

Thread Protectors

Pressed steel and cast steel for drillstring components protection

Thread protectors are recommended to protect the pin and box connections when drill string components are being shipped or stored at the warehouse or wellsite.

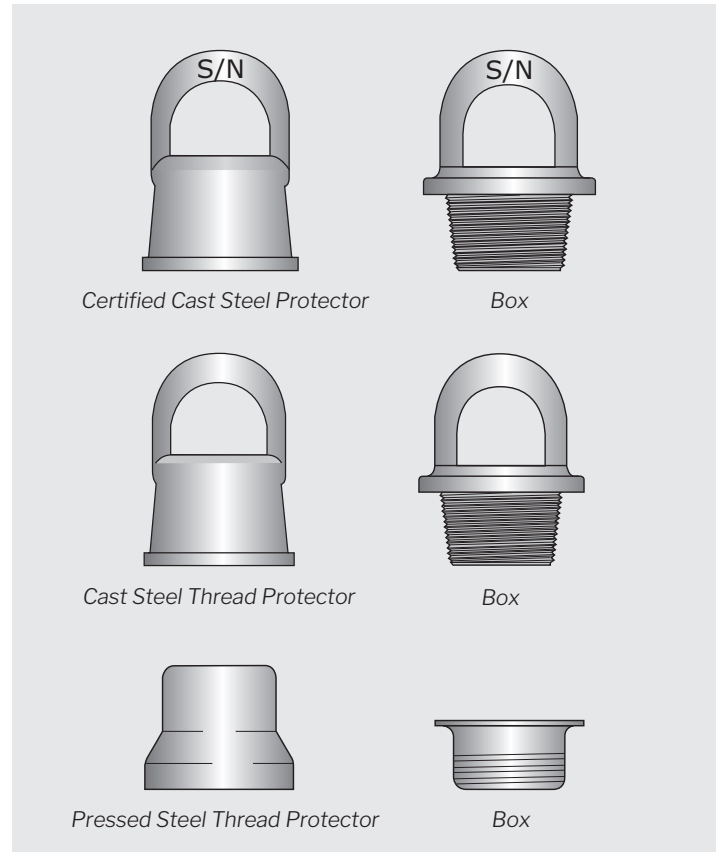
Three types of thread protectors are available:

- Cast-steel thread protectors, with lifting bail, are made from steel castings that meet ASTM specification A 27 Grade 60-30 (60,000 psi tensile-30,000 psi yield). They are equipped with heavy-duty bails to enable drill collars to be picked up and set down with a catline. Cast-steel thread protector's threads and shoulders are precision machined.
- Pressed steel, light-duty protectors are used when drill stem components require shipping and storing protection.
- Plastic light-duty protectors are used when threaded drill stem components need to be protected against shipping or storage.

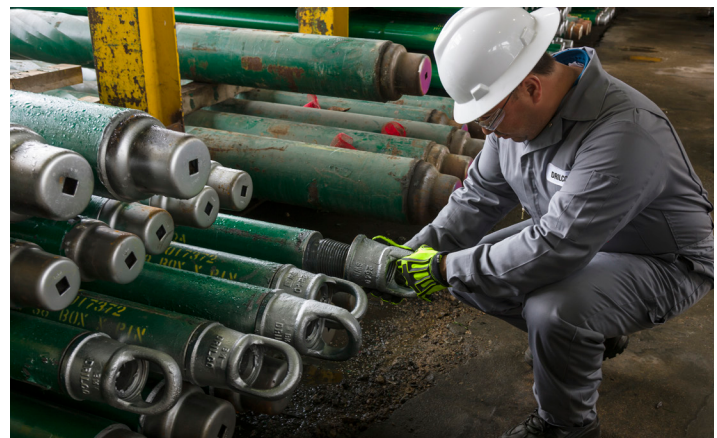
Certified cast steel thread protector

- Certified cast steel thread protectors (CCSTP) with lifting bails offer the ultimate thread protection and have certified lifting capacities to ensure safe handling of tubular products during manufacture, shipping, or at the rig site.
- Each lifting bail is tested to 300% of the maximum anticipated load and NDT-inspected for cracks after pull testing.
- It is capable of picking up one drill collar within the recommended diameter for the type and size of connection on the CCSTP.
- Threads and shoulders are precision machined to ensure proper makeup on the protected connection.
- A unique serial number is permanently affixed to each protector for complete traceability of test date, applied load vs. time, and inspection results.
- Because drill collars are often handled roughly, DRILCO recommends frequent inspection to ensure that the bail is not cracked and that proper makeup to connections is possible.

Note: Cast steel thread protectors are only intended to assist with pick up or lay down of one drill collar at a time.



DRILCO offers three types of steel thread protectors: Certified cast steel and pressed steel.



Thread protectors are recommended when storing or transporting tubulars.

Thread Protectors

CCSTP THREAD PROTECTOR SPECIFICATIONS

BOX Types	Face OD, in. [mm]	Face ID, in. [mm]	OAL, in. [mm]	Weight, lb [kg]	WLL Load Rating
3.5 REG	4.75 [120.65]	2.25 [57.15]	6.5 [165.10]	7 [3.17]	5,000 kgs.
4.5 REG	6.5 [165.10]	n/a	7.5 [190.50]	14 [6.35]	10,000 kgs.
6.6 REG	8.375 [212.73]	5.875 [149.23]	9.5 [241.30]	30 [13.61]	10,000 kgs.
6.6 REG LH	8.375 [212.73]	5.875 [149.23]	9.5 [241.30]	30 [13.61]	10,000 kgs.
6.6 FH	9.375 [238.13]	6.5 [165.10]	9.5 [241.30]	39 [17.69]	10,000 kgs.
6.6 IF	10.25 [260.35]	7.5 [190.50]	12.5 [317.50]	67 [30.39]	10,000 kgs.
7.6 REG	9.375 [238.13]	6.875 [174.63]	9.5 [241.30]	39 [17.69]	10,000 kgs.
7.6 REG LH	9.375 [238.13]	6.875 [174.63]	9.5 [241.30]	39 [17.69]	10,000 kgs.
7.6 H90	9.375 [238.13]	7.25 [184.15]	9.5 [241.30]	44 [19.96]	10,000 kgs.
NC26, 2.3 IF	3.75 [95.25]	3 [76.20]	5.25 [133.35]	5 [2.27]	5,000 kgs.
NC38, 3.5 IF	4.75 [120.65]	4 [101.60]	6.5 [165.10]	11 [4.99]	5,000 kgs.
NC 40, 4.0 FH LH	6.5 [165.10]	4 [101.60]	8 [203.20]	13 [5.89]	10,000 kgs.
NC46, 4.0 IF	6.5 [165.10]	4.75 [120.65]	8 [203.20]	16 [7.26]	10,000 kgs.
NC50, 4.5 IF	7 [177.8]	5.125 [130.18]	8 [203.20]	18 [8.16]	10,000 kgs.
NC56	8.25 [209.55]	5.75 [146.05]	10.5 [266.70]	32 [14.51]	10,000 kgs.

PIN Types

4.5 REG	6.5 [165.10]	4.75 [120.65]	8.5 [215.90]	18 [8.16]	10,000 kgs.
6.6 REG	8.5 [215.90]	7.25 [184.15]	10 [254]	38 [17.24]	10,000 kgs.
6.6 REG LH	8.5 [215.90]	7.25 [184.15]	10 [254]	38 [17.24]	10,000 kgs.
6.6 FH	9.5 [241.30]	6.875 [174.63]	11 [279.40]	40 [18.14]	10,000 kgs.
6.6 H90	8 [203.20]	6 [152.40]	10 [254]	34 [15.42]	10,000 kgs.
7.6 REG	9.5 [241.30]	7.125 [180.96]	11 [279.40]	45 [20.41]	10,000 kgs.
7.6 REG LH	9.5 [241.30]	7.125 [180.96]	11 [279.40]	45 [20.41]	10,000 kgs.
NC38, 3.5 IF	5 [127]	4 [101.60]	7.5 [190.50]	9 [4.08]	5,000 kgs.
NC40, 4.0 FH LH	6.5 [165.10]	4.25 [107.95]	8.5 [215.90]	20 [9.07]	10,000 kgs.
NC46, 4.0 IF	6.375 [161.93]	5 [127]	8.5 [215.90]	13 [5.89]	10,000 kgs.
NC50, 4.5 IF	7 [177.8]	5.375 [136.53]	9 [228.60]	17 [7.71]	10,000 kgs.
NC61	8.875 [225.43]	6.5 [165.10]	12 [304.80]	52 [23.59]	10,000 kgs.
NC84	11.75 [298.45]	9 [228.60]	18 [457.20]	150 [68.04]	10,000 kgs.
XT-39	5 [127]	4.125 [104.76]	8.25 [209.55]	8 [3.63]	5,000 kgs.