



Borrox AP

Advanced performance sealed bearing reamer

APPLICATION

- low packed hole assemblies
- medium to severely packed hole assemblies
- extremely abrasive drilling conditions

BENEFITS

- available in all common hole sizes
- reduce downhole torque caused by wellbore spiraling and doglegs
- maintains borehole quality
- maintains hole gauge in extreme conditions

FEATURES

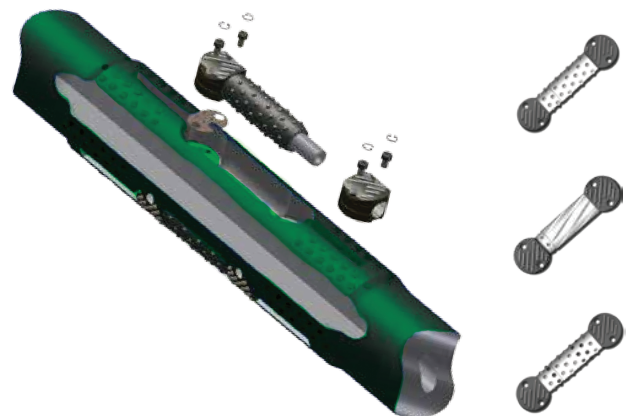
- blank ended manufacturing means the tool can be configured for near bit and string placement in the BHA
- high-flow body increases annular total flow area (TFA) to improve hole cleaning
- longer full-gauge cutting section enhances gauge maintenance
- proprietary seal endures high loads, temperatures, and rotary speeds to extend bearing life
- three cutter assemblies allow customization for different applications
- cutter assemblies changed safely and easily on rig floor
- optional real-time data connection for use with Schlumberger LWD tools

The Borrox AP* advanced performance sealed-bearing reamer has the flexibility and durability to meet rigorous downhole demands. Hole gauge maintenance and torque reduction characteristics can be customized with the Borrox AP reamer.

To help operators take on different formation applications, the Borrox AP reamer works with three different cutter assemblies: KSX* high-strength TCI reamer cutters for soft to medium-hard formations; RSX* milled-profile torque-reduction reamer rollers for torque reduction applications, and DEX* diamond-enhanced insert reamer cutters for high abrasion and impact resistance, a hard formation profile. Cutter assemblies can be changed easily on the rig floor to accommodate a range of wellbore conditions.

SERVICE AND SUPPORT

Optimum placement in the BHA is an essential in any reamer application. A Schlumberger representative should always be consulted on the placement of your Borrox AP reamer. Proprietary software can be used to analyze and predict the tendencies of a particular assembly to ensure drilling objectives are achieved. The Borrox AP reamer offers multiple cutting structure options, reliability, rig site serviceability, and the capability to maintain hole gauge in extreme conditions.





Borrox AP

Borrox Ap specifications

Hole size [†] , in	Body Diameter, in	Bore Diameter, in	cutter size, in	tool length, in	fishing neck length, in	fishing neck Diameter, in	estimated Body Weight, lbm
5.875	5.620	1.250	1.900	77.000	24.000	4.750	349
6.000	5.620	1.250	2.000	77.000	25.000	4.750	349
6.125	5.620	1.250	2.000	77.000	26.000	4.750	349
6.250	5.620	1.250	2.000	77.000	27.000	4.750	349
6.125 (large bore)	5.620	1.500	1.900	77.000	24.000	4.750	341
6.250 (large bore)	5.620	1.500	1.900	77.000	24.000	4.750	341
6.500	6.000	1.250	2.000	77.000	24.000	4.750	376
7.875	7.400	2.250	2.370	87.000	29.000	6.500	697
8.375 (6.5-in necks)	8.140	2.250	2.625	87.000	31.000	6.500	782
8.500 (6.5-in necks)	8.140	2.250	2.625	87.000	31.000	6.500	782
8.750 (6.5-in necks)	8.140	2.250	2.625	87.000	31.000	6.500	782
8.375 (7-in necks)	8.140	2.250	2.625	87.000	31.000	7.000	828
8.500 (7-in necks)	8.140	2.250	2.625	87.000	31.000	7.000	828
8.750 (7-in necks)	8.140	2.250	2.625	87.000	31.000	7.000	828
9.875	9.500	2.813	2.625	82.000	30.000	8.500	1142
10.625	10.250	2.813	2.625	87.000	31.000	8.250	1244
12.000	11.550	2.813	4.000	112.000	49.000	10.000	2153
12.250 (8-in necks)	11.800	2.813	4.000	112.000	49.000	8.000	1477
12.250 (10-in necks)	11.800	2.813	4.000	112.000	49.000	10.000	2181
14.250	12.855	3.000	4.000	112.000	43.000	10.000	2366
14.750	14.000	3.000	5.125	112.000	49.000	10.000	2267
16.000 (10-in necks)	14.000	3.000	5.125	112.000	49.000	10.000	2405
16.000 (11-in necks)	14.000	3.000	5.125	112.000	49.000	11.000	2805
16.375	13.764	3.000	5.125	112.000	43.000	10.000	2414
16.500	13.764	3.000	5.125	112.000	43.000	10.000	2414
17.000	14.313	3.000	5.125	112.000	43.000	10.000	2499
17.500	15.500	3.000	5.125	112.000	49.000	10.000	2649
18.125	15.415	3.000	5.125	112.000	43.000	10.000	2672
18.250	15.415	3.000	5.125	112.000	43.000	10.000	2672
22.000 ⁺	20.000	3.000	5.125	116.000	38.000	10.000	3621

+ Other sizes available upon request

+ Four-point reamer

Borrox Ap with schlumberger real-time IWD Data connection specifications

Hole size, in	Body Diameter, in	Bore Diameter, in	cutter size, in	tool length, in	fishing neck length, in	fishing neck Diameter, in	estimated Body Weight, lbm
8.500 with 5.50 FH Pins	8.000	3.400	2.000	61.000	8.500	6.875	475
12.250 with 6.62 FH Pins	11.688	4.250	2.620	58.000	8.000	8.500	781
12.250 with 7.62 H90 Pins	11.688	4.250	2.620	59.000	8.500	9.000	833
17.500 with 7.62 H90 Pins	15.500	4.250	5.125	62.500	8.500	9.500	1183