



Continued on page 2

Table 1

Nomi-	Fe	or	/ min. =	d 1		a			, в		e')		h		r	t	z	Mass
nal size²)	thread size		nomi- nal size	max.	Nomi- nal size	min.	max.	Nomi- nal size	min.	max.		Nomi- nal size	min.	max.	~	~		(7,85 kg/dm <sup>3</sup> ), in kg per 1000 units
9	м	8	9	9,36	22	20	24	22	21,35	22,65	3,05	4,6	3,6	5,6	1,2	0,5	1,68	10,1
11	м	10	11	11,43	22	20	24	22	21,35	22,65	3,05	4,6	3,6	5,6	1,2	0,5	1,68	9,4
14	м	12	14	14,43	26	24	28	30	29,35	30,65	4,1	6,2	5	7,4	1,6	0,7	1,68	20,1
18	м	16	18	18,43	32	29,5	34,5	36	35,20	36,80	5	7,5	6,3	8,7	2	0,8	2	35,6
22	м :	20	22	22,52	40	37,5	42,5	44	43,20	44,80	6,1	9,2	8	10,4	2,4	0,9	2	67
24	м :	22	24	24,52	44	41,5	46,5	50	49,20	50,80	6,5	10	8,8	11,2	2,4	1	2	90
26	м :	24	26	26,52	56	53	59	56	55,05	56,95	6,9	10,8	9,3	12,3	2,4	1	3,8	143
30	м :	27	30	30,52	56	53	59	56	55,05	56,95	6,9	10,8	9,3	12,3	2,4	1	3,8	133

#### Technical delivery conditions 3

#### 3.1 Material

Washers shall be in steel, the steel grade being at the manufacturer's discretion. The hardness shall be 100 to 250 HV 10.

#### 3.2 Surface finish

Washers shall have a bright surface finish, be free from burr, and be hot-dip galvanized as specified in DIN 267 Part 10. DIN 267 Part 9 shall apply with regard to electroplating.

### 3.3 Acceptance inspection

Acceptance inspection shall be undertaken on the lines of DIN 267 Part 5. The specifications given in table 2 shall apply for the major characteristics and the acceptable quality level (AQL).

#### Table 2.

Major characteristic	AQL value				
Hole diameter	1,5				
Concentricity	1,5 1,5				
Taper angle					

#### Designation ~ 4

Designation of a nominal size 14 washer for use with I sections:

## Washer DIN 435 - 14

### Standards referred to

DIN 267 Part 5	Fasteners; technical delivery conditions; acceptance inspection
DIN 267 Part 9	Fasteners; technical delivery conditions; electroplated fasteners
	Fasteners; technical delivery conditions; hot-dip galvanized fasteners

## **Previous** editions

DIN 434 and DIN 435: 05.43, 02.61; DIN 435: 11.21, 04.24, 10.36, 11.70.

# Amendments

The following amendments have been made to the November 1970 edition.

- Limits of size are now specified.
- b) The washer hardness is now specified.
- c) Washers are now to be electroplated as specified in DIN 267 Part 9.
- Washers are now to be hot-dip galvanized as specified in DIN 267 Part 10.
- e) Square taper washers are now to be subjected to acceptance inspection as specified in DIN 267 Part 5. f)
- The standard has been editorially revised.

# International Patent Classification

E 04 B 1/38 F 16 B 43/00 62