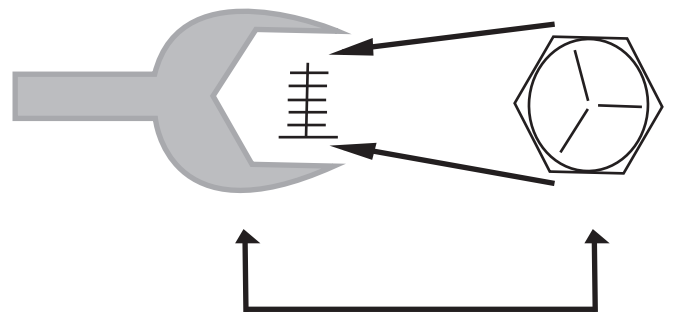


SPANNER SELECTION FOR METRIC AND IMPERIAL HEX BOLTS

METRIC				UNF/UNC			
Thread Size	Spanner Size (mm)	Spanner Opening		Thread Size (inch)	Spanner Size A/F (inch)	Spanner Opening	
		min (mm)	max (mm)			min (mm)	max (mm)
M 1.6	3.2	3.22	3.28	$\frac{1}{4}$	$\frac{7}{16}$	11.18	11.33
M 2.0	4.0	4.02	4.12	$\frac{5}{16}$	$\frac{1}{2}$	12.80	12.95
M 2.5	5.0	5.02	5.12	$\frac{3}{8}$	$\frac{9}{16}$	14.38	14.55
M 3.0	5.5	5.52	5.62	$\frac{7}{16}$	$\frac{5}{8}$	15.98	16.15
M 4.0	7.0	7.03	7.15	$\frac{1}{2}$	$\frac{3}{4}$	19.18	19.38
M 5.0	8.0	8.03	8.15	$\frac{9}{16}$	$\frac{13}{16}$	20.78	20.98
M 6.0	10.0	10.04	10.19	$\frac{5}{8}$	$\frac{15}{16}$	23.98	24.21
M 7.0	11.0	11.04	11.19	$\frac{3}{4}$	$1 \frac{1}{8}$	28.75	29.01
M 8.0	13.0	13.04	13.24	$\frac{7}{8}$	$1 \frac{5}{16}$	33.53	33.81
M 10.0	17.0	17.05	17.30	1	$1 \frac{1}{2}$	38.30	38.61
M 12.0	19.0	19.06	19.36	1 $\frac{1}{8}$	$1 \frac{11}{16}$	43.08	43.38
M 14.0	22.0	22.06	22.36	1 $\frac{1}{4}$	$1 \frac{7}{8}$	47.88	48.21
M 16.0	24.0	24.06	24.36	1 $\frac{3}{8}$	$2 \frac{1}{16}$	52.68	53.04
M 18.0	27.0	27.06	27.48	1 $\frac{1}{2}$	$2 \frac{1}{4}$	57.45	57.84
M 20.0	30.0	30.08	30.48	1 $\frac{3}{4}$	$2 \frac{5}{8}$	67.03	67.46
M 22.0	32.0	32.08	32.48	2	3	76.61	77.09
M 24.0	36.0	36.10	36.60	2 $\frac{1}{4}$	$3 \frac{3}{8}$	86.18	86.72
M 27.0	41.0	41.10	41.60	2 $\frac{1}{2}$	$3 \frac{3}{4}$	95.76	96.34
M 30.0	46.0	46.10	46.60	2 $\frac{3}{4}$	$4 \frac{1}{8}$	105.33	105.97
M 33.0	50.0	50.10	50.60	3	$4 \frac{1}{2}$	114.91	115.57
M 36.0	55.0	55.12	55.72				
M 39.0	60.0	60.12	60.72				
M 42.0	65.0	65.12	65.72				
M 45.0	70.0	70.12	70.72				
M 48.0	75.0	75.15	75.85				
M 52.0	80.0	80.15	80.85				
M 56.0	85.0	85.15	85.85				
M 60.0	90.0	90.15	90.85				
M 64.0	95.0	95.15	95.85				
M 68.0	100.0	100.15	100.85				
M 72.0	105.0	105.20	106.00				
M 76.0	110.0	110.20	111.00				
M 80.0	115.0	115.20	116.00				
M 85.0	120.0	120.20	121.00				
M 90.0	130.0	130.20	131.00				
M 95.0	135.0	135.20	136.00				
M 100.0	145.0	145.20	146.00				
M 105.0	150.0	150.25	151.25				
M 110.0	155.0	155.25	156.25				



**SPANNER SELECTION
FOR METRIC AND IMPERIAL HEX BOLTS**

