

Structural Studs: Allowable Ceiling Spans - Deflection Limit L/240

Stud Member	Fy, ksi	4psf						6psf						8psf					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unbraced			Midspan Braced			Unbraced			Midspan Braced			Unbraced			Midspan Braced		
		Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
362S162-33	33	14'-1"	13'-1"	11'-9"	19'-8"	18'-2"	16'-4"	12'-8"	11'-9"	10'-7"	17'-8"	16'-4"	14'-5"	11'-9"	10'-11"	9'-10"	16'-4"	15'-0"	13'-1"
400S162-33		14'-6"	13'-5"	12'-1"	20'-1"	18'-8"	16'-9"	13'-1"	12'-1"	10'-10"	18'-1"	16'-9"	15'-0"	12'-1"	11'-3"	10'-1"	16'-9"	15'-6"	13'-8"
550S162-33		15'-11"	14'-9"	13'-3"	22'-3"	20'-8"	18'-7"	14'-4"	13'-3"	12'-0"	20'-0"	18'-7"	16'-9"	13'-3"	12'-4"	11'-1"	18'-7"	17'-3"	15'-7"
600S162-33		16'-4"	15'-2"	13'-7"	22'-9"	21'-2"	19'-1"	14'-8"	13'-7"	12'-3"	20'-6"	19'-1"	17'-3"	13'-7"	12'-8"	11'-5"	19'-1"	17'-9"	16'-0"
800S162-33*		17'-9"	16'-6"	14'-10"	24'-9"	22'-11"	20'-7"	16'-0"	14'-10"	13'-4"	22'-2"	20'-7"	18'-5"	14'-10"	13'-9"	12'-4"	20'-7"	19'-0"	17'-1"
362S162-43	33	15'-6"	14'-3"	12'-9"	21'-2"	19'-8"	17'-8"	13'-10"	12'-9"	11'-5"	19'-0"	17'-8"	15'-9"	12'-9"	11'-10"	10'-7"	17'-8"	16'-4"	14'-3"
400S162-43		15'-11"	14'-8"	13'-1"	21'-10"	20'-2"	18'-2"	14'-2"	13'-1"	11'-9"	19'-7"	18'-2"	16'-4"	13'-1"	12'-2"	10'-11"	18'-2"	16'-10"	15'-0"
550S162-43		17'-4"	16'-0"	14'-4"	23'-11"	22'-2"	19'-11"	15'-6"	14'-4"	12'-11"	21'-6"	19'-11"	18'-0"	14'-4"	13'-4"	11'-11"	19'-11"	18'-6"	16'-8"
600S162-43		17'-9"	16'-5"	14'-9"	24'-6"	22'-9"	20'-6"	15'-11"	14'-9"	13'-3"	22'-1"	20'-6"	18'-5"	14'-9"	13'-8"	12'-3"	20'-6"	19'-0"	17'-1"
800S162-43		19'-2"	17'-9"	16'-0"	26'-8"	24'-9"	22'-3"	17'-3"	16'-0"	14'-4"	24'-0"	22'-3"	20'-1"	16'-0"	14'-10"	13'-4"	22'-3"	20'-8"	18'-7"
1000S162-43*		20'-5"	18'-11"	17'-0"	28'-5"	26'-5"	23'-9"	18'-4"	17'-0"	15'-4"	25'-7"	23'-9"	21'-3"	17'-0"	15'-10"	14'-3"	23'-9"	22'-0"	19'-8"
362S162-54	50	17'-0"	15'-8"	13'-11"	22'-10"	21'-1"	18'-10"	15'-1"	13'-11"	12'-5"	20'-5"	18'-10"	16'-10"	13'-11"	12'-10"	11'-5"	18'-10"	17'-6"	15'-4"
400S162-54		17'-5"	16'-0"	14'-3"	23'-5"	21'-8"	19'-5"	15'-5"	14'-3"	12'-8"	21'-0"	19'-5"	17'-5"	14'-3"	13'-1"	11'-9"	19'-5"	17'-11"	16'-1"
550S162-54		18'-10"	17'-4"	15'-6"	25'-8"	23'-8"	21'-3"	16'-10"	15'-6"	13'-10"	23'-0"	21'-3"	19'-1"	15'-6"	14'-4"	12'-10"	21'-3"	19'-8"	17'-9"
600S162-54		19'-3"	17'-9"	15'-10"	26'-3"	24'-3"	21'-10"	17'-2"	15'-10"	14'-2"	23'-6"	21'-10"	19'-7"	15'-10"	14'-8"	13'-1"	21'-10"	20'-2"	18'-2"
800S162-54		20'-8"	19'-1"	17'-1"	28'-5"	26'-4"	23'-8"	18'-6"	17'-1"	15'-4"	25'-6"	23'-8"	21'-3"	17'-1"	15'-10"	14'-2"	23'-8"	21'-11"	19'-9"
1000S162-54		21'-11"	20'-3"	18'-2"	30'-3"	28'-1"	25'-3"	19'-8"	18'-2"	16'-4"	27'-2"	25'-3"	22'-9"	18'-2"	16'-10"	15'-1"	25'-3"	23'-5"	21'-1"
1200S162-54*		23'-0"	21'-4"	19'-1"	31'-10"	29'-7"	26'-7"	20'-8"	19'-1"	17'-2"	28'-8"	26'-7"	24'-0"	19'-1"	17'-9"	15'-11"	26'-7"	24'-8"	22'-2"
362S162-68	50	19'-1"	17'-5"	15'-5"	25'-0"	23'-0"	20'-5"	16'-10"	15'-5"	13'-7"	22'-2"	20'-5"	18'-0"	15'-5"	14'-1"	12'-6"	20'-5"	18'-9"	16'-4"
400S162-68		19'-5"	17'-9"	15'-8"	25'-7"	23'-6"	20'-11"	17'-2"	15'-8"	13'-11"	22'-9"	20'-11"	18'-8"	15'-8"	14'-5"	12'-9"	20'-11"	19'-4"	17'-3"
550S162-68		20'-9"	19'-1"	16'-11"	27'-9"	25'-7"	22'-10"	18'-5"	16'-11"	15'-1"	24'-9"	22'-10"	20'-5"	16'-11"	15'-7"	13'-10"	22'-10"	21'-1"	18'-11"
600S162-68		21'-2"	19'-5"	17'-3"	28'-4"	26'-2"	23'-5"	18'-9"	17'-3"	15'-5"	25'-4"	23'-5"	20'-11"	17'-3"	15'-11"	14'-2"	23'-5"	21'-7"	19'-5"
800S162-68		22'-7"	20'-10"	18'-6"	30'-6"	28'-3"	25'-3"	20'-1"	18'-6"	16'-6"	27'-4"	25'-3"	22'-8"	18'-6"	17'-1"	15'-3"	25'-3"	23'-5"	21'-0"
1000S162-68		23'-10"	22'-0"	19'-7"	32'-5"	30'-0"	26'-11"	21'-3"	19'-7"	17'-6"	29'-0"	26'-11"	24'-2"	19'-7"	18'-1"	16'-2"	26'-11"	24'-11"	22'-5"
1200S162-68		24'-11"	23'-0"	20'-7"	34'-0"	31'-6"	28'-3"	22'-3"	20'-7"	18'-5"	30'-6"	28'-3"	25'-5"	20'-7"	19'-0"	17'-0"	28'-3"	26'-3"	23'-7"
362S162-97	50	23'-0"	21'-0"	18'-5"	28'-8"	26'-0"	22'-9"	20'-3"	18'-5"	16'-2"	25'-0"	22'-9"	19'-10"	18'-5"	16'-10"	14'-10"	22'-9"	20'-8"	18'-1"
400S162-97		23'-5"	21'-4"	18'-9"	30'-2"	27'-7"	24'-4"	20'-7"	18'-9"	16'-6"	26'-7"	24'-4"	21'-6"	18'-9"	17'-1"	15'-1"	24'-4"	22'-3"	19'-6"
550S162-97		24'-9"	22'-7"	19'-11"	32'-2"	29'-5"	26'-1"	21'-9"	19'-11"	17'-7"	28'-5"	26'-1"	23'-2"	19'-11"	18'-2"	16'-1"	26'-1"	24'-0"	21'-4"
600S162-97		25'-2"	23'-0"	20'-3"	32'-9"	30'-0"	26'-7"	22'-2"	20'-3"	17'-10"	29'-0"	26'-7"	23'-8"	20'-3"	18'-6"	16'-4"	26'-7"	24'-5"	21'-9"
800S162-97		26'-7"	24'-4"	21'-5"	34'-10"	32'-0"	28'-6"	23'-5"	21'-5"	19'-0"	30'-11"	28'-6"	25'-4"	21'-5"	19'-8"	17'-5"	28'-6"	26'-3"	23'-5"
1000S162-97		27'-9"	25'-5"	22'-6"	36'-8"	33'-9"	30'-1"	24'-7"	22'-6"	19'-11"	32'-8"	30'-1"	26'-10"	22'-6"	20'-8"	18'-4"	30'-1"	27'-9"	24'-9"
1200S162-97		28'-10"	26'-5"	23'-5"	38'-4"	35'-3"	31'-6"	25'-6"	23'-5"	20'-10"	34'-2"	31'-6"	28'-2"	23'-5"	21'-6"	19'-2"	31'-6"	29'-1"	26'-0"

Notes:

- For unbraced sections, allowable moment is based on AISI S100-16 (2020) w/S2-20 Specification Section F2 & F3 with weak axis and torsional unbraced length assumed to be the listed span (completely unbraced). For mid-span braced sections, allowable moment based on Section F2 & F3 with weak axis and torsional unbraced length assumed to be one-half of the listed span (bracing at midspan).
 - Web crippling calculation based on bearing length = 1 inch.
 - Web crippling and shear capacity have not been reduced for punchouts. If web punchouts occur near support members must be checked for reduced shear and web crippling in accordance with the AISI S100 Specification.
 - Values are for simple span conditions.
- * Web depth-to-thickness ratio greater than 200, web stiffeners required at supports.

Structural Studs: Allowable Ceiling Spans - Deflection Limit L/360

Stud Member	Fy, ksi	4psf						6psf						8psf					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unbraced			Midspan Braced			Unbraced			Midspan Braced			Unbraced			Midspan Braced		
		Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
362S162-33	33	14'-1"	13'-1"	11'-9"	18'-2"	16'-6"	14'-5"	12'-8"	11'-9"	10'-7"	15'-11"	14'-5"	12'-7"	11'-9"	10'-11"	9'-10"	14'-5"	13'-1"	11'-6"
400S162-33		14'-6"	13'-5"	12'-1"	19'-8"	17'-10"	15'-7"	13'-1"	12'-1"	10'-10"	17'-2"	15'-7"	13'-7"	12'-1"	11'-3"	10'-1"	15'-7"	14'-2"	12'-4"
550S162-33		15'-11"	14'-9"	13'-3"	22'-3"	20'-8"	18'-7"	14'-4"	13'-3"	12'-0"	20'-0"	18'-7"	16'-9"	13'-3"	12'-4"	11'-1"	18'-7"	17'-3"	15'-7"
600S162-33		16'-4"	15'-2"	13'-7"	22'-9"	21'-2"	19'-1"	14'-8"	13'-7"	12'-3"	20'-6"	19'-1"	17'-3"	13'-7"	12'-8"	11'-5"	19'-1"	17'-9"	16'-0"
800S162-33*		17'-9"	16'-6"	14'-10"	24'-9"	22'-11"	20'-7"	16'-0"	14'-10"	13'-4"	22'-2"	20'-7"	18'-5"	14'-10"	13'-9"	12'-4"	20'-7"	19'-0"	17'-1"
362S162-43	33	15'-6"	14'-3"	12'-9"	19'-10"	18'-0"	15'-9"	13'-10"	12'-9"	11'-5"	17'-4"	15'-9"	13'-9"	12'-9"	11'-10"	10'-7"	15'-9"	14'-3"	12'-6"
400S162-43		15'-11"	14'-8"	13'-1"	21'-4"	19'-5"	16'-11"	14'-2"	13'-1"	11'-9"	18'-8"	16'-11"	14'-10"	13'-1"	12'-2"	10'-11"	16'-11"	15'-5"	13'-5"
550S162-43		17'-4"	16'-0"	14'-4"	23'-11"	22'-2"	19'-11"	15'-6"	14'-4"	12'-11"	21'-6"	19'-11"	18'-0"	14'-4"	13'-4"	11'-11"	19'-11"	18'-6"	16'-8"
600S162-43		17'-9"	16'-5"	14'-9"	24'-6"	22'-9"	20'-6"	15'-11"	14'-9"	13'-3"	22'-1"	20'-6"	18'-5"	14'-9"	13'-8"	12'-3"	20'-6"	19'-0"	17'-1"
800S162-43		19'-2"	17'-9"	16'-0"	26'-8"	24'-9"	22'-3"	17'-3"	16'-0"	14'-4"	24'-0"	22'-3"	20'-1"	16'-0"	14'-10"	13'-4"	22'-3"	20'-8"	18'-7"
1000S162-43*		20'-5"	18'-11"	17'-0"	28'-5"	26'-5"	23'-9"	18'-4"	17'-0"	15'-4"	25'-7"	23'-9"	21'-3"	17'-0"	15'-10"	14'-3"	23'-9"	22'-0"	19'-8"
362S162-54	50	17'-0"	15'-8"	13'-11"	21'-2"	19'-3"	16'-10"	15'-1"	13'-11"	12'-5"	18'-6"	16'-10"	14'-8"	13'-11"	12'-10"	11'-5"	16'-10"	15'-4"	13'-4"
400S162-54		17'-5"	16'-0"	14'-3"	22'-11"	20'-10"	18'-2"	15'-5"	14'-3"	12'-8"	20'-0"	18'-2"	15'-10"	14'-3"	13'-1"	11'-9"	18'-2"	16'-6"	14'-5"
550S162-54		18'-10"	17'-4"	15'-6"	25'-8"	23'-8"	21'-3"	16'-10"	15'-6"	13'-10"	23'-0"	21'-3"	19'-1"	15'-6"	14'-4"	12'-10"	21'-3"	19'-8"	17'-9"
600S162-54		19'-3"	17'-9"	15'-10"	26'-3"	24'-3"	21'-10"	17'-2"	15'-10"	14'-2"	23'-6"	21'-10"	19'-7"	15'-10"	14'-8"	13'-1"	21'-10"	20'-2"	18'-2"
800S162-54		20'-8"	19'-1"	17'-1"	28'-5"	26'-4"	23'-8"	18'-6"	17'-1"	15'-4"	25'-6"	23'-8"	21'-3"	17'-1"	15'-10"	14'-2"	23'-8"	21'-11"	19'-9"
1000S162-54		21'-11"	20'-3"	18'-2"	30'-3"	28'-1"	25'-3"	19'-8"	18'-2"	16'-4"	27'-2"	25'-3"	22'-9"	18'-2"	16'-10"	15'-1"	25'-3"	23'-5"	21'-1"
1200S162-54*		23'-0"	21'-4"	19'-1"	31'-10"	29'-7"	26'-7"	20'-8"	19'-1"	17'-2"	28'-8"	26'-7"	24'-0"	19'-1"	17'-9"	15'-11"	26'-7"	24'-8"	22'-2"
362S162-68	50	19'-1"	17'-5"	15'-5"	22'-8"	20'-7"	18'-0"	16'-10"	15'-5"	13'-7"	19'-10"	18'-0"	15'-9"	15'-5"	14'-1"	12'-6"	18'-0"	16'-4"	14'-4"
400S162-68		19'-5"	17'-9"	15'-8"	24'-6"	22'-3"	19'-5"	17'-2"	15'-8"	13'-11"	21'-5"	19'-5"	17'-0"	15'-8"	14'-5"	12'-9"	19'-5"	17'-8"	15'-5"
550S162-68		20'-9"	19'-1"	16'-11"	27'-9"	25'-7"	22'-10"	18'-5"	16'-11"	15'-1"	24'-9"	22'-10"	20'-5"	16'-11"	15'-7"	13'-10"	22'-10"	21'-1"	18'-11"
600S162-68		21'-2"	19'-5"	17'-3"	28'-4"	26'-2"	23'-5"	18'-9"	17'-3"	15'-5"	25'-4"	23'-5"	20'-11"	17'-3"	15'-11"	14'-2"	23'-5"	21'-7"	19'-5"
800S162-68		22'-7"	20'-10"	18'-6"	30'-6"	28'-3"	25'-3"	20'-1"	18'-6"	16'-6"	27'-4"	25'-3"	22'-8"	18'-6"	17'-1"	15'-3"	25'-3"	23'-5"	21'-0"
1000S162-68		23'-10"	22'-0"	19'-7"	32'-5"	30'-0"	26'-11"	21'-3"	19'-7"	17'-6"	29'-0"	26'-11"	24'-2"	19'-7"	18'-1"	16'-2"	26'-11"	24'-11"	22'-5"
1200S162-68		24'-11"	23'-0"	20'-7"	34'-0"	31'-6"	28'-3"	22'-3"	20'-7"	18'-5"	30'-6"	28'-3"	25'-5"	20'-7"	19'-0"	17'-0"	28'-3"	26'-3"	23'-7"
362S162-97	50	23'-0"	21'-0"	18'-5"	25'-0"	22'-9"	19'-10"	20'-3"	18'-5"	16'-2"	21'-10"	19'-10"	17'-4"	18'-5"	16'-10"	14'-10"	19'-10"	18'-1"	15'-9"
400S162-97		23'-5"	21'-4"	18'-9"	27'-1"	24'-7"	21'-6"	20'-7"	18'-9"	16'-6"	23'-8"	21'-6"	18'-9"	18'-9"	17'-1"	15'-1"	21'-6"	19'-6"	17'-1"
550S162-97		24'-9"	22'-7"	19'-11"	32'-2"	29'-5"	26'-1"	21'-9"	19'-11"	17'-7"	28'-5"	26'-1"	23'-2"	19'-11"	18'-2"	16'-1"	26'-1"	24'-0"	21'-4"
600S162-97		25'-2"	23'-0"	20'-3"	32'-9"	30'-0"	26'-7"	22'-2"	20'-3"	17'-10"	29'-0"	26'-7"	23'-8"	20'-3"	18'-6"	16'-4"	26'-7"	24'-5"	21'-9"
800S162-97		26'-7"	24'-4"	21'-5"	34'-10"	32'-0"	28'-6"	23'-5"	21'-5"	19'-0"	30'-11"	28'-6"	25'-4"	21'-5"	19'-8"	17'-5"	28'-6"	26'-3"	23'-5"
1000S162-97		27'-9"	25'-5"	22'-6"	36'-8"	33'-9"	30'-1"	24'-7"	22'-6"	19'-11"	32'-8"	30'-1"	26'-10"	22'-6"	20'-8"	18'-4"	30'-1"	27'-9"	24'-9"
1200S162-97		28'-10"	26'-5"	23'-5"	38'-4"	35'-3"	31'-6"	25'-6"	23'-5"	20'-10"	34'-2"	31'-6"	28'-2"	23'-5"	21'-6"	19'-2"	31'-6"	29'-1"	26'-0"

Notes:

- For unbraced sections, allowable moment is based on AISI S100-16 (2020) w/S2-20 Specification Section F2 & F3 with weak axis and torsional unbraced length assumed to be the listed span (completely unbraced). For mid-span braced sections, allowable moment based on Section F2 & F3 with weak axis and torsional unbraced length assumed to be one-half of the listed span (bracing at midspan).
- Web crippling calculation based on bearing length = 1 inch.
- Web crippling and shear capacity have not been reduced for punchouts. If web punchouts occur near support members must be checked for reduced shear and web crippling in accordance with the AISI S100 Specification.
- Values are for simple span conditions.
- * Web depth-to-thickness ratio greater than 200, web stiffeners required at supports.

Structural Studs: Allowable Ceiling Spans - Deflection Limit L/120

Stud Member	Fy, ksi	4psf						6psf						8psf					
		Lateral Support of Compression Flange						Lateral Support of Compression Flange						Lateral Support of Compression Flange					
		Unbraced			Midspan Braced			Unbraced			Midspan Braced			Unbraced			Midspan Braced		
		Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.			Joist Spacing (in) o.c.		
		12	16	24	12	16	24	12	16	24	12	16	24	12	16	24	12	16	24
362S162-33	33	14'-1"	13'-1"	11'-9"	19'-8"	18'-2"	16'-4"	12'-8"	11'-9"	10'-7"	17'-8"	16'-4"	14'-7"	11'-9"	10'-11"	9'-10"	16'-4"	15'-1"	13'-3"
400S162-33		14'-6"	13'-5"	12'-1"	20'-1"	18'-8"	16'-9"	13'-1"	12'-1"	10'-10"	18'-1"	16'-9"	15'-0"	12'-1"	11'-3"	10'-1"	16'-9"	15'-6"	13'-8"
550S162-33		15'-11"	14'-9"	13'-3"	22'-3"	20'-8"	18'-7"	14'-4"	13'-3"	12'-0"	20'-0"	18'-7"	16'-9"	13'-3"	12'-4"	11'-1"	18'-7"	17'-3"	15'-7"
600S162-33		16'-4"	15'-2"	13'-7"	22'-9"	21'-2"	19'-1"	14'-8"	13'-7"	12'-3"	20'-6"	19'-1"	17'-3"	13'-7"	12'-8"	11'-5"	19'-1"	17'-9"	16'-0"
800S162-33*		17'-9"	16'-6"	14'-10"	24'-9"	22'-11"	20'-7"	16'-0"	14'-10"	13'-4"	22'-2"	20'-7"	18'-5"	14'-10"	13'-9"	12'-4"	20'-7"	19'-0"	17'-1"
362S162-43	33	15'-6"	14'-3"	12'-9"	21'-2"	19'-8"	17'-8"	13'-10"	12'-9"	11'-5"	19'-0"	17'-8"	15'-10"	12'-9"	11'-10"	10'-7"	17'-8"	16'-4"	14'-7"
400S162-43		15'-11"	14'-8"	13'-1"	21'-10"	20'-2"	18'-2"	14'-2"	13'-1"	11'-9"	19'-7"	18'-2"	16'-4"	13'-1"	12'-2"	10'-11"	18'-2"	16'-10"	15'-0"
550S162-43		17'-4"	16'-0"	14'-4"	23'-11"	22'-2"	19'-11"	15'-6"	14'-4"	12'-11"	21'-6"	19'-11"	18'-0"	14'-4"	13'-4"	11'-11"	19'-11"	18'-6"	16'-8"
600S162-43		17'-9"	16'-5"	14'-9"	24'-6"	22'-9"	20'-6"	15'-11"	14'-9"	13'-3"	22'-1"	20'-6"	18'-5"	14'-9"	13'-8"	12'-3"	20'-6"	19'-0"	17'-1"
800S162-43		19'-2"	17'-9"	16'-0"	26'-8"	24'-9"	22'-3"	17'-3"	16'-0"	14'-4"	24'-0"	22'-3"	20'-1"	16'-0"	14'-10"	13'-4"	22'-3"	20'-8"	18'-7"
1000S162-43*		20'-5"	18'-11"	17'-0"	28'-5"	26'-5"	23'-9"	18'-4"	17'-0"	15'-4"	25'-7"	23'-9"	21'-3"	17'-0"	15'-10"	14'-3"	23'-9"	22'-0"	19'-8"
362S162-54	50	17'-0"	15'-8"	13'-11"	22'-10"	21'-1"	18'-10"	15'-1"	13'-11"	12'-5"	20'-5"	18'-10"	16'-11"	13'-11"	12'-10"	11'-5"	18'-10"	17'-6"	15'-8"
400S162-54		17'-5"	16'-0"	14'-3"	23'-5"	21'-8"	19'-5"	15'-5"	14'-3"	12'-8"	21'-0"	19'-5"	17'-5"	14'-3"	13'-1"	11'-9"	19'-5"	17'-11"	16'-1"
550S162-54		18'-10"	17'-4"	15'-6"	25'-8"	23'-8"	21'-3"	16'-10"	15'-6"	13'-10"	23'-0"	21'-3"	19'-1"	15'-6"	14'-4"	12'-10"	21'-3"	19'-8"	17'-9"
600S162-54		19'-3"	17'-9"	15'-10"	26'-3"	24'-3"	21'-10"	17'-2"	15'-10"	14'-2"	23'-6"	21'-10"	19'-7"	15'-10"	14'-8"	13'-1"	21'-10"	20'-2"	18'-2"
800S162-54		20'-8"	19'-1"	17'-1"	28'-5"	26'-4"	23'-8"	18'-6"	17'-1"	15'-4"	25'-6"	23'-8"	21'-3"	17'-1"	15'-10"	14'-2"	23'-8"	21'-11"	19'-9"
1000S162-54		21'-11"	20'-3"	18'-2"	30'-3"	28'-1"	25'-3"	19'-8"	18'-2"	16'-4"	27'-2"	25'-3"	22'-9"	18'-2"	16'-10"	15'-1"	25'-3"	23'-5"	21'-1"
1200S162-54*		23'-0"	21'-4"	19'-1"	31'-10"	29'-7"	26'-7"	20'-8"	19'-1"	17'-2"	28'-8"	26'-7"	24'-0"	19'-1"	17'-9"	15'-11"	26'-7"	24'-8"	22'-2"
362S162-68	50	19'-1"	17'-5"	15'-5"	25'-0"	23'-0"	20'-5"	16'-10"	15'-5"	13'-7"	22'-2"	20'-5"	18'-3"	15'-5"	14'-1"	12'-6"	20'-5"	18'-10"	16'-10"
400S162-68		19'-5"	17'-9"	15'-8"	25'-7"	23'-6"	20'-11"	17'-2"	15'-8"	13'-11"	22'-9"	20'-11"	18'-8"	15'-8"	14'-5"	12'-9"	20'-11"	19'-4"	17'-3"
550S162-68		20'-9"	19'-1"	16'-11"	27'-9"	25'-7"	22'-10"	18'-5"	16'-11"	15'-1"	24'-9"	22'-10"	20'-5"	16'-11"	15'-7"	13'-10"	22'-10"	21'-1"	18'-11"
600S162-68		21'-2"	19'-5"	17'-3"	28'-4"	26'-2"	23'-5"	18'-9"	17'-3"	15'-5"	25'-4"	23'-5"	20'-11"	17'-3"	15'-11"	14'-2"	23'-5"	21'-7"	19'-5"
800S162-68		22'-7"	20'-10"	18'-6"	30'-6"	28'-3"	25'-3"	20'-1"	18'-6"	16'-6"	27'-4"	25'-3"	22'-8"	18'-6"	17'-1"	15'-3"	25'-3"	23'-5"	21'-0"
1000S162-68		23'-10"	22'-0"	19'-7"	32'-5"	30'-0"	26'-11"	21'-3"	19'-7"	17'-6"	29'-0"	26'-11"	24'-2"	19'-7"	18'-1"	16'-2"	26'-11"	24'-11"	22'-5"
1200S162-68		24'-11"	23'-0"	20'-7"	34'-0"	31'-6"	28'-3"	22'-3"	20'-7"	18'-5"	30'-6"	28'-3"	25'-5"	20'-7"	19'-0"	17'-0"	28'-3"	26'-3"	23'-7"
362S162-97	50	23'-0"	21'-0"	18'-5"	29'-7"	27'-1"	23'-11"	20'-3"	18'-5"	16'-2"	26'-1"	23'-11"	21'-1"	18'-5"	16'-10"	14'-10"	23'-11"	21'-10"	19'-3"
400S162-97		23'-5"	21'-4"	18'-9"	30'-2"	27'-7"	24'-4"	20'-7"	18'-9"	16'-6"	26'-7"	24'-4"	21'-6"	18'-9"	17'-1"	15'-1"	24'-4"	22'-3"	19'-8"
550S162-97		24'-9"	22'-7"	19'-11"	32'-2"	29'-5"	26'-1"	21'-9"	19'-11"	17'-7"	28'-5"	26'-1"	23'-2"	19'-11"	18'-2"	16'-1"	26'-1"	24'-0"	21'-4"
600S162-97		25'-2"	23'-0"	20'-3"	32'-9"	30'-0"	26'-7"	22'-2"	20'-3"	17'-10"	29'-0"	26'-7"	23'-8"	20'-3"	18'-6"	16'-4"	26'-7"	24'-5"	21'-9"
800S162-97		26'-7"	24'-4"	21'-5"	34'-10"	32'-0"	28'-6"	23'-5"	21'-5"	19'-0"	30'-11"	28'-6"	25'-4"	21'-5"	19'-8"	17'-5"	28'-6"	26'-3"	23'-5"
1000S162-97		27'-9"	25'-5"	22'-6"	36'-8"	33'-9"	30'-1"	24'-7"	22'-6"	19'-11"	32'-8"	30'-1"	26'-10"	22'-6"	20'-8"	18'-4"	30'-1"	27'-9"	24'-9"
1200S162-97		28'-10"	26'-5"	23'-5"	38'-4"	35'-3"	31'-6"	25'-6"	23'-5"	20'-10"	34'-2"	31'-6"	28'-2"	23'-5"	21'-6"	19'-2"	31'-6"	29'-1"	26'-0"

Notes:

- For unbraced sections, allowable moment is based on AISI S100-16 (2020) w/S2-20 Specification Section F2 & F3 with weak axis and torsional unbraced length assumed to be the listed span (completely unbraced). For mid-span braced sections, allowable moment based on Section F2 & F3 with weak axis and torsional unbraced length assumed to be one-half of the listed span (bracing at midspan).
 - Web crippling calculation based on bearing length = 1 inch.
 - Web crippling and shear capacity have not been reduced for punchouts. If web punchouts occur near support members must be checked for reduced shear and web crippling in accordance with the AISI S100 Specification.
 - Values are for simple span conditions.
- * Web depth-to-thickness ratio greater than 200, web stiffeners required at supports.