

bright washers

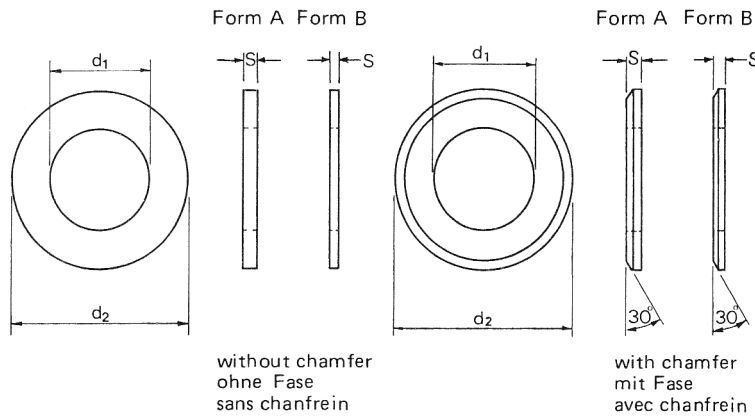
normal diameter
for ISO Metric fasteners

Blanke Unterlegscheiben. Normaldurchmesser.
Type für metrische ISO - Befestigungselemente.
Rondelles fini brillant. Diamètre normal.
Modèle moyen pour visserie métrique ISO.

BS 4320 table 1 forms A & B

Form A. Equivalent to DIN 125.
Form A entspricht DIN 125.
Form A est l'équivalent de DIN 125.

Dimensions in mm.
Maße in mm.
Dimensions en millimètres



Sizes marked * are non-preferred.
Tolerances according to DIN 522

Mit * bezeichnete Größen sind Sondergrößen
Toleranzen nach DIN 522

Grandeurs indiquées * non-prioritaires.
Tolérances selon DIN 522

Nominal size of bolt or screw	d ₁	d ₂	FORM A		FORM B	
			S	Weight in steel kg/1000 pieces	S	Weight in steel kg/1000 pieces
M1.0	1.1	2.5	0.3	0.009	—	—
M1.2	1.3	3.0	0.3	0.013	—	—
M1.4*	1.5	3.0	0.3	0.012	—	—
M1.6	1.7	4.0	0.3	0.024	—	—
M2.0	2.2	5.0	0.3	0.037	—	—
M2.2*	2.4	5.0	0.5	0.061	—	—
M2.5	2.7	6.5	0.5	0.108	—	—
M3	3.2	7	0.5	0.120	—	—
M3.5*	3.7	7	0.5	0.106	—	—
M4	4.3	9	0.8	0.308	—	—
M4.5*	4.8	9	0.8	0.285	—	—
M5	5.3	10	1.0	0.443	—	—
M6	6.4	12.5	1.6	1.14	0.8	0.567
M7*	7.4	14	1.6	1.39	0.8	0.696
M8	8.4	17	1.6	2.14	1.0	1.33
M10	10.5	21	2.0	4.08	1.25	2.54
M12	13.0	24	2.5	6.27	1.6	4.01
M14*	15.0	28	2.5	8.60	1.6	5.51
M16	17.0	30	3.0	11.3	2.0	7.55
M18*	19.0	34	3.0	14.7	2.0	9.81
M20	21	37	3.0	17.2	2.0	11.5
M22*	23	39	3.0	18.4	2.0	12.3
M24	25	44	4.0	32.3	2.5	20.1
M27*	28	50	4.0	42.3	2.5	26.3
M30	31	56	4.0	53.6	2.5	33.4
M33*	34	60	5.0	75.4	3.0	45.1
M36	37	66	5.0	92.0	3.0	55.1

Materials: Hard bright cold rolled mild steel
Hard bright brass
or to buyer's requirements.

Finishes: Self finish, Electro Zinc, Cadmium,
Nickel or to buyer's requirements.

Werkstoffe: Gehärteter, blanker, kaltewaltzer
Flußstahl. Gehärtetes
Blankmessing, oder nach
Kundenanforderung.

Ausführung: Ohne Oberflächenbehandlung,
galvanisch verzinkt, kadmiert,
vernickelt oder nach
Kundenanforderungen.

Matières: Acier doux laminé à froid
brillant corroyé, laiton dur
brillant ou selon exigences
Client.

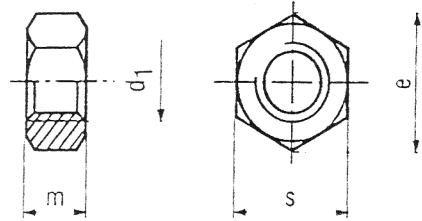
Finition: Uni, traitement galvanique, Zn,
Cd, Ni, ou selon exigences Client.

Ecrous hexagonaux ~0,8d

Hex nuts nominal height ~0,8d

DIN 934¹⁾

cl. 6



BN 108		brute/plain
BN 109		zinguées/zinc plated
BN 110		zinguées-jaunes/ zinc yellow dichromate

Paquets / Packages

IP paquets industriels / industry packages

Matière: acier
Material: steel

Classe de produit: A (moyenne)
Product grade: A (medium)

Classe de résistance: 6
Property class: 6

d_1		e min.	s	m max.
M	1	2.71	2.5	0.8
	1,2	3.28	3	1
	(1,4)	3.28	3	1.2
	1,6	3.41	3.2	1.3
	(1,7)	3.82	3.5	1.4
	(1,8)	4	3.5	1.4
	2	4.32	4	1.6
	(2,2)	5.2	4.5	1.8
	(2,3)	4.88	4.5	1.8
	2,5	5.45	5	2
	(2,6)	5.45	5	2

BN 108		BN 109		BN 110	
		●	●		
		●	●		
		●	●		
		●	●		
		●	●		
●	●	●	●	●	●
		●	●		
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●	●	●	●	●	●
100	IP	100	IP	100	IP

¹⁾ Norme abrogée et remplacée dans le cadre de la normalisation européenne par la norme ISO correspondante.
Standard withdrawn and replaced under European standardization by the corresponding ISO standard.

● livrable du stock / available from stock