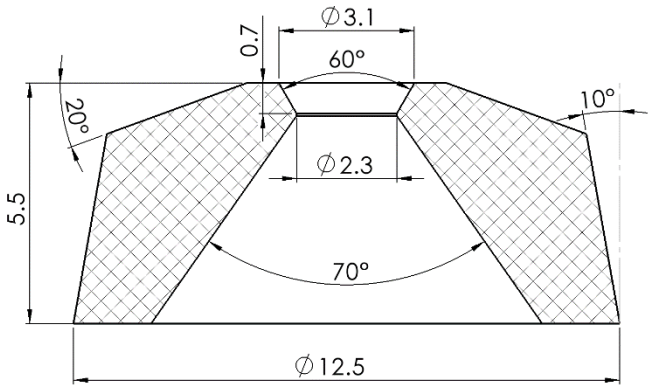
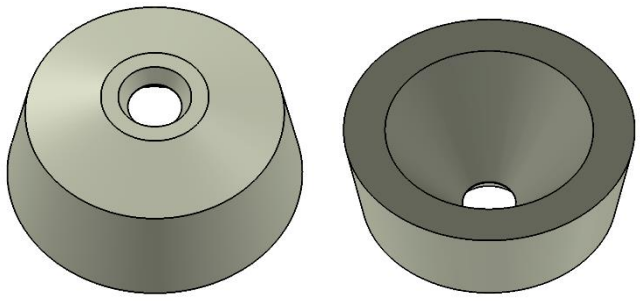
Typical Conical Support (a.k.a. Boehler-Almax, BA) Diamond Seats

DAC Tools manufactures and supplies a variety of different conical support diamond seats from various materials: Tungsten Carbide with Co binder (C2 grade) and non-magnetic with Ni binder (C-18), Vascomax C300/350, SS 440C, etc. While we can make diamond seats of any typical size and shape (different height, diameter, opening and cone angle), there is a number of seats of common shape and size which we typically have in stock. Below are examples of the most common Conical Support diamond seats. Other shapes – for example Stepped for ring resistive heaters and grooved for set screws – can be made on request.

WCDS-D12.5-H5.5-d3.1BA-70deg

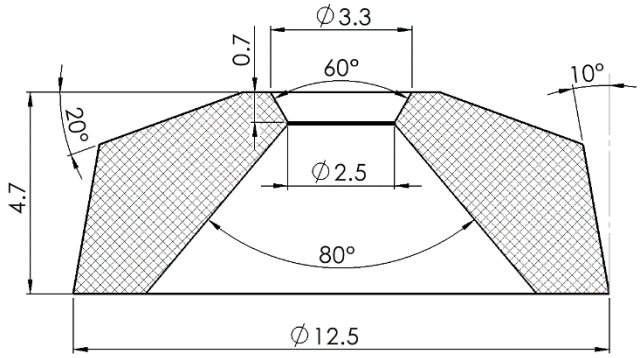
Tungsten carbide (C2) Diamond anvil seat, conical 60 degrees Boehler-Almax design, 12.5 mm seat diameter, 5.5 mm seat height, 3.1 mm diamond diameter, 70 degrees cone.

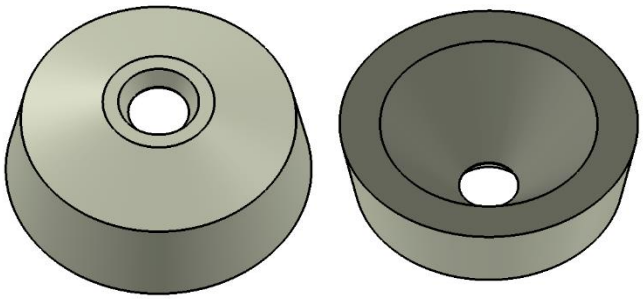




WCDS-D12.7-H4.7-d3.3BA-80deg

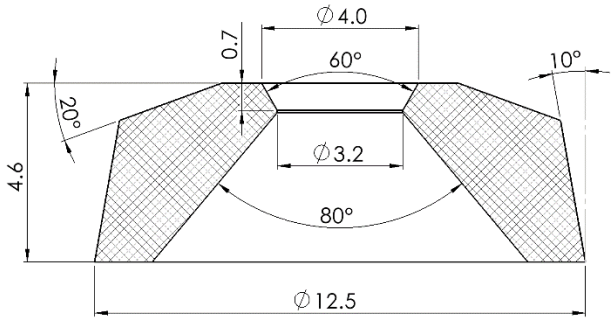
Diamond anvil seat, conical Boehler-Almax design, 12.7mm seat diameter, ~4.7 mm seat height, 3.3 mm diamond diameter, 80 degrees cone. Made from C-2 tungsten carbide with cobalt binder. All critical surfaces are ground and polished.

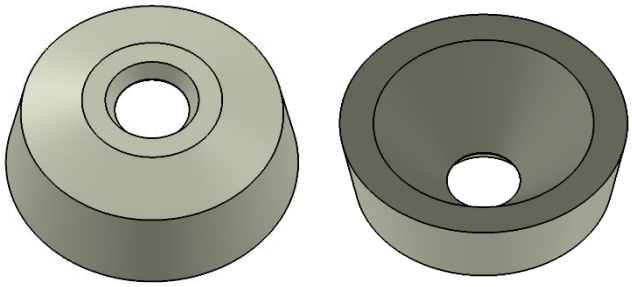




WCDS-D12.7-H4.5-d4.0BA-80deg

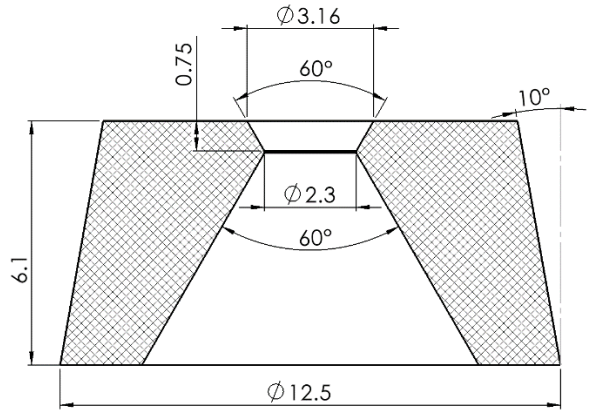
Diamond anvil seat, conical Boehler-Almax design, 12.7mm diameter, 4.5 mm seat height, 4.0 mm diamond diameter, 80 degrees cone. Material - pressed Tungsten Carbide with Co binder. All critical surfaces are ground and polished.

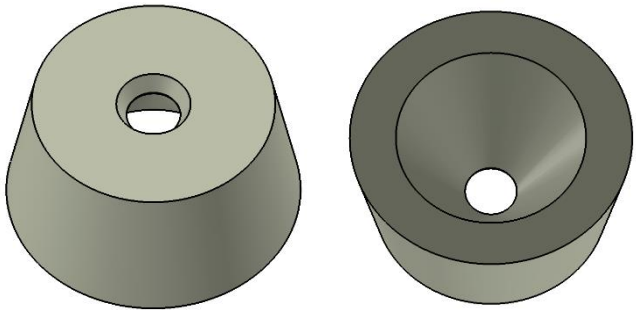




WCDS-D12.7-H6.0-d3.1BA60-60deg

C2 Tungsten carbide Diamond anvil seat, conical 60 degrees BA design, Ø12.7mm, HT 6.0 mm, 3.1 mm diamond diameter, 60º degrees opening cone. All critical surfaces are ground and polished.

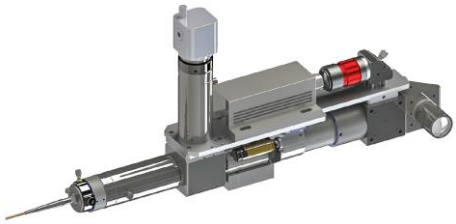




Related equipment

Laser drilling systems

Ruby pressure systems



Membrane P Control

For more information please visit www.DACTools.com

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