

Aligned with Your Expectations

Dowel pins are used as locking devices, pivots, hinges, shafts, jigs, or fixtures to align parts within machinery to achieve maximum holding power with increased shear strength to absorb lateral stress. They provide a secure joint without altering the shape or impacting the frame of the finished piece and facilitate quick disassembly/re-assembly.

NEWLY EXPANDED LINES — THOUSANDS OF DOWEL PINS TO CHOOSE FROM



Visit huyett.com/catalogs today to download your copy of our 276-page Pins catalog



STANDARD DOWEL PINS

ASME B18.8.2 standard dowel pins have a radius on one end and a chamfer on the other. DIN 7 pins have a spherical radiused crown on each end. DIN 7 pins are unhardened.

Imperial Alloy

DOW = Alloy Steel, Plain* DOWBO = Alloy Steel, Black Oxide

Imperial Stainless



Metric



DOWM = Carbon Steel, Plain* DOWM6 = 316 Stainless Steel, Plain DOWMS = 300 Series Stainless Steel, Plain



Locking device in u-joint assembly



NOTE: MEASURE IMPERIAL PINS END TO END MEASURE METRIC PINS

C

ASME B18.8.2

TANGENT POINT TO TANGENT POINT

Vise positioning element

HARDENED DOWEL PINS

DIN 6325 dowel pins are hardened for heavy duty use. They have a tapered radiused crown on one end and a spherical radiused crown on the other. Available in metric sizes only.

Metric







As an alignment device

OVERSIZED DOWEL PINS

ASME B18.8.2 oversized dowel pins are typically used in aftermarket applications. Parts have a radius on one end and a chamfer on the other, and are .001" oversized to fit into worn or out-of-round holes.

Imperial





1			\bigcirc
			(())
•	C	>	-A→

ASME B18.8.2

Ideal for hinge-type applications

GROUND HOLLOW DOWEL PINS

Hollow pin typically used in alignment applications. Reduces the need to drill additional holes required for standard solid dowel alignment applications.

Metric







substantially less than solid pins



Ground Hollow Dowel pins weigh

PULLOUT DOWEL PINS

Internally threaded cylindrical pin for use in blind holes. Metric pullout dowel pins are manufactured to DIN 7979D specifications. Identical to standard dowel pins with chamfers on both ends.

Imperial



DOWPS = 18-8 Stainless Steel, Plain

Metric



DOWPM = Alloy Steel, Plain*



Threaded hole allows installation of a bolt and washers to assist in removal



R



DIN 7979D

FLAT VENT DOWEL PINS

Flat vent dowel pins are identical to pullout dowel pins with the added feature of a slightly flattened side which allows gas or liquid to escape while the medium is displaced during insertion.

The internal threads assist in removal of the dowel pins from a blind hole. External

grooves are cut in a spiral along the entire length which allows gas or liquid to escape during insertion while maintaining a 360° circumference contact.

Imperial





The flat vent allows media to be displaced when installed into a blind hole



GROOVED DOWEL PINS

Imperial



DOWPG = Alloy Steel, Plain*



Spiral grooves allow air to escape during installation



Versatile precision ground steel dowel pins aide in alignment and eliminate play in automotive, agricultural, aerospace, and other manufacturing applications.



Locks head into place



Transmits torque in a seal

© 2022 Huyett | Revision 5/2022



Serves as a stop in mechanical timers



Bell housing positioning element



Eases alignment of hub assembly components



Use as a stop pin for a rotating handle





install press fit dowel pins.