

Datasheet

RS Stock No: 9087766

Clear Passivated, Bright Zinc Plated Steel Cheese Head Machine Screws: Metric Thread



Cheese Head Machine Screws are designed for ease of assembly and these screws with their slotted drives are a popular driving method with this type of fastener. Machine screws can be used in pre-tapped holes or used with conforming nuts and washers in through-holes.

- Clear Passivated, Bright Zinc Plated Steel
- Threaded in accordance with DIN 84 standard
- Suitable for light fastening applications in facilities maintenance and electronic & domestic applications
- Typical applications include; PCB prototyping, circuit board mounting and general repair and maintenance
- Requires a slotted screwdriver

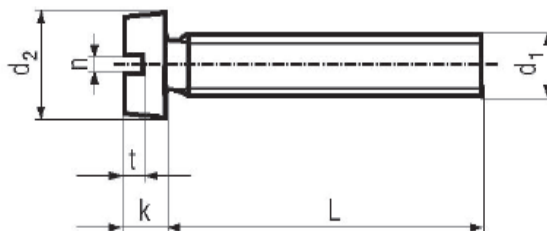


ENGLISH

Please view our range listing below for more Clear Passivated, Zinc Plated Steel, Cheese Head Machine Screws:

| Head Shape | Drive Type | Material | Thread Size | Length | RS Part No. |
|-------------|------------|-------------------|-------------|--------|-------------|
| Cheese Head | Slot | Zinc Plated Steel | M2 | 6 mm | 9087747 |
| Cheese Head | Slot | Zinc Plated Steel | M2 | 12 mm | 9087740 |
| | | | | | |
| Cheese Head | Slot | Zinc Plated Steel | M3 | 8 mm | 9087744 |
| | | | | | |
| Cheese Head | Slot | Zinc Plated Steel | M3.5 | 10 mm | 9087753 |
| Cheese Head | Slot | Zinc Plated Steel | M3.5 | 12 mm | 9087756 |
| | | | | | |
| Cheese Head | Slot | Zinc Plated Steel | M4 | 8 mm | 9087750 |
| Cheese Head | Slot | Zinc Plated Steel | M4 | 35 mm | 9087769 |
| Cheese Head | Slot | Zinc Plated Steel | M4 | 40 mm | 9087762 |
| Cheese Head | Slot | Zinc Plated Steel | M4 | 50 mm | 9087766 |
| | | | | | |
| Cheese Head | Slot | Zinc Plated Steel | M5 | 6 mm | 9087775 |
| Cheese Head | Slot | Zinc Plated Steel | M5 | 8 mm | 9087778 |
| Cheese Head | Slot | Zinc Plated Steel | M5 | 30 mm | 9087772 |
| Cheese Head | Slot | Zinc Plated Steel | M5 | 35 mm | 9087781 |
| Cheese Head | Slot | Zinc Plated Steel | M5 | 40 mm | 9087784 |
| Cheese Head | Slot | Zinc Plated Steel | M5 | 50 mm | 9087788 |
| | | | | | |
| Cheese Head | Slot | Zinc Plated Steel | M6 | 10 mm | 9087797 |
| Cheese Head | Slot | Zinc Plated Steel | M6 | 40 mm | 9087790 |
| Cheese Head | Slot | Zinc Plated Steel | M6 | 50 mm | 9087794 |

CHEESE HEAD SLOTTED MACHINE SCREWS DIN 84 / ISO 1207



| Head Diameter (d2) | Size d1 | M1.6 | | M2 | | M2.5 | | (M2.6) | | M3 | | (M3.5) | | M4 | | M5 | | M6 | | M8 | | M10 | |
|--------------------|---------|------|------|------|------|------|------|--------|------|------|------|--------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Standard | | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max |
| DIN 84 (1990) | | 2.96 | 3.00 | 3.62 | 3.80 | 4.32 | 4.50 | 4.82 | 5.00 | 5.32 | 5.50 | 5.82 | 6.00 | 6.78 | 7.00 | 8.28 | 8.50 | 9.78 | 10.00 | 12.73 | 13.00 | 15.73 | 16.00 |
| ISO 1207 (1992) | | 2.96 | 3.00 | 3.62 | 3.80 | 4.32 | 4.50 | | | 5.32 | 5.50 | 5.82 | 6.00 | 6.78 | 7.00 | 8.28 | 8.50 | 9.78 | 10.00 | 12.73 | 13.00 | 15.73 | 16.00 |

| Head Height (k) | Size d1 | M1.6 | | M2 | | M2.5 | | (M2.6) | | M3 | | (M3.5) | | M4 | | M5 | | M6 | | M8 | | M10 | |
|-----------------|---------|------|-----|------|-----|------|-----|--------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|
| Standard | | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max |
| DIN 84 (1990) | | 0.86 | 1.0 | 1.16 | 1.3 | 1.46 | 1.6 | 1.56 | 1.70 | 1.86 | 2.00 | 2.26 | 2.40 | 2.46 | 2.60 | 3.12 | 3.30 | 3.60 | 3.90 | 4.70 | 5.00 | 5.70 | 6.00 |
| ISO 1207 (1992) | | 0.96 | 1.1 | 1.26 | 1.4 | 1.66 | 1.8 | | | 1.86 | 2.00 | 2.26 | 2.40 | 2.46 | 2.60 | 3.12 | 3.30 | 3.60 | 3.90 | 4.70 | 5.00 | 5.70 | 6.00 |

| Slot Width (n) | Size d1 | M1.6 | | M2 | | M2.5 | | (M2.6) | | M3 | | (M3.5) | | M4 | | M5 | | M6 | | M8 | | M10 | |
|-----------------|---------|------|------|------|------|------|------|--------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|
| Standard | | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max |
| DIN 84 (1990) | | 0.46 | 0.60 | 0.56 | 0.70 | 0.66 | 0.80 | 0.66 | 0.80 | 0.86 | 1.00 | 1.06 | 1.20 | 1.26 | 1.51 | 1.26 | 1.51 | 1.66 | 1.91 | 2.06 | 2.31 | 2.56 | 2.81 |
| ISO 1207 (1992) | | 0.46 | 0.60 | 0.56 | 0.70 | 0.66 | 0.80 | | | 0.86 | 1.00 | 1.06 | 1.20 | 1.26 | 1.51 | 1.26 | 1.51 | 1.66 | 1.91 | 2.06 | 2.31 | 2.56 | 2.81 |

| Slot Depth (t) | Size d1 | M1.6 | | M2 | | M2.5 | | (M2.6) | | M3 | | (M3.5) | | M4 | | M5 | | M6 | | M8 | | M10 | |
|-----------------|---------|------|------|------|------|------|-----|--------|-----|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|
| Standard | | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max | min | max |
| DIN 84 (1990) | | 0.45 | 0.60 | 0.60 | 0.80 | 0.70 | 0.9 | 0.8 | 1.0 | 0.9 | 1.15 | 1.10 | 1.40 | 1.20 | 1.50 | 1.50 | 1.80 | 1.80 | 2.20 | 2.10 | 2.60 | 2.40 | 3.00 |
| ISO 1207 (1992) | | 0.45 | 0.60 | | | 0.70 | | | | 0.85 | | 1.00 | | 1.10 | | 1.30 | | 1.60 | | 2.00 | | 2.40 | |

| Length Tolerance | DIN 84/ISO 1207 | |
|------------------|-----------------|-------|
| Nominal Length | min | max |
| 2 | 1.8 | 2.2 |
| 2.5 | 2.3 | 2.7 |
| 3 | 2.8 | 3.2 |
| 4 | 3.76 | 4.24 |
| 5 | 4.76 | 5.24 |
| 6 | 5.76 | 6.24 |
| 8 | 7.71 | 8.29 |
| 10 | 9.71 | 10.29 |
| 12 | 11.65 | 12.35 |
| (14) | 13.65 | 14.35 |
| 16 | 15.65 | 16.35 |
| (18) | 17.65 | 18.35 |
| 20 | 19.58 | 20.42 |
| (22) | 21.58 | 22.42 |
| 25 | 24.58 | 25.42 |
| (28) | 27.58 | 28.42 |
| 30 | 29.58 | 30.42 |
| 35 | 34.5 | 35.5 |
| 40 | 39.5 | 40.5 |
| 45 | 44.5 | 45.5 |
| 50 | 49.5 | 50.5 |
| (55) | 54.05 | 55.95 |
| 60 | 59.05 | 60.95 |
| (65) | 64.05 | 65.95 |
| 70 | 69.05 | 70.95 |
| (75) | 74.05 | 75.95 |
| 80 | 79.05 | 80.95 |
| 90 | 88.9 | 91.1 |

Diameters & Lengths With () are not recommended for new design.

| Thread Pitch | | Thread Tolerance Plain 6g | |
|----------------|-------|-------------------------------|--------------------|
| Dia. | Pitch | Thread Tolerance Plated 6h | |
| M1.6 | 0.35 | Thread Tolerance Stainless 6g | |
| M2 | 0.4 | | |
| M2.5 | 0.45 | Material | 4.8 A2 - A4 |
| (M2.6) | 0.45 | Tensile Strength | 60900 72500-101500 |
| M3 | 0.5 | Yield Strength | 49300 30450-65250 |
| (M3.5) | 0.6 | | |
| M4 | 0.7 | Hardness | HRB 71-99.5 NA |
| M5 | 0.8 | | |
| M6 | 1 | | |
| (M8) | 1.25 | | |
| (M10) | 1.5 | Steel | Stainless Steel |
| Property Class | | 4.8 | A2 - A4 |
| Finish | | Plain /Plated | Plain |

For Machine Screws, The Letter A After The DIN Number Indicates Full Thread. Unless Requested, All Machine Screws Are Supplied As Full Thread, Therefore We Omit The A.