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WHEEL BRAKE WBHD
WBHD-DT-LH-120-140-240
SPECIFICATION SHEET
SLS & MKTG
ENGLISH

Company / Project Reference:

Date.:

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Sheet Number:

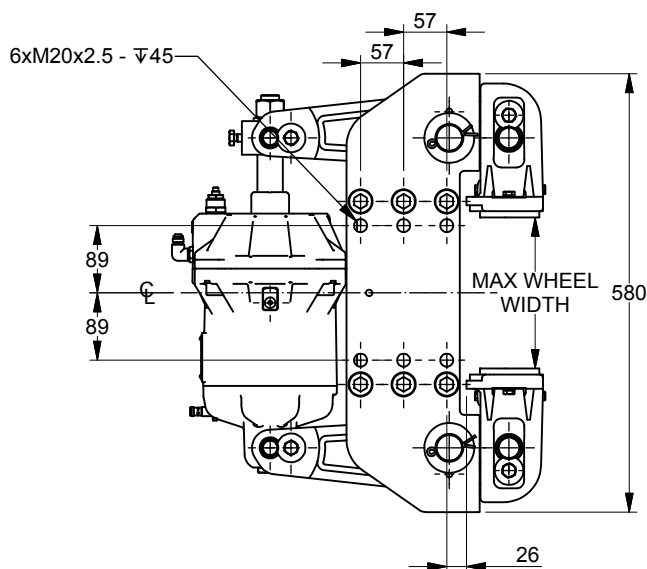
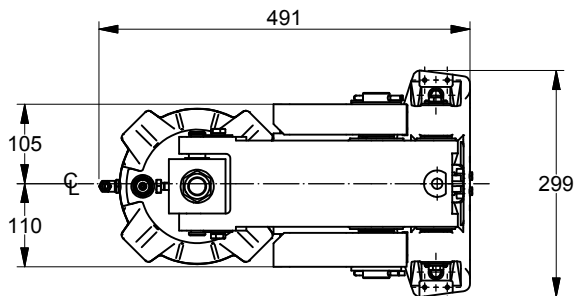
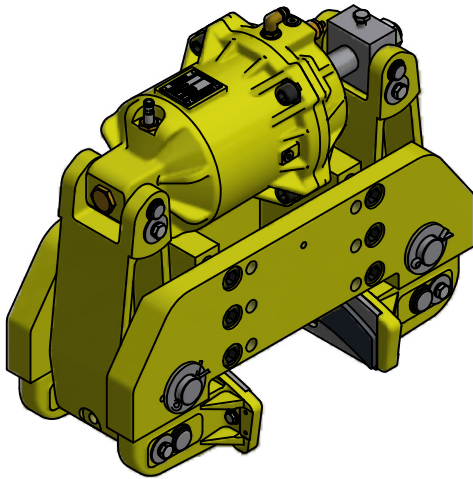
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Inventor Drawing



FEATURE	CODE
Wheel brake dynamic	WBHD-DT
Capacity (kN)	120
Left handing	LH
Wheel width (mm)	140-240

Example for ordering	WBHD-DT-LH-120-140-240
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TECHNICAL DATA

Clamping force F_c (kN)	120
Braking force (kN), $F_b = 2 \times F_c \times \mu$	120
Motor size (kw)	0.37
Total available stroke (mm)	20
Working stroke (mm)	14
Working stroke oil volume (l)	0.1
Release pressure (MPa)	8.7
Pressure port connection	-6 ORB
Drain port connection	-4 ORB
Min. recommended pipe size	-4 JIC
Temperature range (°C)	-20 to +70
Max. operating pressure (MPa)	14
Mounting holes drilled and tapped	6 x M20
Mounting bolts	6 x M20
Total pad area (cm ²)	380
Maximum pad wear (mm)	5
Weight with out oil (kg)	155
Minimum wheel flange width	102
Maximum wheel width	240

NOTES

Wheel surfaces must be clean, parallel and machined to $3.2\mu\text{m}$.

All machined surface must be kept clean to prevent brake contamination.

Actual published braking force may vary depending on friction factor and spring extension.

International patent apply.

All figures are nominal figures only.

All dimensions are in millimeters .

3D Model has been constrained for maximum wheel width

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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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