J & E Supply & Fastener Co., Inc.
jandesupply.com

1903 SE 59th St · Oklahoma City, Oklahoma 73129 · 405-670-1234
1001 S 12th St · Duncan, Oklahoma 73533 · 580-255-2582

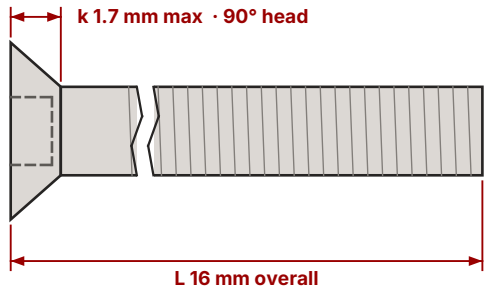
TECH DATA

M3×0.5 × 16mm Flat Head

Class 10.9 · Steel · Plain · DIN 7991

THE PART

Part number	**MSC003C016FH5P**
Type	**Socket flat head, DIN 7991**
Thread	**M3 × 0.5 (coarse)**
Length	**16 mm overall, head included**
Hex key	**2 mm (Allen wrench)**
Class	**10.9 (reduced loadability)**
Material	**Steel**
Finish	**Plain**



Shank shown broken to fit. Socket dashed. Head: DIN 7991, maximum. Not for gauging.

THREAD

M3 × 0.5

Coarse pitch, 0.5 mm

HEX KEY

2 mm

Allen wrench / hex bit

HEAD

6 mm

Head diameter (max)

Height 1.7 mm max, 90° countersunk

DIMENSIONS · DIN 7991

s Hex key	**2 mm**
dk Head diameter (max)	**6 mm**
k Head height (max)	**1.7 mm**
b Thread length (ref)	**12 mm**
L Length	**16 mm overall**
Head angle	**90°**

USE IT FOR

Flat and button heads are for light-duty fastening and a clean look; for a joint that has to carry load, use a socket head cap screw.

Countersunk head: 90° through M20; the M24 head is 60°. Length is overall. DIN 7991 heads are a little lower than ISO 10642 at some sizes — not interchangeable in a tight countersink.

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HOW TO MEASURE

A flat head sits flush in a 90° countersink, so it is measured overall - from the top of the head to the end - in millimetres. M3 is the thread diameter, 0.5 mm the pitch.

METRIC FLAT & BUTTON CHART

Scan for every size: key and head.

jandesupply.com · Resources

USE IT WITH

A 2 mm hex key (Allen wrench)

To sit flush: a 90° countersink, 6 mm across.

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