

Y2320-20041102

Y2320 – PLATE FLATNESS REQUIREMENTS

FLATNESS. PLATES OVER 3/16 INCH THICK ORDERED TO T9074-BD-GIB-010/0300, ASTM A945 AND ABS RULES SHALL BE FLAT WITHIN THE TOLERANCE SPECIFIED IN THE FOLLOWING TABLE.

Grade: ABS, OS(A, B & D) & HS(DH36)

Gauge	Width	Max Length	Flatness (of ASTM A6)	Applicable ASTM A6 Table	Precise Weight (Y/N)
3/16" -7/32"	72" -126"	120" -580"	Full	Table 13	Y
1/4" -11/32"	72" -126"	120" -580"	Full	Table 13	Y
>or=3/8" PL to 1"	72" - 150"	120" -580"	1/2 std	Table 13	Y
>1" PL to 1 1/4"	72" - 144"	120" -580"	1/2 std	Table 13	Y
>1 1/4" PL to 1 1/2"	72" - 132"	120" -580"	1/2 std	Table 13	Y
>1 1/2" PL to 1 3/4"	72" - 120"	120" -580"	1/2 std	Table 13	Y
>1 3/4" PL to 2 1/4"	72" - 108"	120" -580"	1/2 std	Table 13	Y
>2 1/4" PL to 2 1/2"	72" - 96"	120" -580"	1/2 std	Table 13	Y
>2 1/2" PL to 3"	72" - 84"	120" -580"	1/2 std	Table 13	Y
>3" PL to 4"	72"	120" - 340"	1/2 std	Table 13	Y

Grade: HSLA-65; ASTM A945 Grade 65 (Note 1)

Gauge	Width	Max Length	Flatness (of ASTM A6)	Applicable ASTM A6 Table	Precise Weight (Y/N)
3/16" - 7/32"	72" - 84"	120" - 480"	Full	Table 14	Y
3/16" -7/32"	84" - 96"	120" - 480"	Best Effort	Table 14	N
1/4" - 11/32"	72" - 96"	120" - 480"	Full	Table 14	Y
1/4" - 11/32"	96" - 120"	120" - 580"	Best Effort	Table 14	N

3/8" - <1/2"	72" - 120"	120" - 580"	1/2 std	Table 14	Y
3/8" - <1/2"	120" - 144"	120" - 580"	Best Effort	Table 14	N
1/2" - 1"	72" - 144"	120" - 580"	1/2 std	Table 14	Y
1/2" - 1"	144" - 150"	120" - 580"	Best Effort	Table 14	N
>1" - 1 1/4"	72" - 144"	120" - 460"	1/2 std	Table 14	Y
>1" - 1 1/4"	144" - 150"	120" - 460"	Best Effort	Table 14	N
1 3/8" - - 2 1/2"	72" - 130"	120" - 540"	1/2 std	Table 14	N

Grade: HSLA-80 & 100; HY-80 & 100; T9074-BD-GIB-010/0300

Gauge	Width	Max Length	Flatness (of ASTM A6)	Applicable ASTM A6 Table	Precise Weight (Y/N)
3/16" to <2"	72" - 130"	120" - 540"	1/2 std	Table 14 (Note 2)	N
2" and greater	72" - 130"	120" - 540"	Full	Table 14 (Note 2)	N

Note(1) All Quenched and Tempered HSLA-65 require 1/2 standard flatness

Note(2) ASTM A6 Table 14 and Applicable Tables of T9074-BD-GIB-010/0300 are identical in value and requirement