

Simrad ES333-7C

Split beam echo sounder transducer

Introduction

The Simrad ES333-7C is a split-beam composite transducer with a large bandwidth. This provides a fine range resolution, which is important for single fish detection and target strength measurement. The transducer has four quadrants.

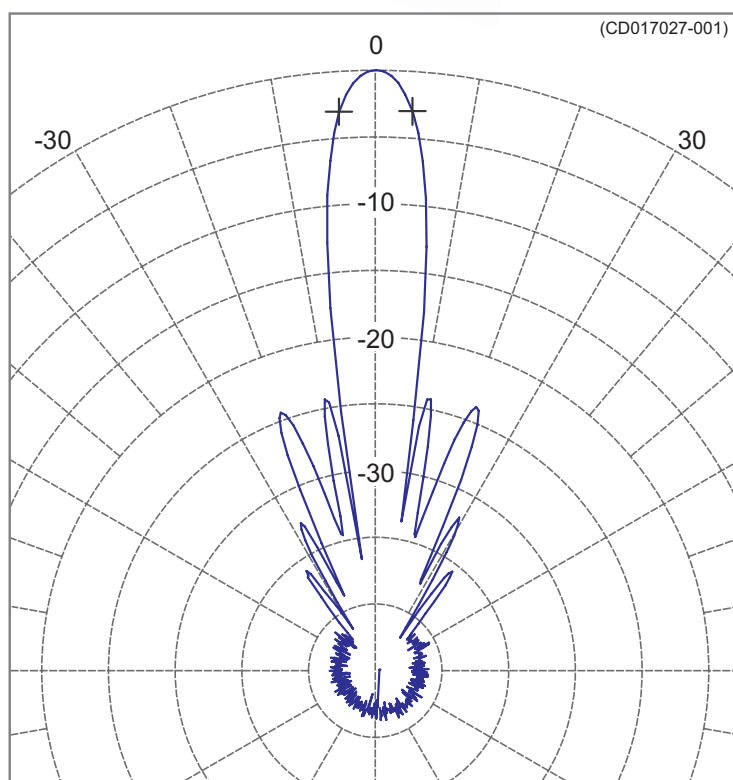
Order number

322598

Technical specifications

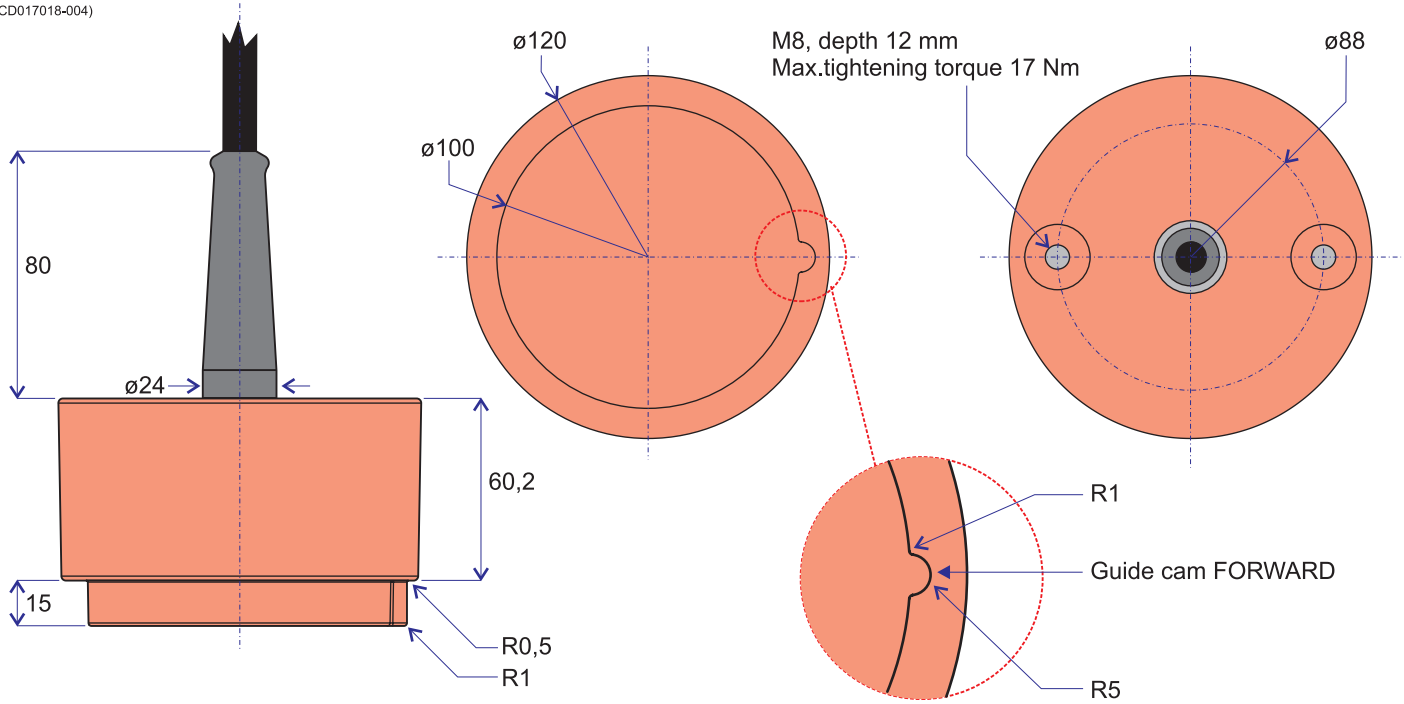
The following specifications are valid for a 100 W pulse when all four quadrants are wired in parallel. Note that these specifications can be altered without prior warning.

- Resonant frequency: 333 kHz
- Circular beamwidth: 7 deg
- Directivity: DI = 28 dB
- Equivalent two-way beam angle: -21 dB re 1sr
- Side lobes: Less than -21 dB
- Back radiation: Less than -35 dB
- Impedance:
 - Total: 19 Ω
 - Each quadrant: 75 Ω
- Transmitting response: 182,5 dB re 1 μ Pa per V
- Receiving sensitivity, open circuit: -196,5 dB re 1V per μ Pa
- Electro-acoustic efficiency: Better than 0.4
- Max. pulse power input: 200 W
- Max. continuous input: 2 W
- Max. transducer depth: 20 m
- Cable length: 20 m
- Cable diameter: 10.6 mm
- Weight: 4,2 kg
- Storage temperature: -20° to 55°C



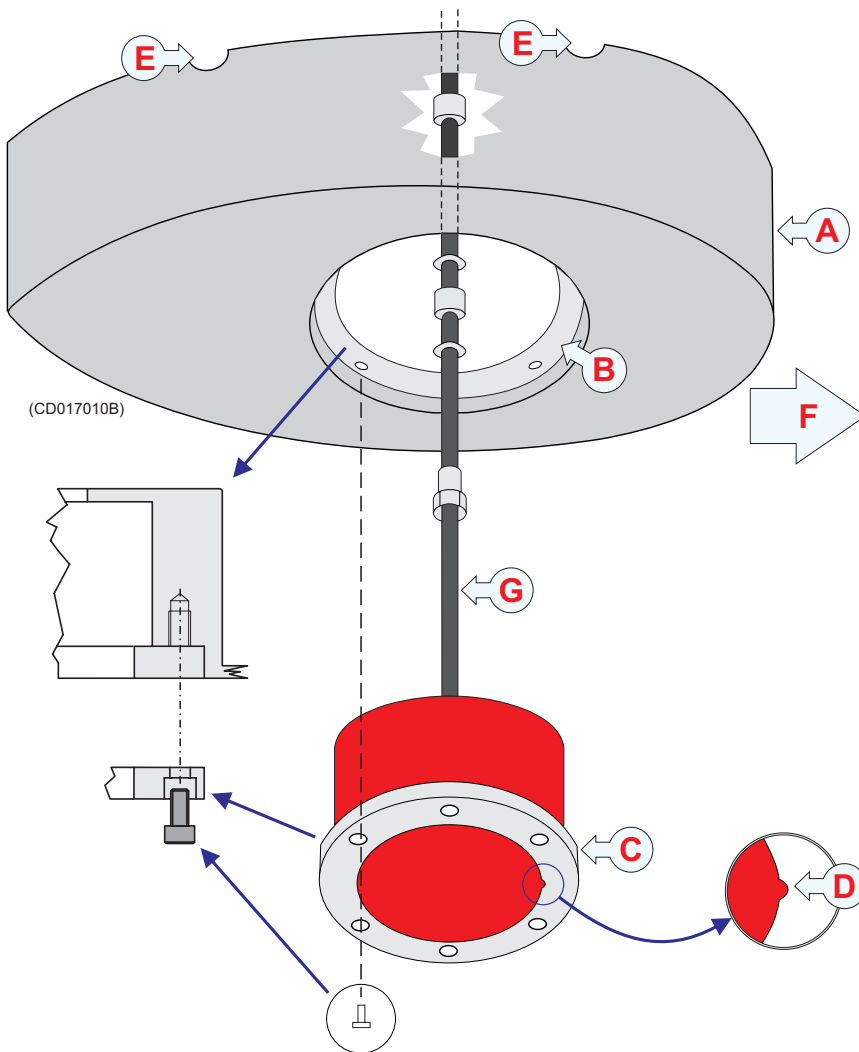
Beam pattern

(CD017018-004)



Outline dimensions

All dimensions in mm



Installation principle

- A Steel blister, must be manufactured by the shipyard
- B Mounting ring
- C Clamping ring
- D Guide to indicate "Forward"
- E Air outlet
- F Forward
- G Transducer cable

For more information regarding installation, refer to the *Simrad ES333-7C Installation manual*.

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Simrad

Kongsberg Maritime AS
Strandpromenaden 50
P.O.Box 111
N-3191 Horten, Norway

Telephone: +47 33 03 40 00
Telefax: +47 33 04 29 87
www.simrad.com
simrad.sales@simrad.com

