Low socket head cap screw

A low head for assemblies with restricted axial space. Head and socket geometry reduce loadability; this is not an automatic substitute for a regular socket head cap screw.

UNI 9327

The low head limits axial load compared with a full-loadability screw of the same property class. Marking may include a leading zero, such as 08.8 or 010.9; this does not designate a different alloy. Tightening and joint strength must be checked for the specified screw.

Dimensional range

M4-M16

Thread

Metric · coarse pitch

Configuration

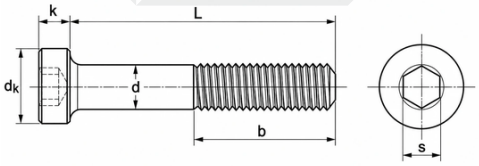
Reduced-loadability head

References

UNI 9327



Technical drawing



d

nominal diameter

dk

head diameter

k

head height

s

hexagon socket size

https://www.dueemmesidol.it/en/products/standard-fasteners/screws-bolts/din-7984/

t

socket depth

L

underhead length

b

reference thread length

Variants and dimensional data

Commercial reference dimensions M4-M16 for the DIN 7984 family. For orders to the 2022 edition, confirm specification tolerances and conditions. Other sizes on request.

Dimensions in mm. Identification drawing, not a manufacturing drawing.

M	Pitch P	dk max.	k max.	s	t min.
4	0.7	7	2.8	2.5	1.1
5	0.8	8.5	3.5	3	1.9
6	1	10	4	4	2.4
8	1.25	13	5	5	3.2
10	1.5	16	6	7	3.8
12	1.75	18	7	8	4.4
16	2	24	9	12	5.8

Full or partial threading must be confirmed for the individual size and supply. Listed commercial lengths do not guarantee a plain-shank length; b remains ND where the configuration has not been confirmed.

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Table dimensions refer to the stated execution. DIN/UNI, polymer and special variants require verification of their own dimensions; they do not automatically inherit reference geometry, weight or performance.

Materials, classes, finishes and treatments

Executions are distinguished by reference, material, class and finish. DIN, ISO and UNI references do not imply dimensional equivalence or availability of every size in each material. Supply and batch documents require quotation confirmation.

Execution reference	Material	Class / hardness	Documented finishes
DIN 7984	Steel	010.9	GEOMET 321A; Plain; Zinc plated
DIN 7984	Stainless A2	To be specified	To be specified
DIN 7984	Stainless A4	To be specified	To be specified
DIN 7984	Steel	012.9	Plain
DIN 7984	Steel	08.8	Black zinc plated; GEOMET 321A; Plain; Yellow zinc plated; Yellow zinc plated Cr III 12 µm with sealer; Zinc plated
DIN 7984	Steel	8.8 (reduced loadability)	Zinc plated

“To be specified” is a requirement not established by this selection; it does not imply class 70/80, HV hardness or an automatic finish. Steel property classes do not apply to nylon/polyamide; PA6 and PA66 are distinguished only where stated. For nuts with non-metallic inserts, the material shown is the body material.

Documentation

Document	Status
Declaration of conformity	Subject to order agreement
Material certificate	Subject to order agreement
EN 10204 2.2 test report	Subject to order agreement
EN 10204 3.1 inspection certificate	Subject to order agreement
Dimensional inspection report	Subject to order agreement
Coating report	Subject to order agreement
Other documentation	Subject to order agreement

Batch documents are not automatically included: specify your requirements in the RFQ.

ISO, DIN and UNI: key differences

DIN 7984:2022-03

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Related low-head family reference; it does not establish identical requirements and tolerances.