



# 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
<b>Overall Grip of Car (when to change to this piston)</b>	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)
<b>Bumps / Rough</b>	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)
<b>Bottoming on Jumps/Landings (when to change to this piston)</b>	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)
<b>General Rule of Thumb</b>	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
<b>Buggy Front</b>	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.
<b>Buggy Rear</b>	n/a	27.5 wt.	32.5 to 35 wt.	27.5 to 30 wt.	30 wt.	32.5 wt.
<b>4wd Buggy Front</b>	30 to 32.5 wt.	32.5 to 35 wt.	n/a	35 wt.	35 wt.	n/a
<b>4wd Buggy Rear</b>	n/a	n/a	30 wt.	n/a	27.5 to 30 wt.	30 wt.
<b>SC / Truck Front</b>	30 to 35 wt.	30 to 32.5 wt.	n/a	30 to 35 wt.	n/a	n/a
<b>SC / Truck Rear</b>	n/a	27.5 wt.	30 to 32.5 wt.	27.5 wt.	30 wt.	30 to 32.5 wt.

