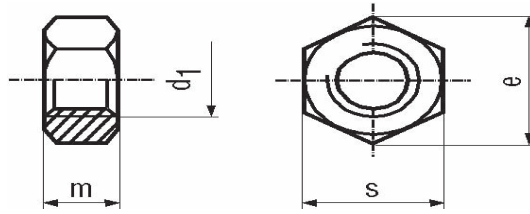


Full Hex Nuts DIN 934 / ISO 4032, Style 1 / JIS B 1181 / ANSI B 18.2.4.1M, Style 1



e = WAC (Width Across Corners)

Thread Size d1	12		14		16		(18)		20		(22)		24	
Coarse Pitch	1.75		2		2		2.5		2.5		2.5		3	
Fine Pitch	1.5		1.5		1.5		2		2		2		2	
Extra Fine Pitch	1.25						1.5		1.5		1.5		1.5	
WAF s	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal
DIN 934 (1987)	18.67	19.00	21.67	22.00	23.67	24.00	26.16	27.00	29.16	30.00	31	32	35	36
ISO 4032 (1986)	17.73	18.00	20.67	21.00	23.67	24.00	26.16	27.00	29.16	30.00	33	34	35	36
JIS 1181 (1985)	16.65	17.00												
ANSI B 18.2.4.1M (1999)	17.73	18.00	20.67	21.00	23.67	24.00			29.16	30.00			35	36

Thickness m	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal
DIN 934 (1987)	9.64	10.00	10.3	11.0	12.3	13.0	14.3	15.0	14.9	16.0	16.9	18.0	17.7	19.0
ISO 4032 (1986)	10.37	10.80	12.1	12.8	14.1	14.8	15.1	15.8	16.9	18.0	18.1	19.4	20.2	21.5
JIS 1181 (1985)	9.64	10.00												
ANSI B 18.2.4.1M (1999)	10.37	10.80	12.1	12.8	14.1	14.8			16.9	18.0			20.2	21.5

WAC e	min.		min.		min.		min.		min.		min.		min.	
DIN 934 (1987)	21.10		24.49		26.75		29.56		32.95		35.03		39.55	
ISO 4032 (1986)	20.03		23.35		26.75		29.56		32.95		37.29		39.55	
JIS 1181 (1985)	18.80													
ANSI B 18.2.4.1M (1999)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
	20.03	20.78	23.35	24.25	26.75	27.71			32.95	34.64			39.55	41.57

Thread Size d1	(27)		30		(33)		36		(39)		42		(45)	
Coarse Pitch	3		3.5		3.5		4		4		4.5		4.5	
Fine Pitch	2		2		2		3		3		3		3	
WAF s	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal
DIN 934 (1987)	40	41	45	46	49	50	53.8	55.0	58.8	60.0	63.1	65.0	68.1	70.0
ISO 4032 (1986)	40	41	45	46	49	50	53.8	55.0	58.8	60.0	63.1	65.0	68.1	70.0
ANSI B 18.2.4.1M (1999)			45	46			53.8	55						

Thickness m	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal
DIN 934 (1987)	20.7	22.0	22.7	24.0	24.7	26.0	27.4	29.0	29.4	31.0	32.4	34.0	34.4	36.0
ISO 4032 (1986)	22.5	23.8	24.3	25.6	27.4	28.7	29.4	31.0	31.8	33.4	32.4	34.0	34.4	36.0
ANSI B 18.2.4.1M (1999)			24.3	25.6			29.4	31.0						

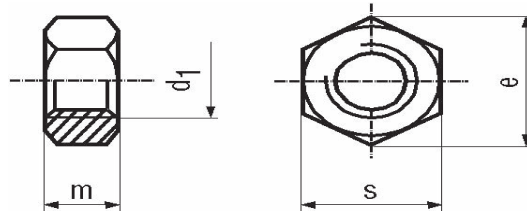
WAC e	min.		min.		min.		min.		min.		min.		min.	
DIN 934 (1987)	45.2		50.85		55.37		60.79		66.44		71.3		76.95	
ISO 4032 (1986)	45.2		50.85		55.37		60.79		66.44		71.3		76.95	
ANSI B 18.2.4.1M (1999)	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
			50.85	53.12			60.79	63.51						

For More Detailed Information, Please Refer To Complete DIN, ISO, JIS, or ANSI Standard, Which Are The Governing Standards.

DIN 934 (1987) / ISO 4032 Style 1 (1986) / JIS B 1181 (1985) / ANSI B 18.2.4.1M Style 1 (1999) - LGF 01/01/09 Revised

See Next Page For Additional Information

Full Hex Nuts DIN 934 / ISO 4032, Style 1 / JIS B 1181 / ANSI B 18.2.4.1M, Style 1



e = WAC (Width Across Corners)

Thread Size d1	48		(52)		56		(60)		64		(68)		72	
Coarse Pitch	5		5		5.5		5.5		6		6		6	
Fine Pitch	3		3		4		4		4		4		4	
WAF s	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal
DIN 934 (1987)	73.1	75.0	78.1	80.0	82.8	85.0	87.8	90.0	92.8	95.0	97.8	100.0	102.8	105.0
ISO 4032 (1986)	73.1	75.0	78.1	80.0	82.8	85.0	87.8	90.0	92.8	95.0				

Thickness m	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal
DIN 934 (1987)	36.4	38.0	40.4	42.0	43.4	45.0	46.4	48.0	49.1	51.0	52.1	54.0	56.1	58.0
ISO 4032 (1986)	36.4	38.0	40.4	42.0	43.4	45.0	46.4	48.0	49.1	51.0				

WAC e	min.	min.	min.	min.	min.	min.	min.
DIN 934 (1987)	82.6	88.25	93.56	99.21	104.86	110.51	116.16
ISO 4032 (1986)	82.6	88.25	93.56	99.21	104.86		

Thread Size d1	(76)		80		90		100		*****Notice*****					
Coarse Pitch	6		6		6		6		JIS 1181 Hex Nuts Only Available In Property Class 8, And In Sizes M8x1.25, M10x1.25, And M12x1.25, Except On Special Order.					
Fine Pitch	4		4		4		4							
WAF s	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal						
DIN 934 (1987)	107.8	110.0	112.8	115.0	127.5	130.0	142.5	145.0						
Thickness m	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	min.	max.= nominal	The Strength Class Of The Nut Should Always Be Equal Or Greater Than The Strength Class Of The Screw					
DIN 934 (1987)	59.1	61.0	62.1	64.0	70.1	72.0	78.1	80.0	*****Notice*****					
WAC e	min.	min.	min.	min.	min.	min.	min.	min.	Diameters with () & Fine Pitch Should Not Be Use For New Design.					
DIN 934 (1987)	121.81	127.46	144.08	161.02										

Material	Steel - Property Class							
Proof Load (psi)	6		8		10		12	
up to M4	87000		116000		150800		166750	
M4 to M7	97150		117450		150800		166750	
M7 TO M10	98600		120350		150800		168200	
M10 TO M16	101500		121800		152250		172550	
M16 TO M39	104400		133400		153700		174000	
M39 TO M100	-		-		-		-	
Vickers Hardness HV	min.	max.	min.	max.	min.	max.	min.	max.
up to M4	150	302	170	302	272	353	295	353
M4 to M7								
M7 TO M10			188					
M10 TO M16			233					
M16 TO M39	170	207	353					
M39 TO M100	142							
Finish	Plain or Plated							
Thread Tolerance	6H Plain or Plated							

		Stainless Steel A2 & A4	
Proof Load (psi)	Property Class 50	72500	
	Property Class 70	101500	
	Property Class 80	116000	
Hardness is not a measurable attribute of Stainless Steel			
Finish	Plain		
Thread Tolerance	6H		

		Brass	
Proof Load (psi)	Ms58	53650-65250	
	Ms63	55100-69600	
Finish	Plain or Nickel Plated		
Thread Tolerance	6H		

For More Detailed Information, Please Refer To Complete DIN, ISO, JIS, or ANSI Standard, Which Are The Governing Standards.