| DRP               |                          | Page                                |
|-------------------|--------------------------|-------------------------------------|
| Performance sheet | RX183/005-B              | 1/2                                 |
| CUSTOMER:         | SPARK                    | CUSTOMER ORDER REF: GCN003473 SPARK |
| DISTRIBUTOR:      | SHANGHAI GUDEL AUTOMATIO | REDEX ORDER REF: 212617             |
| DESIGNATION:      | DRP4+R.91.4.H            | SERIAL NUMBER: 901641               |
| CODE:             | RX129047-33              | MOTOR FLANGE CODE: RX129551-01      |

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.

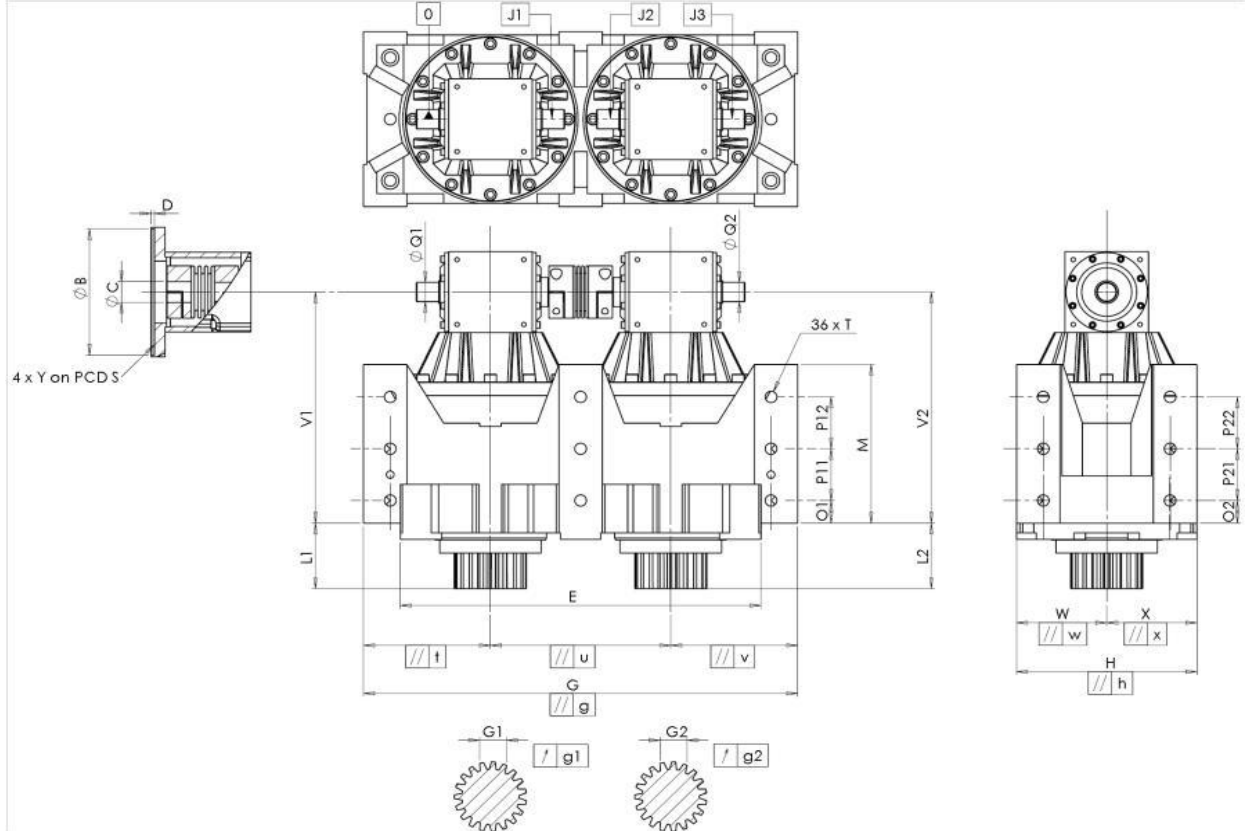
A too important preload torque reduces the efficiency and the life expectancy of the gearbox and the rack.

|                            |                       |
|----------------------------|-----------------------|
| Optimal preload torque Tp: | Following application |
| Maximum preload torque:    | 18,1 Nm               |

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

SPECIFIC REMARKS:

Product images are for illustrative purposes only.

| DRP                                                                                 |             | Page       |
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| Performance sheet                                                                   | RX183/005-B | 2/2        |
| EXTERNAL DIMENSIONS & INTERFACES:                                                   |             | SN: 901641 |
|  |             |            |

|                         |  |    |                                 |     |                                                    |                             |             |     |                              |              |         |                                    |               |             |    |                                  |       |         |            |  |
|-------------------------|--|----|---------------------------------|-----|----------------------------------------------------|-----------------------------|-------------|-----|------------------------------|--------------|---------|------------------------------------|---------------|-------------|----|----------------------------------|-------|---------|------------|--|
| General tolerance: Js13 |  |    |                                 | Cmm | Automatic / manual<br>coordinate-measuring machine |                             |             |     | µm                           | Micrometer   |         | Cr                                 | Calliper rule |             | Di | Dial indicator                   |       | Pg      | Plug gauge |  |
| HOUSING                 |  |    |                                 |     | HOUSING                                            |                             |             |     |                              | MOTOR FLANGE |         |                                    |               |             |    |                                  |       |         |            |  |
| requirement             |  |    |                                 |     | measure                                            |                             | requirement |     |                              |              |         | measure                            |               | requirement |    |                                  |       |         | measure    |  |
|                         |  |    |                                 |     | A8985                                              |                             |             |     |                              |              |         | 43                                 |               |             |    |                                  |       |         | A5578      |  |
|                         |  | E  | 640 <sup>0<br/>-0,1</sup>       | Cmm | 639.955                                            |                             |             | O1  | 43                           | Cr           | 43      |                                    |               | Ø           | B  | 180 <sup>+0,054<br/>+0,014</sup> | µm    | 180.033 |            |  |
|                         |  | G  | 800 <sup>+0,2<br/>-0,2</sup>    | Cmm | 799.977                                            |                             |             | P11 | 100                          | Cr           | 100     |                                    |               | Ø           | C  | 38 <sup>+0,05<br/>+0,025</sup>   | µm    | 38.05   |            |  |
| //                      |  | g  | 0,05                            | Cmm | 0.016                                              |                             |             | M   | 288 <sup>+0,1<br/>-0,1</sup> | Cmm          | 287.943 |                                    |               |             | D  | 8                                | Cr    | 8.11    |            |  |
| //                      |  | t  | 0,05                            | Cmm | 0.003                                              |                             |             | O2  | 43                           | Cr           | 43      |                                    |               | Ø           | S  | 215                              | Cr    | 215     |            |  |
| //                      |  | u  | 0,035                           | Cmm | 0.006                                              |                             |             | P21 | 100                          | Cr           | 100     |                                    |               | Ø           | Y  | M12                              | Pg    | M12     |            |  |
| //                      |  | v  | 0,05                            | Cmm | 0.001                                              |                             |             | P22 | 100                          | Cr           | 100     |                                    |               |             |    |                                  |       |         |            |  |
|                         |  | W  | 160                             | Cmm | 160.008                                            |                             | Ø           | T   | M24                          | Pg           | M24     |                                    |               |             |    |                                  |       |         |            |  |
| //                      |  | w  | 0,04                            | Cmm | 0.001                                              | OUTPUT PINION               |             |     |                              |              |         |                                    |               |             |    |                                  |       |         |            |  |
|                         |  | X  | 160                             | Cmm | 160.003                                            | Pinion 1                    |             |     |                              |              | N1936   |                                    |               |             |    |                                  |       |         |            |  |
| //                      |  | x  | 0,04                            | Cmm | 0.001                                              | Span dimension over 3 teeth |             |     |                              |              |         |                                    |               |             |    |                                  |       |         |            |  |
|                         |  | H  | 320 <sup>+0,04<br/>-0,04</sup>  | Cmm | 320.011                                            |                             |             | G1  | 46,9 <sup>0<br/>-0,03</sup>  | Cmm          | 46.88   |                                    |               |             |    |                                  |       |         |            |  |
| //                      |  | h  | 0,02                            | Cmm | 0.02                                               |                             | ↗           | g1  | 0,022                        | Di           | 0.01    |                                    |               |             |    |                                  |       |         |            |  |
|                         |  | V1 | 435                             | Cmm | 435.184                                            | Pinion 2                    |             |     |                              |              |         |                                    |               |             |    |                                  | N1934 |         |            |  |
|                         |  | L1 | 120                             | Cmm | 120.23                                             | Span dimension over 3 teeth |             |     |                              |              |         |                                    |               |             |    |                                  |       |         |            |  |
|                         |  | V2 | 435                             | Cmm | 435.084                                            |                             |             | G2  | 46,9 <sup>0<br/>-0,03</sup>  | Cmm          | 46.88   |                                    |               |             |    |                                  |       |         |            |  |
|                         |  | L2 | 120                             | Cmm | 120.309                                            |                             | ↗           | g2  | 0,022                        | Di           | 0.005   | Torsional stiffness<br>(Nm/arcmin) |               |             |    |                                  | 1     | 745,99  |            |  |
|                         |  |    |                                 |     |                                                    |                             |             |     |                              |              |         |                                    |               |             |    |                                  | 2     | 745,99  |            |  |
|                         |  |    |                                 |     |                                                    |                             |             |     |                              |              |         | Radial stiffness<br>(N/µm)         |               |             |    |                                  | 1     | 1073    |            |  |
|                         |  |    |                                 |     |                                                    |                             |             |     |                              |              |         |                                    |               |             |    |                                  | 2     | 1175    |            |  |
| Ø                       |  | Q1 | 35 <sup>+0,011<br/>-0,005</sup> | Cmm | 35                                                 | No-load input torque        |             |     |                              |              |         | Noise level                        |               |             |    |                                  |       |         |            |  |
| Ø                       |  | Q2 | 35 <sup>+0,011<br/>-0,005</sup> | Cmm | 35                                                 |                             |             |     |                              |              |         | @1300 rpm input (dB(A))            |               |             |    |                                  | 71.5  |         |            |  |
|                         |  | J1 | /0                              | µm  | 0.02                                               | Line                        |             |     |                              |              |         | 2,5 Nm                             |               |             |    |                                  |       |         |            |  |
|                         |  | J2 | /0                              | µm  | 0.05                                               | Line 2                      |             |     |                              |              |         | 2,5 Nm                             |               |             |    |                                  |       |         |            |  |
|                         |  | J3 | /0                              | µm  | 0.04                                               |                             |             |     |                              |              |         |                                    |               |             |    |                                  |       |         |            |  |

Date: 13/04/2018      Visa: C DE MIRANDA

Version: A