



FLANGE PLATE FOR ARMS THREE (3) GAUGE - 12 1/2"

FLANGE PLATE FOR ARMS SEVEN (7) GAUGE - 8" DIA. SEVEN (7) GAUGE - 9" DIA. THREE (3) GAUGE - 10" DIA.

**NOTES:**

1. ALL FLANGE PLATES SHALL BE VERTICAL.
2. MAST ARMS WITH LENGTHS  $\leq 50'$  SHALL HAVE A 3° RISE IN THE ARM ONLY.
3. MAST ARMS WITH LENGTHS  $\geq 60'$  AND  $\leq 70'$  SHALL HAVE A 4° RISE IN THE ARM ONLY.
4. ARM RISES SHOULD BE FABRICATED WITHOUT DEAD LOAD DEFLECTION.
5. ARM PLATE AND POLE PLATE MATING SURFACES SHALL BE IN THE SAME PLANE TO WITHIN 1/16".

ARM SIZE (THICKNESS x BUTT DIAMETER)	X	Y	T	P	P <sub>2</sub>	FLANGE BOLTS (ALL BOLTS SHALL HAVE A CLASS OF FIT RATING OF 2A/2B UNC.)
SEVEN (7) GAUGE - 8"/9" DIA.	14"	6 1/2"	1/4"	1 1/4"	2 1/2"	1 1/4" DIA. x 4" LENGTH SEVEN (7) THREADS / IN. WITH FLAT WASHER
THREE (3) GAUGE - 10" DIA.	14"	6 1/2"	1/4"	1 1/2"	3"	1 1/2" DIA. x 5" LENGTH SIX (6) THREADS / IN. WITH FLAT WASHER
THREE (3) GAUGE - 12 1/2" DIA.	13"	18"	3/8"	2"	2 1/2"	1 1/4" DIA. x 6 1/2" LENGTH SIX (6) THREADS / IN. WITH FLAT WASHER

SPECIFICATION <b>818</b>	CATEGORY CODE ITEMS
APPROVED	 DIRECTOR - OFFICE OF TRAFFIC AND SAFETY
	APPROVAL • SHA REVISIONS
	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 7-1-94
	REVISD 5-17-07
	REVISD

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

**MAST ARM FLANGE PLATES**

**STANDARD NO.**

**MD 818.12**