

Hexalobular socket countersunk flat head screw

Metric screw with head dimensions and drive identification. Materials, grades and finishes are kept separate from dimensions.

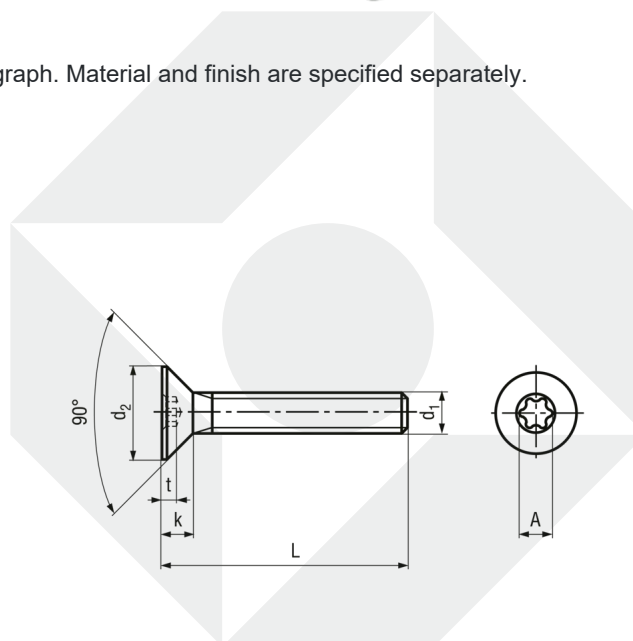
ISO 14581

Dimensional reference: ISO 14581 · Pitch: Coarse · Drive: Hexalobular TX · Units: mm



Representative geometry photograph. Material and finish are specified separately.

Technical drawing



Bossard reference drawing. Not to scale; d_1 corresponds to d and d_2 to dk in the table.

d : Nominal diameter · dk : Head diameter · k : Head height · TX: Hexalobular drive size

Reference geometry

Dimensions in mm. Supply lengths are not listed: specify the required length in your enquiry.

Reference dimensions from the Schäfer + Peters 2025 catalogue for the stated standard. Check the actual execution drawing for tolerances, recess and mating requirements. Dimensions are not an availability list.

d	dk	k	TX
M1.6	3	0.96	TX5
M2	3.8	1.2	TX6
M2.5	4.7	1.5	TX8
M3	5.5	1.65	TX10
M4	8.4	2.7	TX20
M5	9.3	2.7	TX25
M6	11.3	3.3	TX30
M8	15.8	4.65	TX45
M10	18.3	5	TX50



Materials, grades, finishes and treatments

Material	Grade	Finish
Steel	08.8	Clear zinc plated
Stainless steel A2	Grade and loadability to be specified	To be specified
Stainless steel A4	Grade and loadability to be specified	To be specified

Material, grade, coating and documentation must be agreed in the quotation. Similar executions do not imply dimensional or mechanical equivalence. Dueemme confirms availability for the specific enquiry.

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.

Standards, executions and application

Check the driving tool, head bearing surface and tightening requirements. Slotted, hexagon socket and hexalobular geometries are not automatically interchangeable. The head geometry entails reduced loadability. The leading zero in class 08.8 is significant: it is not equivalent to a full-loadability 8.8 screw. For stainless steel, also verify the loadability of the actual execution according to ISO 3506-1.

Technical references

Schäfer + Peters 2025 - ISO 14581

Bossard BN 3803

Bossard BN 4851 - 08.8