



Style 233 - 2 Piece

Style 233 tips are general purpose (straight bore) cutting tips for use with MAPP Gas and propylene. These tips feature thin rectangular spline (fine spline) design. This design provides uniform preheat flames with maximum heat transfer. These tips are superior performers for 822 4490 cutting attachment in combination with the 818 0475 torch.

Materials Thickness (Inches)	Tip Size	Stock Number	Drill Size
3/16	00	813-2329	72 (.025)
¼-⅜	0	813-2330	68 (.031)
½	1	813-2331	62 (.038)
1	2	813-2332	56 (.046)
1 ½	3	813-2333	54 (.055)
2 ½	4	813-2334	52 (.063)



Style 245 - 2 Piece

General purpose (straight bore) cutting tips for use with MAPP Gas and propylene. These tips feature thin rectangular spline (fine spline) design. This design provides uniform preheat flames with maximum heat transfer. These tips are superior performers for both hand or machine cutting operations.

Materials Thickness (Inches)	Tip Size	Stock Number	Drill Size
3/16	00	813-2499	72 (.025)
¼-⅜	0	813-2450	68 (.031)
½	1	813-2451	62 (.038)
1	2	813-2452	56 (.046)
1 ½	3	813-2453	54 (.055)
2 ½	4	813-2454	52 (.063)
3	5	813-2455	49 (.073)
6-8	6	813-2456	39 (.128)
10-12	7	813-2457	30 (.169)
14	8	813-2458	18 (.169)



Style 345 - 2 Piece

Identical to the Style 245 except that the cutting oxygen bore is diverged to allow use of higher cutting oxygen pressures for increased speed in machine cutting operations. For plate over 4" use 245.

Materials Thickness (Inches)	Tip Size	Stock Number	Drill Size
⅜	0	813-3450	68 (.031)
½-⅝	1	813-3451	62 (.038)
1	2	813-3452	56 (.046)
1 ½	3	813-3453	54 (.055)
2 ½	4	813-3454	52 (.063)
2 ¾	5	813-3455	49 (.073)



Style A-RW - 1 Piece

Tips are one piece, solid copper, high preheat. Used for rivet washing with a large oxygen stream with MAPP/Propylene.

Size	Stock Number
147	856-6401
191	856-6402