



CT STUD PHYSICAL PROPERTIES & PERFORMANCE DATA

RAM Shaftwall CT Stud Physical Properties

Profile Designation	Web	Gauge	Thickness (mil)	Design Thickness (in)	Yield Strength (ksi)	Tensile Strength (ksi)	Standard Coating	Area (in ²)	Weight (lb/LF)	Effective Ix (in ⁴)	Allowable Moment Ma (in-lbs)
25OCT-22	2-1/2"	25	22	.0231"	50	65	G40	0.166	0.57	0.117	2018
25OCT-30		20DW	30	.0312"			G60	0.221	0.75	0.174	3020
25OCT-33		20STR	33	.0346"			G60	0.243	0.83	0.196	3415
25OCT-43		18	43	.0451"			G60	0.314	1.07	0.254	4441
40OCT-22	4"	25	22	.0231"	50	65	G40	0.200	0.68	0.336	3650
40OCT-30		20DW	30	.0312"			G60	0.268	0.91	0.520	5682
40OCT-33		20STR	33	.0346"			G60	0.296	1.01	0.594	6502
40OCT-43		18	43	.0451"			G60	0.382	1.30	0.902	9876
60OCT-22	6"	25	22	.0231"	50	65	G40	0.247	0.84	0.686	5030
60OCT-30		20DW	30	.0312"			G60	0.331	1.13	1.126	8289
60OCT-33		20STR	33	.0346"			G60	0.367	1.25	1.333	9836
60OCT-43		18	43	.0451"			G60	0.382	1.30	1.998	14811

RAM Shaftwall CT Stud Non-Composite Limiting Wall Heights

Profile Designation	Lateral Load (psf)											
	5			7.5			10			15		
	Deflection Limit											
	120	240	360	120	240	360	120	240	360	120	240	360
25OCT-22	11'-6"	9'-2"	8'-0"	9'-6"	8'-0"	7'-0"	8'-2"	7'-3"	6'-4"	6'-8"	6'-4"	5'-7"
25OCT-30	13'-2"	10'-5"	9'-1"	11'-6"	9'-1"	8'-0"	10'-0"	8'-3"	7'-3"	8'-2"	7'-3"	6'-4"
25OCT-33	13'-8"	10'-10"	9'-6"	12'-0"	9'-6"	8'-4"	10'-8"	8'-8"	7'-6"	8'-9"	7'-6"	6'-7"
25OCT-43	14'-11"	11'-10"	10'-4"	13'-1"	10'-4"	9'-1"	11'-10"	9'-5"	8'-3"	9'-11"	8'-3"	7'-2"
40OCT-22	15'-7"	13'-0"	11'-4"	12'-9"	11'-4"	9'-11"	11'-0"	10'-4"	9'-0"	9'-0"	9'-0"	7'-11"
40OCT-30	19'-0"	15'-1"	13'-2"	15'-11"	13'-2"	11'-6"	13'-9"	11'-11"	10'-5"	11'-3"	10'-5"	9'-1"
40OCT-33	19'-10"	15'-9"	13'-9"	17'-0"	13'-9"	12'-0"	14'-9"	12'-6"	10'-11"	12'-0"	10'-11"	9'-6"
40OCT-43	22'-9"	18'-1"	15'-10"	19'-11"	15'-10"	13'-10"	18'-1"	14'-4"	12'-6"	14'-10"	12'-6"	10'-11"
60OCT-22	18'-4"	16'-6"	14'-5"	14'-11"	14'-5"	12'-7"	12'-11"	12'-11"	11'-5"	9'-11" (10'-7")	9'-11" (10'-7")	9'-11" (10'-0")
60OCT-30	23'-6"	19'-6"	17'-0"	19'-2"	17'-0"	14'-10"	16'-7"	15'-5"	13'-6"	13'-7"	13'-6"	11'-10"
60OCT-33	25'-7"	20'-7"	18'-0"	20'-11"	18'-0"	15'-9"	18'-1"	16'-4"	14'-3"	14'-9"	14'-3"	12'-6"
60OCT-43	29'-8"	23'-7"	20'-7"	25'-8"	20'-7"	18'-0"	22'-3"	18'-8"	16'-4"	18'-2"	16'-4"	14'-3"

Table Notes:

1. Calculated values are based on the AISI S100-16(2020)W/S2, North American Specification for the Design of Cold-formed Steel Structural Members
2. No fasteners are required to be installed attached stud to track except where required by ASTM C754
3. End bearing length of the stud in track must be at least 1 inch.
4. Heights are based on steel-only, no composite action from gypsum is applied.
5. Members must be fully-braced for the full length of the stud, and unbraced section must be less than Lu shown on physical properties tables.
6. Heights shown in parentheses require bearing stiffeners at both ends of members.

