

CFS Floor Truss

Sample Design Tables



Matching Standard Joist Sizes																		
CFS Floor Truss Desig.	Truss Member/Geometry Information								Loading Information						Bracing information			
	Truss Depth (in.)	Truss Span (ft)	Bot. Brg Width (in.)	No. Chords	Truss Config.	Max Chase (in x in)	Max. Round Duct (in)	Chord Size	Spacing (in. O.C.)	Top Chord			Bottom Chord		Top Chord		Bottom Chord	
										Live (psf)	Snow (psf)	Dead (psf)	Live (psf)	Dead (psf)	Type	Spacing (in)	Type	Spacing (in)
FT10-24-10	10.0	10.0	4.0	1	Out-Plane	24 x 5	4.0	250S162-43(33)	24	40	0	10	0	10	Sheathed	0	250S162-33(33)	60
FT10-48-10	10.0	10.0	4.0	1	Out-Plane	24 x 5	4.0	250S162-68(50)	48	40	0	10	0	10	Sheathed	0	250S162-43(33)	60
FT10-24-16	10.0	16.0	4.0	1	Out-Plane	24 x 5	4.5	250S162-54(50)	24	40	0	10	0	10	Sheathed	0	250S162-33(33)	60
FT10-48-16	10.0	16.0	4.0	1	Out-Plane	24 x 5	4.5	*250S162-68(50)+TT+BT	48	40	0	10	0	10	Sheathed	0	250S162-68(50)	96
FT10-24-18	10.0	18.0	4.0	1	Out-Plane	24 x 5	4.5	250S162-68(50)	48	40	0	10	0	10	Sheathed	0	250S162-33(33)	108
FT10-48-18	10.0	18.0	4.0	1	Out-Plane	24 x 5	4.5	*250S162-68(50)+TT+BT	48	40	0	10	0	10	Sheathed	0	250S162-43(33)	72
FT12-24-10	12.0	10.0	4.0	1	Out-Plane	24 x 7	6.5	250S162-33(33)	24	40	0	10	0	10	Sheathed	0	250S162-33(33)	60
FT12-48-10	12.0	10.0	4.0	1	Out-Plane	24 x 7	6.5	250S162-43(43)	48	40	0	10	0	10	Sheathed	0	250S162-33(33)	60
FT12-24-16	12.0	16.0	4.0	1	Out-Plane	24 x 7	6.5	250S162-54(50)	24	40	0	10	0	10	Sheathed	0	250S162-33(33)	96
FT12-48-16	12.0	16.0	4.0	1	Out-Plane	24 x 7	6.5	250S162-68(50)	48	40	0	10	0	10	Sheathed	0	250S162-54(50)	96
FT12-24-20	12.0	20.0	4.0	1	Out-Plane	24 x 7	6.5	250S162-68(50)	24	40	0	10	0	10	Sheathed	0	250S162-33(50)	80
FT12-48-20	12.0	20.0	4.0	1	Out-Plane	24 x 7	6.5	*250S162-68(50)+TT+BT	48	40	0	10	0	10	Sheathed	0	250S162-54(50)	80
FT16-24-20	16.0	20.0	4.0	1	Out-Plane	24 x 11	10	250S162-54(50)	24	40	0	10	0	10	Sheathed	0	250S162-33(33)	80
FT16-48-20	16.0	20.0	4.0	1	Out-Plane	24 x 8.75	8	362S162-97(50)	48	40	0	10	0	10	Sheathed	0	250S162-33(33)	80
FT16-24-30	16.0	30.0	4.0	1	Out-Plane	24 x 8.75	8	362S162-97(50)	24	40	0	10	0	10	Sheathed	0	250S162-33(33)	90
FT18-24-30	18.0	30.0	4.0	1	Out-Plane	24 x 10.75	10	362S162-97(50)	24	40	0	10	0	10	Sheathed	0	250S162-33(33)	90
FT18-24-32	18.0	34.0	4.0	1	Out-Plane	24 x 10.75	10	362S162-97(50)	24	40	0	10	0	10	Sheathed	0	250S162-33(33)	96
FT20-16-40	20.0	40.0	4.0	1	Out-Plane	24 x 12.75	12	362S162-97(50)	16	40	0	10	0	10	Sheathed	0	250S162-33(33)	96
FT24-12-50	24.0	50.0	4.0	1	Out-Plane	24 X 16.75	14	362S162-97(50)	16	40	0	10	0	10	Sheathed	0	250S162-33(33)	84

* BT = Bottom Chord closed w/ track

* TT = Top Chord Closed w/ track

Note: Loads and spans shown here are for comparrison only. For a proper design and project price please contact Rusk Component and Design.