HAGUE FASTENERS GUIDE TO SCREW THREAD SIZES

Major diameter of Thread			BRITISH									AMERICAN									ISO INCH & UNIFIED								SI METRIC					ISO METRIC				PIPE SIZE (Bore dia.) Nominal Diameter	PIPE THREADS				
			BSW Whitworth	BSF Fine	ADMF Admiralty	BSC Br. Std. Cycle	CEI Original Cycle	Brass	BS Conduit	BA British Association		ANC Coarse	ANF Fine	ANEF Extra Fine	12AN 12 Pitch	USS	ASME Special	ASME Standard	SAE Regular	SAE Extra Fine	UNC Coarse	UNF Fine	UNEF Extra Fine	12UN	16UN	20UN	28UN Constant pitch	32UN	SI M.MA except France and Japan	France	Japan	MB Fine	MC Fine	M ISO Coarse	M ISO Fine				BSP & ISO PIPE	NPT NPS (American)	BS Copper Pipe	Pg Armour Pipe	
	in	mm	Threads per inch							BA No	Pitch mm	Threads per inch									Threads per inch								Pitch in mm					Pitch in mm				in	TPI			Pg No	TPI
	.0394	1.0	BSW form for cycles (italics)							14	.23												In the constant pitch series some sizes are the same as in the graded pitch series						.25	.25		.2		.25	.2			For Taper Threads the size given under "Major dia. of Thread" is the Major dia. at the gauging point.			(For threads for High Pressure Copper Tubes see BSP Taper)	DIN 40430	
	.0433	1.1																																								
	.0472	1.2								13	.25																		.25	.25		.2		.25	.2							
	.0512	1.3								12	.28																															
	.0551	1.4																											.3	.3		.2		.3	.2							
	.056	1.424					62																																			
	.0591	1.5								11	.31																															
No 0	.06	1.524											80					80	80			80																				
	.063	1.6																												.3				35	.2							
	.064	1.626					62																																			
	.0669	1.7								10	.35																		.35		.35	.2										
	.0709	1.8																												.4				.35	.2							
	.072	1.829					62																																			
No 1	.073	1.854	Sizes in brackets are old Stadard									64	72				64	72	72		64	72																					
	.0748	1.9								9	.39																															
	.0787	2.0																											.4	.4		.25		.4	.25							
	.08	2.032					62																																			
	.0825	2.096				56																																				
No 2	.086	2.184										56	64				56	64	64		56	64																					
	.0866	2.2								8	.43																			.45				.45	.25							
	.0905	2.299				56																																				
	.0906	2.3																											.4		.4	.25										
	.092	2.337					56																																			
3/32	.0938	2.387	(48)																																							
	.0984	2.5								7	.48																							.45	.35							
No 3	.099	2.515										48	56				*48	56	56		48	56																					
	.1024	2.6																											.45		.45	.35										
	.1025	2.604				56																																				
	.104	2.642					44																																			
	.1102	2.8								6	.53																															
No 4	.112	2.845										40	48				*40	48	48		40	48																					
	.1145	2.908				56																																				
	.1181	3.0																											.5	.5	.6	.35		.5	.35							
1/8 No 5	.125	3.175	40			40	40	26				40	44				*40	44	44		40	44																					
	.126	3.2								5	.59																															
	.1291	3.279				44																																				
	.1378	3.5																											.6	.6		.35		.6	.35							
No 6	.138	3.505										32	40				*32	40	40		32	40																					
	.1417	3.6								4	.66						* or 36																									
	.1423	3.614				40																																				
No 7	.151	3.835															†32	36																								
	.154	3.911					40																																			
5/32	.1562	3.969	(32)			32	32	26									† or 30																									
	.1575	4.0																											.7	.75	.75	.5		.7	.5							
	.1583	4.021				40																																				
	.1614	4.1								3	.73																															
No 8	.164	4.166										32	36				†32	36	36		32	36																					
	.175	4.445					32																																			
No 9	.177	4.496															†24	32																								
	.1772	4.5																											.75	.75		.5		.75	.5							
	.1776	4.511				32																																				
	.185	4.7								2	.81																															
3/16	.1875	4.762	24	32		32	32	26																																		

Taper and Parallel. (BSP Taper Sizes up to 4 in.dia. and some extra as shown are also Brit. Std. for high pressure Copper Tubes)

Taper and Straight (Parallel)

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Major diameter of Thread			BRITISH									AMERICAN									ISO INCH & UNIFIED								SI METRIC					ISO METRIC				PIPE SIZE (Bore dia.) Nominal Diameter	PIPE THREADS				
			BSW Whitworth	BSF Fine	ADMF Admiralty	BSC Br. Std. Cycle	CEI Original Cycle	Brass	BS Conduit	BA British Association		ANC Coarse	ANF Fine	ANEF Extra Fine	12AN 12 Pitch	USS	ASME Special	ASME Standard	SAE Regular	SAE Extra Fine	UNC Coarse	UNF Fine	UNEF Extra Fine	12UN	16UN	20UN	28UN	32UN	M.MA SI except France and Japan	France	Japan	MB Fine	MC Fine	M ISO Coarse	M ISO Fine			BSP & ISO PIPE	NPT NPS (American)	BS Copper Pipe	Pg Armour Pipe	
	in	mm	Threads per inch							BA No	Pitch mm	Threads per inch									Threads per inch								Pitch in mm					Pitch in mm				in	TPI			Pg No	TPI
3/16	.185	4.7								2	.81																																
	.1875	4.762	24	32		32	32	26																																			
No 10	.19	4.826										24	32				*24	32	32		24	32																						
	.1969	5.0																											.8	.9	.9	.5		.8	.5								
	.2087	5.3								1	.9																																
No 12	.216	5.486										24	28				24	28	28		24	28	32																				
	.2165	5.5																											.9	.9		.5			.5								
7/32	.2188	5.556	(24)	28		26	26																																				
	.2362	6.0								0	1.0																			1.0		.75		1.0	.75								
No 14	.242	6.147															20	24																									
	.248	6.3																																				1/8			28		
1/4	.25	6.35	20	26	24	24	26	26				20	28	32		20			28	36	20	28	32																				
17/64	.2656	6.747				26	26																																				
No 16	.268	6.807															20	22																									
	.2756	7.0																												1.0		.75		1.0	.75								
9/32	.2812	7.144	(20)	26	24	26	26	26																																			
No 18	.294	7.468															18	20																									
	.3108	7.894																																				1/16		27	taper		
5/16	.3125	7.938	18	22	24	26	26	26				18	24	32		18			24	32	18	24	32			20	28	32															
	.315	8.0																												1.25		1.0	.75	1.25	1.0	.75							
No 20	.32	8.128															18	20																									
No 22	.346	8.788															16	18																									
	.3543	9.0																												1.25		1.0	.75	1.25	1.0	.75							
No 24	.372	9.449															18	16																									
3/8	.375	9.525	16	20	24	26	26	26				16	24	32		16			24	32	16	24	32		16	20	28	32															
	.383	9.728																																			1/8	28					
	.389	9.88																																			1/4			20			
	.3937	10.0			24																									1.5		1.0	.75	1.5	1.25	1.0	.75						
No 26	.398	10.189															14	16																									
	.4044	10.271																																			1/8		27				
No 28	.424	10.77															16	14																									
	.4331	11.0																												1.5		1.0	.75	1.5	1.0	.75							
7/16	.4375	11.112	14*	18	24	26	26	26				14	20	28		14			20	28	14	20	28		16	20	28	32															
No 30	.45	11.43	(*20														16	14																									
	.4724	12.0	cycle)					26																						1.75		1.5	1.0	1.75	1.5	1.25	1.0						
	.4921	12.5																																							7	20	
1/2	.5	12.7	12*	16	20	26	26	26	18			13	20	28	12	13			20	28	13	20	28		16	20	28	32															
	.514	13.056	(*20																																		3/8			20			
	.518	13.157	cycle)																																		3/8–1/4	19					
	.5343	13.571																																			1/4		18				
	.5512	14.0			20		RH	26																						2.0		1.5	1.0	2.0	1.5	1.25	1.0						
9/16	.5625	14.288	12*	16	20	26	26*	26				12	18	24	12	12			18	24	12	18	24	12	16	20	28	32															
	.5906	15.0	(*20				(&																									1.5	1.0		1.5	1.0							
	.5984	15.2	cycle)				*20)																																		9	18	
5/8	.625	15.875	11*	14	20	26	LH	26	18			11	18	24	12	11			18	24	11	18	24	12	16	20	28	32															
	.6299	16.0	(*20				RH																							2.0		1.5	1.0	2.0	1.5	1.0							
	.639	16.231	cycle)																																					20			
	.656	16.662																																			3/8–1/2	19					
	.6693	17.0																														1.5	1.0		1.5	1.0							

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Major dia. of Thread in	Major dia. of Thread mm	BRITISH BSW Whitworth	BRITISH BSF Fine	BRITISH ADMF Admiralty	BRITISH BSC Br. Std. Cycle	BRITISH CEI Original Cycle	BRITISH Brass	BRITISH BS Conduit	AMERICAN ANC Coarse	AMERICAN ANF Fine	AMERICAN ANEF Extra Fine	AMERICAN 8AN	AMERICAN 12AN	AMERICAN 16AN	AMERICAN USS	AMERICAN SAE Regular	AMERICAN SAE Extra Fine	ISO INCH & UNIFIED UNC Coarse	ISO INCH & UNIFIED UNF Fine	ISO INCH & UNIFIED UNEF Extra Fine	ISO INCH & UNIFIED 4UN	ISO INCH & UNIFIED 6UN	ISO INCH & UNIFIED 8UN	ISO INCH & UNIFIED 12UN Constant pitch	ISO INCH & UNIFIED 16UN Constant pitch	ISO INCH & UNIFIED 20UN Constant pitch	ISO INCH & UNIFIED 28UN Constant pitch	ISO INCH & UNIFIED 32UN Constant pitch	SI METRIC M MA SI	SI METRIC MB Fine	SI METRIC MC Fine	SI METRIC MD Fine	SI METRIC ME Fine	ISO METRIC M ISO Coarse	ISO METRIC	ISO METRIC	ISO METRIC M ISO Fine	PIPE SIZE (Bore dia.) Nominal Diameter in	PIPE THREADS BSP & ISO PIPE TPI	PIPE THREADS NPT NPS (American)	PIPE THREADS BS Copper Pipe Pg No	PIPE THREADS Pg Armour Pipe TPI
		Threads per inch							Threads per inch									Threads per inch											Pitch in mm					Pitch in mm									
11/16	.6714	17.054																																					3/16	18			
	.6875	17.462	11*	14	20	26		26			24		12		11	16	24			24				12	16	20	28	32															
	.7087	18.0	(*20																										2.5	1.5	1.0			2.5	2.0	1.5	1.0						
	.7323	18.6	cycle)																																						11	18	
3/4	.75	19.05	10*	12	14	26		26	16	10	16	20		12	16	10	16	20	10	16	20				12	16	20	28	32															
	.764	19.406	(*20																																				3/8	20			
	.7874	20.0	cycle)																										2.5	1.5	1.0			2.5	2.0	1.5	1.0						
	.8032	20.4																																							13.5	18	
13/16	.8125	20.638	(10)		14			26			20		12	16	10					20				12	16	20	28	32															
	.825	20.955			14																																		1/2	14			
	.8356	21.222																																					1/2	14			
	.8661	22.0																											2.5	1.5	1.0			2.5	2.0	1.5	1.0						
7/8	.875	22.225	9	11	14	24		26		9	14	20		12	16	9	14	20	9	14	20				12	16	20	28	32															
	.8858	22.5																																							16	18	
	.889	22.581																																					3/4	20			
	.902	22.911																																					5/8	14 parallel			
15/16	.9375	23.812	(9)		14			26			20		12	16	9					20				12	16	20	28	32															
	.9449	24.0																											3.0	2.0	1.5	1.0		3.0	2.0	1.5	1.0						
	.9675	24.575				30																																					
31/32	.9688	24.606				30																																					
	.9842	25.0																												2.0	1.5	1.0			2.0	1.5	1.0						
1	1.0	25.4	8	10	12	24	26	26	16	8	14	20	8	12	16	8	14	20	8	12	20			8	12	16	20	28	32														
	1.014	25.755																																					7/8	20			
	1.0236	26.0																												2.0	1.5	1.0				1.5							
	1.041	26.441																																					3/4	14			
	1.046	26.568																																					3/4	14			
1 1/16	1.0625	26.988									18		12	16	7					18			8	12	16	20	28																
	1.063	27.0																											3.0	2.0	1.5	1.0		3.0	2.0	1.5	1.0						
	1.1024	28.0																												2.0	1.5	1.0			2.0	1.5	1.0						
	1.114	28.3																																							21	16	
1 1/8	1.125	28.575	7	9	12	26		26		7	12	18	8	12	16	7	12	18	7	12	18			8	12	16	20	28															
	1.155	29.337																																					1	20			
	1.1811	30.0																											3.5	2.0	1.5	1.0		3.5	3.0	2.0	1.5	1.0					
1 3/16	1.1875	30.162									18		12	16	7					18			8	12	16	20	28																
	1.189	30.2																																					7/8	14 parallel			
1 1/4	1.25	31.75	7	9	12			26	16	7	12	18	8	12	16	7	12	18	7	12				8	12	16	20	28															
	1.2598	32.0																												2.0	1.5	1.0				2.0	1.5						
	1.29	32.766				24	24																																				
	1.2992	33.0				LH	LH																						3.5	2.0	1.5	1.0		3.5	3.0	2.0	1.5						
	1.3082	33.228																																					1	11 1/2			
	1.309	33.249																																					1	11			
1 5/16	1.3125	33.338									18		12	16	6					18			8	12	16	20	28																
	1.37	34.798				24	24																																				
1 3/8	1.375	34.925	(6)	8	12	LH		26		6	12	18	8	12	16	6	12	18	6	12			6	8	12	16	20	28															
	1.378	35.0				&																								3.0	2.0	1.5	1.0				1.5						
	1.405	35.687				RH																																	1 1/4	20			
	1.4173	36.0																											4.0	3.0	2.0	1.5	1.0	4.0	3.0	2.0	1.5						
1 7/16	1.4375	36.512			12		24				18		12	16	6					18		6	8	12	16	20	28																
	1.45	36.83				26	LH																																				
	1.4567	37.0				LH																																			29	16	
	1.492	37.897				&																																	1 1/8	11 taper (copper)			
	1.4961	38.0				RH																								3.0	2.0	1.5	1.0				1.5						
1 1/2	1.5	38.1	6	8	12		24	26	14	6	12	18	8	12	16	6	12	18	6	12			6	8	12	16	20	28															

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Major dia. of Thread in	Major dia. of Thread mm	BRITISH: BSW Whitworth	BSF Fine	ADMF Admiralty	BSC Br. Std. Cycle	CEI Original Cycle	Brass	BS Conduit	AMERICAN: ANC Coarse	ANF Fine	ANEF Extra Fine	8AN	12AN	16AN	USS	SAE Regular	SAE Extra Fine	ISO INCH & UNIFIED: UNC Coarse	UNF Fine	UNEF Extra Fine	4UN	6UN	8UN	12UN	16UN	20UN	28UN	32UN	SI METRIC: M MA SI	MB Fine	MC Fine	MD Fine	ME Fine	ISO METRIC: M ISO Coarse	M ISO Fine	PIPE SIZE (Bore dia.) Nominal Diameter in	PIPE THREADS: BSP & ISO PIPE TPI	NPT NPS (American) TPI	BS Copper Pipe Pg No	Pg Armour Pipe TPI
		Threads per inch							Threads per inch									Threads per inch											Pitch in mm					Pitch in mm							
$1\frac{9}{16}$	1.5625	39.688				24					18			16	$5\frac{1}{2}$					18		6	8	12	16	20															
	1.5748	40.0																												3.0	2.0	1.5	1.0		3.0	2.0	1.5					
$1\frac{5}{8}$	1.625	41.275	(5)	8	12	24		26			18	8	12	16	$5\frac{1}{2}$	12	16					6	8	12	16	20															
	1.65	41.91																																			$1\frac{1}{4}$	11			
	1.653	41.99																																			$1\frac{1}{4}$		$11\frac{1}{2}$		
	1.6535	42.0																											4.5	3.0	2.0	1.5	1.0	4.5	4.0	3.0	2.0	1.5				
	1.655	42.037																																			$1\frac{1}{2}$			20	
$1\frac{11}{16}$	1.6875	42.862									18			16	$5\frac{1}{2}$					18		6	8	12	16	20															
	1.7323	44.0																																							
	1.745	44.323																																			$1\frac{3}{8}$	11 taper (copper)			
$1\frac{3}{4}$	1.75	44.45	5	7	12			26	5		16	8	12	16	5	12	16	5				6	8	12	16	20															
	1.7716	45.0																											4.5	3.0	2.0	1.5	1.0	1.5	4.0	3.0	2.0	1.5				
$1\frac{13}{16}$	1.8125	46.038												16	5							6	8	12	16	20															
	1.8504	47.0																																						36	16
$1\frac{7}{8}$	1.875	47.625	$(4\frac{1}{2})$		12			26				8	12	16	5	12	16					6	8	12	16	20															
	1.882	47.802																																			$1\frac{1}{2}$	11			
	1.8898	48.0																											5.0	3.0	3.0	1.5	1.0	5.0	4.0	3.0	2.0	1.5				
	1.8919	48.054																																			$1\frac{1}{2}$		$11\frac{1}{2}$		
	1.929	48.997																																			$1\frac{3}{4}$			16	
$1\frac{15}{16}$	1.9375	49.212												16	5							6	8	12	16	20															
	1.9685	50.0																												3.0	2.0	1.5	1.0			3.0	2.0	1.5				
2	2.0	50.8	$(4\frac{1}{2})$	7	8			26	14	$4\frac{1}{2}$		16	8	12	16	$4\frac{1}{2}$	12	16	$4\frac{1}{2}$			6	8	12	16	20															
	2.0472	52.0																											5.0	3.0	2.0	1.5	1.0	5.0	4.0	3.0	2.0	1.5				
$2\frac{1}{16}$	2.0625	52.388												16																											
	2.082	52.883																																			$1\frac{5}{8}$	11 taper (copper)			
	2.116	53.746																																			$1\frac{3}{4}$	11 parallel			
$2\frac{1}{8}$	2.125	53.975	$(4\frac{1}{2})$		8							8	12	16	$4\frac{1}{2}$	12	16					6	8	12	16	20															
	2.126	54.0																																						42	16
	2.1654	55.0																												4.0	3.0	2.0	1.5		4.0	3.0	2.0	1.5				
	2.179	55.347																																			2			16	
$2\frac{3}{16}$	2.1875	55.562												16																											
	2.2047	56.0																											5.5	4.0	3.0	2.0	1.5	5.5	4.0	3.0	2.0	1.5				
	2.244	56.998																																			$1\frac{7}{8}$	11 taper (copper)			
$2\frac{1}{4}$	2.25	57.15	4	6	8					$4\frac{1}{2}$		8	12	16	$4\frac{1}{2}$	12	16	$4\frac{1}{2}$				6	8	12	16	20															
	2.2835	58.0																												4.0	3.0	2.0	1.5		4.0	3.0	2.0	1.5				
$2\frac{5}{16}$	2.3125	58.738												16																											
	2.3346	59.3																																						48	16
	2.347	59.613																																			2	11			
	2.3622	60.0																											5.5	4.0	3.0	2.0	1.5	5.5	4.0	3.0	2.0	1.5				
	2.3658	60.094																																			2		$11\frac{1}{2}$		
$2\frac{3}{8}$	2.375	60.325	(4)		8								12	16	4	12	16					6	8	12	16	20															
	2.479	61.697																																			$2\frac{1}{4}$			16	
$2\frac{7}{16}$	2.4375	61.912												16																											
	2.4409	62.0																												4.0	3.0	2.0	1.5		4.0	3.0	2.0	1.5				
$2\frac{1}{2}$	2.5	63.5	4	6	8				14	4		8	12	16	4	12	16	4			4	6	8	12	16	20															
	2.5197	64.0																											6.0	4.0	3.0	2.0	1.5	6.0	4.0	3.0	2.0	1.5				
	2.5591	65.0																												4.0	3.0	2.0	1.5		4.0	3.0	2.0	1.5				

HAGUE FASTENERS GUIDE TO SCREW THREAD SIZES

Major dia. of Thread in	Major dia. of Thread mm	BRITISH BSW Whitworth (TPI)	BRITISH BSF Fine (TPI)	BRITISH ADMF Admiralty (TPI)	AMERICAN ANC Coarse (Threads per inch)	AMERICAN 8AN Constant pitch (Threads per inch)	AMERICAN 12AN Constant pitch (Threads per inch)	AMERICAN 16AN Constant pitch (Threads per inch)	AMERICAN USS Constant pitch (Threads per inch)	AMERICAN SAE Regular (Threads per inch)	AMERICAN SAE Extra Fine (Threads per inch)	ISO INCH & UNIFIED UNC Coarse (Threads per inch)	ISO INCH & UNIFIED 4UN Constant pitch (Threads per inch)	ISO INCH & UNIFIED 6UN Constant pitch (Threads per inch)	ISO INCH & UNIFIED 8UN Constant pitch (Threads per inch)	ISO INCH & UNIFIED 12UN Constant pitch (Threads per inch)	ISO INCH & UNIFIED 16UN Constant pitch (Threads per inch)	ISO INCH & UNIFIED 20UN Constant pitch (Threads per inch)	SI METRIC M MA SI (Pitch in mm)	SI METRIC MB Fine (Pitch in mm)	SI METRIC MC Fine (Pitch in mm)	SI METRIC MD Fine (Pitch in mm)	SI METRIC ME Fine (Pitch in mm)	ISO METRIC M ISO Coarse (Pitch in mm)	ISO METRIC M ISO Fine (Pitch in mm)	PIPE SIZE (Bore dia.) Nominal Diameter (in)	PIPE THREADS BSP & ISO PIPE (TPI)	PIPE THREADS NPT (American) NPS (TPI)	PIPE THREADS BS Copper Pipe (TPI)
	2.587	65.71																								$2\frac{1}{4}$	11 parallel		
$2\frac{5}{8}$	2.625	66.675	(4)		8		12	16	4	12	16		4	6	8	12	16	20											
	2.6772	68																	6.0	4.0	3.0	2.0	1.5	6.0	6.0	4.0	3.0	2.0	1.5
	2.679	68.047																								$2\frac{1}{2}$		16	
$2\frac{3}{4}$	2.75	69.85	$3\frac{1}{2}$	6	8	4	8	12	16	4	12	16	4	4	6	8	12	16	20										
	2.7559	70																		4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	1.5
	2.8346	72																	6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	1.5
	2.8622	72.7																								$2\frac{1}{2}$		8	
$2\frac{7}{8}$	2.875	73.025	($3\frac{1}{2}$)		8		12	16	$3\frac{1}{2}$	12	16		4	6	8	12	16	20											
	2.929	74.397																								$2\frac{3}{4}$		16	
	2.9528	75																		4.0	3.0	2.0	1.5			4.0	3.0	2.0	1.5
	2.96	75.184																								$2\frac{1}{2}$	11		
	2.9921	76																	6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	1.5
3	3.0	76.2	$3\frac{1}{2}$	5	8	4	8	12	16	$3\frac{1}{2}$	10	16	4	4	6	8	12	16	20										
	3.0709	78																		4.0	3.0	2.0	1.5					2.0	
$3\frac{1}{8}$	3.125	79.375	($3\frac{1}{2}$)		8		12	16	$3\frac{1}{2}$	10	16		4	6	8	12	16												
	3.1496	80																	6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	1.5
	3.203	81.356																								3		16	
	3.21	81.534																								$2\frac{3}{4}$	11 parallel		
	3.2284	82																		4.0	3.0	2.0	1.5					2.0	
$3\frac{1}{4}$	3.25	82.55	$3\frac{1}{4}$	5	8	4	8	12	16	$3\frac{1}{2}$	10	16	4	4	6	8	12	16											
	3.3071	84																	6.0										
	3.3465	85																	6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
$3\frac{3}{8}$	3.375	85.725	($3\frac{1}{4}$)		8		12	16	$3\frac{1}{4}$	10	16		4	6	8	12	16												
	3.453	87.706																								$3\frac{1}{4}$		16	
	3.46	87.884																								3	11		
	3.4646	88																		4.0	3.0	2.0	1.5						
	3.4885	88.608																								3		8	
$3\frac{1}{2}$	3.5	88.9	$3\frac{1}{4}$	$4\frac{1}{2}$	8	4	8	12	16	$3\frac{1}{4}$	10	16	4	4	6	8	12	16											
	3.5039	89																	6.0										
	3.5433	90																	6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	3.622	92																		4.0	3.0	2.0	1.5						
$3\frac{5}{8}$	3.625	92.075	($3\frac{1}{4}$)		8		12	16	$3\frac{1}{4}$	10	16		4	6	8	12	16												
	3.7	93.98																								$3\frac{1}{4}$	11 taper (copper)		
	3.7008	94																	6.0										
	3.727	94.666																								$3\frac{1}{2}$		16	
	3.7402	95																	6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
$3\frac{3}{4}$	3.75	95.25	3	$4\frac{1}{2}$	8	4	8	12	16	3	10	16	4	4	6	8	12	16											
	3.8583	98																		4.0	3.0	2.0	1.5						
$3\frac{7}{8}$	3.875	98.425	(3)		8		12	16	3	10	16		4	6	8	12	16												
	3.8976	99																	6.0										
	3.937	100																	6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	3.950	100.33																								$3\frac{1}{2}$	11 taper		
	3.977	101.016																								$3\frac{3}{4}$		16	
	3.9888	101.36																								$3\frac{1}{2}$		8	
4	4.0	101.6	3	$4\frac{1}{2}$	6	4	8	12	16	3	10	16	4	4	6	8	12	16											
	4.0158	102																		4.0	3.0	2.0	1.5						
	4.0945	104																	6.0										
$4\frac{1}{8}$	4.125	104.775	(3)		6					10	16		4	6	8	12	16												
	4.1339	105																	6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	4.2	106.68																								$3\frac{3}{4}$	11 taper (copper)		

In the MA series ABOVE 80mm DIA.

HAGUE FASTENERS GUIDE TO SCREW THREAD SIZES

Major dia. of Thread in	Major dia. of Thread mm	BRITISH BSW Whitworth TPI	BRITISH BSF Fine TPI	BRITISH ADMF Admiralty TPI	AMERICAN ANC Coarse Threads per inch	AMERICAN 8AN Constant pitch Threads per inch	AMERICAN 12AN Constant pitch Threads per inch	AMERICAN 16AN Constant pitch Threads per inch	AMERICAN USS Constant pitch Threads per inch	AMERICAN SAE Regular Threads per inch	AMERICAN SAE Extra Fine Threads per inch	ISO INCH & UNIFIED UNC Coarse Threads per inch	ISO INCH & UNIFIED 4UN Constant pitch Threads per inch	ISO INCH & UNIFIED 6UN Constant pitch Threads per inch	ISO INCH & UNIFIED 8UN Constant pitch Threads per inch	ISO INCH & UNIFIED 12UN Constant pitch Threads per inch	ISO INCH & UNIFIED 16UN Constant pitch Threads per inch	ISO INCH & UNIFIED 20UN Constant pitch Threads per inch	SI METRIC M MA SI Pitch in mm	SI METRIC MB Fine Pitch in mm	SI METRIC MC Fine Pitch in mm	SI METRIC MD Fine Pitch in mm	SI METRIC ME Fine Pitch in mm	ISO METRIC M ISO Coarse Pitch in mm	ISO METRIC M ISO Fine Pitch in mm	PIPE SIZE (Bore dia.) Nominal Diameter in	PIPE THREADS BSP & ISO PIPE TPI	PIPE THREADS NPT (American) NPS TPI	PIPE THREADS BS Copper Pipe TPI
$4\frac{1}{4}$	4.25	107.95	($2\frac{7}{8}$)	4	6		8	12		2	10	16		4	6	8	12	16										4			16
	4.251	108																			6.0	4.0	3.0	2.0	1.5						
	4.2913	109																		6.0	6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	4.3307	110																													
$4\frac{3}{8}$	4.375	111.125	($2\frac{7}{8}$)		6						10	16		4	6	8	12	16				4.0	3.0	2.0	1.5						
	4.4094	112																													
	4.45	113.03																											4	11 taper	
	4.4871	113.972																											4	8	
	4.4882	114																		6.0											
$4\frac{1}{2}$	4.5	114.3	($2\frac{7}{8}$)		6		8	12		2	10	16		4	6	8	12	16			6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	4.5276	115																													
$4\frac{5}{8}$	4.625	117.475			6						10	16		4	6	8	12	16				4.0	3.0	2.0	1.5						
	4.6457	118																		6.0											
	4.685	119																			6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	4.7244	120																													
$4\frac{3}{4}$	4.75	120.65	($2\frac{3}{4}$)		6		8	12		$2\frac{5}{8}$	10	16		4	6	8	12	16				4.0	3.0	2.0	1.5						
	4.8032	122																		6.0											
$4\frac{7}{8}$	4.875	123.825			6									4	6	8	12	16			6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	4.8819	124																													
	4.9213	125																				4.0	3.0	2.0	1.5						
5	5.0	127	($2\frac{3}{4}$)		6		8	12		$3\frac{1}{2}$	10	16		4	6	8	12	16			6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	5.0394	128																													
	5.0787	129																				4.0	3.0	2.0	1.5						
	5.1181	130																		6.0											
$5\frac{1}{8}$	5.125	130.175			6						10	16		4	6	8	12	16			6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	5.1969	132																													
$5\frac{1}{4}$	5.25	133.35	($2\frac{3}{8}$)		6		8	12		$2\frac{1}{2}$	10	16		4	6	8	12	16				4.0	3.0	2.0	1.5						
	5.2756	134																		6.0											
	5.315	135																			6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
$5\frac{3}{8}$	5.375	136.525			6						10	16		4	6	8	12	16				4.0	3.0	2.0	1.5						
	5.4331	138																													
	5.45	138.43																											5	11 taper	
	5.4724	139																		6.0											
$5\frac{1}{2}$	5.5	139.7	($2\frac{5}{8}$)		6		8	12.		$2\frac{3}{8}$	10	16		4	6	8	12	16			6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	5.5118	140																													
	5.5493	140.919																											5	8	
	5.5906	142																				4.0	3.0	2.0	1.5						
$5\frac{5}{8}$	5.625	142.875												4	6	8	12	16													
	5.6693	144																		6.0											
	5.7087	145																			6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
$5\frac{3}{4}$	5.75	146.05	($2\frac{1}{2}$)		6		8	12.		$2\frac{3}{8}$	10.	16		4	6	8	12	16				4.0	3.0	2.0	1.5						
	5.8268	148																													
	5.8661	149																		6.0											
$5\frac{7}{8}$	5.875	149.225												4	6	8	12	16													
	5.9055	150																			6.0	4.0	3.0	2.0	1.5		6.0	4.0	3.0	2.0	
	5.9842	152																				4.0	3.0	2.0	1.5						
6	6.0	152.4	($2\frac{1}{2}$)		6		8	12		2	10	16		4	6	8	12	16													
	6.1024	155																			4.0	3.0	2.0	1.5			6.0	4.0	3.0		
	6.2205	158																			4.0	3.0	2.0	1.5							
	6.2992	160																			4.0	3.0	2.0	1.5			6.0	4.0	3.0		
	6.3779	162																													
	6.45	163.8																											6	11	

Steps of 4-9-4 (84, 89, 94, etc.) are used by some countries while others use steps of 5-0-5 (85, 90, 95, etc.)