

Ultra-Tool International

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<https://www.ultra-tool.com/>**ULTRATOOL®****Edp # 45524TA****\$421.60****453L 22.41mm - 23.16mm Ø LH****Spiral Long Length Steel Shank****Carbide Head Reamer TiAlN**

Tool	
Series	453L
Diameter	22.41mm - 23.16mm
Length of Cut	51mm
Overall Length	254mm
Shank	18.0mm
Flutes	8
Flute Style	LH Spiral RH Cut
Helix	12°
Lead Chamfer	45°
Coating	TA - TiAlN
System of Measurement	Metric
Tolerance	
Diameter	+ .005mm / - .000mm
Shank	+ .013mm / - .013mm

https://www.ultra-tool.com/index.php?route=product/product&product_id=22394