

| DRP               |                          | Page                                     |
|-------------------|--------------------------|------------------------------------------|
| Performance sheet | RX183/005-B              | 1/2                                      |
| CUSTOMER:         | SPARK                    | CUSTOMER ORDER REF: RXCN2021022507 SPARK |
| DISTRIBUTOR:      | REDEX SHANGHAI REPAIRING | REDEX ORDER REF: 215802                  |
| DESIGNATION:      | DRP3+R.91.4.H            | SERIAL NUMBER: 905230                    |
| CODE:             | RX128771-33              | 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:    | 10 Nm                 |

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

SPECIFIC REMARKS:

Product images are for illustrative purposes only.

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| Performance sheet                 | RX183/005-B | 2/2        |
| EXTERNAL DIMENSIONS & INTERFACES: |             | SN: 905230 |
|                                   |             |            |

|                         |  |    |                                        |     |                                                    |                             |             |                             |                                     |              |         |             |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
|-------------------------|--|----|----------------------------------------|-----|----------------------------------------------------|-----------------------------|-------------|-----------------------------|-------------------------------------|--------------|---------|-------------|---------------|-------------------------|----------------------------|-------------------------------------------|-----|---------|------------|--|--|------------------------------------|--------|-----------|
| 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    |  |  |                                    |        |           |
|                         |  |    |                                        |     | D2716                                              |                             |             |                             |                                     |              |         | O1          |               | 35                      | Cr                         | 35                                        |     |         |            |  |  |                                    | B6540  |           |
|                         |  | E  | 540 <sup>0</sup> <sub>-0,1</sub>       | Cmm | 539,999                                            |                             |             | P11                         | 80                                  | Cr           | 80      |             |               | Ø                       | B                          | 114,3 <sup>+0,047</sup> <sub>+0,012</sub> | µm  | 114,325 |            |  |  |                                    |        |           |
|                         |  | G  | 650 <sup>+0,2</sup> <sub>-0,2</sub>    | Cmm | 650,029                                            |                             |             | P12                         | 80                                  | Cr           | 80      |             |               | Ø                       | C                          | 35 <sup>+0,05</sup> <sub>+0,025</sub>     | µm  | 35,035  |            |  |  |                                    |        |           |
| //                      |  | g  | 0,045                                  | Cmm | 0,017                                              |                             |             | M                           | 245 <sup>+0,1</sup> <sub>-0,1</sub> | Cmm          | 244,996 |             |               |                         | D                          | 8                                         | Cr  | 8       |            |  |  |                                    |        |           |
| //                      |  | t  | 0,045                                  | Cmm | 0,007                                              |                             |             | O2                          | 35                                  | Cr           | 35      |             |               | Ø                       | S                          | 200                                       | Cr  | 200     |            |  |  |                                    |        |           |
| //                      |  | u  | 0,035                                  | Cmm | 0,015                                              |                             |             | P21                         | 80                                  | Cr           | 80      |             |               | Ø                       | Y                          | M12                                       | Pg  | M12     |            |  |  |                                    |        |           |
| //                      |  | v  | 0,045                                  | Cmm | 0,009                                              |                             |             | P22                         | 80                                  | Cr           | 80      |             |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
|                         |  | W  | 135                                    | Cmm | 135,002                                            |                             | Ø           | T                           | M20                                 | Pg           | M20     |             |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
| //                      |  | w  | 0,035                                  | Cmm | 0,002                                              | OUTPUT PINION               |             |                             |                                     |              |         |             |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
|                         |  | X  | 135                                    | Cmm | 135,003                                            |                             | Pinion 1    |                             |                                     |              | J225    |             |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
| //                      |  | x  | 0,035                                  | Cmm | 0,005                                              | Span dimension over 3 teeth |             |                             |                                     |              |         |             |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
|                         |  | H  | 270 <sup>+0,04</sup> <sub>-0,04</sub>  | Cmm | 270,006                                            |                             |             | G1                          | 39,25 <sup>0</sup> <sub>-0,03</sub> | Cmm          | 39,235  |             |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
| //                      |  | h  | 0,02                                   | Cmm | 0,02                                               |                             | ↗           | g1                          | 0,022                               | Di           | 0,015   |             |               |                         |                            |                                           |     |         |            |  |  |                                    | Line   | Stiffness |
|                         |  | V1 | 357                                    | Cmm | 357,137                                            |                             |             | Pinion 2                    |                                     |              |         | J221        |               |                         |                            |                                           |     |         |            |  |  | Torsional stiffness<br>(Nm/arcmin) | 1      | 473,03    |
|                         |  | L1 | 101                                    | Cmm | 101,189                                            |                             |             | Span dimension over 3 teeth |                                     |              |         |             |               |                         |                            |                                           |     |         |            |  |  | 2                                  | 473,03 |           |
|                         |  | V2 | 357                                    | Cmm | 357,162                                            |                             |             | No-load input torque        |                                     |              |         |             |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
|                         |  | L2 | 101                                    | Cmm | 101,145                                            |                             |             | G2                          | 39,25 <sup>0</sup> <sub>-0,03</sub> | Cmm          | 39,23   |             |               |                         | Radial stiffness<br>(N/µm) | 1                                         | 983 |         |            |  |  |                                    |        |           |
| Ø                       |  | Q1 | 30 <sup>+0,009</sup> <sub>-0,004</sub> | Cmm | 30,007                                             |                             | ↗           | g2                          | 0,022                               | Di           | 0,01    |             |               |                         | 2                          | 1105                                      |     |         |            |  |  |                                    |        |           |
| Ø                       |  | Q2 | 30 <sup>+0,009</sup> <sub>-0,004</sub> | Cmm | 30,006                                             | No-load input torque        |             |                             |                                     |              |         | Noise level |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
|                         |  | J1 | /0                                     | Di  | -0,04                                              | Line                        |             |                             |                                     |              |         | 0,8 Nm      |               | @1600 rpm input (dB(A)) |                            |                                           |     | 70,0    |            |  |  |                                    |        |           |
|                         |  | J2 | /0                                     | Di  | -0,01                                              | Line 2                      |             |                             |                                     |              |         | 0,7 Nm      |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |
|                         |  | J3 | /0                                     | Di  | -0,04                                              |                             |             |                             |                                     |              |         |             |               |                         |                            |                                           |     |         |            |  |  |                                    |        |           |

Date: 14/06/2021

Visa: C DE MIRANDA

Version: A

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