

Stainless Steel Socket Head Countersunk Screws

DIN 7991



DIN 7991 stainless socket head countersunk screws are metric fasteners with a flat, countersunk head and internal hexagon drive. Designed to sit flush within a countersunk hole, providing a smooth, snag free surface.

Applicable Standard

DIN 7991 – Hexagon socket countersunk head screws (equivalent to ISO 10642).

Material

- A2 Stainless Steel (304)
- A4 Stainless Steel (316)

Sizes

M5–M24.

Specific Features

- Metric coarse thread as standard
- Generally supplied fully threaded (some sizes or stock variants may include a partially threaded shank)
- Internal hexagon socket
- Countersunk head for flush installation

Performance

- Mechanical and engineering fixings
- Architectural and fabrication applications
- Machinery, equipment, and general construction use
- Installations requiring a smooth, low profile finish
- Suitable for external, corrosive, and marine environments

Typical Applications

- Architectural panels and cladding
- Floor plates, decking and walkways

- Fabrication and machinery assemblies
- Covers and enclosures
- Metal fabrication and panels

Installation Notes

- Installed using a hex key (Allen key)
- Correct countersunk hole angle required for proper seating
- Anti-galling measures recommended when assembling stainless steel components

Dimensions & Design

Countersunk head for flush installation.

Size d1 (mm)	d2 (mm)	t (mm)	s (mm)	L (mm)
M5	10.0	2.3	3.0	>6
M6	12.0	2.5	4.0	>8
M8	16.0	3.5	5.0	>10
M10	20.0	4.4	6.0	>12
M12	24.0	4.6	8.0	>16
M16	30.0	5.3	10.0	>20
M20	36.0	5.9	12.0	>30
M24	39.0	10.3	14.0	>30

