

DRP

Performance sheet

RX183/005-B

Page1/2

CUSTOMER:SPARK

CUSTOMER ORDER REF:*RXCN2024020711 SPARK

DISTRIBUTOR:REDEX SHANGHAI REPAIRING

REDEX ORDER REF:219001

DESIGNATION:DRP3.R1.91.4.H

SERIAL NUMBER:908830

CODE:RX135482-33

MOTOR FLANGE CODE:RX129474-03

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:

Maximum preload torque:

Following application

10 Nm

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

SPECIFIC REMARKS:

Product images are for illustrative purposes only.

REDEX

1, Rue Paul De Fontenay
F- 45210 FERRIERES
www.redex-group.com

Tel: +33 2 38 94 42 00
Fax: +33 2 38 94 42 99
Email: info@redex-group.com

DRP

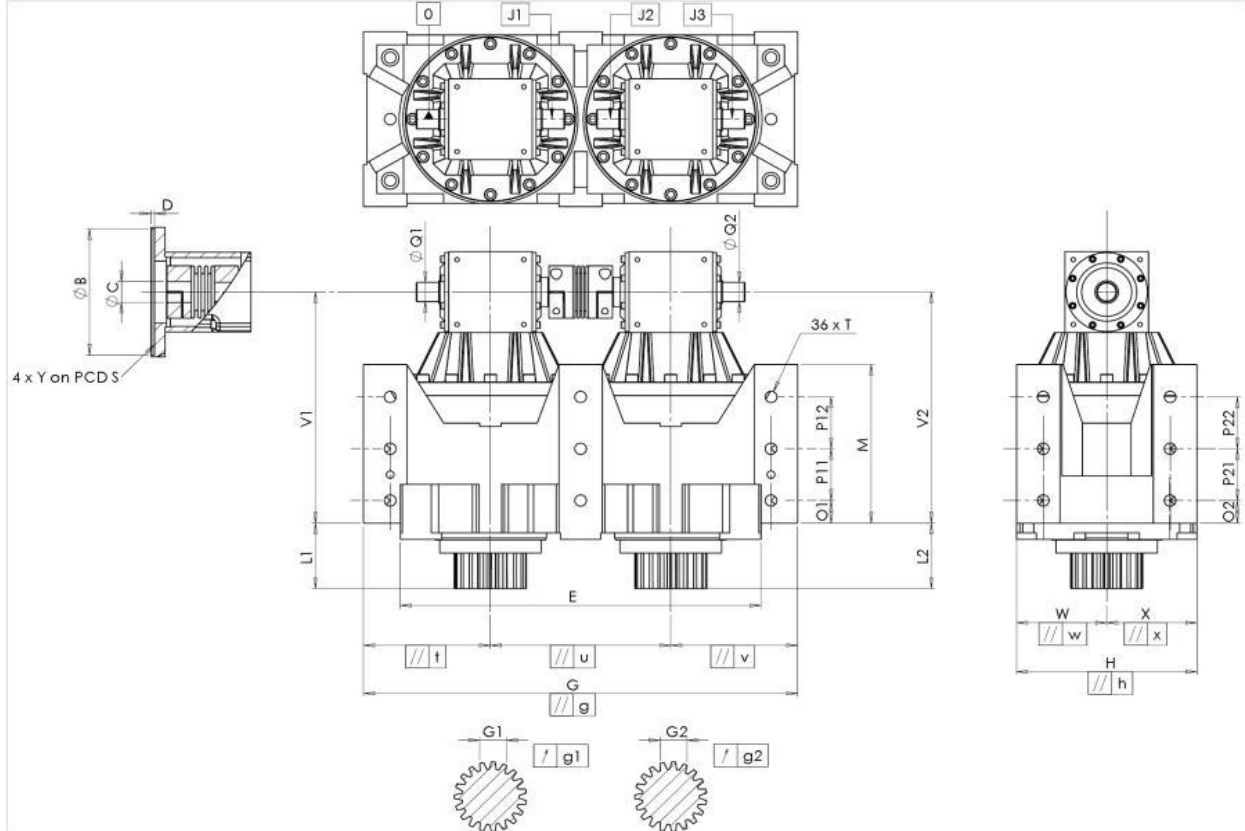
Performance sheet

RX183/005-B

Page2/2

EXTERNAL DIMENSIONS & INTERFACES:

SN:908830



General tolerance: Js13

Cmm

Automatic / manual coordinate-measuring machine

µm

Micrometer

Cr

Calliper rule

Di

Dial indicator

Pg

Plug gauge

HOUSING				HOUSING				MOTOR FLANGE									
requirement				measure				requirement				measure					
				G440								G4500					
	E	540	⁰ _{-0,1}	Cmm	539,966		O1	35	Cr	35		Ø	B	180	^{+0,054} _{+0,014}	µm	180,023
	G	650	^{+0,2} _{-0,2}	Cmm	649,954		P11	80	Cr	80		Ø	C	38	^{+0,05} _{+0,025}	µm	38,04
//	g	0,045		Cmm	0,016		M	245	^{+0,1} _{-0,1}	Cmm	244,974		D	8		Cr	8,09
//	t	0,045		Cmm	0,005		O2	35	Cr	35		Ø	S	215		Cr	215
//	u	0,035		Cmm	0,006		P21	80	Cr	80		Ø	Y	M12		Pg	M12
//	v	0,045		Cmm	0,001		P22	80	Cr	80							
	W	135		Cmm	135,021		Ø	T	M20	Pg	M20						
//	w	0,035		Cmm	0,005		OUTPUT PINION										
	X	135		Cmm	134,999		Pinion 1				F5258						
//	x	0,035		Cmm	0,005		Span dimension over 3 teeth										
	H	270	^{+0,04} _{-0,04}	Cmm	270,019		G1	39,25	⁰ _{-0,03}	Cmm	39,225						
//	h	0,02		Cmm	0,006		g1	0,022		Di	0,02						
	V1	357		Cmm	356,922		Pinion 2				F5240						
	L1	101		Cmm	101,074		Span dimension over 3 teeth										
	V2	357		Cmm	357,025		G2	39,25	⁰ _{-0,03}	Cmm	39,22						
	L2	101		Cmm	101,128		g2	0,022		Di	0,02						
Ø	Q1	30	^{+0,009} _{-0,004}	Cmm	30,005		No-load input torque										
Ø	Q2	30	^{+0,009} _{-0,004}	Cmm	29,998		Line				0,8 Nm						
	J1		/0	Di	0		Line 2				0,8 Nm						
	J2		/0	Di	0,01												
	J3		/0	Di	-0,01												

Date:19/07/2024

Visa:P.Vaslier

Version:A

Torsional stiffness (Nm/arcmin)

Radial stiffness (N/µm)

Noise level

@1600 rpm input (dB(A))

Line

Stiffness

473,03

473,03

977

1109

72,5

REDEX

1, Rue Paul De Fontenay
F- 45210 FERRIERES
www.redex-group.com

Tel: +33 2 38 94 42 00
Fax: +33 2 38 94 42 99
Email: info@redex-group.com