

CORRECTION

Shear Tab Design Tables

ASD/LRFD Volume II—Connections

The following are corrected tables for pages C-11 and C-12 of the *AISC Manual of Steel Construction Volume II—Connections*.

Single-Plate Shear Connections Rigid Support—Standard Holes						
Allowable loads in kips $n = 2$ $L = 6$						
Plate Thickness, t in.	Bolt Size, in.					
	$\frac{3}{4}$		$\frac{7}{8}$		1	
	Load	Weld	Load	Weld	Load	Weld
$\frac{1}{4}$	10.9	$\frac{3}{16}$	14.9	$\frac{3}{16}$	16.9	$\frac{3}{16}$
$\frac{5}{16}$	10.9	$\frac{1}{4}$	14.9	$\frac{1}{4}$	19.5	$\frac{1}{4}$
$\frac{3}{8}$	10.9	$\frac{5}{16}$	14.9	$\frac{5}{16}$	19.5	$\frac{5}{16}$
$\frac{7}{16}$	10.9	$\frac{3}{8}$	14.9	$\frac{3}{8}$	19.5	$\frac{3}{8}$
$\frac{1}{2}$	—	—	14.9	$\frac{3}{8}$	19.5	$\frac{3}{8}$
$\frac{9}{16}$	—	—	—	—	19.5	$\frac{7}{16}$
$\frac{1}{4}$	14.6	$\frac{3}{16}$	17.9	$\frac{3}{16}$	16.9	$\frac{3}{16}$
$\frac{5}{16}$	14.6	$\frac{1}{4}$	19.9	$\frac{1}{4}$	21.1	$\frac{1}{4}$
$\frac{3}{8}$	14.6	$\frac{5}{16}$	19.9	$\frac{5}{16}$	25.3	$\frac{5}{16}$
$\frac{7}{16}$	14.6	$\frac{3}{8}$	19.9	$\frac{3}{8}$	25.9	$\frac{3}{8}$
$\frac{1}{2}$	—	—	19.9	$\frac{3}{8}$	25.9	$\frac{3}{8}$
$\frac{9}{16}$	—	—	—	—	25.9	$\frac{7}{16}$

Single-Plate Shear Connections Rigid Support—Standard Holes						
Allowable loads in kips $n = 3$ $L = 9$						
Plate Thickness, t in.	Bolt Size, in.					
	$\frac{3}{4}$		$\frac{7}{8}$		1	
	Load	Weld	Load	Weld	Load	Weld
$\frac{1}{4}$	24.1	$\frac{3}{16}$	26.9	$\frac{3}{16}$	25.3	$\frac{3}{16}$
$\frac{5}{16}$	24.1	$\frac{1}{4}$	32.8	$\frac{1}{4}$	31.6	$\frac{1}{4}$
$\frac{3}{8}$	24.1	$\frac{5}{16}$	32.8	$\frac{5}{16}$	37.9	$\frac{5}{16}$
$\frac{7}{16}$	24.1	$\frac{3}{8}$	32.8	$\frac{3}{8}$	42.9	$\frac{3}{8}$
$\frac{1}{2}$	—	—	32.8	$\frac{3}{8}$	42.9	$\frac{3}{8}$
$\frac{9}{16}$	—	—	—	—	42.9	$\frac{7}{16}$
$\frac{1}{4}$	28.5	$\frac{3}{16}$	26.9	$\frac{3}{16}$	25.3	$\frac{3}{16}$
$\frac{5}{16}$	32.2	$\frac{1}{4}$	33.6	$\frac{1}{4}$	31.6	$\frac{1}{4}$
$\frac{3}{8}$	32.2	$\frac{5}{16}$	40.4	$\frac{5}{16}$	37.9	$\frac{5}{16}$
$\frac{7}{16}$	32.2	$\frac{3}{8}$	43.8	$\frac{3}{8}$	44.2	$\frac{3}{8}$
$\frac{1}{2}$	—	—	43.8	$\frac{3}{8}$	50.6	$\frac{3}{8}$
$\frac{9}{16}$	—	—	—	—	56.9	$\frac{7}{16}$

Single-Plate Shear Connections Rigid Support—Standard Holes						
Design loads in kips $n = 2$ $L = 6$						
Plate Thickness, t in.	Bolt Size, in.					
	$\frac{3}{4}$		$\frac{7}{8}$		1	
	Load	Weld	Load	Weld	Load	Weld
$\frac{1}{4}$	18.3	$\frac{3}{16}$	24.9	$\frac{3}{16}$	25.3	$\frac{3}{16}$
$\frac{5}{16}$	18.3	$\frac{1}{4}$	24.9	$\frac{1}{4}$	31.6	$\frac{1}{4}$
$\frac{3}{8}$	18.3	$\frac{5}{16}$	24.9	$\frac{5}{16}$	32.5	$\frac{5}{16}$
$\frac{7}{16}$	18.3	$\frac{3}{8}$	24.9	$\frac{3}{8}$	32.5	$\frac{3}{8}$
$\frac{1}{2}$	—	—	24.9	$\frac{3}{8}$	32.5	$\frac{3}{8}$
$\frac{9}{16}$	—	—	—	—	32.5	$\frac{7}{16}$
$\frac{1}{4}$	22.9	$\frac{3}{16}$	26.9	$\frac{3}{16}$	25.3	$\frac{3}{16}$
$\frac{5}{16}$	22.9	$\frac{1}{4}$	31.1	$\frac{1}{4}$	31.6	$\frac{1}{4}$
$\frac{3}{8}$	22.9	$\frac{5}{16}$	31.1	$\frac{5}{16}$	37.9	$\frac{5}{16}$
$\frac{7}{16}$	22.9	$\frac{3}{8}$	31.1	$\frac{3}{8}$	40.7	$\frac{3}{8}$
$\frac{1}{2}$	—	—	31.1	$\frac{3}{8}$	40.7	$\frac{3}{8}$
$\frac{9}{16}$	—	—	—	—	40.7	$\frac{7}{16}$

Single-Plate Shear Connections Rigid Support—Standard Holes						
Design loads in kips $n = 3$ $L = 9$						
Plate Thickness, t in.	Bolt Size, in.					
	$\frac{3}{4}$		$\frac{7}{8}$		1	
	Load	Weld	Load	Weld	Load	Weld
$\frac{1}{4}$	40.3	$\frac{3}{16}$	40.4	$\frac{3}{16}$	37.9	$\frac{3}{16}$
$\frac{5}{16}$	40.3	$\frac{1}{4}$	50.5	$\frac{1}{4}$	47.4	$\frac{1}{4}$
$\frac{3}{8}$	40.3	$\frac{5}{16}$	54.9	$\frac{5}{16}$	56.9	$\frac{5}{16}$
$\frac{7}{16}$	40.3	$\frac{3}{8}$	54.9	$\frac{3}{8}$	66.4	$\frac{3}{8}$
$\frac{1}{2}$	—	—	54.9	$\frac{3}{8}$	71.7	$\frac{3}{8}$
$\frac{9}{16}$	—	—	—	—	71.7	$\frac{7}{16}$
$\frac{1}{4}$	42.8	$\frac{3}{16}$	40.4	$\frac{3}{16}$	37.9	$\frac{3}{16}$
$\frac{5}{16}$	50.4	$\frac{1}{4}$	50.5	$\frac{1}{4}$	47.4	$\frac{1}{4}$
$\frac{3}{8}$	50.4	$\frac{5}{16}$	60.6	$\frac{5}{16}$	56.9	$\frac{5}{16}$
$\frac{7}{16}$	50.4	$\frac{3}{8}$	68.6	$\frac{3}{8}$	66.4	$\frac{3}{8}$
$\frac{1}{2}$	—	—	68.6	$\frac{3}{8}$	75.9	$\frac{3}{8}$
$\frac{9}{16}$	—	—	—	—	85.3	$\frac{7}{16}$