

Channels (GOST 535-2005, GOST 8240-97, GOST 380-2005)

| № | Grade | Height h, mm | | | Flange width b, mm | | | Wall thickness S, mm | | | Flange thickness t, mm | | Inner radius R | Flanges radius r | Cross sectional area F, cm ² | Running meter 1 m, kg | | | Steel grade | Mechanical properties | | | Cold bending | Bending | Distance from the outside wall to the Y-Y border is X0,mm |
|---|-------|--------------|-----|------|--------------------|-----|------|----------------------|-----|-----|------------------------|-----|----------------|------------------|---|-----------------------|------|----------------------------------|-------------|----------------------------------|-----|----|--------------|---------|---|
| | | min | nom | max | min | nom | max | min | nom | max | min | nom | max | min | | nom | max | R _T N/mm ² | | R _m N/mm ² | δ % | | | | |
| 1 | 8Y | 78,5 | 80 | 81,5 | 38,5 | 40 | 41,5 | 4 | 4,5 | 5 | 6,9 | 7,4 | 6,5 | 2,5 | 8,98 | 6,77 | 7,05 | 7,33 | Ст3пс | 245 | 480 | 26 | 90° | d=a | 131 |
| 2 | 10Y | 98 | 100 | 102 | 44 | 46 | 48 | 4 | 4,5 | 5 | 7,1 | 7,6 | 7 | 3 | 10,9 | 8,25 | 8,59 | 8,93 | Ст3пс | 245 | 480 | 26 | 90° | d=a | 144 |
| 3 | 12Y | 118 | 120 | 122 | 50 | 52 | 54 | 4,3 | 4,8 | 5,3 | 7,3 | 7,8 | 7,5 | 3 | 13,3 | 9,98 | 10,4 | 10,8 | Ст3пс | 245 | 480 | 26 | 90° | d=a | 154 |
| 4 | 14Y | 138 | 140 | 142 | 56 | 58 | 60 | 4,4 | 4,9 | 5,4 | 7,6 | 8,1 | 8 | 3 | 15,6 | 11,8 | 12,3 | 12,8 | Ст3пс | 245 | 480 | 26 | 90° | d=a | 167 |
| 5 | 16Y | 158 | 160 | 162 | 62 | 64 | 66 | 4,5 | 5 | 5,5 | 7,9 | 8,4 | 8,5 | 3,5 | 18,1 | 13,6 | 14,2 | 14,8 | Ст3пс | 245 | 480 | 26 | 90° | d=a | 180 |

Note:

1.Channels can be manufactured in lengths from 2 to 12 m.

2.Channels longer than 12 m can be manufactured upon request.

3.Maximum deviation accepted for channels 2-8 m long (+40 mm)

4.For channels longer than 8 m, a deviation of 40+5 (l-8) mm is allowed.

5.Maximum deviation in length should not exceed 100 mm.

6.The longitudinal curvature of the channel should be less than 0.2%.

7.C_э should not exceed 45%

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