

DRP		Page
Performance sheet		1/2
CUSTOMER:	SPARK	CUSTOMER ORDER REF: GCN002389 SPARK
DISTRIBUTOR:	SHANGHAI GUDEL AUTOMATIO	REDEX ORDER REF: 211823
DESIGNATION:	DRP4+R.91.4.H	SERIAL NUMBER: 900522
CODE:	RX129047-33	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:	18,1 Nm

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

SPECIFIC REMARKS:
⁽¹⁾Accepted according to Redex derogation RX9312

DRP

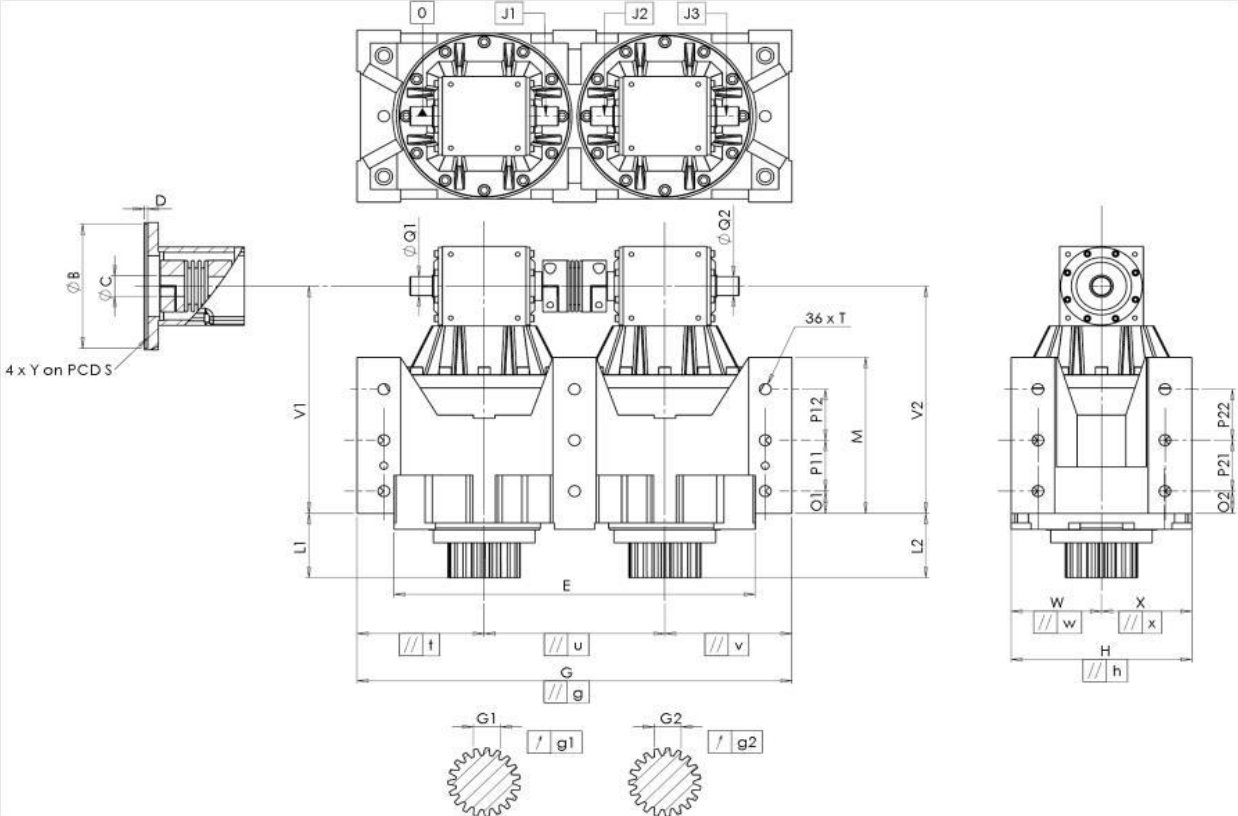
Performance sheet

RX183/005-B

Page 2/2

EXTERNAL DIMENSIONS & INTERFACES:

SN: 900522



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	
		A718		O1		43	Cr			A1261	
	E	640	⁰ _{-0,1}	Cmm		639,975		Ø	B	180	^{+0,054} _{+0,014} µm
	G	800	^{+0,2} _{-0,2}	Cmm		800,048		Ø	C	38	^{+0,05} _{+0,025} µm
//	g	0,05		Cmm		0,024			D	8	Cr
//	t	0,05		Cmm		0,001		Ø	S	215	Cr
//	u	0,035		Cmm		0,008		Ø	Y	M12	Pg
//	v	0,05		Cmm		0,004					
	W	160		Cmm		159,992					
//	w	0,04		Cmm		0,001					
	X	160		Cmm		160,013					
//	x	0,04		Cmm		0,001					
	H	320	^{+0,04} _{-0,04}	Cmm		320,005					
//	h	0,02		Cmm		0,019					
	V1	435		Cmm		435,084					
	L1	120		Cmm		120,125					
	V2	435		Cmm		435,127					
	L2	120		Cmm		120,038					
Ø	Q1	35	^{+0,011} _{-0,005}	Cmm		35,01					
Ø	Q2	35	^{+0,011} _{-0,005}	Cmm		35,005					
	J1		/0	µm		0					
	J2		/0	µm		0,03					
	J3		/0	µm		0,03					

OUTPUT PINION			
Pinion 1		O2276	
Span dimension over 3 teeth			
	G1	46,9	⁰ _{-0,03} Cmm
↗	g1	0,022	Di

Pinion 2			
Pinion 2		O2270	
Span dimension over 3 teeth			
	G2	46,9	⁰ _{-0,03} Cmm
↗	g2	0,022	Di

No-load input torque	
Line	3,5 Nm
Line 2	3,5 Nm

Noise level		
@1300 rpm input (dB(A))		70,0

Line		Stiffness
Torsional stiffness (Nm/arcmin)		1 745,99
		2 745,99
Radial stiffness (N/µm)		1 1075
		2 1115

Date: 02/08/2017

Visa: J ONGANER

Version: A



ZI-BP79
F45210 FERRIERES
www.redex.fr

Tel: +33 2 38 94 42 00
Fax: +33 2 38 94 42 99
Email: info@redex.fr