

Cross recessed raised countersunk head screw

Metric screw for mechanical assemblies. Head and drive dimensions, materials and finishes grouped in one data sheet.

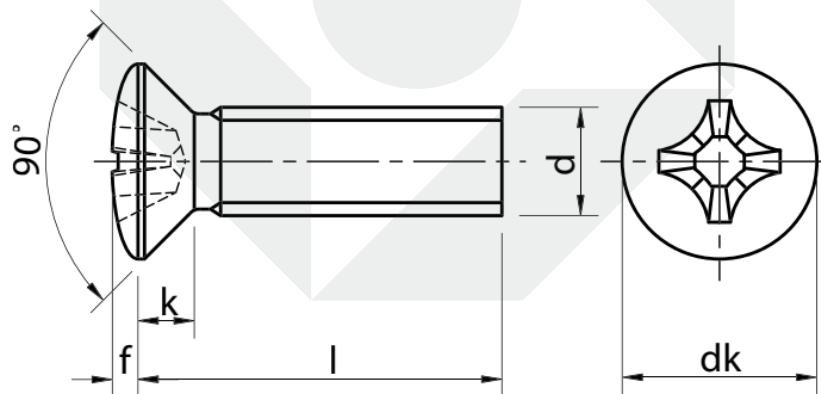
DIN 966 / ISO 7047 / UNI 7689

Dimensional reference: DIN 966 · ISO reference: ISO 7047 · Drive: Cross recess H / Z · Units: mm



Representative geometry photograph. Material and finish are specified separately.

Technical drawing



Reference drawing from the Berardi catalogue. Dimensions in mm; not to scale.

d: Nominal thread diameter · dk: Head diameter · k: Head height · PH: Phillips H recess size · f: Raised crown height

Reference geometry

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

DIN dimensions from the Berardi catalogue, metric coarse thread. ISO references may have dimensional differences: do not use this table as an ISO dimensional table. Polymer executions require drawing verification. The PH column applies only to Phillips H; the Pozidriv Z execution must be specified separately.

d	dk max.	k max.	f	PH
M3	5.6	1.65	0.75	1
M4	7.5	2.2	1	2
M5	9.2	2.5	1.25	2
M6	11	3	1.5	3
M8	14.5	4	2	4



Materials, grades, finishes and treatments

Material	Grade	Finish
Steel	4.8	Uncoated; clear zinc plated; black zinc plated
Stainless steel A2	To be specified to ISO 3506-1	To be specified
Stainless steel A4	To be specified to ISO 3506-1	To be specified
Polyamide / nylon - similar execution	Not applicable	Natural

Mechanical grades refer to the material and actual execution: do not apply class 4.8 to stainless steels or polymers. Specify the stainless grade, non-ferrous alloy, coating and documentation in the enquiry. Materials and finishes do not define availability: Dueemme confirms supply in the quotation.

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

The table describes DIN 966; ISO 7047 and UNI 7689 are related references. Agree the required standard and check its edition, geometry and mechanical requirements before substituting a screw.

Verify the mating surface and head contact. Tightening torque depends on material, coating, friction and the assembled component.

H (Phillips) and Z (Pozidriv) drives are documented for stainless executions. State the required drive; the tools are not interchangeable.

Technical references

Berardi - DIN 966

Inoxmare - materials and executions

Berardi - DIN 966 - natural nylon