

TAGRAS Oilfield Services Holding



TUBING PIPE WITH HKF THREAD



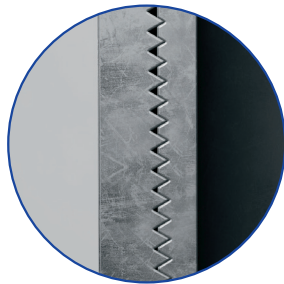
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Scope of application

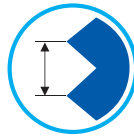
High-strength wear-resistant HKF thread is applied on tubing pipes used for process operations in oil and gas wells with difficult operating conditions.

HKF threads have an elongated design and improved strength characteristics.

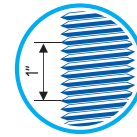


- ✓ 20% stronger
- ✓ 16 times more reliable

Thread pitch
0.11 in



1 inch
8 threads



Ultimate strengths and recommended torque values for pipe make up

Nominal pipe diameter, in	Thread schedule-size	Wall thickness, in	Strength group					
			D	K	E	L	M	R
Ultimate joint strength in the thread, Qult, kipf								
2.87	F-3.2	0.2	71.71	92.8	180.1	123.6	136.7	175.6
		0.3	95.9	124.3	139.6	165.5	183.2	235.2
89 (3.50)	F-3.2	0.26	109	141.4	158.9	188.2	208.4	267.5
		0.31	138.9	180.1	202.3	239.9	265.3	340.8
Make-up torque, lbf-ft								
73 (2.87)	F-3,2	0.2	1.313	1.519	1.623	1.844	2.036	2.552
		0.3	1.733	1.991	2.139	2.434	2.699	3.393
89 (3.50)	F-3,2	0.26	1.564	1.881	2.176	2.581	2.803	3.577
		0.31	1.881	2.463	2.773	3.290	3.636	4.647



Advantages of the NKF-threaded joint

- The bearing capacity of HKF-threaded joint is 20% higher than conventional tubing as per GOST 633-80
- HKF-threaded pipes are 15% cheaper than hardened upset-end pipes.
- The lifetime of HKF threads is 16 times higher than conventional threads.
- Thread misalignment is eliminated due to the increased free thread run-in into the coupling.