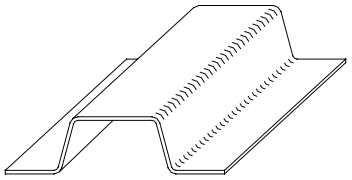
LOAD TABLES

STEEL
ASTM A653
SS 33

Sub-girt Channel

SUS120

INTERNAL USE ONLY



L/180 Deflection Criteria 18 GA.FY=33KSI Fu=45KSI

Top in Compression													
Allowable Load (plf) w/o Wind Increase							Allowable Load (plf) with Wind Increase						
Span Condition	Span Length (in)						Span Condition	Span Length					
	16	24	30	36	42	48		16	24	30	36	42	48
Single	389	173	111	*67	*42	*28	Single	518	*226	*115	*67	*42	*28
Double	361	166	108	75	55	42	Double	481	222	144	100	74	57
Triple	438	205	133	93	69	*53	Triple	584	274	178	125	*79	*53
M_n/Ω=1.04 k-in I_e=0.0207 in^4							M_n/Ω=1.39 k-in I_e=0.0207 in^4						

$S_{top,e}=S_{top,g}$=0.0472 in^3
$S_{bot,e}=S_{bot,g}$=0.0552 in^3

Bottom in Compression													
Allowable Load (plf) w/o Wind Increase							Allowable Load (plf) with Wind Increase						
Span Condition	Span Length (in)						Span Condition	Span Length					
	16	24	30	36	42	48		16	24	30	36	42	48
Single	347	154	99	*64	*40	*27	Single	462	206	*110	*64	*40	*27
Double	327	150	96	67	49	38	Double	436	200	129	90	66	51
Triple	399	185	120	84	62	47	Triple	532	247	160	112	*76	*51
M_n/Ω=0.925 k-in I_e=0.0201 in^4							M_n/Ω=1.23 k-in I_e=0.0201 in^4						

$S_{top,}$=0.0468 in^3
$S_{bot,e}$=0.0526 in^3

Notes:
1. Calculations have been made in accordance with the AISI Specification for the Design of Cold Formed Steel Structural Members, 1996 edition.
2. Web crippling has not been considered in the load values.
3. * Indicates maximum span controlled by deflection.
4. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use only by those qualified to asses these effects.