



TriDon™

MV516 8-1/2" Premium PDC Drillbit

The TriDon series of drill bits are custom designed drillbits utilizing application specific cutters to maximize efficiency while drilling hard and abrasive formation types. TriDon series drillbits have had success as the top performing drillbit in terms of both ROP and footage drilled in several different formation types globally.

APPLICATIONS

- Hard and abrasive formation types
- Suitable for all rotary and motor applications
- Flowrates between 250 and 750 GPM (0.95 – 2.84 m³/min)
- Weight on Bit up to 32,000 lbs. (14,234 daN)
- Makeup Torques between 12,500 and 19,500ft-lbs. (16,948 – 26,438 Nm)



FEATURES and BENEFITS

- **T** TriDon are optimized geometry cutters to increase ROP in tough applications
- **I** Impact Resistant Cutters
- **L** Strategically placed tool control elements
- **X** Backup Cutters reinforce durability when you need the most
- **U** Up-drill Cutters placed in key locations to reduce issues while tripping out
- **CFD** Computational fluid dynamics analysis is performed to boost hole cleaning



SPECIFICATIONS

TriDon 8.5MV516 PDC Drillbit								
Cutter Size <i>mm</i>	Total Cutter Count	Connection <i>inch</i>	Nozzle 1 Qty/Type	Junk Slot Area <i>inch²</i> <i>cm²</i>	Gage Pad Length <i>inch</i> <i>mm</i>	Make Up Length <i>inch</i> <i>mm</i>	Shank Diameter <i>inch</i> <i>mm</i>	IADC Code
16	42	4-1/2 API Reg	5 – Series 65	14.8 95.5	2 51	10.2 258.1	5.9 149.9	M333
Backup Cutter Size* <i>mm</i>	Face Cutter Count		Nozzle 2 Qty/Type					
16	27		-					

*NOTE: Backup Cutters are an optional built-in feature