

DRP

Performance sheet

RX183/005-B

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CUSTOMER:

RYAZAN MACHINE TOOL WORK

CUSTOMER ORDER REF:

2017/70 RYAZAN MACHINE TOOL

DISTRIBUTOR:

REDEX ORDER REF:

212333

DESIGNATION:

DRP1+R.31.4.H

SERIAL NUMBER:

901197

CODE:

RX128461-12

MOTOR FLANGE CODE:

RX129592-01

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:

Maximum preload torque:

Following application

6,8 Nm

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

SPECIFIC REMARKS:
(1)Accepted according to Redex derogation RX9436.

Product images are for illustrative purposes only.

DRP

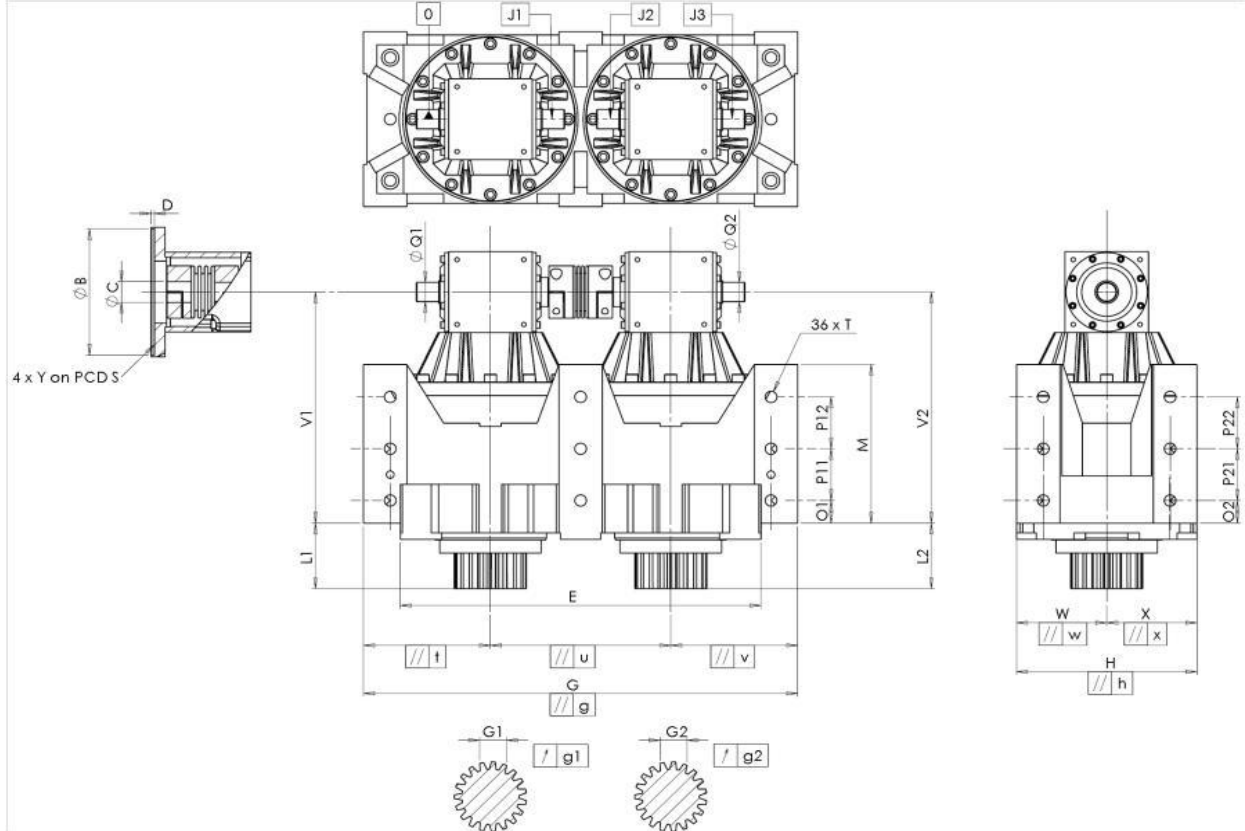
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EXTERNAL DIMENSIONS & INTERFACES:

SN: 901197



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	
			A737								A3	
	E	380 ⁰ _{-0,05}	Cmm 379,965		O1	20	Cr 20		Ø	B	130 ^{+0,054} _{+0,014}	µm 130,027
	G	470 ^{+0,1} _{-0,1}	Cmm 469,833 ⁽¹⁾		P11	65	Cr 65		Ø	C	32 ^{+0,05} _{+0,025}	µm 32,05
//	g	0,04	Cmm 0,013		M	172 ^{+0,1} _{-0,1}	Cmm 171,87 ⁽¹⁾			D	5	Cr 5,092
//	t	0,04	Cmm 0,003		O2	20	Cr 20		Ø	S	165	Cr 165
//	u	0,03	Cmm 0,001		P21	65	Cr 65		Ø	Y	M10	Pg M10
//	v	0,04	Cmm 0,004		P22	65	Cr 65					
	W	95	Cmm 95,004	Ø	T	M12	Pg M12					
//	w	0,03	Cmm 0,004	OUTPUT PINION								
	X	95	Cmm 95,004	Pinion 1			N1608					
//	x	0,03	Cmm 0,004	Span dimension over 3 teeth								
	H	190 ^{+0,025} _{-0,025}	Cmm 190,008		G1	23,28 ⁰ _{-0,03}	Cmm 23,27					
//	h	0,02	Cmm 0,008	↗	g1	0,021	Di 0,01					
	V1	229	Cmm 229,258	Pinion 2			N1604					
	L1	70	Cmm 69,986	Span dimension over 3 teeth								
	V2	229	Cmm 229,132		G2	23,28 ⁰ _{-0,03}	Cmm 23,27					
	L2	70	Cmm 69,977	↗	g2	0,021	Di 0,01					
Ø	Q1	20 ^{+0,009} _{-0,004}	Cmm 20,002	No-load input torque								
Ø	Q2	20 ^{+0,009} _{-0,004}	Cmm 20,004	Line			0,5 Nm					
	J1	/0	µm 0,005	Line 2			0,5 Nm					
	J2	/0	µm 0,035									
	J3	/0	µm 0,05									

Date: 05/01/2018

Visa: C DE MIRANDA

Version: A

Torsional stiffness (Nm/arcmin)

Radial stiffness (N/µm)

Noise level

@1600 rpm input (dB(A))

Line

Stiffness

1

2

1

2

67,5

81,39

81,39

360

347