

CUSTOMER: REDEX SHANGHAI CUSTOMER ORDER REF:
 DISTRIBUTOR: REDEX SHANGHAI REPAIRING REDEX ORDER REF: 1000091
 DESIGNATION: DRP4.R1.91.4.H SERIAL NUMBER: 910668
 CODE: RX136464-33 MOTOR FLANGE CODE: RX129551-01

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:	22,8 Nm

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

SPECIFIC REMARKS:

⁽¹⁾Accepted according to Redex derogation RX15384.

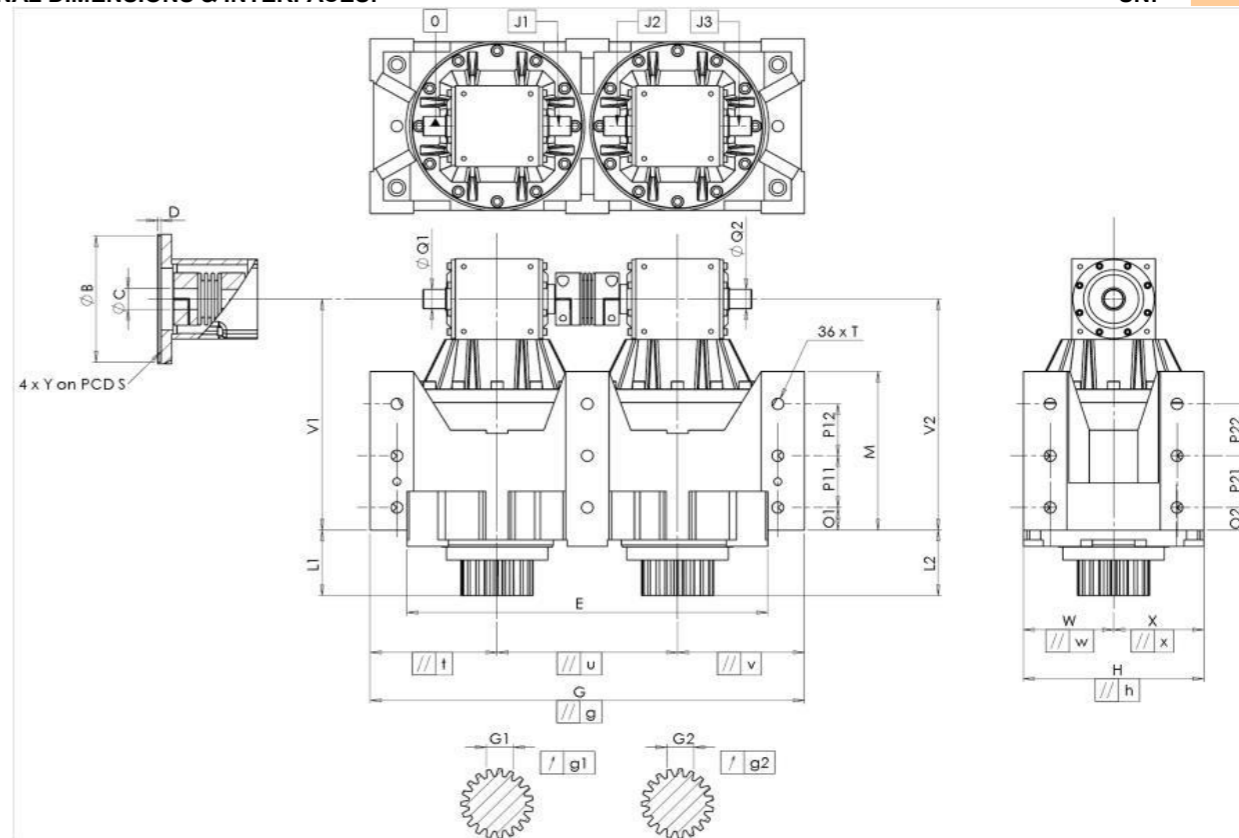
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EXTERNAL DIMENSIONS & INTERFACES: SN: 910668



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					
	J5084			O1	43	Cr	43	J3916						
E	640	⁰ / _{-0,1}	Cmm	639,968	P11	100	Cr	100	∅	B	180	^{+0,054} / _{+0,014}	µm	180,035
G	800	^{+0,2} / _{-0,2}	Cmm	800,014	P12	100	Cr	100	∅	C	38	^{+0,05} / _{+0,025}	µm	38,04
//	g	0,05	Cmm	0,07 ⁽¹⁾	M	288	^{+0,1} / _{-0,1}	Cmm	288,009	D	8	Cr	8,15	
//	t	0,05	Cmm	0,002	O2	43	Cr	43	∅	S	215	Cr	215	
//	u	0,035	Cmm	0,007	P21	100	Cr	100	∅	Y	M12	Pg	M12	
//	v	0,05	Cmm	0,003	P22	100	Cr	100						
	W	160	Cmm	159,979	∅	T	M24	Pg	M24					
//	w	0,04	Cmm	0,004	OUTPUT PINION									
	X	160	Cmm	160,01	Pinion 1			J5031						
//	x	0,04	Cmm	0,006	Span dimension over 3 teeth									
	H	320	^{+0,04} / _{-0,04}	Cmm	319,989	G1	46,9	⁰ / _{-0,03}	Cmm	46,885				
//	h	0,02	Cmm	0,014	↗	g1	0,022	Di	0,01					
	V1	435	Cmm	435,15	Pinion 2			J5028						
	L1	120	Cmm	120,083	Span dimension over 3 teeth									
	V2	435	Cmm	435,174	G2	46,9	⁰ / _{-0,03}	Cmm	46,885					
	L2	120	Cmm	120,094	↗	g2	0,022	Di	0,02					
∅	Q1	35	^{+0,011} / _{-0,005}	Cmm	35,001	No-load input torque								
∅	Q2	35	^{+0,011} / _{-0,005}	Cmm	35,006	Line		2,6 Nm						
	J1	/0	Di	0	Line 2		2,5 Nm							
	J2	/0	Di	0,02										
	J3	/0	Di	0,02										
										Line	Stiffness			
										Torsional stiffness (Nm/arcmin)	1	745,99		
											2	745,99		
										Radial stiffness (N/µm)	1	1196,58		
											2	1174,98		
										Noise level				
										@1300 rpm input (dB(A))	71,5			

Date: 13/05/2026

Visa: P.Vaslier

Version: A



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