

i-MILL TT

Intervention mill

APPLICATIONS

- Cleanout of cement and hard scale, such as barium sulfate and strontium sulfate
- Pilot milling in combination with a thru-tubing underreamer

BENEFITS

- Requires less torque and weight
- Increases cutting structure durability to remain sharper for longer
- Produces smaller, uniform cuttings through an engineered cutting structure

FEATURES

- Extended gauge pad with TCI inserts that prevents damage to completion tubulars and accessories
- PDC inserts for optimal milling performance
- Integral steel body

The i-MILL TT* intervention mill was developed using the IDEAS* integrated drillbit design platform to provide a balanced and consistent milling profile capable of efficiently clearing hard deposits, scale, and cement from well tubulars.

The i-MILL TT mill provides optimal milling results at low torque, producing small and uniform cuttings to facilitate the well cleanup process. The mill, which is powered by a thru-tubing turbine or positive displacement motor, effectively removes cement or scale from tubing, casing, and liners to restore wellbore access.

PDC inserts are standard, but the i-MILL TT mill can be dressed with TCI inserts for less-demanding applications. The diameter of the mill can be customized to meet specific gauge requirements.



The i-MILL TT mill can be fitted for either box connection or pin connection.

i-MILL TT

i-MILL TT Intervention Mill Specifications

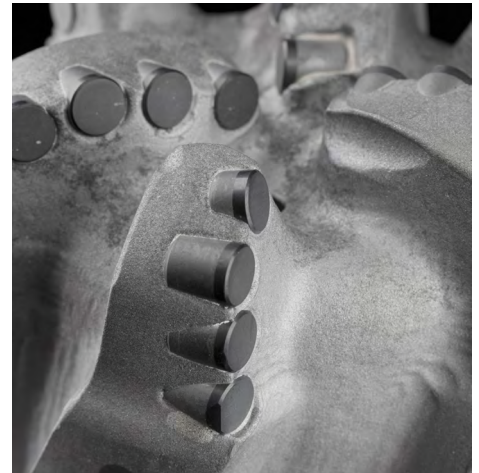
OD, in	Part Number	Total Flow Area, in ²	Overall Length, in	Fishing Neck OD, in	Connection
2.375	80037516	0.147	10.00	2.125	1½-in AMMT box
2.400	80026297	0.23	10.00	2.125	1½-in AMMT box
2.450	80026065	0.23	10.00	2.125	1½-in AMMT box
2.500	80025998	0.23	10.00	2.125	1½-in AMMT box
2.600	80045117	0.23	10.00	2.125	1½-in AMMT box
2.625	80045118	0.23	10.00	2.125	1½-in AMMT box
2.650	80045119	0.23	10.00	2.125	1½-in AMMT box
2.700	80045120	0.23	10.01	2.125	1½-in AMMT box
2.797	80045121	0.23	10.01	2.125	1½-in AMMT box
2.850	80045122	0.23	10.67	2.125	1½-in AMMT box
2.867	80023141	0.23	10.67	2.125	1½-in AMMT box
3.000	80045123	0.23	10.67	2.125	1½-in AMMT box
3.500	80017085	0.23	12.11	2.875	2¾-in PAC box
3.625	80016760	0.23	12.22	2.875	2¾-in PAC box
3.750	80027128	0.23	12.22	2.875	2¾-in PAC box
3.875	80017523	0.23	12.30	2.875	2¾-in PAC box
3.900	80017522	0.23	12.30	2.875	2¾-in PAC box
4.000	80017521	0.23	12.30	2.875	2¾-in PAC box
4.125	80017704	0.23	12.52	2.875	2¾-in PAC box
4.250	80017703	0.23	12.52	2.875	2¾-in PAC box
4.400	80017074	0.23	12.35	2.875	2¾-in PAC box
4.500	80017060	0.23	12.35	2.875	2¾-in PAC box
4.600	80024765	0.23	12.35	2.875	2¾-in PAC box
4.625	80025546	0.23	12.35	2.875	2¾-in PAC box
4.684	80045124	0.23	12.75	2.875	2¾-in PAC box
4.750	80017716	0.23	12.75	2.875	2¾-in PAC box

All part numbers above include PDC inserts; TCI inserts available on request.

Fishing neck length: 6 in.

Recommended makeup torque for 1½-in AMMT box connection: 900 ft.lbf to 1,000 ft.lbf.

Recommended makeup torque for 2¾-in PAC box connection: 2,700 ft.lbf to 3,000 ft.lbf.



The i-MILL TT mill can be fitted with either PDC or TCI inserts to meet specific milling objectives based on the severity of the application.

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Schlumberger