

Technical Data: Threads

The following is a listing of the most commonly used threads. However, Akron Brass has the ability to cut many other threads required by the fire service. Normally there is no extra charge for these unique threads.

Akron identifies all unique threads with a 3-letter Thread Code. Simply use the code when ordering Akron product to obtain a proper fit. If this is not possible, either indicate the city and state of use or supply a copy of thread specifications.

Distinct Threads																								
Size	National Standard Nh (Nst)*			Straight Iron Pipe Npsh (Ipt)			New York Corporation Nyc			Pacifica Coast Pct			New York Fire Dept. Fdny			Chicago Fire Dept			Chicago Hose			British Standard Pipe Thread Bspt		
	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code
1/4"	1.375	8	AAP	1.0353*	14	AAA	-	-	-	1.0625	11	AAD	-	-	-	-	-	-	1.081	11 1/2	AAF	1.041	14	AAB
1"	1.375	8	AAP	1.295*	11 1/2	AJ	-	-	-	1.3125	11 1/2	AAL	1.66	8	AAS	-	-	-	1.2951	11 1/2	AAI	1.309	11	AAK
1 1/4"	1.6718	9	ACF	1.6399*	11 1/2	ACB	-	-	-	1.86	11	ACH	-	-	-	-	-	-	1.705	11 1/2	ACG	1.65	11	ACD
1 1/2"	1.99	9	ABM	1.8788*	11 1/2	AAY	2.093	11	ABQ	2.1	11	ABT	2.1	8	ABU	1.933	11 1/2	ABE	1.952	11 1/2	ABH	1.882	11	AAZ
2"	2.5156	8	ACM	2.3528*	11 1/2	ACK	2.561	11	ACP	2.55	10	ACQ	-	-	-	-	-	-	2.522	8	ACO	2.347	11	ACJ
2 1/2"	3.0686	7 1/2	AGL	2.841*	8	ACV	3	8	AEF	3.046	7 1/2	AFJ	3.03	8	AFB	2.99	7 1/2	ADZ	3.046	7	AFD	2.96	11	ADL
3"	3.6239	6	ALC	3.47	8	AKY	-	-	-	-	-	-	3.63	8	ALE	-	-	-	-	-	-	3.46	11	AKX
3 1/2"	4.2439	6	ALS	3.97	8	ALJ	-	-	-	-	-	-	4.07	8	ALN	4.052	8	ALL	-	-	-	-	-	-
4"	5.0109	4	ANT	4.47	8	ALV	-	-	-	-	-	-	4.61	8	AMA	5.011	4	ANT	-	-	-	4.45	11	ASB
4 1/2"	5.7609	4	APV	4.97	8	AOP	-	-	-	-	-	-	5.8	4	APX	5.761	4	APV	-	-	-	4.95	11	BAN
5"	6.26	4	ARD	5.535	8	APZ	-	-	-	-	-	-	-	-	-	6.26	4	ARD	-	-	-	5.45	11	AUD
6"	7.025	4	ARQ	6.592	8	ARF	-	-	-	-	-	-	-	-	-	7.025	4	AUJ	-	-	-	6.45	11	AUI

1 1/2" Underwriters Playpipe (PPS) - 2.1875 ODM, 12 TPI (ABX)

1/2" Garden Hose Thread (GHT) - 1.0625 ODM, 11 1/2 TPI (AAE)

* National Form Thread

† Whitworth Form Thread

ODM = Outside Diameter of Male

TPI = Threads Per Inch

Abbreviation for tapered iron pipe threads in NPT (National Pipe Tapered) or TIPT.

Abbreviation for straight iron pipe threaded is NPSH, IPT or SIPT.

NOTE: NPT Thread Not Available in Female Swivels

Flanges			
American Standards Association (ASA) Flange	2 1/2"	3"	4"
Outside Diameter	7"	7 1/2"	9"
Bolt Circle Diameter	5 1/2"	6"	7 1/2"
Bolt Size	1/2"	1/2"	1/2"
Number of Bolt Holes	4	4	8

Canadian Standard 2 1/2" Hose Threads				
Size	Description	Thread Codes	Odm	Tpi
2 1/2"	AMA - Alberta Mutual Aid	AEA	2.99	8*
2 1/2"	BCT - British Columbia	AEH	3	8*
2 1/2"	CSA - Canadian Standards Association - Ontario - All	All	3.125	5*
2 1/2"	QST - Province of Quebec Standard	AFD	3.031	7
2 1/2"	Western Canada Fire Underwriters Association	AKB	3.25	6
2 1/2"	Nova Scotia - Zone 1	AJN	3.23	5

*National Form Thread

Suction Hose Threads (Reference Only)												
	4"			4 1/2"			5"			6"		
	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code
American La France	5.085	4	AOC	5.7609**	4	APW	6.15	4	AQO	7.000**	4	ARP
Mack Truck	5.0109**	4	ANT	5.7609**	4	APV	-	-	-	6.9559	4	ARJ
Maxim	5.000**	4	ANR	5.750**	4	APW	6.250**	4	ARB	7.000**	4	ARP
Seagrave FWD	4.955	4	ANR	-	-	-	6.055	4	AQJ	7.055	4	ART
Ward La France	5.0109**	4	ANT	5.7609**	4	AUR	6.260**	4	ARD	7.025**	4	ARQ
Hale Fire Pump Co.	5.010**	4	ANT	5.760**	4	APW	6.260**	4	ARD	7.025**	4	ARQ
Waterous Fire	5.0109**	4	ANT	5.7609**	4	APV	6.260**	4	ARD	7.261	4	ARW
										Also uses NH		
										7.025**	4	ARQ

** Falls within the range of NH Thread

All dimensions shown are the Maximum ODM