

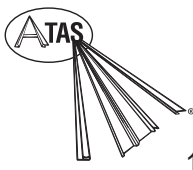
LOAD TABLES  
 STEEL  
 ASTM A653  
 SS 40  
 12" COVERAGE

# MULTI-PURPOSE PANEL MPW120



L/180 DEFLECTION CRITERIA							L/240 DEFLECTION CRITERIA						
.021							.021						
FY=40KSI							FY=40KSI						
POSITIVE BENDING			NEGATIVE BENDING				POSITIVE BENDING			NEGATIVE BENDING			
Yt= 1.049 in.			Yt= 0.492 in.				Yt= 1.049 in.			Yt= 0.492 in.			
S= 0.043 cubic in./ft. (bend.)			S= 0.025 cubic in./ft. (bend.)				S= 0.043 cubic in./ft. (bend.)			S= 0.025 cubic in./ft. (bend.)			
I= 0.049 in.^4/ft. (defl.)			I= 0.020 in.^4/ft. (defl.)				I= 0.049 in.^4/ft. (defl.)			I= 0.020 in.^4/ft. (defl.)			
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD			LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN		SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 7'- 6"	6'- 3"	7'- 0"	* 5'- 7"	* 7'- 5"	* 6'- 10"	10	* 6'- 10"	6'- 3"	7'- 0"	* 5'- 0"	* 6'- 9"	* 6'- 3"
15	* 6'- 7"	5'- 1"	5'- 9"	* 4'- 10"	* 6'- 6"	* 6'- 0"	15	* 5'- 11"	5'- 1"	5'- 9"	* 4'- 5"	* 5'- 11"	* 5'- 5"
20	5'- 10"	4'- 5"	5'- 0"	* 4'- 5"	5'- 10"	5'- 5"	20	* 5'- 5"	4'- 5"	5'- 0"	* 4'- 0"	* 5'- 4"	* 4'- 11"
25	5'- 2"	4'- 0"	4'- 5"	4'- 0"	5'- 2"	4'- 10"	25	* 5'- 0"	4'- 0"	4'- 5"	* 3'- 8"	* 5'- 0"	* 4'- 7"
30	4'- 9"	3'- 7"	4'- 0"	3'- 7"	4'- 9"	4'- 5"	30	* 4'- 8"	3'- 7"	4'- 0"	* 3'- 6"	* 4'- 8"	* 4'- 4"
35	4'- 5"	3'- 4"	3'- 9"	3'- 4"	4'- 5"	4'- 1"	35	4'- 5"	3'- 4"	3'- 9"	* 3'- 4"	4'- 5"	* 4'- 1"
40	4'- 1"	3'- 1"	3'- 6"	3'- 1"	4'- 1"	3'- 10"	40	4'- 1"	3'- 1"	3'- 6"	3'- 1"	4'- 1"	3'- 10"
45	3'- 10"	2'- 11"	3'- 4"	2'- 11"	3'- 10"	3'- 7"	45	3'- 10"	2'- 11"	3'- 4"	2'- 11"	3'- 10"	3'- 7"
50	3'- 8"	2'- 9"	3'- 1"	2'- 9"	3'- 8"	3'- 5"	50	3'- 8"	2'- 9"	3'- 1"	2'- 9"	3'- 8"	3'- 5"
55	3'- 6"	2'- 8"	3'- 0"	2'- 8"	3'- 6"	3'- 3"	55	3'- 6"	2'- 8"	3'- 0"	2'- 8"	3'- 6"	3'- 3"
60	3'- 4"	2'- 6"	2'- 10"	2'- 6"	3'- 4"	3'- 1"	60	3'- 4"	2'- 6"	2'- 10"	2'- 6"	3'- 4"	3'- 1"
65	3'- 3"	2'- 5"	2'- 9"	2'- 5"	3'- 3"	3'- 0"	65	3'- 3"	2'- 5"	2'- 9"	2'- 5"	3'- 3"	3'- 0"
70	3'- 1"	2'- 4"	2'- 8"	2'- 4"	3'- 1"	2'- 11"	70	3'- 1"	2'- 4"	2'- 8"	2'- 4"	3'- 1"	2'- 11"

- Notes:
- \* Indicates maximum span controlled by deflection.
  - All loads are applied perpendicular to surface of panel.
  - No increase for wind loading has been assumed.
  - 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 assess these effects.



LOAD TABLES  
ALUMINUM  
3003-H16

12" COVERAGE

# MULTI-PURPOSE PANEL MPW120



L/120 DEFLECTION CRITERIA .032				L/120 DEFLECTION CRITERIA .040									
Yt= 0.99588 in.		Yb= 0.22362 in.		Yt= 0.99042 in.		Yb= 0.22108 in.							
St= 0.07407 cubic in/ft. (bend.)		Sb= 0.32984 cubic in/ft. (bend.)		St= 0.09234 cubic in/ft. (bend.)		Sb= 0.41369 cubic in/ft. (bend.)							
AREA= 0.42880 in.^2/ft.		I= 0.07376 in.^4/ft. (defl.)		AREA= 0.54056 in.^2/ft.		I= 0.09146 in.^4/ft. (defl.)							
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD			LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN		SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 6'- 8"	* 5'- 0"	* 5'- 8"	* 5'- 0"	* 6'- 8"	* 6'- 4"	10	7'- 4"	* 6'- 4"	* 7'- 1"	* 6'- 4"	* 7'- 11"	* 7'- 11"
15	* 5'- 5"	* 4'- 1"	* 4'- 7"	* 4'- 1"	* 5'- 5"	* 5'- 2"	15	6'- 5"	* 5'- 2"	* 5'- 9"	* 5'- 2"	* 6'- 5"	* 6'- 6"
20	* 4'- 8"	* 3'- 7"	* 4'- 0"	* 3'- 7"	* 4'- 8"	* 4'- 5"	20	* 5'- 7"	* 4'- 6"	* 5'- 0"	* 4'- 6"	* 5'- 7"	* 5'- 7"
25	* 4'- 2"	* 3'- 2"	* 3'- 7"	* 3'- 2"	* 4'- 2"	* 4'- 0"	25	* 5'- 0"	* 4'- 0"	* 4'- 6"	* 4'- 0"	* 5'- 0"	* 5'- 0"
30	* 3'- 10"	* 2'- 11"	* 3'- 3"	* 2'- 11"	* 3'- 10"	* 3'- 8"	30	* 4'- 7"	* 3'- 8"	* 4'- 1"	* 3'- 8"	* 4'- 7"	* 4'- 7"
35	* 3'- 6"	* 2'- 8"	* 3'- 0"	* 2'- 8"	* 3'- 6"	* 3'- 4"	35	* 4'- 2"	* 3'- 4"	* 3'- 9"	* 3'- 4"	* 4'- 2"	* 4'- 3"
40	* 3'- 4"	* 2'- 6"	* 2'- 10"	* 2'- 6"	* 3'- 4"	* 3'- 2"	40	* 3'- 11"	* 3'- 2"	* 3'- 6"	* 3'- 2"	* 3'- 11"	* 3'- 11"
45	* 3'- 1"	* 2'- 4"	* 2'- 8"	* 2'- 4"	* 3'- 1"	* 2'- 11"	45	* 3'- 8"	* 3'- 0"	* 3'- 4"	* 3'- 0"	* 3'- 8"	* 3'- 9"
50	* 2'- 11"	* 2'- 3"	* 2'- 6"	* 2'- 3"	* 2'- 11"	* 2'- 10"	50	* 3'- 6"	* 2'- 10"	* 3'- 2"	* 2'- 10"	* 3'- 6"	* 3'- 6"
55	* 2'- 10"	* 2'- 1"	* 2'- 5"	* 2'- 1"	* 2'- 10"	* 2'- 8"	55	* 3'- 4"	* 2'- 8"	* 3'- 0"	* 2'- 8"	* 3'- 4"	* 3'- 4"
60	* 2'- 8"	* 2'- 0"	* 2'- 3"	* 2'- 0"	* 2'- 8"	* 2'- 7"	60	* 3'- 2"	* 2'- 7"	* 2'- 10"	* 2'- 7"	* 3'- 2"	* 3'- 3"
65	* 2'- 7"	* 1'- 11"	* 2'- 2"	* 1'- 11"	* 2'- 7"	* 2'- 5"	65	* 3'- 1"	* 2'- 6"	* 2'- 9"	* 2'- 6"	* 3'- 1"	* 3'- 1"
70	* 2'- 6"	* 1'- 11"	* 2'- 1"	* 1'- 11"	* 2'- 6"	* 2'- 4"	70	* 3'- 0"	* 2'- 4"	* 2'- 8"	* 2'- 4"	* 3'- 0"	* 3'- 0"

- Notes:
- \* Indicates maximum span controlled by stress.
  - All loads are applied perpendicular to surface of panel.
  - 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 assess these effects.
  - Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.