

DRP

Performance sheet

RX183/005-B

Page1/2

CUSTOMER:

STROJIRNA TYC S.R.O

CUSTOMER ORDER REF:

191280 TYC

DISTRIBUTOR:

REDEX ORDER REF:

214625

DESIGNATION:

DRP3+R.31.4.H

SERIAL NUMBER:

904140

CODE:

RX128771-12

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:	Following application
Maximum preload torque:	36,3 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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Page2/2

EXTERNAL DIMENSIONS & INTERFACES:

SN:

904140

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		
					B11963											A4403		
	E	540 ⁰ _{-0,1}	Cmm	539,962		O1	35	Cr	35			Ø	B	180 ^{+0,054} _{+0,014}	µm	180,025		
	G	650 ^{+0,2} _{-0,2}	Cmm	650,019		P11	80	Cr	80			Ø	C	38 ^{+0,05} _{+0,025}	µm	38,05		
//	g	0,045	Cmm	0,012		M	245 ^{+0,1} _{-0,1}	Cmm	245,04				D	8	Cr	8,08		
//	t	0,045	Cmm	0,002		O2	35	Cr	35			Ø	S	215	Cr	215		
//	u	0,035	Cmm	0,006		P21	80	Cr	80			Ø	Y	M12	Pg	M12		
//	v	0,045	Cmm	0,005		P22	80	Cr	80									
	W	135	Cmm	134,998	Ø	T	M20	Pg	M20									
//	w	0,035	Cmm	0,006	OUTPUT PINION													
	X	135	Cmm	135,004	Pinion 1				L2690									
//	x	0,035	Cmm	0,009	Span dimension over 3 teeth													
	H	270 ^{+0,04} _{-0,04}	Cmm	270,002		G1	39,25 ⁰ _{-0,03}	Cmm	39,24									
//	h	0,02	Cmm	0,02	↗	g1	0,022	Di	0,02						Line		Stiffness	
	V1	357	Cmm	357,24	Pinion 2										L3871			
	L1	101	Cmm	101,134	Span dimension over 3 teeth					Torsional stiffness (Nm/arcmin)		1	473,03					
	V2	357	Cmm	357,228						Radial stiffness (N/µm)		2	473,03					
	L2	101	Cmm	101,396		G2	39,25 ⁰ _{-0,03}	Cmm	39,235			1	1049					
Ø	Q1	30 ^{+0,009} _{-0,004}	Cmm	30,004	↗	g2	0,022	Di	0,02	2		949						
Ø	Q2	30 ^{+0,009} _{-0,004}	Cmm	30,001	No-load input torque							Noise level						
	J1	/0	µm	0,02	Line					1 Nm		@1600 rpm input (dB(A))		66,5				
	J2	/0	µm	0,03	Line 2					1 Nm								
	J3	/0	µm	0,04														

Date: 27/01/2020

Visa: C DE MIRANDA

Version: A