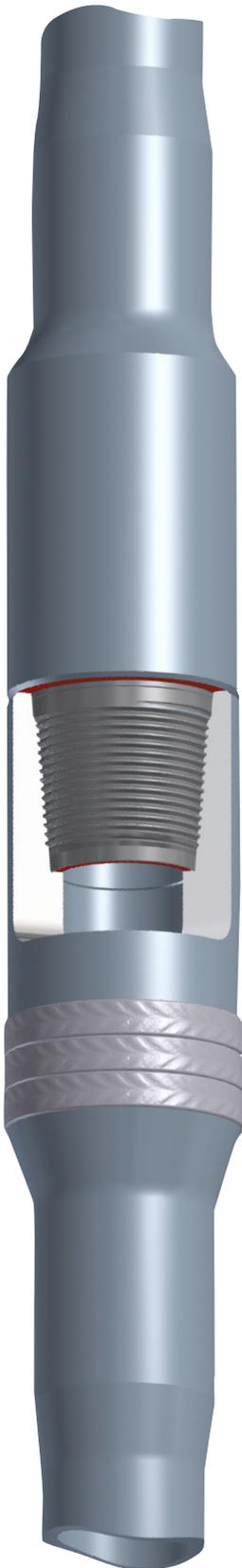




PETROL CHIMICA
SISTEMI PRODUTTIVI

PETROLCHIMICA DOUBLE SHOULDER (PETROLCHIMICA) DRILL PIPE CONNECTION



PETROLCHIMICA offers many advantages compared to Standard API Drill Pipe connections. It is particularly suited for difficult operations, such as extended and deep drilling, horizontal and slim hole wells.

Advantages:

Improved Safety & performance

Due to higher torque capacity

Increased torque capacity

Thanks to a second, internal shoulder, the torque distribution throughout the connection is improved. This enables the connection to cope with higher torsional loads.

Compatible with other API connections

PETROLCHIMICA connections are fully interchangeable with API NC or FH connections. During make-up with standard connections, the internal shoulder of PETROLCHIMICA will not get in contact with the back of the API connection. This means that you can still use existing BHA equipment.*

Cost Savings

The same equipment as for standard API connections can be used for make-up and running. Shorter make-up times can be realized.

Increased hydraulic efficiency

The Flush ID of PETROLCHIMICA connections results in a better hydraulic efficiency. Additionally, it can be produced with smaller OD/larger ID while still offering the same torsional capacities than standard API connections.

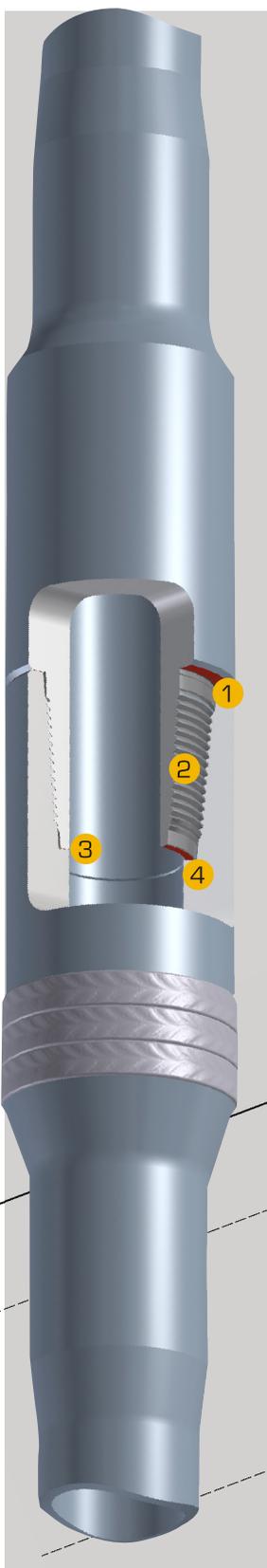
Extended product lifetime by allowing more wear

The PETROLCHIMICA connection can provide the same torque capacity at a smaller OD compared to standard API Drill Pipe connections. As a result, it can be used longer before being declared as Premium Class or Class II.

*(Please consider that the performance is limited to the properties of the weaker connection in such cases.)



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petrolchimica connection	compatible api connection
petrolchimica SLH	2 3/8 SLH90
petrolchimica 26	NC26
petrolchimica 31	NC31
petrolchimica 38	NC38
petrolchimica 40	NC40
petrolchimica 46	NC46
petrolchimica 50	NC50
petrolchimica 55	5 1/2 FH

petrolchimica performance characteristics					
connection	od (in)	id (in)	tensile capacity (lbs)	torsional capacity (ft-lbs)	recommended make-up torque (ft-lbs)*
petrolchimica SLH	3.25	2	219,600	7,200	4,700
petrolchimica 26	3.125	1.25	493,000	8,100	4,800
petrolchimica 31	4.125	2	537,000	18,600	11,200
petrolchimica 38	4.875	2.563	703,300	27,800	16,700
petrolchimica 40	5.25	2.688	841,100	35,400	21,200
petrolchimica 46	6.25	3.25	976,300	46,300	27,800
petrolchimica 50	6.625	3.25	1,374,700	77,800	46,700
petrolchimica 55	7	4	1,371,300	79,000	47,400

* calculated for Top Joints with 130 ksi yield strength. More data available on request.

Special features:

- 1 Primary seal shoulder
- 2 API thread form
- 3 Flush ID
- 4 Secondary torque shoulder



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