

# SHEAR CUTTER SH550



## Description

**Shear Cutter SH550 is a hydraulically powered demolition shear designed for cutting and dismantling metal structures. Its compact design, high manoeuvrability, and ease of operation make it suitable for a wide range of demolition and salvage applications.**

Typical uses include shipwreck demolition and the decommissioning of offshore infrastructure such as pipelines, platforms, structural components, and subsea cables.

The SH550 can be operated using either seawater or hydraulic oil. Seawater operation is available via an optional ROV-powered seawater kit, while hydraulic oil operation can be supplied by an optional topside HPU with hoses and reel.

## Features

- Hydraulically Powered Demolition Shear
- Compact and highly manoeuvrable design
- Versatile Application Range
- Flexible Power Options

■ The specification details are illustrative for marketing purpose only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement. Envirent AS, Robotvegen 16, 4340 Bryne, +47 477 77 500, sales@envirent.no

# SPECIFICATIONS

## SHEAR CUTTER SH550

### General Technical Specifications

|                           |                            |
|---------------------------|----------------------------|
| Type                      | Shear Cutter SH550         |
| Part Number               | SCU-                       |
| Dimensions L x W x H      | 3480 mm x 625 mm x 1102 mm |
| Weight in air / submerged | 4980 kg / 4720 kg          |
| Depth Rating              | 3000 MSW                   |

### Hydraulic Specifications

|                        |                            |
|------------------------|----------------------------|
| Min Hydraulic Pressure | 320 Bar                    |
| Working Pressure       | 350 Bar                    |
| Hydraulic Requirements | 320-350 Bar @ 35-375 L/min |
| Min Hydraulic Flow     | 70 – 100 L/Min             |

### Hydraulic Interface

|                         |  |
|-------------------------|--|
| Connection ROV Pressure | Valve Stab Ø55 DP (70 L/min – 100 L/min) |
| Connection ROV Return   | Valve Stab Ø55 DP                        |

### Technical specifications

|                                     |       | SH410R    | SH550R    | SH700R    | SH900R    | SH2000R     |
|-------------------------------------|-------|-----------|-----------|-----------|-----------|-------------|
| Carrier weight class (bucket place) | t     | 45 - 55   | 55 - 65   | 75 - 85   | 90 - 110  | 170 - 200   |
| Carrier weight class (stick place)  | t     | 28 - 39   | 39 - 45   | 45 - 60   | 60 - 80   | 110 - 150   |
| Operational weight                  | kg    | 4.700     | 5.750     | 7.700     | 10.100    | 21.000      |
| Operating pressure                  | bar   | 320 - 350 | 320 - 350 | 320 - 350 | 320 - 350 | 320 - 350   |
| Oil flow                            | l/min | 250 - 300 | 275 - 375 | 500 - 600 | 600 - 700 | 700 - 1.000 |

### Dimensions

|                    |    |           |           |           |           |           |
|--------------------|----|-----------|-----------|-----------|-----------|-----------|
| A Jaw opening      | mm | 670       | 760       | 830       | 940       | 1.200     |
| B Jaw depth        | mm | 720       | 780       | 840       | 950       | 1.200     |
| C Length of shears | mm | 3.700     | 3.950     | 4.300     | 4.600     | 6.000     |
| Article number     |    | 2810.0012 | 2810.0016 | 2810.0027 | 2810.0028 | 2810.0035 |

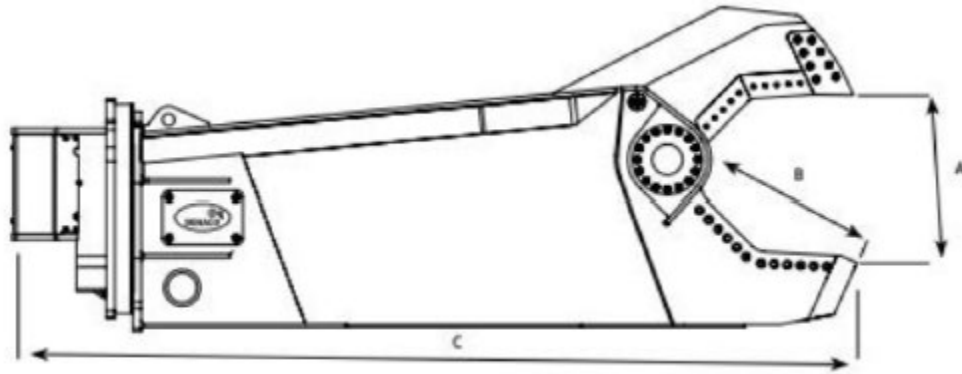
### Cutting capacity

|             |   |    |        |        |        |        |        |
|-------------|---|----|--------|--------|--------|--------|--------|
| Rod         | ● | mm | 100    | 110    | 130    | 160    | 170    |
| Pipe        | ○ | mm | 406x12 | 508x14 | 560x16 | 711x20 | 914x15 |
| IPE profile | ⊏ | mm | 600    | 700    | 800    | 900    | 1.100  |
| HEA profile | H | mm | 400    | 500    | 650    | 700    | 1.000  |
| HEB profile | H | mm | 300    | 360    | 450    | 500    | 800    |
| Plate       | — | mm | 25     | 25     | 30     | 35     | 40     |
| L profile   | L | mm | 200x25 | 250x25 | 300x30 | 350x30 | 400x35 |

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### Inventory List:

Items listed in Inventory List are delivered with the equipment as standard.  
Any additional equipment must be specified upon order.

| Item | Description  | Total Qty | PN |
|------|--|-----------|----|
| 1.   | Hydraulic 3/4" Jic 12 – Jic 12, 5m (Pressure and Return) | 2         |    |
| 2.   | Valve Stab Ø55 DP  | 1         |    |
| 3.   | Receptacle Ø55 DP  | 1         |    |
| 4.   |  |           |    |
| 5.   |  |           |    |
| 6.   |  |           |    |
| 7.   |  |           |    |
| 8.   |  |           |    |
| 9.   |  |           |    |
| 10.  |  |           |    |

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