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CUSTOMER:	SPARK	CUSTOMER ORDER REF: *RXCN2025012306 SPARK
DISTRIBUTOR:	REDEX SHANGHAI REPAIRING	REDEX ORDER REF: 219880
DESIGNATION:	DRP4+R.91.4.H	SERIAL NUMBER: 909671
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:

Product images are for illustrative purposes only.



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EXTERNAL DIMENSIONS & INTERFACES:		SN: 909671

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					
						G5868						43						H3024					
	E	640	⁰ _{-0,1}	Cmm	639.982			O1	43	Cr	43		Ø	B	114,3	^{+0,047} _{+0,012}	µm	114.315					
	G	800	^{+0,2} _{-0,2}	Cmm	799.971			P11	100	Cr	100		Ø	C	35	^{+0,05} _{+0,025}	µm	35.05					
//	g	0,05		Cmm	0.015			M	288	^{+0,1} _{-0,1}	Cmm	288.004		D	18		Cr	18					
//	t	0,05		Cmm	0.001			O2	43	Cr	43		Ø	S	200		Cr	200					
//	u	0,035		Cmm	0.005			P21	100	Cr	100		Ø	Y	M12		Pg	M12					
//	v	0,05		Cmm	0.006			P22	100	Cr	100												
	W	160		Cmm	160		Ø	T	M24	Pg	M24												
//	w	0,04		Cmm	0.003	OUTPUT PINION																	
	X	160		Cmm	159.982	Pinion 1				G6979													
//	x	0,04		Cmm	0.007	Span dimension over 3 teeth																	
	H	320	^{+0,04} _{-0,04}	Cmm	319.982			G1	46,9	⁰ _{-0,03}	Cmm	46.88											
//	h	0,02		Cmm	0.019		↗	g1	0,022	Di	0.01	Line							Stiffness				
	V1	435		Cmm	435.191	Pinion 2						G6976							Torsional stiffness (Nm/arcmin)		1	745,99	
	L1	120		Cmm	120.162	Span dimension over 3 teeth						G6976							Radial stiffness (N/µm)		2	745,99	
	V2	435		Cmm	435.176	Span dimension over 3 teeth						G6976							Radial stiffness (N/µm)		1	1333	
	L2	120		Cmm	120.132			G2	46,9	⁰ _{-0,03}	Cmm	46.88			2	1149							
Ø	Q1	35	^{+0,011} _{-0,005}	Cmm	35.008		↗	g2	0,022	Di	0.01												
Ø	Q2	35	^{+0,011} _{-0,005}	Cmm	35.001	No-load input torque													Noise level				
	J1	/0	Di	0.02	Line						2,5 Nm		@1300 rpm input (dB(A))				72.0						
	J2	/0	Di	0.02	Line 2						3,2 Nm												
	J3	/0	Di	0.02																			

Date: 05/05/2025

Visa: C DE MIRANDA

Version: A



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