TECHNICAL DATA SHEET

# ABB cable glands – STE Star Teck® extreme series

## Industrial applications



The STAR TECK® STE fitting for Teck, MC and ACWU - its innovative design provides quality engineering, easier installation and helps achieve safer, more reliable terminations in challenging industrial environments. The STE offers a broader cable range per fitting compared to the regular ST series.

**Certifications / Standards:**

**Features & Benefits:**

- Excellent pullout strength
- Robust metallic construction
- Quick and easy installation without disassembly
- Extended clamping range taking
- Provides grounding continuity of cable armor
- Splined gland and gripping features for ease of installation
- Removable armor-stop for greater cable ranges

**Applications:**

- Provides means for passing jacketed metal clad cables through a bulkhead or enclosure in industrial and hazardous areas
- Oil and gas Industry, chemical and industrial markets
- Construction and installation zones where metal clad cables are specified
- Suitable for cable types:
  - Jacketed Teck and ACWU
  - Armored control and instrument (ACIC)
  - Type MC:
    Jacketed corrugated metal clad (aluminum and steel)

**Material:**

- Copper free aluminum
- Zinc plated steel option

**Environmental ratings:**

**Working Temperature:**

- Normal use -40 to +90°C (-40 to +194°F)

**Ingress protection:**

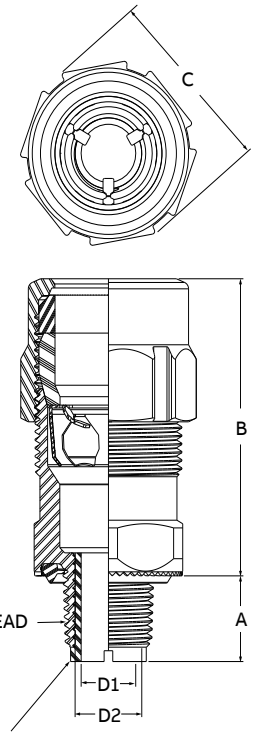
- Type 4 / 4X

**Chemical resistance guide:**

- See publication TDS000081

**Conforms to:**

- CSA E60079-0/ -7
  - Ex e II
- CSA C22.2 No.25/-174
  - Class I Div1 ABCD Class II Div1 EFG Class III Div1
  - Refer to CEC for specific applications
- UL2279
  - Class I, Zone 1, AEx e II
- UL514B/50 and CSA C22.2-18.3/-94
  - Wet and Dry Locations
  - Suitable for Class I Div 2, Class II Div 2 and Class III location per NEC
- RoHS (Restriction of Hazardous Substances Directive) 2011/65/EU Incorporating 2015/863 amendment to Annex II




REMOVABLE ARMOR STOP, SEE "D" DIMENSIONS
D1 = WITH ARMOR STOP
D2 = WITHOUT ARMOR STOP

**Product selection**

| Part no: | Thread (NPT) | Range over jacket | | Range over armour | | Nominal dimensions | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Min | Max | Min | Max | A | B | C | D1 | D2 |
| STE050 DATA | 1/2 | **12.70** | **17.78** | **10.41** | **15.49** | **15.75** | **53.34** | **34.54** | **9.53** | **13.08** |
| | | (0.500) | (0.700) | (0.410) | (0.610) | (0.620) | (2.100) | (1.360) | (0.375) | (0.515) |
| STE050 | 1/2 | **15.24** | **25.02** | **13.21** | **22.73** | **15.75** | **64.01** | **41.40** | **12.83** | **15.67** |
| | | (0.600) | (0.985) | (0.520) | (0.895) | (0.620) | (2.520) | (1.630) | (0.505) | (0.617) |
| STE075 | 3/4 | **21.84** | **30.61** | **19.81** | **28.58** | **16.00** | **72.14** | **52.83** | **16.38** | **20.85** |
| | | (0.860) | (1.205) | (0.780) | (1.125) | (0.630) | (2.840) | (2.080) | (0.645) | (0.821) |
| STE100 | 1 | **24.13** | **34.93** | **22.10** | **32.89** | **19.94** | **76.71** | **58.42** | **19.94** | **26.54** |
| | | (0.950) | (1.375) | (0.870) | (1.295) | (0.785) | (3.020) | (2.300) | (0.785) | (1.045) |
| STE125 | 1-1/4 | **29.21** | **41.28** | **25.15** | **37.21** | **20.57** | **101.85** | **71.63** | **24.64** | **31.75** |
| | | (1.150) | (1.625) | (0.990) | (1.465) | (0.810) | (4.010) | (2.820) | (0.970) | (1.250) |
| STE150 | 1-1/2 | **36.58** | **49.91** | **32.51** | **45.85** | **20.96** | **108.97** | **82.55** | **32.00** | **39.67** |
| | | (1.440) | (1.965) | (1.280) | (1.805) | (0.825) | (4.290) | (3.250) | (1.260) | (1.562) |
| STE200 | 2 | **46.36** | **60.33** | **42.29** | **56.26** | **21.84** | **104.65** | **91.44** | **41.78** | **50.17** |
| | | (1.825) | (2.375) | (1.665) | (2.215) | (0.860) | (4.120) | (3.600) | (1.645) | (1.975) |
| STE250 | 2-1/2 | **57.53** | **72.14** | **53.47** | **68.07** | **32.51** | **144.02** | **120.65** | **52.71** | **61.72** |
| | | (2.265) | (2.840) | (2.105) | (2.680) | (1.280) | (5.670) | (4.750) | (2.075) | (2.430) |
| STE300 | 3 | **67.82** | **83.06** | **64.64** | **79.88** | **33.66** | **146.81** | **137.16** | **64.29** | **73.56** |
| | | (2.670) | (3.270) | (2.545) | (3.145) | (1.325) | (5.780) | (5.400) | (2.531) | (2.896) |
| STE350 | 3-1/2 | **81.79** | **98.30** | **78.49** | **92.46** | **35.31** | **145.80** | **149.86** | **77.85** | **86.87** |
| | | (3.220) | (3.870) | (3.090) | (3.640) | (1.390) | (5.740) | (5.900) | (3.065) | (3.420) |
| STE400 | 4 | **93.09** | **110.24** | **90.17** | **107.32** | **35.31** | **147.07** | **162.56** | **89.54** | **99.57** |
| | | (3.665) | (4.340) | (3.550) | (4.225) | (1.390) | (5.790) | (6.400) | (3.525) | (3.920) |

To order steel version, add suffix "S". Ex: STE050S
Contact your representative for availability
Dimensions may vary depending on material selection.
Note: Product must be installed in accordance with applicable national and local electrical codes.

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