


Hexagon nuts – Summary
Tuercas hexagonales - Vista general

Stock range of hexagon nuts
Surtido de almacén

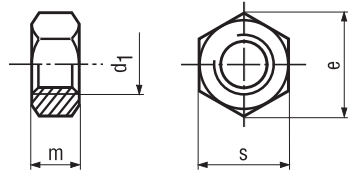
Hexagon nuts with nominal height $\sim 0,8 d$ / Tuercas hexagonales, altura $\sim 0,8 d$

Type of thread Tipo de rosca	Property class / Material Cl. de resistencia / Material	Standard Norma	BN	Finish Superficie	Stock range Surtido de almacén	Page Página de catálogo
 <p>Metric thread Rosca métrica</p>	5-2	ISO 4032	10529	zinc plated yellow / cincado pasivado amarillo	M10-M33	3.004
	6	DIN 934	108	plain / bruto	M2-M2,5	3.004
			109	zinc plated blue / cincado pasivado azul	M1-M2,6	3.004
			110	zinc plated yellow / cincado pasivado amarillo	M2-M2,5	3.004
	8	ISO 4032	1984	plain / bruto	M5-M14	3.005
			1983	zinc plated blue / cincado pasivado azul	M5-M24	3.005
		DIN 934	115	plain / bruto	M3-M20	3.006
			116	black oxidized/ ennegrecido	M3-M18	3.006
			117	zinc plated blue / cincado pasivado azul	M3-36	3.007
			118	zinc plated yellow / cincado pasivado amarillo	M3-M24	3.007
			119	hot-dip galv. / cingado en caliente	M6-M30	3.007
	311	black / negro	M16-M64	3.008		
	10	DIN 934	121	black / negro	M5-M36	3.009
	12	DIN 934	122	black / negro	M8-M24	3.009
	A2	DIN 934	628		M1-M42	CG / GC 11
		ISO 4032	5713		M6-M39	CG / GC 11
	A4	DIN 934	629		M1,6-M39	CG / GC 11
		ISO 4032	2586		M6-M39	CG / GC 11
	Brass / latón	DIN 934	504	plain / bruto	M1-M24	CG / GC 12
			505	nickel plated/ niquelado	M1-M20	CG / GC 12
Aluminum / Aluminio	DIN 934	599		M3-M16	CG / GC 12	
Plastic Plástico	DIN 555	81		M3-M20	CG / GC 13	
Fine thread metric Rosca métrica fina	6	DIN 934	135	zinc plated blue / cincado pasivado azul	M3x0,35-M6x0,75	3.010
	8		137	zinc plated blue / cincado pasivado azul	M8x1-M48x3	3.010
	A4		4876		M8x1-M20x1,5	CG / GC 11
Lefthand metric thread Rosca métrica a la izquierda	8	DIN 934	139	zinc plated blue / cincado pasivado azul	M4L-M30L	3.011
	A2		1683		M3L-M20L	CG / GC 11
UNC	8	~DIN 934	140	zinc plated blue / cincado pasivado azul	1/4"-1 3/4"	3.012
	A4		632		1/4"-1"	CG / GC 11
UNF	8		142	zinc plated blue / cincado pasivado azul	1/4"-1"	3.012
Ww	8		245	plain / bruto	1/8"-1 1/2"	3.013
Pipe thread Rosca para tubos	6		144	zinc plated blue / cincado pasivado azul	1/8"-1"	3.011

Hexagon nuts type 1

Tuercas hexagonales tipo 1

外六角螺母



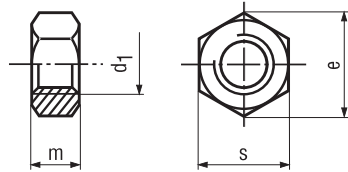
d ₁	e min.	s	m max.	d ₁	e min.	s	m max.
M10	17,77	16	8,4	M24	39,55	36	21,5
M12	20,03	18	10,8	(M27)	45,2	41	23,8
M16	26,75	24	14,8	M30	50,85	46	25,6
M20	32,95	30	18	(M33)	55,37	50	28,7

BN 10529								
d ₁	■ / ●	☐	d ₁	■ / ●	☐	d ₁	■ / ●	☐
M10	●	100	M20	●	100	M30	●	25
M12	●	100	M24	●	50	(M33)	●	10
M16	●	100	(M27)	●	25			

Hexagon nuts ~0,8d

Tuercas hexagonales ~0,8d

外六角螺母标称高度 ~0,8d



d ₁	e min.	s	m max.	d ₁	e min.	s	m max.	d ₁	e min.	s	m max.
M1	2,71	2,5	0,8	(M1,7)	3,82	3,5	1,4	(M2,3)	4,88	4,5	1,8
M1,2	3,28	3	1	M1,8¹⁾	4	3,5	1,4	M2,5	5,45	5	2
M1,4	3,28	3	1,2	M2	4,32	4	1,6	(M2,6)	5,45	5	2
M1,6	3,41	3,2	1,3	M2,2¹⁾	5,2	4,5	1,8				

1) Not included in DIN 934 / No incluido en la norma DIN 934

BN 108			BN 109			BN 110		
d ₁	■ / ●	☐	d ₁	■ / ●	☐	d ₁	■ / ●	☐
M2	●	200	M1	●	100	M2	●	200
M2,5	●	200	M1,2	●	100	M2,5	●	200
			M1,4	●	100			
			M1,6	●	100			
			(M1,7)	●	100			
			M1,8	●	100			
			M2	●	200			
			M2,2	●	200			
			(M2,3)	●	200			
			M2,5	●	200			
			(M2,6)	●	200			

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ISO 4032	5-2
~DIN 934	
Steel 5-2 Acero 5-2	
<ul style="list-style-type: none"> ■ zinc plated yellow ■ cincado pasivado amarillo 	



For mating hexagon head screws property class 5.6 (annealed):
CG 2, BN 11491 / BN 1526

Para emparejar con tornillos hexagonales 5.6, (recocido): GC 2, BN 11491 / BN 1526

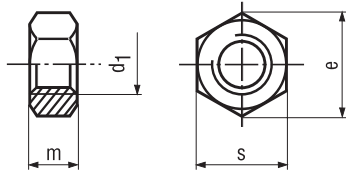
DIN 934	6
Steel 6 Acero 6	
<ul style="list-style-type: none"> ■ plain / bruto ■ zinc plated blue / cincado pasivado azul ■ zinc plated yellow ■ cincado pasivado amarillo 	

DIN 934: Standard withdrawn
Estándar descatálogo

Hexagon nuts type 1

Tuercas hexagonales tipo 1

外六角螺母 1型



d ₁	e min.	s	m max.	d ₁	e min.	s	m max.
M5	8,79	8	4,7	(M14)	23,35	21	12,8
M6	11,05	10	5,2	M16	26,75	24	14,8
M8	14,38	13	6,8	M20	32,95	30	18
M10	17,77	16	8,4	M24	39,55	36	21,5
M12	20,03	18	10,8				



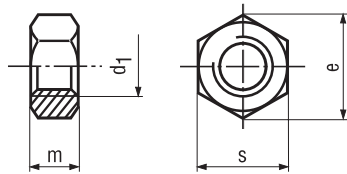
For additional sizes, property classes and surfaces: Supply on request.

Para otras dimensiones, clases de resistencia y acabados: posibilidad de entrega bajo demanda.

BN 1984			BN 1983		
d ₁	■ / ❶	❷	d ₁	■ / ❶	❷
M5	●	200	M5	●	200
M6	●	100	M6	●	100
M8	●	100	M8	●	100
M10	●	100	M10	●	100
M12	●	100	M12	●	100
(M14)	●	100	(M14)	●	100
			M16	●	100
			M20	●	100
			M24	●	50

ISO 4032	8
~DIN 934	
Steel 8 Acero 8	
■ plain / bruto ■ zinc plated blue / cincado pasivado azul	

Hexagon nuts ~0,8d
Tuercas hexagonales ~0,8d
外六角螺母 ~0,8d



DIN 934	8
~ISO 4032	
Steel 8 Acero 8	
<ul style="list-style-type: none"> ■ plain / bruto ■ black-oxidized / ennegrecido (óxido-negro) 	

DIN 934: Standard withdrawn
 Estándar descatalogado

d ₁	e min.	s	m max.	d ₁	e min.	s	m max.	d ₁	e min.	s	m max.
M3	6,01	5,5	2,4	(M7)	12,12	11	5,5	M16	26,75	24	13
(M3,5)	6,58	6	2,8	M8	14,38	13	6,5	(M18)	29,56	27	15
M4	7,66	7	3,2	M10	18,9	17/16*	8	M20	32,95	30	16
M5	8,79	8	4	M12	21,1	19/18*	10				
M6	11,05	10	5	(M14)	24,49	22/21*	11				

* Wrench size according to ISO on request
 Anchos de llave conforme a ISO bajo demanda



For zinc plated nuts: see BN 117, BN 118 and BN 119
 For heat-treated and black-oxidized nuts: see BN 311

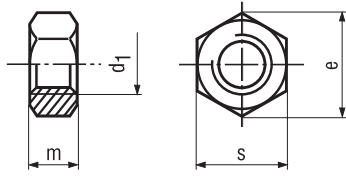
Con protección anticorrosiva: BN 117, BN 118 y BN 119
 Modelo bonificado negro: BN 311

BN 115			BN 116		
d ₁	■ / ♀	☐	d ₁	■ / ♀	☐
M3	●	200	M3	●	200
(M3,5)	●	200	M4	●	200
M4	●	200	M5	●	200
M5	●	200	M6	●	100
M6	●	100	M8	●	100
(M7)	●	100	M10	●	100
M8	●	100	M12	●	100
M10	●	100	(M14)	●	100
M12	●	100	M16	●	100
(M14)	●	100	(M18)	●	100
M16	●	100			
(M18)	●	100			
M20	●	100			

Hexagon nuts ~0,8d

Tuercas hexagonales ~0,8d

外六角螺母 ~0,8d



DIN 934	8
~ISO 4032	
Steel 8 Acero 8	
<ul style="list-style-type: none"> ■ zinc plated blue / cincado pasivado azul ■ zinc plated yellow cincado pasivado amarillo ■ hot-dip galvanized / galvanizado en caliente 	

DIN 934: Standard withdrawn
Estándar descatálogo

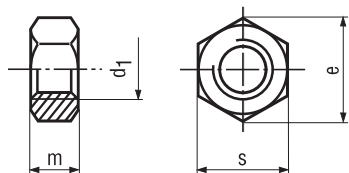
d1	e min.	s	m max.	d1	e min.	s	m max.	d1	e min.	s	m max.
M3	6,01	5,5	2,4	M10	18,9	17/16*	8	M24	39,55	36	19
(M3,5)	6,58	6	2,8	M12	21,1	19/18*	10	(M27)	45,2	41	22
M4	7,66	7	3,2	(M14)	24,49	22/21*	11	M30	50,85	46	24
M5	8,79	8	4	M16	26,75	24	13	(M33)	55,37	50	26
M6	11,05	10	5	(M18)	29,56	27	15	M36	60,79	55	29
(M7)	12,12	11	5,5	M20	32,95	30	16				
M8	14,38	13	6,5	(M22)	35,03	32/34*	18				

* Wrench size according to ISO on request
Anchos de llave conforme a ISO bajo demanda

BN 117		■	
d1	■ / □	□	■
M3	●	100	●
(M3,5)	●	100	●
M4	●	100	●
M5	●	100	●
M6	●	100	●
(M7)	●	100	●
M8	●	100	●
M10	●	100	●
M12	●	100	●
(M14)	●	50	●
M16	●	50	●
(M18)	●	50	●
M20	●	50	●
(M22)	●	50	●
M24	●	50	●
(M27)	●	25	●
M30	●	25	●
(M33)	●	10	●
M36	●	10	●

BN 118		■		BN 119		■	
d1	■ / □	□	■	d1	■ / □	□	■
M3	●	200	●	M6	●	100	●
M4	●	200	●	M8	●	100	●
M5	●	200	●	M10	●	100	●
M6	●	100	●	M12	●	100	●
M8	●	100	●	M16	●	100	●
M10	●	100	●	M20	●	100	●
M12	●	100	●	M24	●	50	●
M16	●	100	●	M30	●	25	●
M20	●	100	●				
M24	●	50	●				

Hexagon nuts ~0,8d
Tuercas hexagonales ~0,8d
外六角螺母 ~0,8d



DIN 934	8
~ISO 4032	
Steel 8 heat-treated Acero 8 templada y revenida	
■ black / negro	

DIN 934: Standard withdrawn
Estándar descatalogado

d ₁	e min.	s	m max.	Hardness / dureza Vickers HV		d ₁	e min.	s	m max.	Hardness / dureza Vickers HV	
				min.	max.					min.	max.
M16	26,75	24	13	188	302	(M39)	66,44	60	31	233	353
M20	32,95	30	16	233	353	M42	72,1	65	34	207	353
(M22)	35,03	32 / 34*	18	233	353	(M45)	76,95	70	36	207	353
M24	39,55	36	19	233	353	M48	82,6	75	38	207	353
(M27)	45,2	41	22	233	353	(M52)	88,25	80	42	207	353
M30	50,85	46	24	233	353	M56	93,56	85	45	207	353
(M33)	55,37	50	26	233	353	(M60)	99,21	90	48	207	353
M36	60,79	55	29	233	353	M64	104,86	95	51	207	353

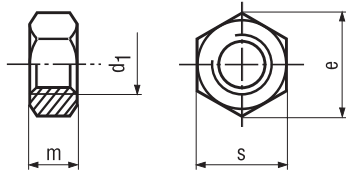
* Wrench size according to ISO on request
Anchos de llave conforme a ISO bajo demanda

BN 311			■		
d ₁	☐ / ☒	☒	d ₁	☐ / ☒	☒
M16	●	100	(M39)	●	1
M20	●	100	M42	●	1
(M22)	●	50	(M45)	●	1
M24	●	50	M48	●	1
(M27)	●	25	(M52)	●	1
M30	●	25	M56	●	1
(M33)	●	10	(M60)	●	1
M36	●	10	M64	●	1

Hexagon nuts ~0,8d

Tuercas hexagonales ~0,8d

外六角螺母 ~0,8d



DIN 934	10
~ISO 4032	
Steel 10 Acero 10	
■ black / negro	

DIN 934: Standard withdrawn
Estándar descatálogo

d ₁	e min.	s	m max.	d ₁	e min.	s	m max.	d ₁	e min.	s	m max.
M5	8,79	8	4	(M14)	24,49	22/21*	11	M24	39,55	36	19
M6	11,05	10	5	M16	26,75	24	13	(M27)	45,2	41	22
M8	14,38	13	6,5	(M18)	29,56	27	15	M30	50,85	46	24
M10	18,9	17/16*	8	M20	32,95	30	16	(M33)	55,37	50	26
M12	21,1	19/18*	10	(M22)	35,03	32/34*	18	M36	60,79	55	29

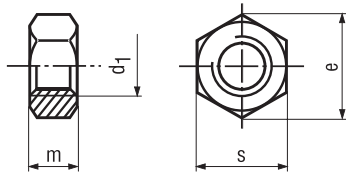
* Wrench size according to ISO on request
Anchos de llave conforme a ISO bajo demanda

BN 121			■			■		
d ₁	■ / ■	■	d ₁	■ / ■	■	d ₁	■ / ■	■
M5	●	100	(M14)	●	100	M24	●	50
M6	●	100	M16	●	100	(M27)	●	25
M8	●	100	(M18)	●	100	M30	●	25
M10	●	100	M20	●	100	(M33)	●	10
M12	●	100	(M22)	●	50	M36	●	10

Hexagon nuts ~0,8d

Tuercas hexagonales ~0,8d

外六角螺母 ~0,8d



DIN 934	12
~ISO 4032	
Steel 12 Acero 12	
■ black / negro	

DIN 934: Standard withdrawn
Estándar descatálogo

d ₁	e min.	s	m max.	d ₁	e min.	s	m max.	d ₁	e min.	s	m max.
M8	14,38	13	6,5	M12	21,1	19/18*	10	M20	32,95	30	16
M10	18,9	17/16*	8	M16	26,75	24	13	M24	39,55	36	19

* Wrench size according to ISO on request
Anchos de llave conforme a ISO bajo demanda

BN 122			■			■		
d ₁	■ / ■	■	d ₁	■ / ■	■	d ₁	■ / ■	■
M8	●	100	M12	●	100	M20	●	100
M10	●	100	M16	●	100	M24	●	50

Hexagon nuts ~0,8d

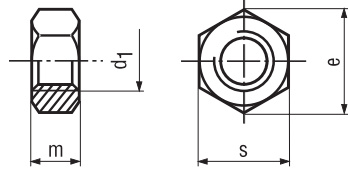
metric fine thread

Tuercas hexagonales ~0,8d

rosca métrica con paso fino

外六角螺母 ~0,8d

公制细螺纹



d ₁	e min.	s	m max.	d ₁	e min.	s	m max.
M3x0,35	6,01	5,5	2,4	M5x0,5	8,79	8	4
M4x0,5	7,66	7	3,2	M6x0,75	11,05	10	5

BN 135		■			
d ₁	⊘ / ⚙	⊞	d ₁	⊘ / ⚙	⊞
M3x0,35	●	100	M5x0,5	●	100
M4x0,5	●	100	M6x0,75	●	100

Hexagon nuts ~0,8d

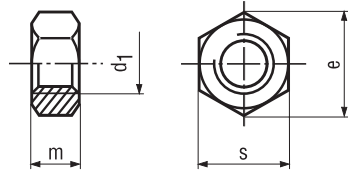
metric fine thread

Tuercas hexagonales ~0,8d

rosca métrica con paso fino

外六角螺母 ~0,8d

公制细螺纹



d ₁	e min.	s	m max.	d ₁	e min.	s	m max.
M8x1	14,38	13	6,5	M20x1,5	32,95	30	16
M10x1	18,9	17/16*	8	(M22x1,5)	35,03	32/34*	18
M10x1,25	18,9	17/16*	8	M24x2	39,55	36	19
M12x1	21,1	19/18*	10	(M27x2)	45,2	41	22
M12x1,25	21,1	19/18*	10	M30x2	50,85	46	24
M12x1,5	21,1	19/18*	10	M36x3	60,79	55	29
(M14x1,5)	24,49	22/21*	11	M42x3	71,3	65	34
M16x1,5	26,75	24	13	M48x3	82,6	75	38
(M18x1,5)	29,56	27	15				

BN 137		■			
d ₁	⊘ / ⚙	⊞	d ₁	⊘ / ⚙	⊞
M8x1	●	100	M20x1,5	●	100
M10x1	●	100	(M22x1,5)	●	50
M10x1,25	●	100	M24x2	●	50
M12x1	●	100	(M27x2)	●	25
M12x1,25	●	100	M30x2	●	25
M12x1,5	●	100	M36x3	●	10
(M14x1,5)	●	100	M42x3	●	1
M16x1,5	●	100	M48x3	●	1
(M18x1,5)	●	100			

DIN 934	6
~ISO 8673	
Steel 6 Acero 6	
■ zinc plated blue / cincado pasivado azul	

DIN 934	8
~ISO 8673	
Steel 8 Acero 8	
■ zinc plated blue / cincado pasivado azul	

DIN 934: Standard withdrawn
Estándar descatálogo

* Wrench size according to ISO on request

* Anchos de llave conforme a ISO bajo demanda

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Hexagon nuts ~0,8d

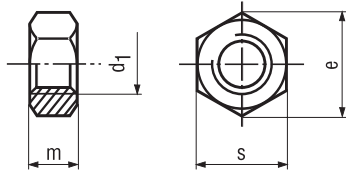
left hand thread

Tuercas hexagonales ~0,8d

con rosca a izquierdas

外六角螺母公制细螺纹~0,8d

左旋螺纹



d ₁	e min.	s	m max.	d ₁	e min.	s	m max.	d ₁	e min.	s	m max.
M4 L	7,66	7	3,2	M12 L	21,1	19/18*	10	M22 L	35,03	32/34*	18
M5 L	8,79	8	4	M14 L	24,49	22/21*	11	M24 L	39,55	36	19
M6 L	11,05	10	5	M16 L	26,75	24	13	M30 L	50,85	46	24
M8 L	14,38	13	6,5	M18 L	29,56	27	15				
M10 L	18,9	17/16*	8	M20 L	32,95	30	16				

* Wrench size according to ISO on request
Anchos de llave conforme a ISO bajo demanda

BN 139			■		
d ₁	■ / ■	☐	d ₁	■ / ■	☐
M4L	●	100	M12L	●	100
M5L	●	100	M14L	●	100
M6L	●	100	M16L	●	100
M8L	●	100	M18L	●	100
M10L	●	100	M20L	●	100
			M22L	●	50
			M24L	●	50
			M30L	●	25

Hexagon nuts ~0,8d

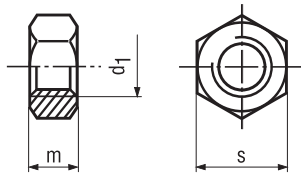
pipe thread

Tuercas hexagonales ~0,8d

rosca para tubería de gas

外六角螺母公制细螺纹~0,8d

管螺纹



d ₁	s	m	d ₁	s	m	d ₁	s	m	d ₁	s	m
G 1/8"	17	10	G 3/8"	27	16	G 5/8"	36	23	G 7/8"	46	29
G 1/4"	22	13	G 1/2"	32	19	G 3/4"	41	26	G 1"	50	32

BN 144			■		
d ₁	■ / ■	☐	d ₁	■ / ■	☐
G 1/8"	●	100	G 5/8"	●	1
G 1/4"	●	100	G 3/4"	●	1
G 3/8"	●	50	G 7/8"	●	1
G 1/2"	●	25	G 1"	●	1

DIN 934	8
~ISO 4032	
Steel 8 Acero 8	
■ zinc plated blue / cincado pasivado azul	

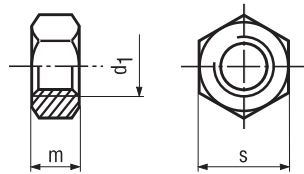
DIN 934: Standard withdrawn
Estándar descatálogo

~DIN 934	6
~ISO 4033	
Steel 6 Acero 6	
■ zinc plated blue / cincado pasivado azul	

BOSSARD

www.bossard.com

Hexagon nuts ~0,8d UNC thread
Tuercas hexagonales ~0,8d rosca UNC
 外美式粗螺纹外六角螺母 ~0,8d

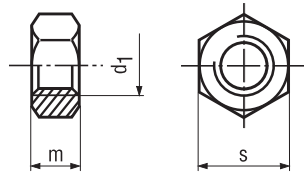


UNC	8
~DIN 934	
Steel 8 Acero 8	
■ zinc plated blue / cincado pasivado azul	

d ₁ UNC	s	s mm	m	d ₁ UNC	s	s mm	m	d ₁ UNC	s	s mm	m
1/4"	7/16"	11,1	5,6	9/16"	7/8"	22,2	12,3	1 1/8"	1 11/16"	42,9	25,6
5/16"	1/2"	12,7	6,7	5/8"	15/16"	23,8	13,9	1 1/4"	1 7/8"	47,6	27
3/8"	9/16"	14,3	8,3	3/4"	1 1/8"	28,6	16,3	1 3/8"	1 11/16"	51,6	30,7
7/16"	11/16"	17,5	9,5	7/8"	1 5/16"	33,3	19,1	1 1/2"	1 1/4"	57,2	33,5
1/2"	3/4"	19	11,1	1"	1 1/2"	38,1	21,8	1 3/4"	2 5/8"	66,7	38,1

BN 140			■			■		
d ₁	■ / ■	■	d ₁	■ / ■	■	d ₁	■ / ■	■
1/4"	●	100	9/16"	●	100	1 1/8"	●	1
5/16"	●	100	5/8"	●	100	1 1/4"	●	1
3/8"	●	100	3/4"	●	50	1 3/8"	●	1
7/16"	●	100	7/8"	●	50	1 1/2"	●	1
1/2"	●	100	1"	●	50	1 3/4"	●	1

Hexagon nuts ~0,8d UNF thread
Tuercas hexagonales ~0,8d rosca UNF
 外美式细螺纹外六角螺母 ~0,8d



UNF	8
~DIN 934	
Steel 8 Acero 8	
■ zinc plated blue / cincado pasivado azul	

d ₁ UNF	s	s mm	m	d ₁ UNF	s	s mm	m	d ₁ UNF	s	s mm	m
1/4"	7/16"	11,1	5,6	1/2"	3/4"	19	11,1	7/8"	15/16"	33,3	19,1
5/16"	1/2"	12,7	6,7	9/16"	7/8"	22,2	12,3	1"	1 1/2"	38,1	21,8
3/8"	9/16"	14,3	8,3	5/8"	15/16"	23,8	13,9				
7/16"	11/16"	17,5	9,5	3/4"	1 1/8"	28,6	16,3				

BN 142			■			■		
d ₁	■ / ■	■	d ₁	■ / ■	■	d ₁	■ / ■	■
1/4"	●	100	1/2"	●	100	7/8"	●	50
5/16"	●	100	9/16"	●	100	1"	●	50
3/8"	●	100	5/8"	●	100			
7/16"	●	100	3/4"	●	50			

Hexagon nuts ~0,8d

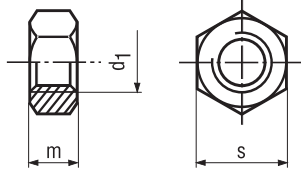
Whitworth thread

Tuercas hexagonales ~0,8d

con rosca Whitworth

外六角螺母 ~0,8d

惠氏螺纹



Ww	8
~DIN 934	
Steel 8 Acero 8	
■ plain / black bruto / negro	

plain / black: at manufacturer's option
bruto / negro: dependiendo del fabricante

d_1 Ww	s	m	d_1 Ww	s	m	d_1 Ww	s	m	d_1 Ww	s	m
1/8"	6	2,4	5/16"	14	6,5	5/8"	27	13	1 1/4"	50	25
3/16"	9	4	3/8"	17	8	3/4"	32	16	1 1/2"	60	30
1/4"	11	5,5	1/2"	22	10	1"	41	20			

BN 245			■					
d_1	■ / ■	■	d_1	■ / ■	■	d_1	■ / ■	■
1/8"	●	100	3/8"	●	100	1"	●	50
3/16"	●	100	1/2"	●	100	1 1/4"	●	1
1/4"	●	100	5/8"	●	100	1 1/2"	●	1
5/16"	●	100	3/4"	●	50			