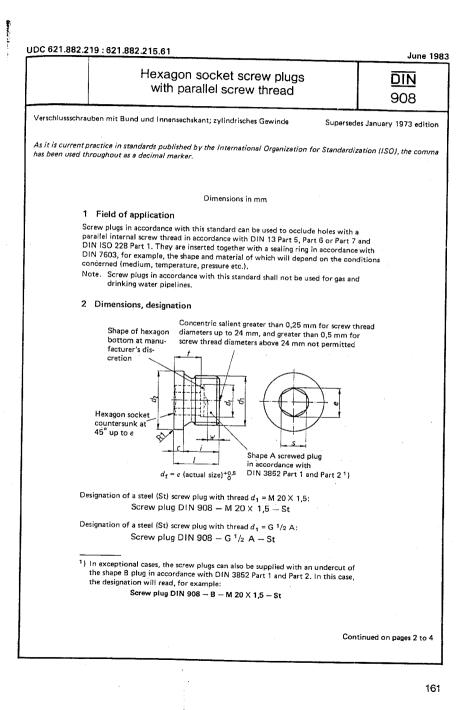
#### DIN908-83 (1728x2273x2 tiff)

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	d <sub>1</sub> Metric fine screw thread Pipe thread in in accordance with DIN 13 DIN 13 DIN 150 278		c	dz	e 1)	i	1	\$	t	w	Weight (7,85 kg/dm <sup>3</sup> ) kg/1000 pieces
Part 5, Part 6 or Part 7		DIN ISO 228 Part 1	+ 0,5 0	h14	min.	±0,2	~	D12	min.	min.	~
M 10 × 1	-	G 1/8 A	3	14	5,7	8	11	5	5	3	6,34
M 12 X 1,5	-		3	17	6,9	12	15	6	7	3	11,3
		G 1/4 A	3	18	6,9	12	15	6	7	3	14,6
M 14 X 1,5	_		3	19	6,9	12	15	6	7	3	16,0
M 16 X 1,5	-	-	3	21	9,2	12	15	8	7,5	3	19,0
-		G 3/8 A	3	22	9,2	12	15	8	7,5	3	21,4
M 18 X 1,5	_	_	4	23	9,2	12	16	8	7,5	3	28,3
M 20 X 1,5	-		4	25	11,4	14	18	10	7,5	4	37,5
		G 1/2 A	4	26	11,4	14	18	10	7,5	4	40,8
M 22 X 1,5	-		4	27.	11,4	14	18	10	7,5	. 4	47,5
M24×1,5	-	-	4	29	13,7	14	18	12	7,5	4	53,5
M 26 X 1,5		— .	4	31	13,7	16	20	12	9	4	68,7
- 1	M 27 X 2	G 3/4 A	4	32	13,7	16	20	12	9	4	73,5
M 30 X 1,5	M 30 $ imes$ 2		4	36	19,4	16	20	17	9	4	84,0
	M 33 × 2	GIA	5	39	19,4	16	21	17	9	4	111
M 36 X 1,5	M 36 X 2	-	5	42	21,7	16	21	19	10,5	4	134
M38×1,5	-	G 1 1/8 A	5	44	21,7	16	21	19	10,5	4	149
. –	M 39 X 2	-	5	46	21,7	16	21	19	10,5	4	163
M 42 X 1,5	M 42 X 2	G 1 1/4 A	5	49	25,2	16	21	22	10.5	4	187
M45×1,5	M 45 X 2	- 1	5	52	25,2	16	21	22	10.5	4	215
M48×1,5	M 48 × 2	G 1 1/2 A	5	55	27,4	16	21	24	10,5	4	246
M 52 X 1,5	M 52 X 2	-	5	60	27,4	16	.21	24	10,5	4	302
-	-	G 1 3/4 A	5	62	36,6	20	25	32	14	4	320
-	M 56 X 2		5	64	36,6	20	25	32	14	4	386
	M 60 X 2	G 2 A	5	68	36,6	20	25	32	14	4	445
	M 64 X 2	-	5	72	36,6	20	25	32	14	4	530

## 3 Material

St = 9 SMnPb 28 K in accordance with DIN 1651 or } at manufacturer's discretion <sup>2</sup>} UQSt 36 in accordance with DIN 17 111

A1 = Stainless steel in accordance with DIN 267 Part 11

At-Leg = Aluminium alloy in accordance with DIN 267 Part 18

CuZn = Copper-zinc alloy in accordance with DIN 267 Part 18

PA = Polyamide

Other materials or specific material qualities subject to agreement.

## 4 Finish

Product class B (previously type mg) in accordance with DIN ISO 4759 Part 1 Screwed plug in accordance with DIN 3852 Part 1 and Part 2 Surface peak-to-valley heights in accordance with DIN 267 Part 2 (at present at the stage of draft) General tolerances: DIN 7168 - g

<sup>2)</sup> These materials are valid in lieu of property class 5.8 in accordance with DIN ISO 898 Part 1, which was specified in previous editions of this standard.

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## 5 Surface protection

If surface protection is required, the following specification shall apply:

- DIN 267 Part 9 for galvanic surface protection
- DIN 50 942 for phosphate coatings

Other kinds of surface protection subject to agreement.

# 6 General requirements

As regards general requirements, DIN 267 Part 1 shall apply.

# 7 Acceptance test

DIN 267 Part 5 (at present at the stage of draft) shall apply to the acceptance test.

## Standards referred to

DIN	13 Part 5	ISO metric screw threads; fine screw threads with 1 mm and 1,25 mm pitch in screw thread diameters from 7,5 to 200 mm; nominal dimensions
DIN	13 Part 6	ISO metric screw threads; fine screw thread with 1,5 mm pitch in screw thread diameters from 12 to 300 mm, nominal dimensions
DIN	13 Part 7	SO metric screw threads; fine screw thread with 2 mm pitch in screw thread diameters from 17 to 300 mm, nominal dimensions
DIN	267 Part 1	Fasteners; technical delivery conditions, general requirements
DIN	267 Part 2	(at present at the stage of draft) Fasteners; technical delivery conditions, finish and dimensional accuracy
DIN	267 Part 5	(at present at the stage of draft) Fasteners; technical delivery conditions, acceptance test
DIN	267 Part 9	Fasteners; technical delivery conditions, components with electroplated coatings
DIN	267 Part 11	Fasteners; technical delivery conditions with additions to ISO 3506; stainless and acid-resistant steel components
DIN	267 Part 18	Fasteners; technical delivery conditions, non-ferrous metal components
DIN	1651	Free cutting steels; technical delivery conditions
DIN	3852 Part 1	Screwed plugs; screwed plug holes for pipe unions, valves and fittings, screw plugs with metric fine screw thread; design dimensions
DIN	3852 Part 2	Screwed plugs; screwed plug holes for pipe unions, valves and fittings, screw plugs with Whitworth pipe thread; design dimensions
DIN	7168 Part 1	General tolerances; linear and angular dimensions
DIN	7603	Sealing rings for pipe unions and screw plugs
DIN 1	7 111	Low carbon unalloyed steels for bolts, nuts and rivets; technical delivery conditions
DIN 5	0 942	Phosphating of metals; process principles, symbols and test methods
DINI	50 228 Part 1	Pipe threads where pressure-tight joints are not made on the threads; designation, dimensions, tolerances
	60 898 Part 1	Mechanical properties of fasteners; bolts, screws and studs
DIN IS	SO 4759 Part 1	Fasteners; tolerances for bolts, screws and nuts with screw thread diameters from 1,6 to 150 mm; product classes A, B and C

# Other relevant standards

DIN	906	Hexagon socket pipe plugs
DIN	907	Core plugs and core plug bars with parallel screw thread
DIN		Hexagon head pipe plugs
DIN	910 Part 1	Heavy duty hexagon head screw plugs with shoulder and parallel screw thread
DIN	910 Part 2	Heavy duty hexagon head screw plugs with shoulder, with vent hole and parallel screw thread
DIN	7604	Light duty hexagon head screw plugs with parallel screw thread

#### Previous editions

DIN 908: 04.15, 12.43, 04.56, 09.59, 01.73

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### Amendments

The following amendments have been made in comparison with the January 1973 editon:

- a) The contents of the standard have been revised editorially. A new clause "Field of application" has been inserted at the beginning.
- b) The permissible deviations in accordance with DIN 267 Part 2 or DIN ISO 4759 Part 1 have been incorporated in addition to the individual dimensions of the screw plugs.
- c) The material specifications have been extended; symbols have been adopted.
- d) The dimensioning of the hexagon socket has been complemented.
- e) The previous Standard DIN 259 for pipe threads has been replaced by DIN ISO 228 Part 1. The designation of the thread has accordingly been changed from "R..." to "G..." in each case. This has not involved any changes in the thread dimensions.

#### Explanatory notes

For some sizes of screw plugs, two different thread pitches have been listed, as previously, such as M 30  $\times$  1,5 and M 30  $\times$  2. It is however advisable to select the coarser of the two pitches in each case, if the prevailing design conditions allow it.

The previously featured property class 5.8 in accordance with DIN ISO 898 Part 1 (previously DIN 267 Part 3) has been dropped. Property classes in accordance with the above-mentioned standard are intended primarily for bolts subjected to tensile stress, and they specify the corresponding mechanical properties and the valid test procedures applicable to these properties. In the case of screw plugs subjected to compressive stress, these properties are neither relevant nor verifiable. The specification of hardness categories in accordance with DIN ISO 898 Part 2 has also been dropped from the present standard. Depending on the manufacturing process, the degree of shaping and the measuring point, the hardness of screw plugs can vary quite considerably, and consequently it does not constitute a valid criterion for the assessment of the mechanical properties. It has however been allowed to continue referring to property class 5.8 on existing drawings and documents for the time being.

### International Patent Classification

B 65 D 39-08 B 65 D 41-04 B 65 D 41-34