

CUSTOMER: NIDEC CUSTOMER ORDER REF: 230706IB-2 NIDEC
 DISTRIBUTOR: S & F INC REDEX ORDER REF: 217982
 DESIGNATION: DRP3+R.31.4.H SERIAL NUMBER: 907918
 CODE: RX128771-12 MOTOR FLANGE CODE: RX129474-04

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:

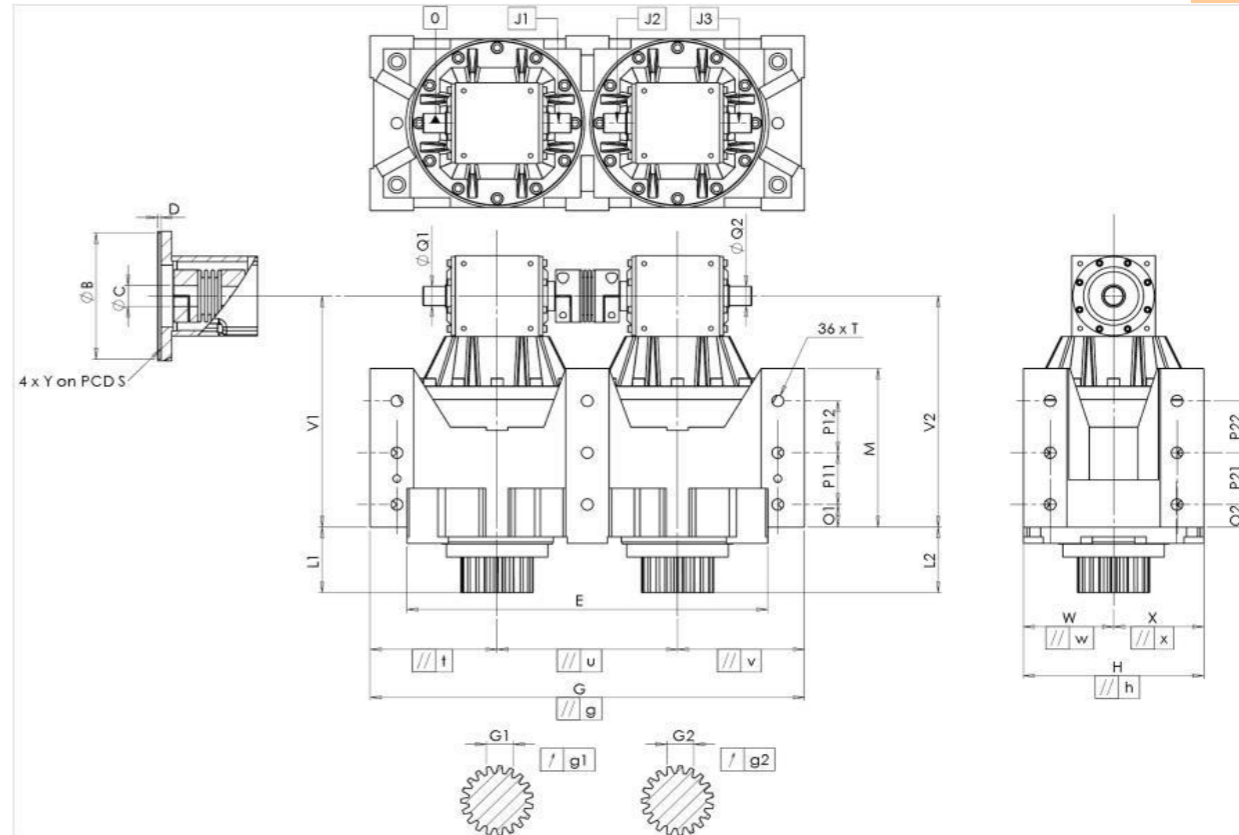
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EXTERNAL DIMENSIONS & INTERFACES: SN: 907918



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						
	F6573		O1	35	Cr	35	E485						
E	540 ⁰ _{-0,1}	Cmm	539,972	P11	80	Cr	80	Ø B	114,3 ^{+0,047} _{+0,012}	µm	114,343		
G	650 ^{+0,2} _{-0,2}	Cmm	649,988	P12	80	Cr	80	Ø C	35 ^{+0,05} _{+0,025}	µm	35,05		
// g	0,045	Cmm	0,012	M	245 ^{+0,1} _{-0,1}	Cmm	245,028	D	8	Cr	8		
// t	0,045	Cmm	0,005	O2	35	Cr	35	Ø S	200	Cr	200		
// u	0,035	Cmm	0,003	P21	80	Cr	80	Ø Y	M12	Pg	M12		
// v	0,045	Cmm	0,002	P22	80	Cr	80						
W	135	Cmm	134,992	Ø T	M20	Pg	M20						
// w	0,035	Cmm	0,007	OUTPUT PINION									
X	135	Cmm	135,022	Pinion 1				F2655					
// x	0,035	Cmm	0,009	Span dimension over 3 teeth									
H	270 ^{+0,04} _{-0,04}	Cmm	270,013	G1	39,25 ⁰ _{-0,03}	Cmm	39,235						
// h	0,02	Cmm	0,019	g1	0,022	Di	0,02						
V1	357	Cmm	357,006	Pinion 2									
L1	101	Cmm	101,218	Span dimension over 3 teeth									
V2	357	Cmm	357,106	G2	39,25 ⁰ _{-0,03}	Cmm	39,23						
L2	101	Cmm	101,161	g2	0,022	Di	0,02						
Ø Q1	30 ^{+0,009} _{-0,004}	Cmm	30,009	No-load input torque									
Ø Q2	30 ^{+0,009} _{-0,004}	Cmm	30,009	Line				2,3 Nm					
J1	/0	Di	0	Line 2				2,2 Nm					
J2	/0	Di	0,03										
J3	/0	Di	0,03										
											Line	Stiffness	
											Torsional stiffness (Nm/arcmin)	1	473,03
												2	473,03
											Radial stiffness (N/µm)	1	898
												2	871
											Noise level		
											@ 1600 rpm input (dB(A))	72,5	

Date: 21/07/2023

Visa: C DE MIRANDA

Version: A



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