

Hillmar

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INDUSTRIAL DBQS FM
DBQS-CSBHCB-FM-5240-192000
SPECIFICATION SHEET
SLS & MKTG
ENGLISH

Company / Project Reference:

Date.:

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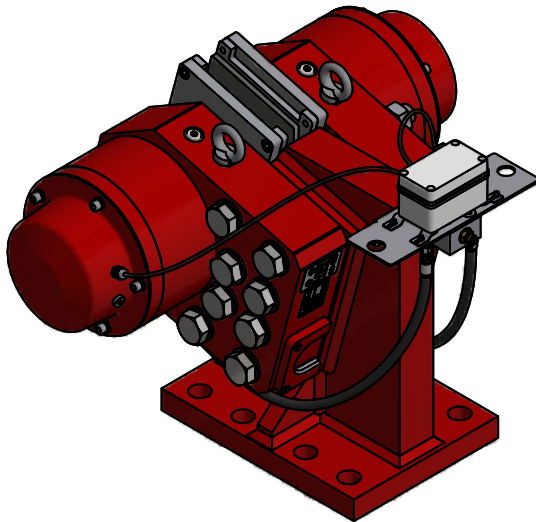
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Inventor Drawing



FEATURE	CODE
Industrial disc brake	DBQS
Series	CSBHCB
Foot mount	FM
Brake size	5240
Nominal braking force F_B (N)	192000
Example for ordering	DBQS-CSBHCB-FM-5240-192000

TECHNICAL DATA

Clamping force (N) (FC)	480000
Braking force static @ $\mu=0.5$ (N) (F_B)	240000
Braking force dynamic @ $\mu=0.4$ (N) (F_B)	192000
Loss of force pre 1mm of pad wear (%)	5.4
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)	122
Maximum pressure (bar)	135
Oil volume (CC) to release 1mm /half	23
Pressure port connection (2 ports) T1	-4 37° JIC
Temperature range (°C)	-20 to +70
Standard paint CARMINE RED	RAL #3002
Mounting holes (bracket) SP	8 x $\varnothing 32$
Mounting bolts (CL 10.9)	8 x M30
Bolt tightening torque (Nm)	2800
Weight of brake (2 halves) (kg)	490

NOMINAL SPECIFICATION

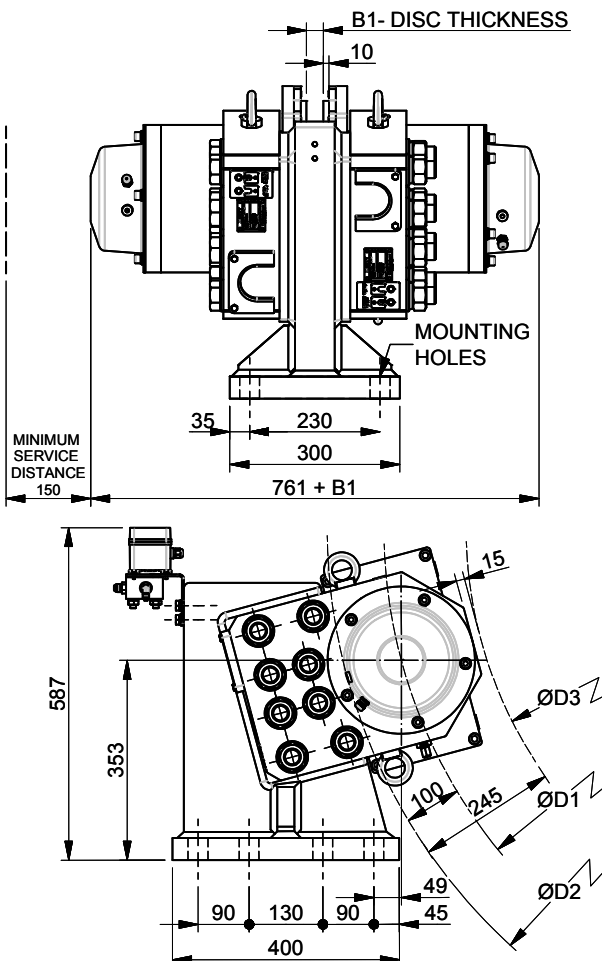
Actual torque may vary depending on adjustment of brake and coefficient of friction. Brake supplied standard with organic linings.

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

NOTES

All figures are nominal figures only

All dimensions are in millimeters



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** 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

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