

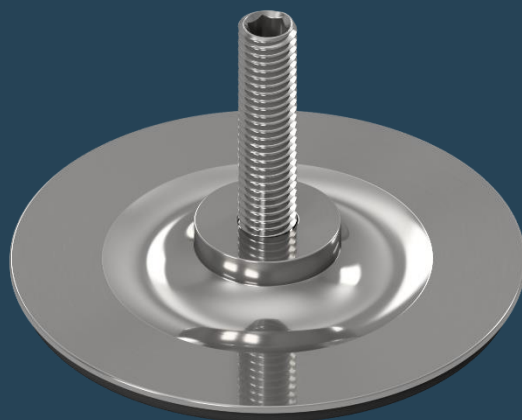


# TECHNICAL DATA SHEET

## C-CLAW S-300

Industrial non-intrusive fastener

A revolutionary alternative to welding and drilling

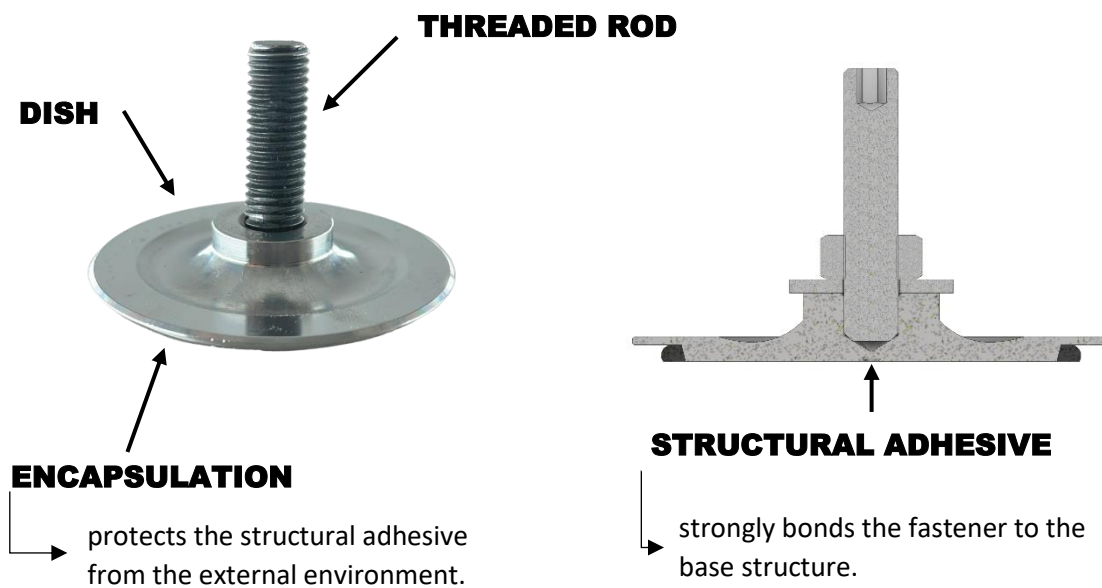


# C-CLAW S-300

COLD PAD has developed C-CLAW S-300, an industrial fastener with a process-controlled installation.

C-CLAW S-300 is non-intrusive, reliable, safe and durable. It is a real alternative to welding, drilling and magnets.

C-CLAW S-300 is specially designed for harsh environments, which makes it suitable for industrial environments, where conventional assembly methods generate a considerable number of associated constraints, costs and risks.



## REGULATORY CAPACITY

Use case	Load type	Regulatory capacity <sup>1</sup>
Standard <sup>2</sup>	Tension and Shear, simultaneous or not	<b>3.0 kN (300 kg)</b>

<sup>1</sup> For further information, see page 4.

<sup>2</sup> For further information, see page 4.

## TYPICAL APPLICATIONS

For further information regarding C-CLAW applications, visit [COLD PAD's YouTube channel](#)



**CABLE TRAYS**

**1**



**CROSS OVER**

**2**



**SMALL PIPE SUPPORT**

**3**



**ELECTRICAL CABINET**

**4**



**LADDERS & SCAFFHOLDING**










**5**



**SAFETY EQUIPMENTS**

**6**

## STANDARD SERVICE CONDITIONS<sup>3</sup>

Specifications	C-CLAW S-300
 Adhesive	Use only the reference qualified by COLD PAD
 Intended design life	35 years
 INSTALLATION temperature	[0°C; +40°C]
 SERVICE temperature	[-20°C; +70°C]
 Base metal thickness	[10mm or above]
 Surface preparation	See Note <sup>4</sup>
 Load type	Tension or Shear, simultaneous or not
 Environment	Can be exposed to marine environment <sup>5</sup>
 Regulatory capacities <sup>6</sup>	<b>3.0 kN (300kg)</b>

## SPECIAL SERVICE CONDITIONS

SERVICE temperature	Base metal thickness	Load type	Regulatory capacities
[+70°C; +100°C]	[10mm or above]	Tension	<b>2.5kN (250kg)</b>
		Shear	<b>1.5kN (150kg)</b>
[-20°C; +70°C]	[5mm; 10mm]	Tension	<b>2.5kN (250kg)</b>
		Shear	<b>1.5kN (150kg)</b>

<sup>3</sup> For any deviation from the standard framework presented in this table, refer to the SPECIAL SERVICE CONDITIONS table or contact COLD PAD

<sup>4</sup> Surface preparation shall follow 010\_PT\_M\_001 [1]. COLD PAD recommends the following devices: Needle Scaler, Bristle Blaster or grit blasting device.

<sup>5</sup> Relative humidity up to 100%, sun, seawater with non-permanent immersion.

<sup>6</sup> The above capacities can be used for both approaches: LRFD and ASD/WSD. For LRFD approach (e.g., Eurocodes), an increasing factor of 1.50 may be applied to the above capacities. For further information, please refer to 010\_RE\_E\_008, *last revision*

## C-CLAW S-300 PARTS AND MATERIALS

Item	Material
Threaded rod	SS* A4-70 (DIN 913)
Nut	SS A4 (DIN 934)
Washer	SS A4 (DIN 9021)
Dish	SS316L (1.4404)
Base structure	Structural steel or other metals

\*SS: Stainless Steel

## C-CLAW S-300 CHARACTERISTICS



Term	Feature	Value
A	Height of C-CLAW S300	42 mm
B	Rod diameter	M8X1.25
C	Rod length	32 mm <sup>7</sup>
D	C-CLAW diameter	70 mm
E	Min. distance between 2 C-CLAW S-300	120 mm
		90 mm (with adapter <sup>8</sup> )
F	Radial clearance	83 mm
		55 mm (with adapter <sup>9</sup> )
	Minimum thickness of base metal	5 mm
<b>Other specifications</b>		<b>Value</b>
	Weight	80g

<sup>7</sup> Standard length can be removable or customized upon request.

<sup>8</sup> Measured axis to axis. This value can be reduced from 120mm to 90mm using a dedicated adapter for installation tool C-Hawk S.

<sup>9</sup> The intended position of C-CLAW S-300's rod should be at least 83mm away from any interference (wall, base plate...) or from the edge of the plate, as per figure above. This value can be reduced to 55mm with a dedicated adapter for installation tool C-Hawk S.

## ADDITIONAL INFORMATION

<b>Additional information</b>	<b>Detail</b>
Earthing	Earthing may not be ensured
Coating	Paint touch-up is not required <sup>10</sup>
Base metal radius curvature	Flat or above 1.3m <sup>10</sup>
Training	1 day
Traceability & inspection	Batch identification number
Shelf life (storage and transportation)	2 years

<sup>10</sup> Please contact COLD PAD for more information.  
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