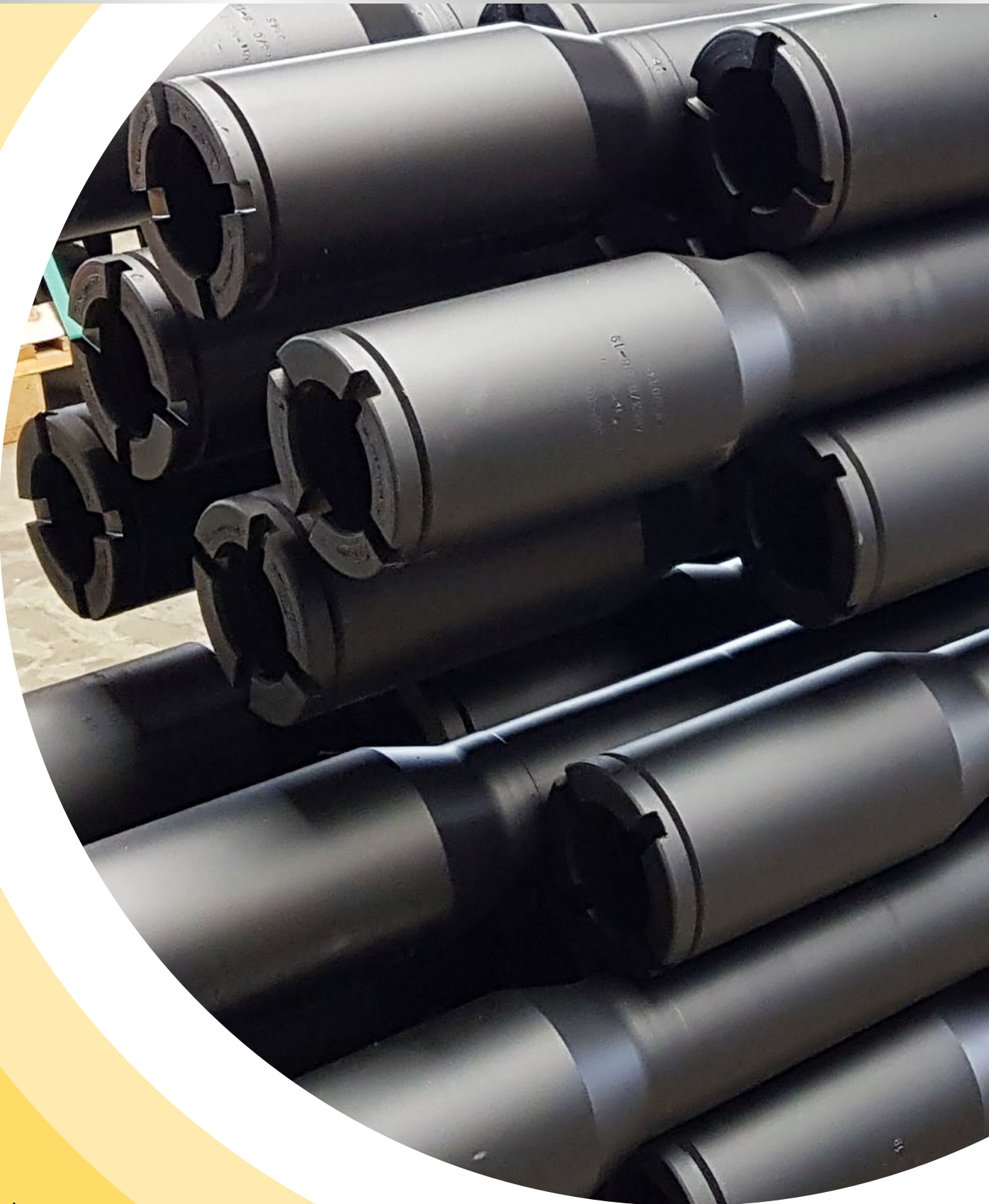


API Performance Pipes  
for Horizontal Directional  
Drilling (HDD)

**PERFORATOR**  
PERFORMANCE PIPES







As one of the world's leading manufacturers of premium drill pipes, **PERFORATOR** offers innovative, reliable and high-performance drilling solutions for the most demanding tasks in Horizontal Directional Drilling (HDD).

**PERFORATOR** drill rods and drill string components are available for all common drill rig types and designed to minimize your operating costs and maximize your drilling productivity. The in-house research and development as well as automated manufacturing processes in our state of the art German factory ensure the highest quality in material, production and the high performance of our products. Our API and ISO-certified quality management system ensures complete material traceability. A highly qualified team of specialists is always at your disposal.

#### API HDD Drill Pipe Features

- Seamless Drill Pipes as per API 5DP latest edition, PSL-1
- Friction welded tool joints as per API 5DP latest edition, PSL-1
- Tool joints manganese phosphated
- Issuing of 3.1 Certificate
- Upset designs ensures higher tensile strength than the pipe weld
- Extra-long tool joints for maximum recut length and therefore extended service life
- High-strength materials of the tube guarantee high tensile strength
- Heavy, robust pipes to maximize buckling resistance and to ensure a higher tube wear and significantly longer service life

All drill pipes are extensively inspected to ensure the highest quality standards. **PERFORATOR PERFORMANCE PIPES – Quality – Made in Germany!**

Size: Outside Diameter [in.] mm	Effective length [ft] mm	Nominal Weight Pipe [lb/ft] kg/m	Wall Thickness [in.] mm	Type Upset [-]	Grade [-]	Connection Type [-]**	Tool joint OD [in] mm	Tool joint ID [in] mm	Max. pullback [lb] kN	Max. MUT*** [ft-lb] Nm
3 1/2" 88,9	13,12 4.000	13,3 19,8	0,368 9,35	IU	S135	NC 31 (2 7/8 IF)	4 1/8" 104,8	2" 50,8	300.083 1.335	7.918 10.740
3 1/2" 88,9	16,40 5.000	13,3 19,8	0,368 9,35	IU	S135	NC 31 (2 7/8 IF)	4 1/8" 104,8	2" 50,8	300.083 1.335	7.918 10.740
3 1/2" 88,9	19,68 6.000	13,3 19,8	0,368 9,35	IU	S135	NC 31 (2 7/8 IF)	4 1/8" 104,8	2" 50,8	300.083 1.335	7.918 10.740
3 1/2" 88,9	16,40 5.000	13,3 19,8	0,368 9,35	EU	S135	NC 38 (3 1/2 IF)	5" 127,0	2 1/8" 54,0	381.870 1.669	15.909 21.570
3 1/2" 88,9	19,68 6.000	13,3 19,8	0,368 9,35	EU	S135	NC 38 (3 1/2 IF)	5" 127,0	2 1/8" 54,0	381.870 1.669	15.909 21.570
5" 127,0	16,40 5.000	19,5 29,0	0,362 9,19	IEU	S135	NC 50 (4 1/2 IF)	6 5/8" 168,3	2 3/4" 69,9	560.786 2.494	38.044 51.580
5" 127,0	19,68 6.000	19,5 29,0	0,362 9,19	IEU	S135	NC 50 (4 1/2 IF)	6 5/8" 168,3	2 3/4" 69,9	560.786 2.494	38.044 51.580
5" 127,0	31,82 9.700	19,5 29,0	0,362 9,19	IEU	S135	NC 50 (4 1/2 IF)	6 5/8" 168,3	2 3/4" 69,9	560.786 2.494	38.044 51.580

Data subject to change. We do not take any liability for printing errors and/or mistakes.  
Other sizes and connection types on request.  
\*IU Drill Pipe Internal Upset / EU External Upset / IEU Internal-External Upset  
\*\*NC Numbered Connections / IF Internal Flush  
\*\*\*MUT Make Up Torque





