

TECHNICAL DATA | PDC REAMER SERIES

PDC REAMER PRODUCT DATA SHEET

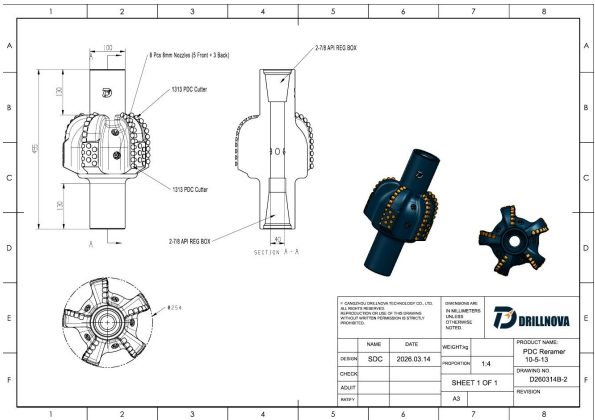
Fixed-cutter HDD reamers for controlled bore enlargement. This document consolidates verified dimensions and configuration data from the supplied engineering drawings.

PRODUCT OVERVIEW

DRILLNOVA PDC reamers are fixed-cutter horizontal directional drilling tools designed for controlled bore enlargement and effective cuttings transport. The supplied drawing set covers nominal diameters from 7 in to 18 in, with dual 2-7/8 API REG BOX connections.

APPLICATION

Confirm formation, pilot bore, target diameter, rig capacity, connection compatibility and the approved reaming plan before use.



VERIFIED MODEL RANGE

PDC Reamer 7-5-13D	7 / 177.8	389.0	2-7/8 API REG BOX, both ends	1313 + 1308	7 x 8 mm; 5 front + 2 back	D260318B-1
PDC Reamer 8-5-13	8 / 203.2	427.9	2-7/8 API REG BOX, both ends	1313 + 1308	8 x 8 mm; 5 front + 3 back	D260314B
PDC Reamer 9-5-13D	9 / 228.6	443.5	2-7/8 API REG BOX, both ends	1313 + 1308	8 x 8 mm; 5 front + 3 back	D260318B-2
PDC Reamer 10-5-13	10 / 254.0	465.0	2-7/8 API REG BOX, both ends	1313 + 1313*	8 x 8 mm; 5 front + 3 back	D260314B-2
PDC Reamer 12-5-13D	12 / 304.8	495.0	2-7/8 API REG BOX, both ends	1313 + 1308	8 x 8 mm; 5 front + 3 back	D260314B-3
PDC Reamer 14-6-16D	14 / 355.6	914.9	2-7/8 API REG BOX, both ends	1613 + 1308	12 x 8 mm; 9 front + 3 back	D260314B-4
PDC Reamer 16-6-16D	16 / 406.0	940.9	2-7/8 API REG BOX, both ends	1613 + 1308	12 x 8 mm; 9 front + 3 back	D260314B-5
PDC Reamer 18-6-16D	18 / 457.2	964.9	2-7/8 API REG BOX, both ends	1613 + 1308	12 x 8 mm; 6 front + 6 back	D260318B-3

DESIGN REFERENCE AND CONFIGURATION NOTES

Drawing-controlled specifications for engineering review and product selection.

DRAWING NOTE

The 10 in drawing labels both cutter callouts as 1313. Confirm the latest approved drawing before production or procurement.

DIAMETER RANGE

7 in to 18 in nominal reamer diameter (177.8 mm to 457.2 mm).

CONNECTION

2-7/8 API REG BOX is shown at both ends on all eight supplied drawings.

CUTTING STRUCTURE

1313/1308 PDC cutters are shown on smaller models; 1613/1308 PDC cutters are shown on 14 in, 16 in and 18 in models.

NOZZLE RANGE

Seven, eight or twelve 8 mm nozzles depending on model and front/back distribution.

DRAWING CONTROL

Drawing dates are 2026.03.14 or 2026.03.18. Use the drawing number in the model table when confirming revision status.

WEIGHT

Weight fields are blank in the supplied drawings. Verify actual product weight before lifting, transport or rig handling.

ENGINEERING USE NOTES

STEP	TOPIC	REQUIREMENT
1	Selection	Match the reamer to the pilot bore, planned enlargement sequence, geology and available rig pullback/torque.
2	Hydraulics	Confirm nozzle arrangement and fluid program for the job. Do not infer pressure or flow limits from this data sheet.
3	Compatibility	Verify exact thread condition, mating component and connection specification before assembly.
4	Approval	Final configuration and operating limits must be approved for the project and equipment.

DOCUMENT STATUS

Technical data compiled from the supplied engineering drawings. Verify the current approved drawing revision and project-specific requirements before manufacture, sale, installation or use.