



Machined Pistons 12mm | 2 and 4 Hole

AV1030-2x1.5-F | AV1030-2x1.6-F | AV1030-2x1.7-F | AV1031-1.5-1.1-F | AV1030-4x1.3-F | AV1030-2x1.6-F

NOTE: AVID 12mm pistons fit Associated, Losi, and Kyosho 12mm big-bore shocks.
(Chart Version 1.0)



| Effect on the Car | 2 Hole Pistons | | | 4 Hole Pistons | | |
|--|--|--|---|--|--|---|
| | 2 x 1.5mm | 2 x 1.6mm | 2 x 1.7mm | 2+2 1.5/1.1mm | 4 x 1.3 mm | 2+2 1.6/1.1mm |
| Overall Grip of Car (when to change to this piston) | Least Grip (car feels edgy) | Medium (standard setup) | High Grip (car feels loose) | Medium (standard setup) | Medium-High (car feels loose) | High Grip (car feels loose) |
| Bumps / Rough | High Pack (very upset in bumps) | Medium-High Pack (upset by bumps) | Low Pack (most grip in bumps) | Medium Pack (good in bumps) | Medium-Low Pack (increased grip in bumps) | Low Pack (most grip in bumps) |
| Bottoming on Jumps/Landings (when to change to this piston) | Most Resistance (front needs more lift off jumps) | Medium Resistance | Low Resistance (small jumps) | Medium Resistance (more grip on landings) | Medium-Low Resistance (small jump) | Medium-Low Resistance (small jumps) |
| General Rule of Thumb | Used on front suspension to smooth out steering response | Standard Setup for Smooth, Medium to High grip track | Good for Medium to Low grip track without large jumps | Standard Setup that is forgiving in bumps but still soaks up large jumps | In-between setting to gain more grip with reduced pack for bumps | Used in rear for Low grip tracks with large jumps |

| Oil Recommended | 2 Hole Pistons | | | 4 Hole Pistons | | |
|-------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | 2 x 1.5mm | 2 x 1.6mm | 2 x 1.7mm | 2+2 1.5/1.1mm | 4 x 1.3 mm | 2+2 1.6/1.1mm |
| Buggy Front | 27.5 to 30 wt. | 30 to 32.5 wt. | 35 to 37.5 wt. | 30 to 32.5 wt. | 32.5 wt. | 37.5 wt. |
| Buggy Rear | n/a | 27.5 wt. | 32.5 to 35 wt. | 27.5 to 30 wt. | 30 wt. | 32.5 wt. |
| 4wd Buggy Front | 30 to 32.5 wt. | 32.5 to 35 wt. | n/a | 35 wt. | 35 wt. | n/a |
| 4wd Buggy Rear | n/a | n/a | 30 wt. | n/a | 27.5 to 30 wt. | 30 wt. |
| SC / Truck Front | 30 to 35 wt. | 30 to 32.5 wt. | n/a | 30 to 35 wt. | n/a | n/a |
| SC / Truck Rear | n/a | 27.5 wt. | 30 to 32.5 wt. | 27.5 wt. | 30 wt. | 30 to 32.5 wt. |

