

CUSTOMER: SPARK CUSTOMER ORDER REF: \*RXCN2023021007 SPARK  
 DISTRIBUTOR: REDEX SHANGHAI REPAIRING REDEX ORDER REF: 217632  
 DESIGNATION: DRP4+R.91.4.H SERIAL NUMBER: 907671  
 CODE: RX129047-33 MOTOR FLANGE CODE: RX129551-03

**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:	18,1 Nm

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

**SPECIFIC REMARKS:**

<sup>(1)</sup>Accepted according to Redex derogation DERO RX13209.

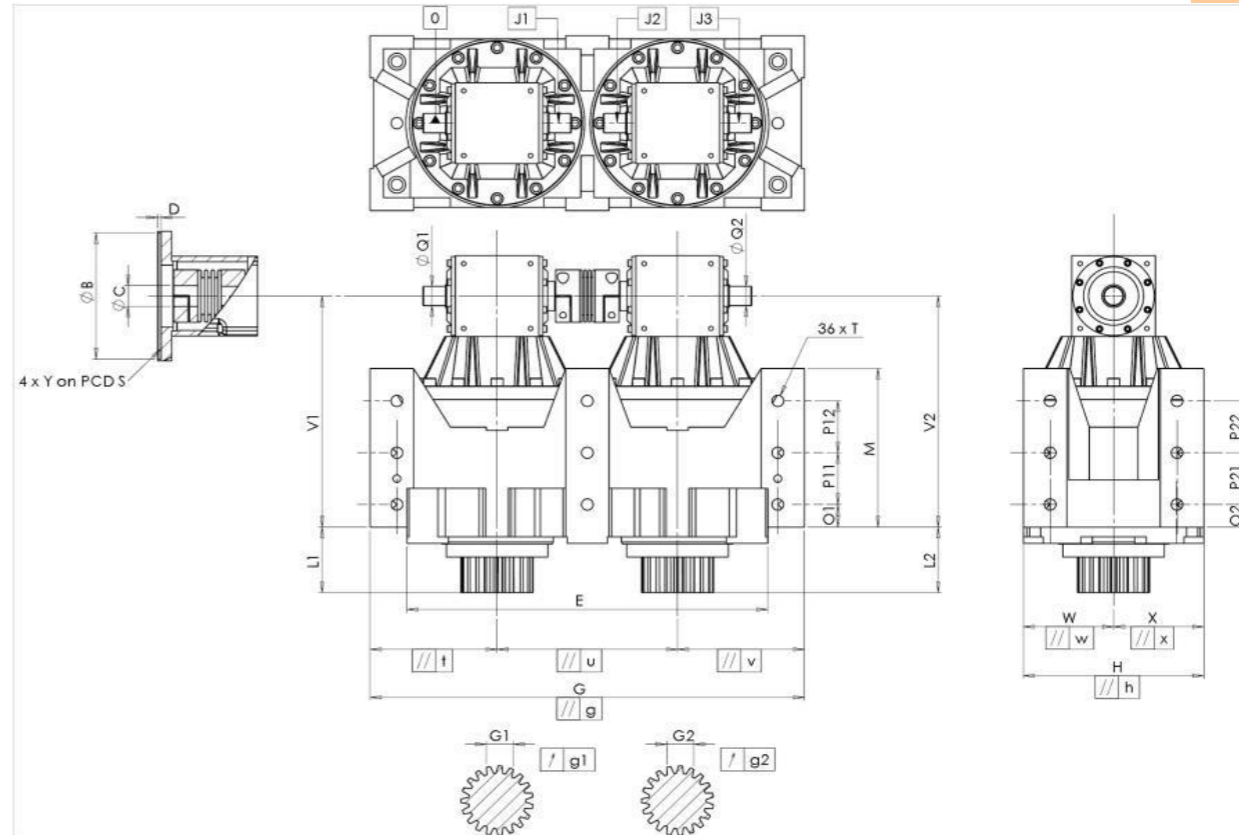
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EXTERNAL DIMENSIONS & INTERFACES: SN: 907671



General tolerance: Js13		Cmm	Automatic / manual coordinate-measuring machine	µm	Micrometer	Cr	Calliper rule	Di	Dial indicator	Pg	Plug gauge				
<b>HOUSING</b>				<b>HOUSING</b>				<b>MOTOR FLANGE</b>							
	<b>requirement</b>	<b>measure</b>		<b>requirement</b>	<b>measure</b>		<b>requirement</b>	<b>measure</b>		<b>requirement</b>	<b>measure</b>				
		E 1996		O1	43	Cr	43			F6109					
	E	640 <sup>0</sup> <sub>-0,1</sub>	Cmm	639,972	P11	100	Cr	100	∅	B	114,3 <sup>+0,047</sup> <sub>+0,012</sub>	µm	114,34		
	G	800 <sup>+0,2</sup> <sub>-0,2</sub>	Cmm	799,774 <sup>(1)</sup>	P12	100	Cr	100	∅	C	35 <sup>+0,05</sup> <sub>+0,025</sub>	µm	35,025		
//	g	0,05	Cmm	0,016	M	288 <sup>+0,1</sup> <sub>-0,1</sub>	Cmm	287,98		D	18	Cr	18		
//	t	0,05	Cmm	0,005	O2	43	Cr	43	∅	S	200	Cr	200		
//	u	0,035	Cmm	0,004	P21	100	Cr	100	∅	Y	M12	Pg	M12		
//	v	0,05	Cmm	0,001	P22	100	Cr	100							
	W	160	Cmm	160,018	∅	T	M24	Pg	M24						
//	w	0,04	Cmm	0,002	<b>OUTPUT PINION</b>										
	X	160	Cmm	160	<b>Pinion 1</b>				F5576						
//	x	0,04	Cmm	0,001	<b>Span dimension over 3 teeth</b>										
	H	320 <sup>+0,04</sup> <sub>-0,04</sub>	Cmm	320,018	G1	46,9 <sup>0</sup> <sub>-0,03</sub>	Cmm	46,885				<b>Line</b>	<b>Stiffness</b>		
//	h	0,02	Cmm	0,02	g1	0,022	Di	0,015				Torsional stiffness (Nm/arcmin)	1	745,99	
	V1	435	Cmm	435,137	<b>Pinion 2</b>				F5579					2	745,99
	L1	120	Cmm	119,819	<b>Span dimension over 3 teeth</b>									1	1149
	V2	435	Cmm	435,137	G2	46,9 <sup>0</sup> <sub>-0,03</sub>	Cmm	46,88				Radial stiffness (N/µm)	2	1120	
	L2	120	Cmm	119,953	g2	0,022	Di	0,015				<b>Noise level</b>			
∅	Q1	35 <sup>+0,011</sup> <sub>-0,005</sub>	Cmm	35,011	<b>No-load input torque</b>				@ 1300 rpm input (dB(A))						
∅	Q2	35 <sup>+0,011</sup> <sub>-0,005</sub>	Cmm	35,01	Line	2,5 Nm			69,5						
	J1	/0	Di	0	Line 2	1,8 Nm									
	J2	/0	Di	-0,01											
	J3	/0	Di	-0,01											

Date: 21/06/2023

Visa: C DE MIRANDA

Version: A



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