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CUSTOMER:	SPARK	CUSTOMER ORDER REF: RXCN2020121166_IO SPARK
DISTRIBUTOR:	REDEX SHANGHAI REPAIRING	REDEX ORDER REF: 215610
DESIGNATION:	DRP3+R.91.4.H	SERIAL NUMBER: 904993
CODE:	RX128771-33	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:	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.

REDEX

ZI-BP79
F45210 FERRIERES
www.redex.fr

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

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EXTERNAL DIMENSIONS & INTERFACES:		SN: 904993

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	
					D916														D425	
	E	540	⁰ _{-0,1}	Cmm	539,934		O1	35	Cr	35		Ø	B	180	^{+0,054} _{+0,014}	µm	180,03			
	G	650	^{+0,2} _{-0,2}	Cmm	649,905		P11	80	Cr	80		Ø	C	38	^{+0,05} _{+0,025}	µm	38,05			
//	g	0,045		Cmm	0,016		M	245	^{+0,1} _{-0,1}	Cmm	245,005		D	8		Cr	8,09			
//	t	0,045		Cmm	0,003		O2	35	Cr	35		Ø	S	215		Cr	215			
//	u	0,035		Cmm	0,008		P21	80	Cr	80		Ø	Y	M12		Pg	M12			
//	v	0,045		Cmm	0,003		P22	80	Cr	80										
	W	135		Cmm	134,973	Ø	T	M20	Pg	M20										
//	w	0,035		Cmm	0,007	OUTPUT PINION														
	X	135		Cmm	135,034	Pinion 1				J200										
//	x	0,035		Cmm	0,006	Span dimension over 3 teeth														
	H	270	^{+0,04} _{-0,04}	Cmm	270,008		G1	39,25	⁰ _{-0,03}	Cmm	39,235				Line		Stiffness			
//	h	0,02		Cmm	0,009	↗	g1	0,022	Di	0,02										
	V1	357		Cmm	357,234						Torsional stiffness (Nm/arcmin)		1		473,03					
	L1	101		Cmm	101,142	Pinion 2											J58			
	V2	357		Cmm	357,241	Span dimension over 3 teeth					Radial stiffness (N/µm)		1		911					
	L2	101		Cmm	100,997		G2	39,25	⁰ _{-0,03}	Cmm							39,235	2		974
Ø	Q1	30	^{+0,009} _{-0,004}	Cmm	30,005	↗	g2	0,022	Di	0,02										
Ø	Q2	30	^{+0,009} _{-0,004}	Cmm	30,005	No-load input torque					Noise level									
	J1	/0	Di	0,01	Line					1 Nm		@1600 rpm input (dB(A))					69,0			
	J2	/0	Di	0,01	Line 2					1 Nm										
	J3	/0	Di	0,02																

Date: 16/03/2021

Visa: C DE MIRANDA

Version: A

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