

Coded Note Number: **Y2320**

Revision: **C001**

Date: **October 20, 2017**

Title: **PLATE FLATNESS REQUIREMENTS**

**This revision history is provided for convenience and does not alleviate the supplier's responsibility with understanding and complying with the full coded note.**

**Change from Revision A – Editorial change to reformat to current standard.**

**Bolded font indicates changed/added content.**

**[Text deleted] inserted in the document indicates the removal of content.**

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" -	72" –	120" –	Full	Table 14	Y

7/32"	84"	480"			
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					
	Width	Max Length	Flatness (of ASTM A6)	Applicable ASTM A6 Table	Precise Weight (Y/N)
Gauge					
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