ARC ABRASIVES INC

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	Mild Steel	Stainless Steel	Aluminum	Titanium
Quick-Lok Disc				
Resin Fibre Disc	•			
Flap Disc				
PSA Disc				
Belt				

Document our material removal rates against top competitors commonly used for similar mild steel applications.

ARC Products

71-047802 4-1/2 x 7/8" PREDATOR™ Resin Fibre Disc, 36 Grit

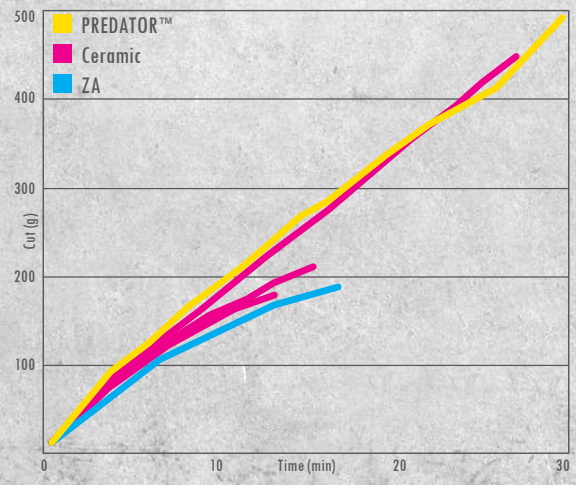
Competitive Products

4-1/2" x 7/8" Assorted Top Competitors, 36 Grit

Test Method

Each disc was tested by hand using a 4-1/2" angle grinder at 10,000 RPM. The goal was to remove as many 6" x ¼" welds on a mild steel bar. The test was noted as complete once a disc was deemed to have stopped cutting or the cut rate had dropped significantly.

Each piece of mild steel was weighed before and after each weld was removed. Each disc was weighed at the start and end of the test to establish the life of the disc. The time needed to remove the weld was recorded to establish the removal rate.



Conclusion

PREDATOR™ and the next leading contender were similar in performance, but remaining competitors cut slower and only lasted approximately half of the test.

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	Mild Steel	Stainless Steel	Aluminum	Titanium
Quick-Lok Disc				
Resin Fibre Disc		•		
Flap Disc				
PSA Disc				
Belt				

Compare our resin fibre disc performance against leading zirconia and aluminum oxide products on stainless steel.

ARC Products

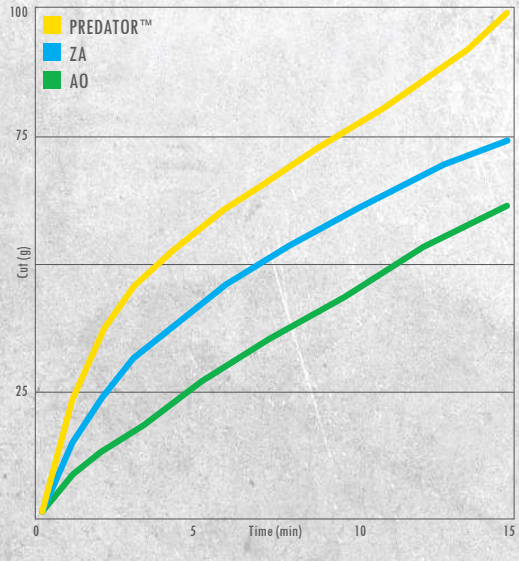
71-047802 4-1/2 x 7/8" PREDATOR™ Resin Fibre Disc, 36 Grit

Competitive Products

Zirconia alumina and aluminum oxide resin fibre discs.

Test Method

Each disc was tested off-hand using a 4-1/2" angle grinder at a speed of 11,000 RPM for 15 minutes. Tests were administered on the edge of a 12 x 2 x ¼" stainless steel bar. The stainless steel bar was weighed every minute to determine product cut rate.

Conclusion

The 36 grit PREDATOR™ disc outperformed the competitive disc cut rates by an average of 34%.