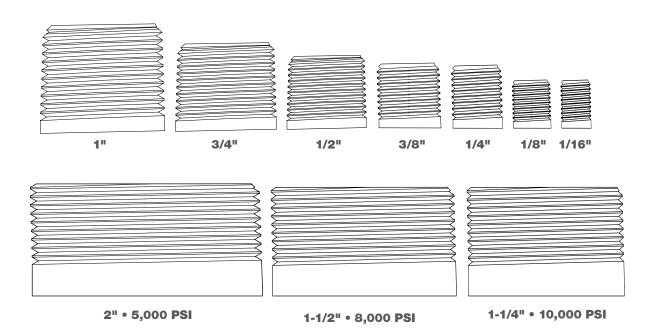
TECHNICAL 15K PSI (1000 BAR)

NATIONAL PIPE TAPER (NPT)

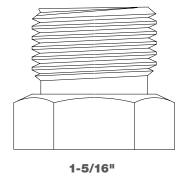
SIZE REFERENCE CHART SINGLE PIECE MALE • ACTUAL SIZE

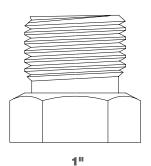


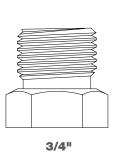
TYPE M

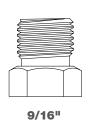
SIZE REFERENCE CHART SINGLE PIECE MALE • ACTUAL SIZE

SIZE	CONNECTION THREAD	RECOMMENDED TORQUE					
0.22		ft-lb	N-m				
9/16" Type M	9/16" - 18UNF	30	41				
3/4" Type M	3/4" - 16UNF	45	61				
1" Type M	1" – 12UNF	70	95				
1-5/16" Type M	1-5/16" - 12UN	110	149				









HOSES/LANCES 20K PSI (1380 BAR)

FLEX LANCES

Used for the cleaning of small diameter tubes such as those found in heat exchangers, condensers, and boilers.

- Stainless steel end fittings.
- Plastic core reinforced by four spiral layers of high tensile steel wire enclosed in a tough, flexible polyamide jacket.
- Small minimum bend radius.
- Custom lengths and end fittings available upon request.



1/4-28 THREADED	SWIVEL	TOOL END	LEI	NGTH	INSIE	E DIA.	OUTE	R DIA.	CRIME	DIA.	MAV	NP	WEI	GHT	MIN. BE	ND RAD.
LANCES	SIZE	CONNECTION	ft	m	in	mm	in	mm	in	mm	psi	bar	lb/ft	kg/m	in	mm
ACHO H34035FTM4NZLM	9/16" Type M	1/4"-28 LH Male BP	35	10.7	0.13	3	0.031	8	0.47	12.1	29000	2000	0.090	0.135	4.33	110
ACHO H34035FTM4NZRF	9/16" Type M	1/4"-28 RH Female	35	10.7	0.13	3	0.031	8	0.47	12.1	29000	2000	0.090	0.136	4.33	110
ACHO H34035FTM4NZRM	9/16" Type M	1/4"-28 RH Male BP	35	10.7	0.13	3	0.031	8	0.47	12.1	29000	2000	0.090	0.137	4.33	110
ACHO H34050FTM4NZLM	9/16" Type M	1/4"-28 LH Male BP	50	15.25	0.13	3	0.031	8	0.47	12.1	29000	2000	0.090	0.138	4.33	110
ACHO H34050FTM4NZRF	9/16" Type M	1/4"-28 RH Female	50	15.25	0.13	3	0.031	8	0.47	12.1	29000	2000	0.090	0.139	4.33	110
ACHO H34050FTM4NZRM	9/16" Type M	1/4"-28 RH Male BP	50	15.25	0.13	3	0.031	8	0.47	12.1	29000	2000	0.090	0.140	4.33	110
ACHO H42H035FTM4NZRM	9/16" Type M	1/4"-28 RH Male BP	35	10.7	0.16	4	0.32	8	0.394	10	20300	1400	0.075	0.112	2.95	75
ACHO H42H050FTM4NZRM	9/16" Type M	1/4"-28 RH Male BP	50	15.25	0.16	4	0.32	8	0.394	10	20300	1400	0.075	0.113	2.95	75
ACHO H44025FTM4NZLM	9/16" Type M	1/4"-28 LH Male BP	25	7.62	0.16	4	0.41	10.3	0.57	14.7	31900	2200	0.157	0.234	5.12	130
ACHO H44025FTM4NZRM	9/16" Type M	1/4"-28 RH Male BP	25	7.62	0.16	4	0.41	10.3	0.57	14.7	31900	2200	0.157	0.235	5.12	130
ACHO H44035FTM4NZLM	9/16" Type M	1/4"-28 LH Male BP	35	10.7	0.16	4	0.41	10.3	0.57	14.7	31900	2200	0.157	0.236	5.12	130
ACHO H44035FTM4NZRF	9/16" Type M	1/4"-28 RH Female	35	10.7	0.16	4	0.41	10.3	0.57	14.7	31900	2200	0.157	0.237	5.12	130
ACHO H44035FTM4NZRM	9/16" Type M	1/4"-28 RH Male BP	35	10.7	0.16	4	0.41	10.3	0.57	14.7	31900	2200	0.157	0.238	5.12	130
ACHO H44050FTM4NZLM	9/16" Type M	1/4"-28 LH Male BP	50	15.25	0.16	4	0.41	10.3	0.57	14.7	31900	2200	0.157	0.239	5.12	130
ACHO H44050FTM4NZRF	9/16" Type M	1/4"-28 RH Female	50	15.25	0.16	4	0.41	10.3	0.57	14.7	31900	2200	0.157	0.240	5.12	130
ACHO H44050FTM4NZRM	9/16" Type M	1/4"-28 RH Male BP	50	15.25	0.16	4	0.41	10.3	0.57	14.7	31900	2200	0.157	0.241	5.12	130
3/8-24 THEADED SWIVEL TOOI	TOOL END	LENGTH		INSIDE DIA. 0		OUTE	DUTER DIA. CRIM		DIA. MAWP		NP	WEIGHT		MIN. BEND RAD.		
LANCES	SIZE	CONNECTION	ft	m	in	mm	in	mm	in	mm	psi	bar	lb/ft	kg/m	in	mm
ACHO H54035FTM6NZLM	9/16" Type M	3/8"-24 LH Male BP	25	40 =												
ACHO HE 400EETMCNIZDE		0/0 ETEITMAIOBI	35	10.7	0.2	5	0.44	11.2	0.59	15	26100	1800	0.174	0.260	5.91	150
ACHO H54035FTM6NZRF	9/16" Type M	3/8"-24 RH Female	35	10.7	0.2	5 5	0.44	11.2	0.59	15 15	26100 26100	1800	0.174	0.260	5.91 5.91	150 150
ACHO H54035FTM6NZRM																
	9/16" Type M	3/8"-24 RH Female	35	10.7	0.2	5	0.44	11.2	0.59	15	26100	1800	0.174	0.261	5.91	150
ACHO H54035FTM6NZRM	9/16" Type M 9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP	35 35	10.7	0.2	5 5	0.44	11.2 11.2	0.59	15 15	26100 26100	1800 1800	0.174 0.174	0.261	5.91 5.91	150 150
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM	9/16" Type M 9/16" Type M 9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP	35 35 50	10.7 10.7 15.25	0.2 0.2 0.2	5 5 5	0.44 0.44 0.44	11.2 11.2 11.2	0.59 0.59 0.59	15 15 15	26100 26100 26100	1800 1800 1800	0.174 0.174 0.174	0.261 0.262 0.263	5.91 5.91 5.91	150 150 150
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM ACHO H54050FTM6NZRF	9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female	35 35 50 50	10.7 10.7 15.25 15.25	0.2 0.2 0.2 0.2	5 5 5 5	0.44 0.44 0.44 0.44	11.2 11.2 11.2 11.2	0.59 0.59 0.59 0.59	15 15 15 15	26100 26100 26100 26100	1800 1800 1800 1800	0.174 0.174 0.174 0.174	0.261 0.262 0.263 0.264	5.91 5.91 5.91 5.91	150 150 150 150
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM ACHO H54050FTM6NZRF ACHO H54050FTM6NZRM	9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP	35 35 50 50	10.7 10.7 15.25 15.25 15.25	0.2 0.2 0.2 0.2 0.2	5 5 5 5 5	0.44 0.44 0.44 0.44	11.2 11.2 11.2 11.2 11.2	0.59 0.59 0.59 0.59 0.59	15 15 15 15 15	26100 26100 26100 26100 26100	1800 1800 1800 1800 1800	0.174 0.174 0.174 0.174 0.174	0.261 0.262 0.263 0.264 0.265	5.91 5.91 5.91 5.91 5.91	150 150 150 150 150
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM ACHO H54050FTM6NZRF ACHO H54050FTM6NZRM ACHO H64035FTM6NZLM	9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP	35 35 50 50 50 35	10.7 10.7 15.25 15.25 15.25 10.7	0.2 0.2 0.2 0.2 0.2 0.2	5 5 5 5 5 6.3	0.44 0.44 0.44 0.44 0.5	11.2 11.2 11.2 11.2 11.2 12.6	0.59 0.59 0.59 0.59 0.59 0.64	15 15 15 15 15 15 16.4	26100 26100 26100 26100 26100 21750	1800 1800 1800 1800 1800 1500	0.174 0.174 0.174 0.174 0.174 0.198	0.261 0.262 0.263 0.264 0.265 0.29	5.91 5.91 5.91 5.91 5.91 7.09	150 150 150 150 150 150
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM ACHO H54050FTM6NZRF ACHO H54050FTM6NZRM ACHO H64035FTM6NZLM ACHO H64035FTM6NZRF	9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female	35 35 50 50 50 35 35	10.7 10.7 15.25 15.25 15.25 10.7 10.7	0.2 0.2 0.2 0.2 0.2 0.25 0.25	5 5 5 5 5 6.3 6.3	0.44 0.44 0.44 0.44 0.5 0.5	11.2 11.2 11.2 11.2 11.2 12.6 12.6	0.59 0.59 0.59 0.59 0.59 0.64	15 15 15 15 15 15 16.4 16.4	26100 26100 26100 26100 26100 21750 21750	1800 1800 1800 1800 1800 1500	0.174 0.174 0.174 0.174 0.174 0.198	0.261 0.262 0.263 0.264 0.265 0.29	5.91 5.91 5.91 5.91 5.91 7.09	150 150 150 150 150 108
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM ACHO H54050FTM6NZRF ACHO H54050FTM6NZRM ACHO H64035FTM6NZLM ACHO H64035FTM6NZRF ACHO H64035FTM6NZRF	9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M 9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP	35 35 50 50 50 35 35	10.7 10.7 15.25 15.25 15.25 10.7 10.7	0.2 0.2 0.2 0.2 0.2 0.25 0.25	5 5 5 5 5 6.3 6.3 6.3	0.44 0.44 0.44 0.44 0.5 0.5 0.5	11.2 11.2 11.2 11.2 11.2 12.6 12.6	0.59 0.59 0.59 0.59 0.59 0.64 0.64	15 15 15 15 15 16.4 16.4 16.4	26100 26100 26100 26100 26100 21750 21750	1800 1800 1800 1800 1800 1500 1500	0.174 0.174 0.174 0.174 0.174 0.198 0.198	0.261 0.262 0.263 0.264 0.265 0.29 0.296	5.91 5.91 5.91 5.91 5.91 7.09 7.09	150 150 150 150 150 150 108 108
ACHO H54035FTM6NZRM ACHO H54050FTM6NZRM ACHO H54050FTM6NZRF ACHO H54050FTM6NZRM ACHO H64035FTM6NZRM ACHO H64035FTM6NZRF ACHO H64035FTM6NZRM ACHO H64050FTM6NZRM	9/16" Type M 9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP	35 35 50 50 50 35 35 35	10.7 10.7 15.25 15.25 10.7 10.7 10.7	0.2 0.2 0.2 0.2 0.2 0.25 0.25 0.25	5 5 5 5 6.3 6.3 6.3 6.3	0.44 0.44 0.44 0.44 0.5 0.5 0.5	11.2 11.2 11.2 11.2 11.2 12.6 12.6 12.6	0.59 0.59 0.59 0.59 0.59 0.64 0.64 0.64	15 15 15 15 15 16.4 16.4 16.4	26100 26100 26100 26100 26100 21750 21750 21750	1800 1800 1800 1800 1800 1500 1500 1500	0.174 0.174 0.174 0.174 0.174 0.198 0.198 0.198	0.261 0.262 0.263 0.264 0.265 0.29 0.296 0.297	5.91 5.91 5.91 5.91 5.91 7.09 7.09 7.09	150 150 150 150 150 150 108 108 108
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM ACHO H54050FTM6NZRF ACHO H54050FTM6NZRM ACHO H64035FTM6NZRM ACHO H64035FTM6NZRF ACHO H64035FTM6NZRM ACHO H64050FTM6NZRM ACHO H64050FTM6NZRF ACHO H64050FTM6NZRF	9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 LH Male BP	35 35 50 50 50 35 35 35 50 50	10.7 10.7 15.25 15.25 10.7 10.7 10.7 15.25 15.25	0.2 0.2 0.2 0.2 0.25 0.25 0.25 0.25 0.25	5 5 5 5 5 6.3 6.3 6.3 6.3	0.44 0.44 0.44 0.44 0.5 0.5 0.5 0.5	11.2 11.2 11.2 11.2 11.2 12.6 12.6 12.6	0.59 0.59 0.59 0.59 0.59 0.64 0.64 0.64 0.64	15 15 15 15 15 16.4 16.4 16.4 16.4 16.4	26100 26100 26100 26100 26100 21750 21750 21750 21750	1800 1800 1800 1800 1800 1500 1500 1500	0.174 0.174 0.174 0.174 0.174 0.198 0.198 0.198 0.198 0.198	0.261 0.262 0.263 0.264 0.265 0.29 0.296 0.297 0.298 0.299	5.91 5.91 5.91 5.91 7.09 7.09 7.09 7.09 7.09 7.09	150 150 150 150 150 108 108 108 108
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM ACHO H54050FTM6NZRF ACHO H54050FTM6NZRM ACHO H64035FTM6NZRM ACHO H64035FTM6NZRF ACHO H64035FTM6NZRM ACHO H64050FTM6NZLM ACHO H64050FTM6NZLM	9/16" Type M 9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 RH Male BP 3/8"-24 LH Male BP	35 35 50 50 50 35 35 35 50 50	10.7 10.7 15.25 15.25 10.7 10.7 10.7 15.25 15.25	0.2 0.2 0.2 0.2 0.25 0.25 0.25 0.25 0.25	5 5 5 5 6.3 6.3 6.3 6.3 6.3	0.44 0.44 0.44 0.44 0.5 0.5 0.5 0.5 0.5	11.2 11.2 11.2 11.2 11.2 12.6 12.6 12.6	0.59 0.59 0.59 0.59 0.64 0.64 0.64 0.64 0.64	15 15 15 15 15 16.4 16.4 16.4 16.4 16.4	26100 26100 26100 26100 26100 21750 21750 21750 21750 21750	1800 1800 1800 1800 1800 1500 1500 1500	0.174 0.174 0.174 0.174 0.174 0.198 0.198 0.198 0.198 0.198	0.261 0.262 0.263 0.264 0.265 0.29 0.296 0.297 0.298 0.299	5.91 5.91 5.91 5.91 7.09 7.09 7.09 7.09 7.09 7.09	150 150 150 150 150 108 108 108 108 108
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM ACHO H54050FTM6NZRF ACHO H54050FTM6NZRM ACHO H64035FTM6NZRM ACHO H64035FTM6NZRF ACHO H64035FTM6NZRM ACHO H64050FTM6NZRM ACHO H64050FTM6NZRF ACHO H64050FTM6NZRF	9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 LH Male BP	35 35 50 50 50 35 35 35 50 50 50	10.7 10.7 15.25 15.25 15.25 10.7 10.7 10.7 15.25 15.25	0.2 0.2 0.2 0.2 0.25 0.25 0.25 0.25 0.25 0.25	5 5 5 5 6.3 6.3 6.3 6.3 6.3 6.3	0.44 0.44 0.44 0.44 0.5 0.5 0.5 0.5 0.5 0.5	11.2 11.2 11.2 11.2 11.2 12.6 12.6 12.6	0.59 0.59 0.59 0.59 0.64 0.64 0.64 0.64 0.64 CRIME	15 15 15 15 15 16.4 16.4 16.4 16.4 16.4 16.4	26100 26100 26100 26100 26100 21750 21750 21750 21750 21750 MAN	1800 1800 1800 1800 1500 1500 1500 1500	0.174 0.174 0.174 0.174 0.198 0.198 0.198 0.198 0.198 0.198 WEI	0.261 0.262 0.263 0.264 0.265 0.29 0.296 0.297 0.298 0.299 0.300 GHT	5.91 5.91 5.91 5.91 7.09 7.09 7.09 7.09 7.09 MIN. BE	150 150 150 150 150 108 108 108 108 108 ND RAD.
ACHO H54035FTM6NZRM ACHO H54050FTM6NZLM ACHO H54050FTM6NZRF ACHO H54050FTM6NZRM ACHO H64035FTM6NZRF ACHO H64035FTM6NZRF ACHO H64035FTM6NZRM ACHO H64050FTM6NZRM ACHO H64050FTM6NZRF ACHO H64050FTM6NZRF ACHO H64050FTM6NZRRM	9/16" Type M	3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Female 3/8"-24 RH Male BP 3/8"-24 LH Male BP 3/8"-24 LH Male BP 3/8"-24 RH Male BP 3/8"-24 RH Male BP SWIVEL SIZE	35 35 50 50 35 35 35 50 50 50	10.7 10.7 15.25 15.25 10.7 10.7 10.7 15.25 15.25 15.25	0.2 0.2 0.2 0.2 0.2 0.25 0.25 0.25 0.25	5 5 5 5 6.3 6.3 6.3 6.3 6.3 6.3 mm	0.44 0.44 0.44 0.44 0.5 0.5 0.5 0.5 0.5 0.5	11.2 11.2 11.2 11.2 11.2 12.6 12.6 12.6	0.59 0.59 0.59 0.59 0.64 0.64 0.64 0.64 CRIME	15 15 15 15 15 16.4 16.4 16.4 16.4 16.4 DIA.	26100 26100 26100 26100 26100 21750 21750 21750 21750 21750 MAN psi	1800 1800 1800 1800 1500 1500 1500 1500	0.174 0.174 0.174 0.174 0.174 0.198 0.198 0.198 0.198 0.198 WEI lb/ft	0.261 0.262 0.263 0.264 0.265 0.29 0.296 0.297 0.298 0.299 0.300 GHT kg/m	5.91 5.91 5.91 5.91 7.09 7.09 7.09 7.09 7.09 MIN. BE	150 150 150 150 150 108 108 108 108 108 108 mm

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