

RAPTODON



HIGH DRILLING EFFICIENCY SERIES—SD516RALU

PRODUCT SPECS

Cutter Size:	1613 mm
Cutter Back Up:	None
Total Cutter Count:	31
Face Cutter Count:	24
Nozzle 1 qty/type:	3 / Series 65
Nozzle 2 qty/type:	4 / Series 55
OFV Ratio:	59.8%
Junk Slot Area:	18.8 in ² (121.3 cm ²)
Gage Pad Length:	2 in
Connection:	4 -1/2" API REG
Shank Diameter:	5.75 in
Make Up Length:	8.5 in

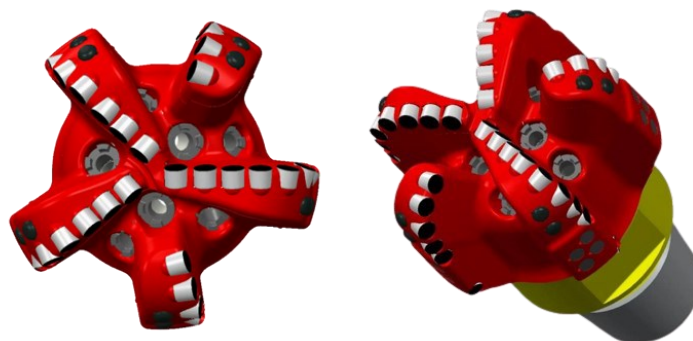
FEATURES

R Raptodon are optimized geometry cutters to build up ROP and durability in tough applications.

A Cutters engineered to last on abrasive applications

L Diamond inserts limit drill bit vibration and increase stability.

U The Updrill feature allows hole wall cleaning as you upream the wellbore eliminating problems developed during hole wall sloughing, key seating, and severe dog legs.



8 1/2" 215.9 mm
Tool #: T11705
IADC Code: S222

APPLICATIONS

RAPTODON drill bits are custom designed and equipped with application specific cutters to maximize efficiency while drilling high-plasticity shale and claystone formation.

OPERATING PARAMETERS

Rotary Speed:

For all rotary and motor applications

Flowrate Min-Max:

400 - 700 gpm (25 - 44 L/s)

Max Weight On Bit:

34000 lbs (150 kN)

Makeup Torque:

16500 - 19500 Ft-Lbs (22371 - 26438 Nm)

Operating parameters shown are typical for the bit type specified. For recommendations on your specific application, contact your CNPC USA representative.