

Hillmar

Hillmar Industries Ltd.

7371 Vantage Way
Delta, BC V4G 1C9
P:604 946-7115 F:604 946-0329
info@hillmar.com www.hillmar.com

INDUSTRIAL DBQS
DBQS-CSBHCB-5150-120000
SPECIFICATION SHEET
SLS & MKTG
ENGLISH

Company / Project Reference:

Date.:

Page.:
1 OF 1

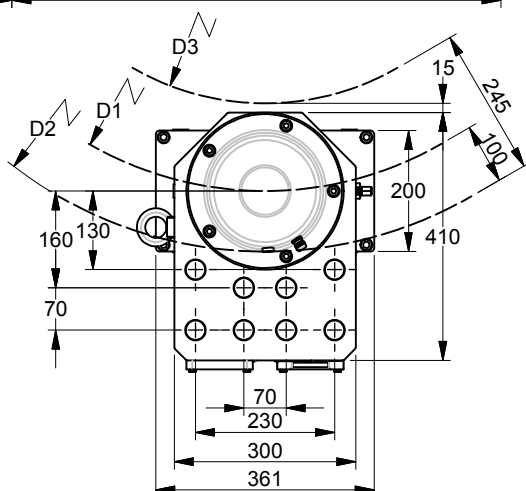
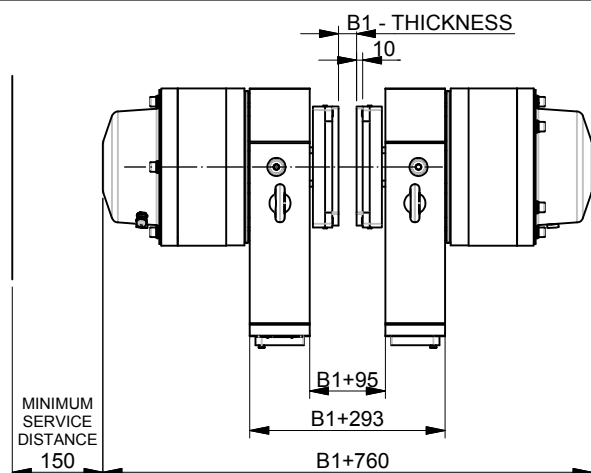
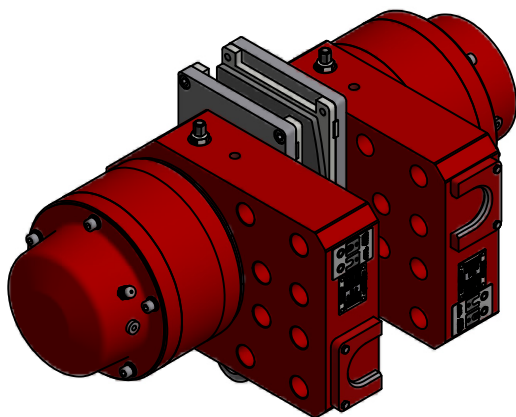
Sheet Number:

Job Number:

Form Number:
829-727-82372PT

Document Package No.: Rev.:

Inventor Drawing



FEATURE	CODE
Industrial disc brake	DBQS
Series	CSBHCB
Brake size	5150
Foot mount	/
Nominal braking force F_B (N)	120000
Example for ordering	DBQS-CSBHCB-5150-120000

TECHNICAL DATA

Clamping force (N) (FC)	306000
Braking force static @ $\mu=0.5$ (N) (FB)	150000
Braking force dynamic @ $\mu=0.4$ (N) (FB)	120000
Loss of force pre 1mm of pad wear (%)	5.2
Maximum wear of each brake pad (mm)	Sintered 5 Organic 6
Disc thickness B1 (mm)	30 - 50
Theoretical friction diameter	$\varnothing D1$
Disc diameter	$\varnothing D2$
Maximum coupling hub diameter	$\varnothing D3$
Brake pad width (m)	0.21
Nominal air gap	1 mm / side
Braking torque (Nm)	$M_B = F_B \times (D2 - 0.2) / 2$
Operating pressure (bar)	88
Maximum pressure (bar)	118
Oil volume (CC) to release 1mm /half	20.5
Pressure port connection (2 ports) T1	-4 37° JIC
Temperature range (°C)	-20 to +70
Standard paint CARMINE RED	RAL #3002
Mounting holes (brake)	8 x $\varnothing 32$
Mounting bolts (CL 10.9)	8 x M30
Weight of brake (2 halves) (kg)	330
Bolt tightening torque (Nm)	2100

NOMINAL SPECIFICATION

Actual torque may vary depending on adjustment of brake and coefficient of friction. Brake supplied standard with organic linings.

Bearing and structure loads must be checked due to unbalanced brake loads.

NOTES

All figures are nominal figures only

All dimensions are in millimeters

Document Template #710-101-62058

** ALL TECHNICAL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE **

Hillmar works have a fully registered ISO 9001-2008 quality assurance programme (QCB #01-1525)

Storm Brakes • Thruster Disc Brakes • Thruster • Industrial Disc Brakes • Hydraulic Power Units • Cable Reels

C:\Vaut_Workspace\HILLMAR\HILLMAR PRODUCTION\08 INDUSTRIAL DB\0700-8\07008002 DBQS-CSB\02 SPC-SHT-DBQS-CSBHCB-5150-120000.idw