

# APPROXIMATE ABRASIVENESS/ COEFFICIENT OF FRICTION - $\mu$



ULTERRA™

<b>Formation (UCS)</b>	<b>Very Soft &lt; 5,000 psi</b>	<b>Soft &lt; 10,000 psi</b>	<b>Medium &lt; 15,000 psi</b>	<b>Hard &lt; 25,000 psi</b>
<b>3-4 Blade</b>	1.2-2.2		0.9 - 1.5	0.5 - 0.77
<b>5-7 Blade</b>	1.0-1.5	0.9 - 1.1	0.8 - 1.0	0.65 - 0.71
<b>&gt;8 Blade</b>	0.28-0.58		0.55 - 0.8	0.37 - 0.54