

Attack Tips

The Longest Lasting, Highest Quality Jets Made

AP4
1/4 npt



APF4
1/4 npt
flush
mount



AP2
1/8 npt



Shown larger
than actual size.

Flow straighteners
are installed in all
Attack Tips.

Hardened and polished stainless steel tips

Thanks to our high efficiency nozzle design and our unique 7-step manufacturing process, **StoneAge® Attack Tips** are the best quality, longest lasting tip we have found. The flow straightener corrects power-robbing turbulence, ensuring excellent jetting results. **StoneAge®** tests show the **Attack Tips** can outlast tungsten carbide jets.

Attack Tip Orifice Flow Chart (in gpm)

| ORIFICE ID | | Pressure - kpsi & bar | | | | | | | | | | Flow Rating |
|------------|------|-----------------------|------|------|------|------|------|-----|------|------|------|-------------|
| | | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | |
| in. | mm | 138 | 276 | 414 | 552 | 700 | 827 | 966 | 1103 | 1241 | 1400 | |
| .018 | 0.46 | 0.39 | 0.55 | 0.68 | 0.78 | 0.87 | 0.96 | 1.0 | 1.1 | 1.2 | 1.2 | 0.6 |
| .020 | 0.51 | 0.48 | 0.68 | 0.83 | 0.96 | 1.1 | 1.2 | 1.3 | 1.5 | 1.5 | 1.5 | 0.7 |
| .022 | 0.56 | 0.58 | 0.82 | 1.0 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 0.8 |
| .024 | 0.61 | 0.69 | 0.98 | 1.2 | 1.4 | 1.6 | 1.7 | 1.8 | 2.0 | 2.1 | 2.2 | 1.0 |
| .026 | 0.66 | 0.81 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.1 | 2.3 | 2.4 | 2.6 | 1.1 |
| .029 | 0.74 | 1.0 | 1.4 | 1.7 | 2.0 | 2.3 | 2.5 | 2.7 | 2.9 | 3.0 | 3.2 | 1.4 |
| .032 | 0.81 | 1.2 | 1.7 | 2.1 | 2.5 | 2.8 | 3.0 | 3.3 | 3.5 | 3.7 | 3.9 | 1.7 |
| .035 | 0.89 | 1.5 | 2.1 | 2.6 | 3.0 | 3.3 | 3.6 | 3.9 | 4.2 | 4.4 | 4.7 | 2.1 |
| .038 | 0.97 | 1.7 | 2.5 | 3.0 | 3.5 | 3.9 | 4.3 | 4.6 | 4.9 | 5.2 | 5.5 | 2.5 |
| .042 | 1.07 | 2.1 | 3.0 | 3.7 | 4.2 | 4.7 | 5.2 | 5.6 | 6.0 | 6.4 | 6.7 | 3.0 |
| .047 | 1.19 | 2.7 | 3.8 | 4.6 | 5.3 | 5.9 | 6.5 | 7.0 | 7.5 | 8.0 | 8.4 | 3.8 |
| .052 | 1.32 | 3.3 | 4.6 | 5.6 | 6.5 | 7.3 | 8.0 | 8.6 | 9.2 | 9.8 | 10 | 4.6 |
| .057 | 1.45 | 3.9 | 5.5 | 6.8 | 7.8 | 8.7 | 9.6 | 10 | 11 | 12 | 12 | 5.5 |
| .063 | 1.60 | 4.8 | 6.8 | 8.3 | 9.6 | 11 | 12 | 13 | 14 | 14 | 15 | 6.8 |
| .069 | 1.78 | 5.7 | 8.1 | 9.9 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 8.1 |
| .075 | 1.91 | 6.8 | 9.6 | 12 | 13 | 15 | 17 | 18 | 19 | 20 | 21 | 9.6 |
| .082 | 2.08 | 8.1 | 12 | 14 | 16 | 18 | 20 | 21 | 23 | 24 | 26 | 12 |
| .090 | 2.29 | 9.8 | 14 | 17 | 20 | 22 | 24 | 26 | 28 | 29 | 31 | 14 |
| .098 | 2.49 | 12 | 16 | 20 | 23 | 26 | 28 | 31 | 33 | 35 | 37 | 16 |
| .106 | 2.69 | 14 | 19 | 23 | 27 | 30 | 33 | 36 | 38 | 41 | 43 | 19 |
| .115 | 2.92 | 16 | 23 | 28 | 32 | 36 | 39 | 42 | 45 | 48 | 50 | 23 |
| .125 | 3.18 | 17 | 27 | 33 | 38 | 42 | 46 | 50 | 53 | 56 | 60 | 27 |
| .135 | 3.43 | 22 | 31 | 38 | 44 | 49 | 54 | 58 | 62 | 66 | 69 | 31 |
| .145 | 3.68 | 25 | 36 | 44 | 51 | 57 | 62 | 67 | 72 | 76 | 80 | 36 |
| .155 | 3.94 | 29 | 41 | 50 | 58 | 65 | 71 | 77 | 82 | 87 | 92 | 41 |
| .165 | 4.19 | 33 | 46 | 57 | 66 | 73 | 80 | 87 | 93 | 98 | 100 | 46 |

ATTACK TIPS

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