

Oil Fill Chart for ST and DP3 Struts

Stroke	Main Cylinder (2.5w suspension or fork oil from factory. Can use up to 10w oil)			Piston Shaft (10w fork oil)	* Minimum Recommended Shaft Showing at Ride Height
	Main Cylinder * Running Oil Depth (inches)	Measure by volume (main and outer cylinders combined) (ml or cc)	Measure by depth with all oil in main cylinder (outer cylinder empty) (inches)	Piston Shaft Oil (ml or cc)	(inches)
8	2.1	163	3.2	170	4.1
10	2.6	209	4.1	220	4.6
12	3.2	252	4.9	270	5.2
14	3.8	303	5.9	320	5.8
16	4.3	349	6.8	370	6.3
18	4.9	392	7.6	420	6.9
20	5.4	439	8.5	470	7.4

Note 1 Running oil depth is the self-maintaining oil depth in the main cylinder while driving--measured in inches. There is also oil in the outer cylinder. Oil passes back and forth between the main and outer cylinders while driving.

Note 2 If vehicle is set up with less shaft showing than what is shown in the far right column then ride will be rough, due to riding constantly on the 2nd stage of compression damping. By following the recommended minimum shaft you allow for some free-moving compression stroke of the shaft before the piston begins to force oil through the compression damping ports.