

SYNTHETIC DIAMOND GRIT



Engineered To Meet Your Needs.

Shannon Abrasives synthetic grit solutions include a Drilling series, a Sawing series and a Grinding series as well as Lapping and Polishing powders.

Drilling Grit Series

The Drill Grit Series consists of three product grades in coarse sizes designed to survive high sintering temperatures and long sintering cycles and provide high penetration rates in the hardest formations.



GRADES

SADG 95 – Ultra high-strength, high-thermal stability. Designed for extreme sintering conditions and the hardest rock formations

SADG 90 – High-strength, high-thermal stability. Designed for high-temperature sintering condition and medium to hard rock formations

SADG 80 – Mid-strength, high-thermal stability. Designed for high-temperature sintering conditions and friable abrasive rock formations

US Mesh Size	Stones per Carat	Concentration					Mean size um
		20	40	60	80	100	
18/20	90	79	158	238	317	396	1001
20/25	150	132	264	396	528	660	851
20/30	220	194	387	581	774	968	782
25-35	380	334	669	1003	1338	1672	712
30/40	660	581	1162	1742	2323	2904	602
35/45	1080	950	1901	2851	3802	4752	502

SPECIFICATIONS

Available in sieve sizes and stones per carat.

FEATURES

Both T and TiC coatings available as standard.

QUALITY

Ensuring the highest quality of synthetic diamond grit is paramount in meeting the rigorous demands of various industries, and our comprehensive quality testing procedures leave no room for compromise. One of the critical tests we conduct is the Ti TTI strength test, which assesses the grit's ability to withstand extreme pressures and abrasion. Additionally, a meticulous physical inspection is carried out to check for any imperfections or irregularities. To guarantee uniformity and

consistency, we employ automated shape sorting, which meticulously categorizes the diamond grit based on predefined criteria. Furthermore, the diamond grit is precisely sized into US mesh sizes, ensuring it aligns perfectly with your specific requirements. Our commitment to rigorous quality testing ensures that our synthetic diamond grit is of the highest standard, enabling you to achieve exceptional results in your applications, every time.



Talk To Our Experts About Your Industrial Diamond Needs



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