

21.3" Approved Centric Series Display

ELECTRICAL DESCRIPTION

Display Characteristics:

Type: 21.3" Active Matrix TFT
Dot Number: 1600 x 1200 Pixels
Dot Pitch: 0.27 mm
Active Display Area: 432 mm x 324 mm
Response Time: 16ms Average - Typical
Contrast Ratio: 900:1 Min.
Brightness / Light Intensity: 300 cd/m² (Nits) - Typical
Viewing Angles L/R/U/D: 89°/89°/89°/89°
Backlight Life: 50,000 Hours - Typical
Colour Depth: 16.7 Million (Depending on Graphics Card)

Dimming:

Range: 0-100% (Dimming Ratio 1000:1)

DVI-I Input:

Analog Interface: RGB 0.7-1.0V p-p
Sync-on-Green (-ve) 0.3V.
Digital Interface: DVI 1.0 Compatible Interface
108 MHz Operation.

Synchronisation Range:

Horizontal Scan: 15 - 100 kHz
Vertical Scan: 30 - 100 Hz

Resolutions:

VESA Support for: 1600 x 1200 UXGA*
1280 x 1024 SXGA
1024 x 768 XGA
800 x 600 SVGA
640 x 480 VGA
*Recommended for optimised resolution...

Composite Video Input:

Input Source: NTSC, PAL, SECAM with 'Picture in Picture' (PIP) facility.

Input Voltage:

AC or DC Input: 115V AC +/- 10% or
230V AC +/- 10% (External switch).
24V DC +30% -20%

Power Consumption:

AC Supply: 65W
DC Supply: 55W

Environmental:

**Operating Temp: -15 to +55°C (IEC 60945)
Storage Temp: -25 to +70°C
Operating Humidity: 30% to 90% (Non-Condensing)
Storage Humidity: 10% to 90% (Non-Condensing)
Vibration: +/-1mm, 2 to 13Hz: 0.7g 13 to 100 Hz

**We DO NOT recommend routine operation @ extreme temperatures...

MECHANICAL DESCRIPTION

Construction:

Finish: Front Bezel - Grey RAL 7015
Housing - Grey RAL 7016
Stand & Turntable - Grey RAL 9007
Housing: Aluminium
Front Sealing: Front Bezel IP66. IP67 possible by using optional sealing kit (gasket and grease).
Protective Safety Glass: Flush mounted, Conturan Hardened, Laminated & Anti-glare coated.
Ventilation: Convection (No Fans)

Dimensions:

Display for Flush Mounting (mm): 17.87" (454) H x 21.02" (554) W x 2.97" (75.4) D
Display + Stand + Turntable (mm): 19.9" (506) H x 21.7" (551) W x 19.1" (485) D
Panel Cut-out (mm): 16.61" (422) H x 19.76" (501.8) W

Weight:

Display (Kg) : 30.4 lbs (13.8)
Display with Stand & Turntable (Kg): 38.4 lbs (17.4)

Connections:

DVI Signal: DVI-I Female
Composite Signal: RCA Female Jack
S-Video: S-Video Socket
RS232 Control: 9-pin Female D-SUB
AC Power: IEC Inlet
DC Power: Screw Terminal

User Controls:

Front Bezel Membrane Buttons: Lock, -, +, Set, Menu & Power
Front Panel Indicators: AC & DC Power LEDs
Brightness Knob: Potentiometer (1000:1)

Shipping Details:

Carton Size (cm): 25.2" (64) x 25.2" (64) x 8.7" (22)
Weight (Kg): 36.2 lbs (16.4)

APPROVALS / WARRANTY

Certification:

Maritime / Military: IEC 60945 4th Edition. IEC 61174 (ECDIS), IEC 60936 (RADAR) & IEC 60529 (IP). MIL-STD-810F.
IACS E10 (to obtain ABS, BV, CCS, GL, KR, LR, NK, RINA, RS).

Type Approvals:

ABS – Pending

Limited Warranty:

2 Year

ORDERING CODES

21.3" Approved Centric Display: 23-2110
Adjustable Universal Stand¹: 25-213US01
Adjustable Universal Stand²: 25-213US02
Turntable (Requires Stand): 25-213T
Sunshade: 25-213SS

Notes: 1) IEC 60945 Approved without Turntable 2) IEC 60945 with Turntable...

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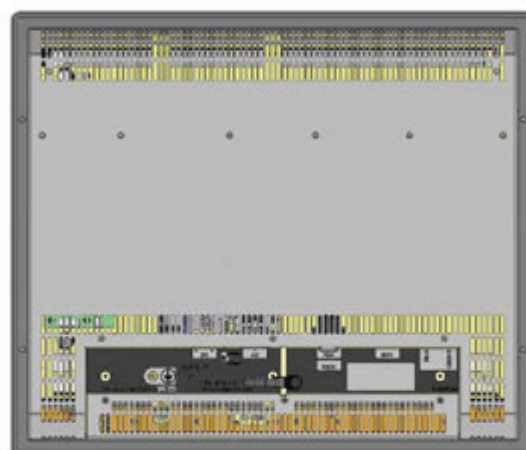
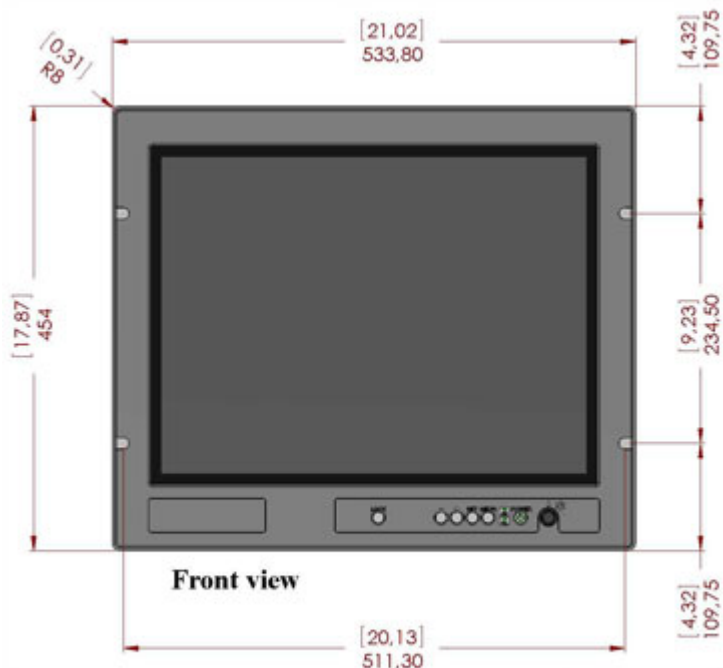
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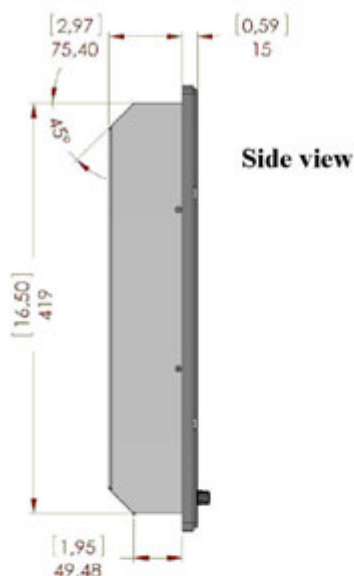
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Measurements - Display

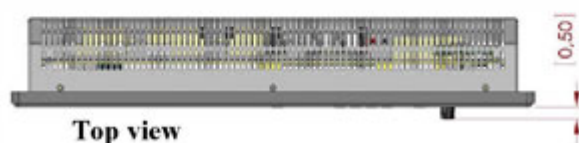
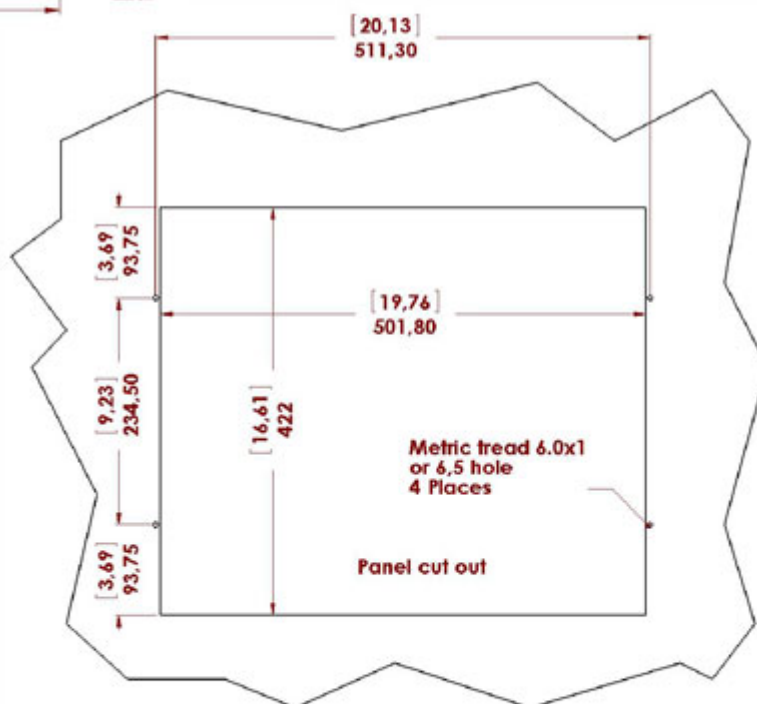
Note: All dimensions are in mm and (inch)



Back view



Side view



Top view



Bottom view

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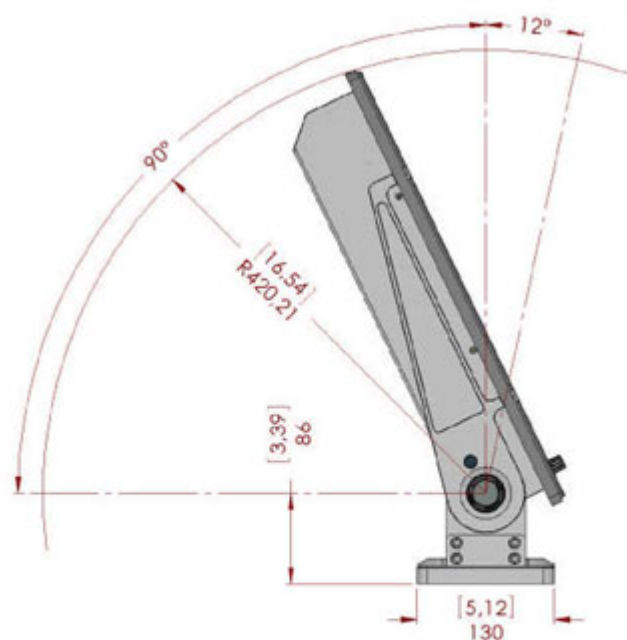
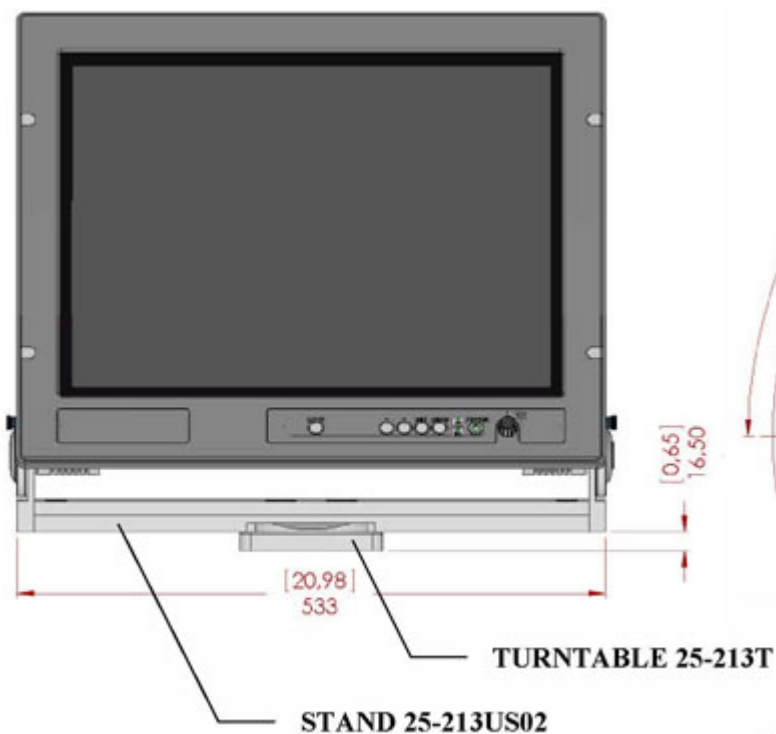
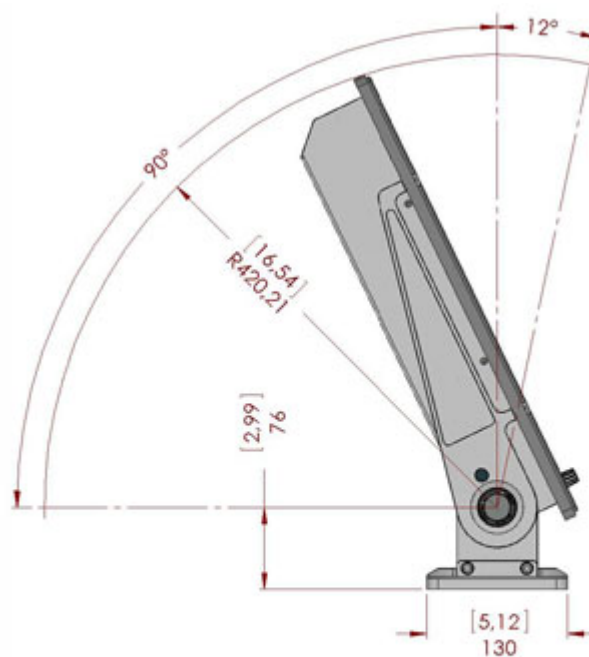
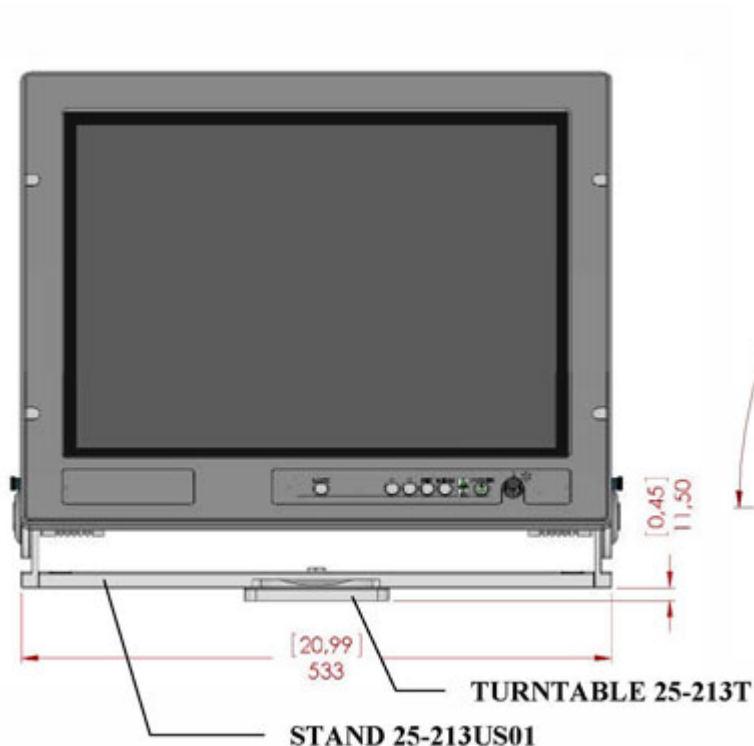
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Measurements - Stands & Turntable



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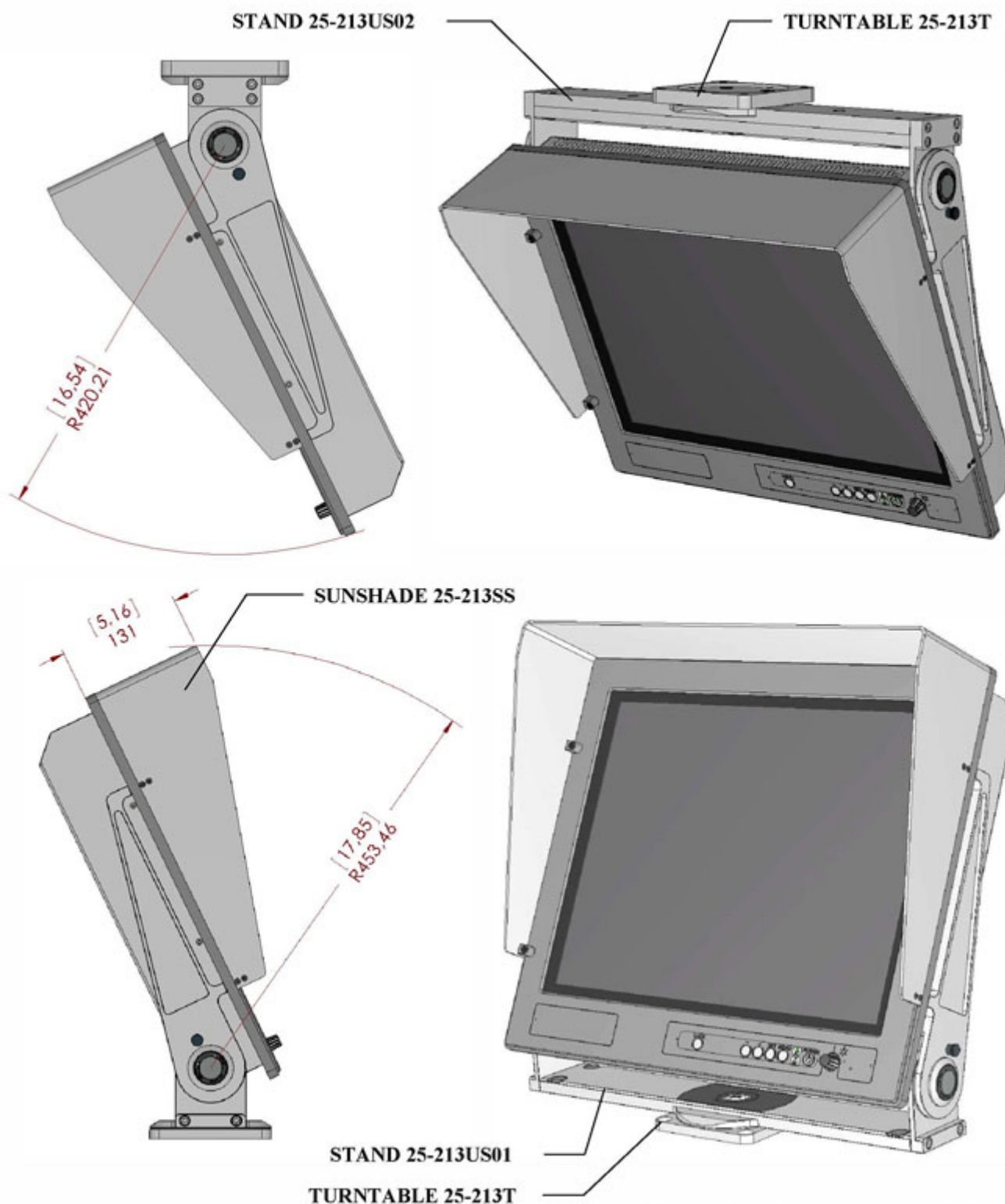
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Measurements - Stands, Sunshade & Turntable



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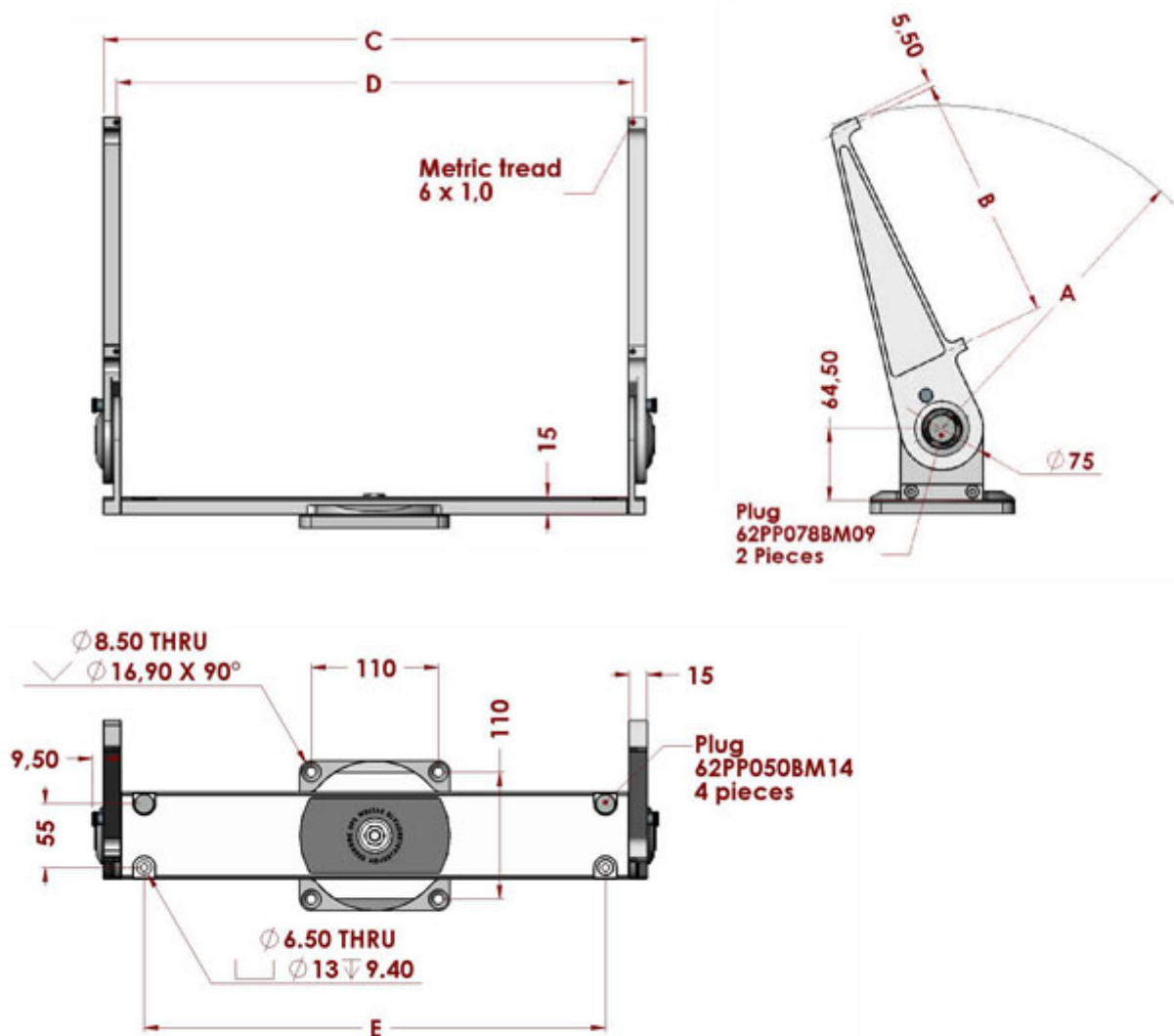
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Measurements - Stand 25-213US01 & Turntable



Note: All dimensions are in mm

MEASUREMENTS (in):-				
A	B	C	D	E
315.5	234.5	533.8	511.3	462.6
(12.42)	(9.23)	(21.01)	(20.12)	(18.21)

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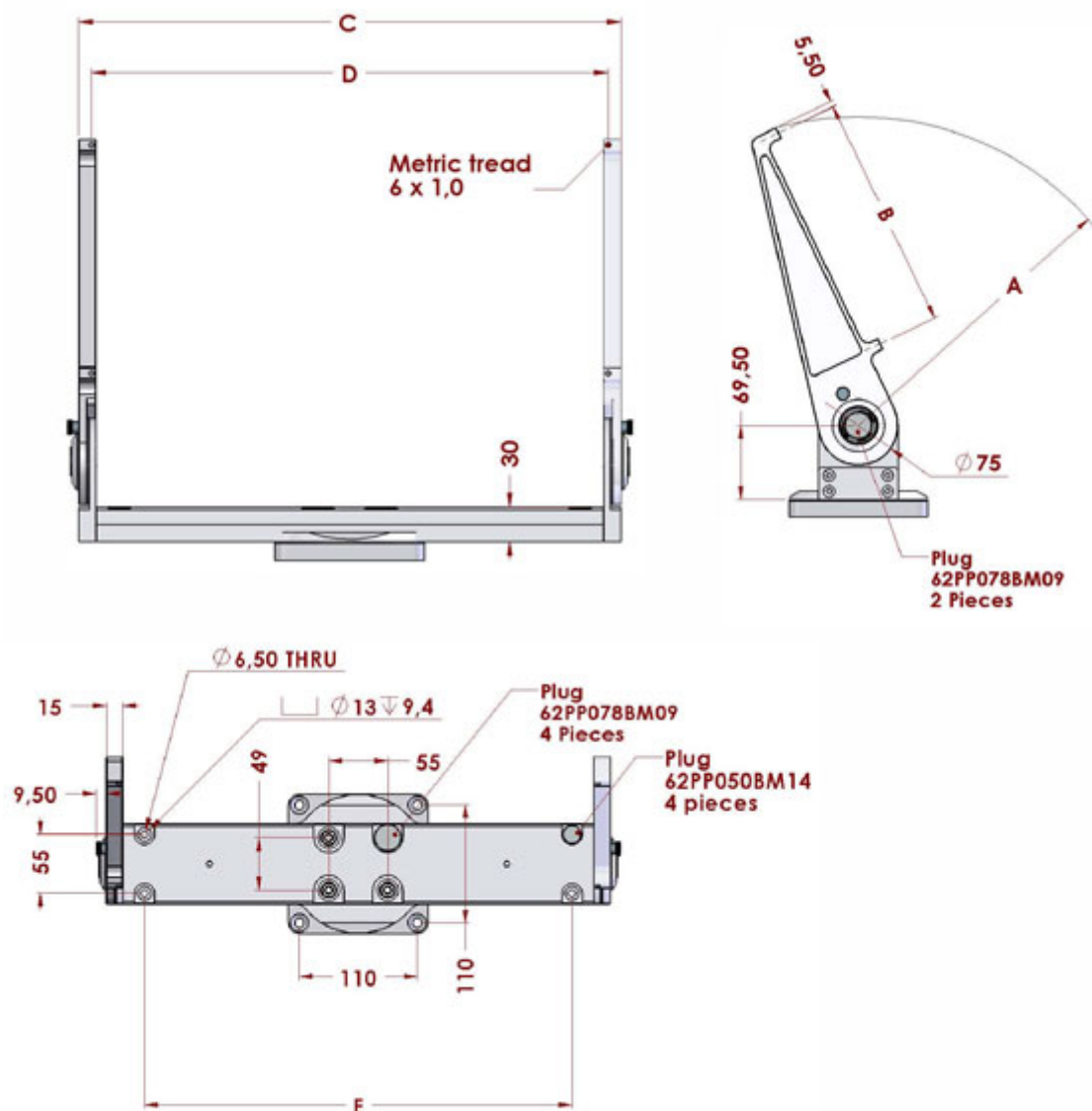
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Measurements - Stand 25-213US02 & Turntable



Note: All dimensions are in mm

MEASUREMENTS (in):-				
A	B	C	D	E
315.5	334.5	533.5	511	462.6
(12.42)	(13.16)	(21.0)	(20.11)	(18.21)

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