

THE OLANDER COMPANY INC

144 COMMERCIAL STREET SUNNYVALE, CA 94086-5298 PHONE 408-735-1850 FAX 408-735-6515
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Pan Head

Pan heads have a flat bearing surface and cylindrical sides. They are available with a slotted, Phillips or Torx® drive. The slotted pan heads have a flat or slightly rounded top surface while the Phillips or Torx® pan heads have a more rounded top.

They have a general purpose bearing area and in most applications can be substituted for round, truss, or binding heads.



Truss Head

Rounded top surface with a flat bearing surface greater in area than a round head screw of the same nominal size.

Truss heads are weaker than pan or round heads, but are preferred in applications where minimal clearance exists above the head. Also good for use in soft materials.



Fillister Head

Fillister heads have a rounded top surface, cylindrical sides, and a flat bearing surface. It differs from a pan head in the greater height of its side surfaces and smaller head diameter.

This head style is preferred for use in counterbored holes.

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Round Head

A round head has a semi-elliptical top surface and a flat bearing surface. It has a smaller head diameter than a fillister head.

Sometimes preferred over a pan head for its smooth surface and appearance.



Binding Head

Binding heads have a rounded top surface and slightly tapered sides. The bearing surface is flat with the slotted drive type having an annular undercut adjacent to the shank.

Preferred design for making a firm electrical connection.



Cheese Head

Disc with cylindrical outer edge, height approximately half the head diameter
Called out in Metric sizes.

Used in applications where head diameter is a concern.

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Cup Washer Head

Large diameter head screw commonly used to mount components onto a computer rack. Also known as a "Rack Screw".



Flat Head

Countersunk head with a flat top surface and a cone-shaped bearing surface with a head angle of approximately 82°

Used in applications where the fastener cannot protrude above the mating surface.



Flat 100° Head

Countersunk head with a flat top surface and a cone-shaped bearing surface with a head angle of approximately 100° . It has a thinner head height than an 82° flat head.

Used when fastening in soft materials because the 100° countersunk head distributes pressure over a larger surface area.

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Flat Undercut Head

Similar to an 82° flat head except that the head is undercut to 70% of its normal side height.

Standard for short lengths because it allows greater length of threads. Also avoids transition fillet and assembly interference.



Oval Head

Countersunk head with a rounded top surface and a cone-shaped bearing surface of approximately 82°.

Preferred in conical applications or when wanting a more decorative finished look.



Wing Head

Wing-like projections from the head of the screw, designed for manual turning without a driver or wrench.

Used in applications where the fastener is frequently adjusted. Ensures rapid assembly and disassembly using only your hand.

Sources: Kanebridge Corporation, comp. Kanebridge Fastener Reference Guide. 4th ed. Oakland, NJ: Kanebridge Corporation, 2007. Print.