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 TECHNICAL DATA SHEET

# ABB cable glands – STE Star Teck®

## extreme series

### Industrial applications



The STAR TECK® STE fitting for Teck, MC and ACWU cable set the standard for ease of installation, quality engineering and safe, reliable terminations in challenging industrial environments. The STE offers a broader cable range per fitting compared to the regular ST series.

#### Certifications / Standards:




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#### 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

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#### 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)

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#### Material:

- Copper free aluminium
- Zinc plated steel option

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#### Environmental ratings:

##### Working Temperature:

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

##### Ingress protection:

- Type 4 / 4X

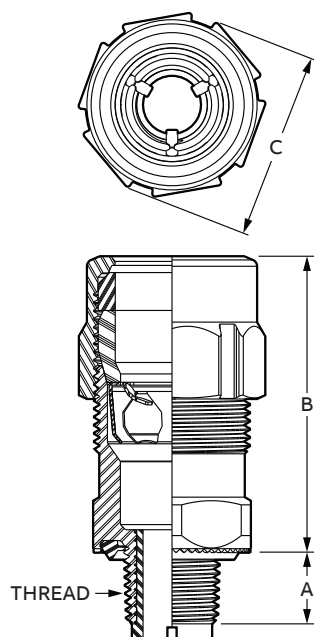
##### Chemical resistance guide:

- See publication TDS000081

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#### 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



### Product selection

Part no:	Thread (NPT)	Range over jacket		Range over armour		Nominal dimensions		
		Min	Max	Min	Max	A	B	C
STE050 DATA	1/2	<b>12.70</b>	<b>17.78</b>	<b>10.41</b>	<b>15.49</b>	<b>15.75</b>	<b>53.34</b>	<b>34.54</b>
		(0.500)	(0.700)	(0.410)	(0.610)	(0.620)	(2.100)	(1.360)
STE050	1/2	<b>15.24</b>	<b>25.02</b>	<b>13.21</b>	<b>22.73</b>	<b>15.75</b>	<b>64.01</b>	<b>41.40</b>
		(0.600)	(0.985)	(0.520)	(0.895)	(0.620)	(2.520)	(1.630)
STE075	3/4	<b>21.84</b>	<b>30.61</b>	<b>19.81</b>	<b>28.58</b>	<b>16.00</b>	<b>72.14</b>	<b>52.83</b>
		(0.860)	(1.205)	(0.780)	(1.125)	(0.630)	(2.840)	(2.080)
STE100	1	<b>24.13</b>	<b>34.93</b>	<b>22.10</b>	<b>32.89</b>	<b>19.94</b>	<b>76.71</b>	<b>58.42</b>
		(0.950)	(1.375)	(0.870)	(1.295)	(0.785)	(3.020)	(2.300)
STE125	1-1/4	<b>29.21</b>	<b>41.28</b>	<b>25.15</b>	<b>37.21</b>	<b>20.57</b>	<b>101.85</b>	<b>71.63</b>
		(1.150)	(1.625)	(0.990)	(1.465)	(0.810)	(4.010)	(2.820)
STE150	1-1/2	<b>36.58</b>	<b>49.91</b>	<b>32.51</b>	<b>45.85</b>	<b>20.96</b>	<b>108.97</b>	<b>82.55</b>
		(1.440)	(1.965)	(1.280)	(1.805)	(0.825)	(4.290)	(3.250)
STE200	2	<b>46.36</b>	<b>60.33</b>	<b>42.29</b>	<b>56.26</b>	<b>21.84</b>	<b>104.65</b>	<b>91.44</b>
		(1.825)	(2.375)	(1.665)	(2.215)	(0.860)	(4.120)	(3.600)
STE250	2-1/2	<b>57.53</b>	<b>72.14</b>	<b>53.47</b>	<b>68.07</b>	<b>32.51</b>	<b>144.02</b>	<b>120.65</b>
		(2.265)	(2.840)	(2.105)	(2.680)	(1.280)	(5.670)	(4.750)
STE300	3	<b>67.82</b>	<b>83.06</b>	<b>64.64</b>	<b>79.88</b>	<b>33.66</b>	<b>146.81</b>	<b>137.16</b>
		(2.670)	(3.270)	(2.545)	(3.145)	(1.325)	(5.780)	(5.400)
STE350	3-1/2	<b>81.79</b>	<b>98.30</b>	<b>78.49</b>	<b>92.46</b>	<b>35.31</b>	<b>145.80</b>	<b>149.86</b>
		(3.220)	(3.870)	(3.090)	(3.640)	(1.390)	(5.740)	(5.900)
STE400	4	<b>93.09</b>	<b>110.24</b>	<b>90.17</b>	<b>107.32</b>	<b>35.31</b>	<b>147.07</b>	<b>162.56</b>
		(3.665)	(4.340)	(3.550)	(4.225)	(1.390)	(5.790)	(6.400)

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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