

Oil Fill Chart STX Struts

Stroke	Main Cylinder Oil (2.5 to 5w suspension fluid or motorcycle fork oil)			Piston Shaft Oil (10w fork oil)	** Minimum Recommended Shaft Showing at Ride Height
	Main Cylinder * Running Oil Depth (inches)	Measure by Volume ↓ all oil in main cylinder (outer cylinder empty) (ml or cc)	or Measure by Depth ↓ all oil in main cylinder, measured oil depth from top of piston (outer cylinder empty) (inches)	(extend shaft fully to drain all oil before re-filling) (ml or cc)	(inches)
8	4.1	215	4.2	170	5.1
10	4.7	261	5.1	220	5.7
12	5.2	304	5.9	270	6.2
14	5.8	355	6.9	320	6.8
16	6.4	401	7.8	370	7.4
18	6.9	444	8.6	420	7.9
20	7.6	491	9.5	470	8.6
22	8.0	530	10.3	520	9.0
24	8.7	581	11.3	570	9.7
26	9.3	624	12.1	620	10.3
28	9.7	663	12.9	670	10.7
30	10.3	710	13.8	720	11.3

* 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.

** If vehicle is set up with less shaft showing than what is recommended in the far right column, the struts will be more likely to bottom out. By following the recommended minimum shaft showing, all three compression damping stages will operate at maximum efficiency by allowing for some free-moving compression stroke of the shaft before the piston begins to force oil through the compression damping ports.