

Extract of Norm UNI EN 751-3

DERSCRIPTIONS

Pipe fittings, gas pipes, water pipes, hot water, threaded fittings, sealing materials, tapes, classifications, specifications, dimensional tolerances, effectiveness, dimensional measurements, tests, marking.

CLASSIFICATION OF P.T.F.E. TAPES

There are two classes of P.T.F.E. tapes, mainly differing in thickness and mass per area (density), suitable for fine (F) and coarse (G) threads in accordance with table 1.

Table 1: Classification of P.T.F.E. tapes.

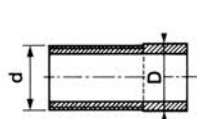
Class	Thread	Nominal size
F,FRp ²⁾	ISO 7-1 taper/parallel and taper/taper	DN 10 ¹⁾
G,GRp ²⁾	ISO 7-1 taper/parallel and taper/taper	10<DN 50

¹⁾ Class F tapes may also be used for other dimensions when the number of turns of the thread is $\geq 7,5$.

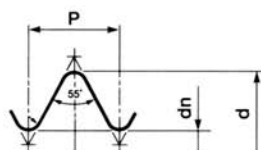
²⁾ P.T.F.E. tapes where limited turning back of taper/parallel threaded joints (R/Rp) is permitted, are additionally marked with Rp.

Informations about thread UNI ISO 228/ISO 7 Norm

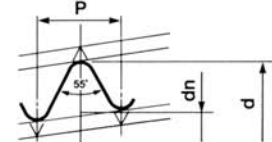
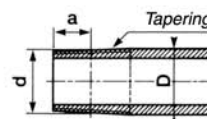
THREAD FOR GAS PIPES



Inside cylindrical thread



Outside conical thread



Coupling of outer conical thread with cylindrical inside thread.

\emptyset (inches)	number of threads per inch	\emptyset (mm)	D (mm)	d (mm)	p (mm)	dn (mm)	a (mm)
1/8	28	5-10	10,2	9,728	0,907	8,566	3,1 to 4,9
1/4	19	8-13	13,5	13,157	1,337	11,445	4,7 to 7,3
3/8	19	12-17	17,2	16,662	1,337	14,950	5,1 to 7,7
1/2	14	15-21	21,3	20,955	1,814	18,631	6,4 to 10
3/4	14	20-27	26,9	26,441	1,814	24,117	7,7 to 11,3
1	11	26-34	33,7	33,249	2,309	30,291	8,1 to 12,7
1 1/4	11	33-42	42,4	41,910	2,309	38,952	10,4 to 15
1 1/2	11	40-49	48,3	47,803	2,309	44,845	13,6 to 18,2
2	11	50-60	60,3	59,614	2,309	56,656	13,6 to 18,2
2 1/2	11	66-76	76,1	75,184	2,309	72,226	14 to 21
3	11	80-90	88,9	87,884	2,309	84,926	17,1 to 24,1