

DRP

Performance sheet

RX183/005-B

Page1/2

CUSTOMER:

MAXIS MOTION

CUSTOMER ORDER REF:

*MM/MECH/24-25/346 MAXIS MO

DISTRIBUTOR:

REDEX ORDER REF:

219279

DESIGNATION:

DRP3.R1.31.4.S

SERIAL NUMBER:

909106

CODE:

RX136130-12

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

36,3 Nm

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

SPECIFIC REMARKS:

Product images are for illustrative purposes only.



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: 909106

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		requirement					measure		
					G4755							35							G4498		
	E	540	⁰ _{-0,1}	Cmm	539,991		O1	35	Cr	35		Ø	B	180	^{+0,054} _{+0,014}	µm	180,025				
	G	650	^{+0,2} _{-0,2}	Cmm	650,074		P11	80	Cr	80		Ø	C	38	^{+0,05} _{+0,025}	µm	38,03				
//	g	0,045		Cmm	0,045		M	245	^{+0,1} _{-0,1}	Cmm	245,009		D	8		Cr	8,08				
//	t	0,045		Cmm	0,002		O2	35	Cr	35		Ø	S	215		Cr	215				
//	u	0,035		Cmm	0,005		P21	80	Cr	80		Ø	Y	M12		Pg	M12				
//	v	0,045		Cmm	0,001		P22	80	Cr	80											
	W	135		Cmm	135,001	Ø	T	M20	Pg	M20											
//	w	0,035		Cmm	0,008	OUTPUT PINION															
	X	135		Cmm	135,023	Pinion 1												G7026			
//	x	0,035		Cmm	0,006	Span dimension over 3 teeth															
	H	270	^{+0,04} _{-0,04}	Cmm	270,024		G1	39,25	⁰ _{-0,03}	Cmm								39,24			
//	h	0,02		Cmm	0,016	↗	g1	0,022	Di	0,01										Line	Stiffness
	V1	357		Cmm	357,177	Pinion 2												G7024			
	L1	101		Cmm	101,011	Span dimension over 3 teeth															
	V2	357		Cmm	357,095		G2	39,25	⁰ _{-0,03}	Cmm								39,24			
	L2	101		Cmm	101,005	↗	g2	0,022	Di	0,01								Torsional stiffness (Nm/arcmin)		1	473,03
																				2	473,03
Ø	Q1	30	^{+0,009} _{-0,004}	Cmm	30,002	No-load input torque															
Ø	Q2	30	^{+0,009} _{-0,004}	Cmm	29,996	Line												0,8 Nm			
	J1	/0	Di	0,01	Line 2					0,8 Nm											
	J2	/0	Di	0,02																	
	J3	/0	Di	0,02								@1600 rpm input (dB(A))							74,0		

Date: 26/11/2024

Visa: C DE MIRANDA

Version: A



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