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Application of Parallel Pipe and Tapered Pipe Thread

Parallel Pipe: G (PF), Rp (PS)

Applicable Thread		TPI	Internal Threading (G, Rp)		Min. Bore Dia. (mm)	Same Root Radius
Inch	Symbol Previous Symbol		Insert			
-	G 1/16 (-)	28	**HPTR**	**06005-55-010**	6.56	0.12
'1/8	G 1/8 (PF 1/8)	28		**08007-55-010**	8.57	0.12
'2/8	G 1/4 (PF 1/4)	19	**HPTR**	**08007-55-010**	11.45	0.18
'3/8	G 3/8 (PF 3/8)	19			14.95	0.18

Tapered Pipe: R, Rc (PT) (BSPT)

Applicable Thread		TPI	Internal Threading (Rc)		Min. Bore Dia. (mm)	Same Root Radius
Inch	Symbol Previous Symbol		Insert			
-	R 1/16, Rc 1/16 (-)	28	**HPTR**	**06005-55-010**	-	0.12
'1/8	R 1/8, Rc 1/8 (PT 1/8)	28		**08007-55-010**	-	0.12
'2/8	R 1/4, Rc 1/4 (PT 1/4)	19	**HPTR**	**08007-55-010**	-	0.18
'3/8	R 3/8, Rc 3/8 (PT 3/8)	19			-	0.18

• When using "HPT type" for parallel Pipe / Tapered Pipe threading, thread's corners become sharp edged due to its partial profile, and the sharp will not be the same as the standard shape for Parallel Pipe / Tapered Pipe.

D.O.C. & Number of Passes (Parallel Pipe / G (PF), Tapered Pipe / BSPT (PT) (Rc))

TPI	Total D.O.C.	No. of Passes	1 Pass	2 Pass	3 Pass	4 Pass	5 Pass	6 Pass	7 Pass	8 Pass	9 Pass	10 Pass	11 Pass	12 Pass	13 Pass	14 Pass	15 Pass	16 Pass	17 Pass	18 Pass
28	0.0240	12	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001						
19	0.0374	18	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001

Application for NPT

Applicable Thread	TPI	Internal Threading		
		Toolholder	Insert	
			Partial Profile	Full Profile
1/16 NPT	27	**No Tools Available**		
1/8 NPT	27	**No Tools Available**		
1/4 NPT	18	**EZH Sleeve**	**HPTR06005-60-005**	-
3/8 NPT	18	See Page ➔ **J29**	**HPTR07507-60-005**	-
1/2 NPT	14	**EZH Sleeve**	**HPTR07507-60-005**	-
3/4 NPT	14	See Page ➔ **J29**	**HPTR07507-60-005**	-
1/2 NPT	14	**SINR1616S-16**	-	-
3/4 NPT	14	**SINR2016S-16**	-	**16IR14NPT**

• Application of NPTF Thread

NPTF is the thread for sealing pipes without using any sealing material.

Thread symbol is similar to NPT but the Tolerance is different from that of NPT and the above inserts are not applicable to NPTF.

D.O.C. & Number of Passes (American National Tapered Pipe (NPT))

TPI	Total D.O.C.	No. of Passes	1 Pass	2 Pass	3 Pass	4 Pass	5 Pass	6 Pass	7 Pass	8 Pass	9 Pass	10 Pass	11 Pass	12 Pass	13 Pass	14 Pass	15 Pass	16 Pass	17 Pass	18 Pass	19 Pass
18	0.0484	16	0.007	0.006	0.005	0.005	0.004	0.004	0.003	0.003	0.003	0.002	0.002	0.002	0.001	0.001	0.001	0.001			
14	0.0614	19	0.007	0.006	0.006	0.006	0.005	0.004	0.004	0.004	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001