

Hexagon socket shoulder screw

Geometry, executions, materials and finishes in one data sheet. Required length and supply requirements are defined in the quotation request.

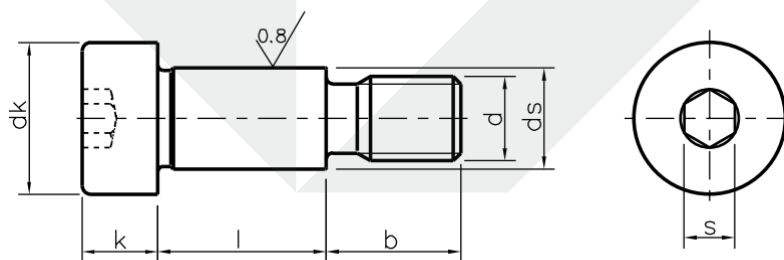
ISO 7379 - catalogue executions

Dimensional reference: ISO 7379 · Pitch: Coarse · Drive: Hexagon socket · 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.

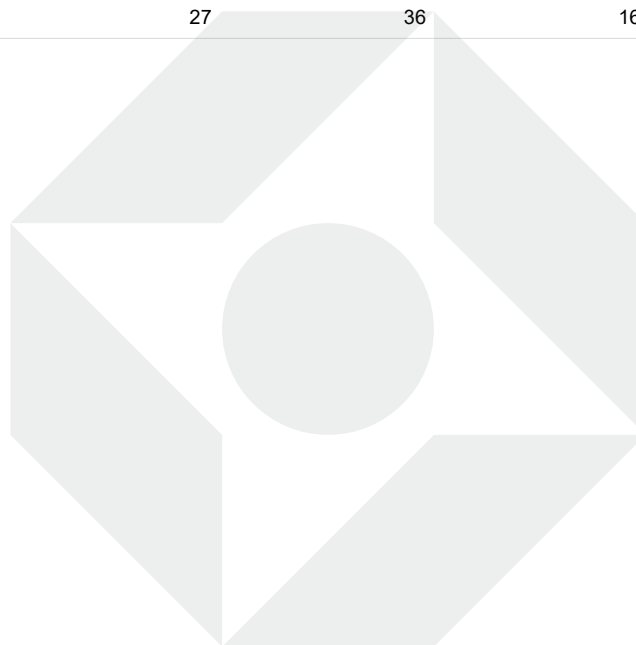
d : Nominal thread · ds : Shoulder diameter · b : Threaded portion · dk max.: Maximum head diameter · k max.: Maximum head height · s : Wrench size

Reference geometry

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

Reference dimensions for the h8 shoulder execution in the Berardi catalogue. An f9 variant is also listed: specify the fit tolerance without assuming identical executions. Catalogue shoulder sizes 6, 12 and 24 differ from ISO nominal sizes 6.5, 13 and 25: always request the variant drawing. b identifies the threaded portion geometry, not a supply length list.

d	ds	b	dk max.	k max.	s
M5	6	9.5	10	4.5	3
M6	8	11	13	5.5	4
M8	10	13	16	7	5
M10	12	16	18	9	6
M12	16	18	24	11	8
M16	20	22	30	14	10
M20	24	27	36	16	12



Materials, grades, finishes and treatments

Material	Class / execution	Finish
Steel	marking and loadability to be checked	Black
Stainless steel AISI 304	f9 execution, class not stated	Ground shoulder

Material, class, tolerance and finish are confirmed in the quotation. Dimensional rows do not indicate availability by material; not all combinations are implied.

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 ground shoulder is intended for positioning and guiding. Material tensile strength alone does not determine component capacity: shoulders and undercuts limit tightening. Bossard distinguishes 012.9 / 12.9 according to the head marking and states that these screws are not intended to transmit high axial forces. The Ganter stainless execution is AISI 304 with an f9 shoulder and stated deviations from the standard: do not transfer steel performance to this variant.

Technical references

Berardi - ISO 7379

Berardi - product

Bossard BN 1359 - marking and loadability

Ganter ISO 7379 - AISI 304, f9