

CUSTOMER:	SPARK	CUSTOMER ORDER REF:	RXCN20200928088 SPARK
DISTRIBUTOR:	REDEX SHANGHAI REPAIRING	REDEX ORDER REF:	215440
DESIGNATION:	DRP3+R.91.4.H	SERIAL NUMBER:	904808
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 T_p :

Following application

Maximum preload torque:

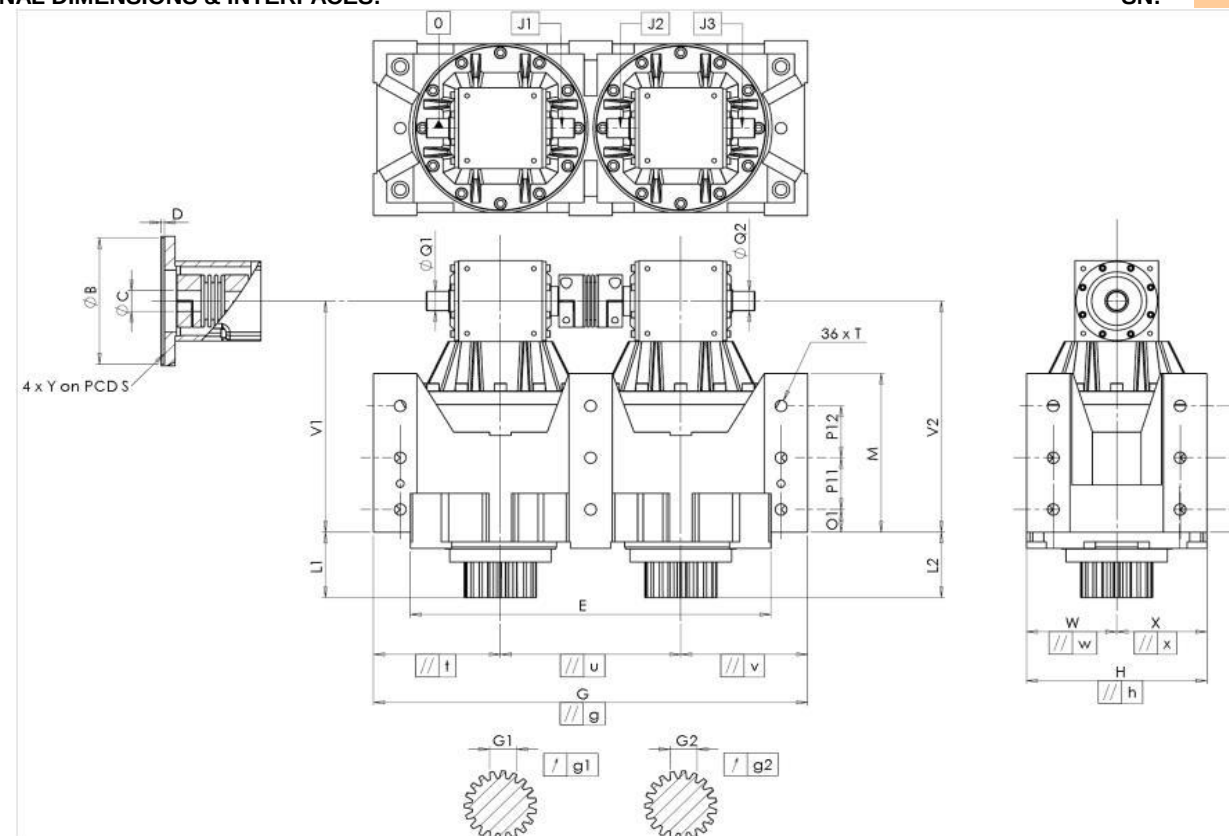
10 Nm

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

SPECIFIC REMARKS:

Product images are for illustrative purposes only.

EXTERNAL DIMENSIONS & INTERFACES: SN: 904808



General tolerance: Js13	<i>Cmm</i>	Automatic / manual coordinate-measuring machine	μm	Micrometer	<i>Cr</i>	Calliper rule	<i>Di</i>	Dial indicator	<i>Pg</i>	Plug gauge
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HOUSING					HOUSING					MOTOR FLANGE									
requirement					measure		requirement					measure							
					D911							D415							
	E	540 ⁰ _{-0,1}	Cmm	539,96		O1	35	Cr	35		Ø	B	180 ^{+0,054} _{+0,014}	µm	180,025				
	G	650 ^{+0,2} _{-0,2}	Cmm	650,046		P12	80	Cr	80		Ø	C	38 ^{+0,05} _{+0,025}	µm	38,05				
//	g	0,045	Cmm	0,026		M	245 ^{+0,1} _{-0,1}	Cmm	244,999			D	8	Cr	8,09				
//	t	0,045	Cmm	0,001		O2	35	Cr	35		Ø	S	215	Cr	215				
//	u	0,035	Cmm	0,003		P21	80	Cr	80		Ø	Y	M12	Pg	M12				
//	v	0,045	Cmm	0,004		P22	80	Cr	80										
	W	135	Cmm	135,006	Ø	T	M20	Pg	M20										
//	w	0,035	Cmm	0,003	OUTPUT PINION														
	X	135	Cmm	134,999	Pinion 1			K2446											
//	x	0,035	Cmm	0,005	Span dimension over 3 teeth														
	H	270 ^{+0,04} _{-0,04}	Cmm	270,005		G1	39,25 ⁰ _{-0,03}	Cmm	39,235									Line	Stiffness
//	h	0,02	Cmm	0,012	↗	g1	0,022	Di	0,005							Torsional stiffness (Nm/arcmin)		1	473,03
	V1	357	Cmm	357,167	Pinion 2			K2450										2	473,03
	L1	101	Cmm	101,068	Span dimension over 3 teeth											Radial stiffness (N/µm)		1	893
	V2	357	Cmm	357,245		G2	39,25 ⁰ _{-0,03}	Cmm	39,23									2	1097
	L2	101	Cmm	101,127	↗	g2	0,022	Di	0,01	Noise level									
Ø	Q1	30 ^{+0,009} _{-0,004}	Cmm	30,006	No-load input torque					@1600 rpm input (dB(A))		68,5							
Ø	Q2	30 ^{+0,009} _{-0,004}	Cmm	30,002	Line			0,5 Nm											
	J1	/0	Di	0,01	Line 2			0,6 Nm											
	J2	/0	Di	-0,03															
	J3	/0	Di	-0,02															

Date: 07/12/2020

Visa: P VASLIER

Version: A