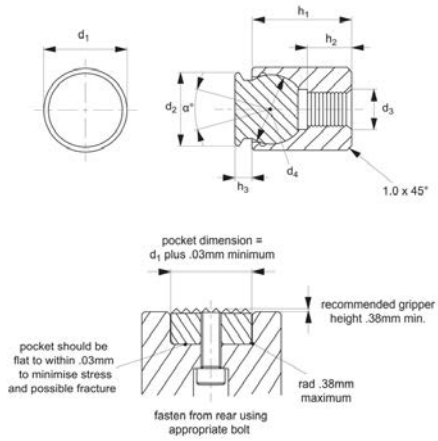
Grippers - Self Aligning

diamond coated - female threaded housing



35642

Material

Housing: alloy steel, heat treated to HRc 43-46 with black oxide finish.
Pad: diamond powder bonded to AISI 300 series stainless steel ball.

Technical Notes

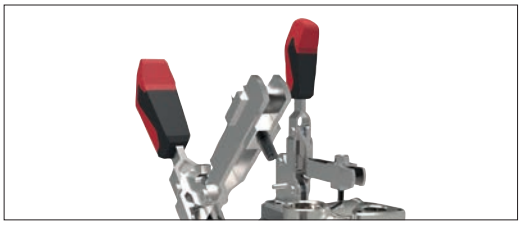
Permanently fused diamond powder creates an abrasive surface comparable to 100 grit abrasive value. Ideal for holding smooth or slippery components with a minimum of clamping pressure, and minimal surface marking. Excellent wear resistance.

Tips

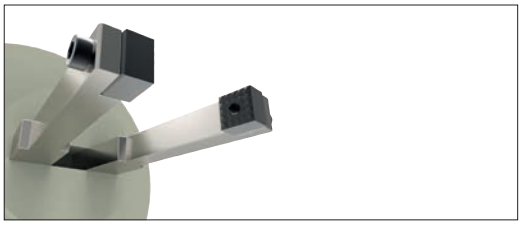
Re-seating: expel air by using 0,3 monofilament line between ball and housing, remove line when seated correctly.

Order No.	d_1 +0.00|-0.13	d_2 +0.00|-0.13	d_3	d_4	h_1 ±0.05	h_2 ±0.25	h_3	Swivel angle a °	Load kg max.
35642.W0841	10	8	M 4x0,7	7	10.5	3.5	2	28	1.2
35642.W0842	10	8	M 4x0,7	7	23.5	9.0	2	28	1.2
35642.W1151	13	11	M 5x0,8	10	14.5	6.5	3	28	2.0
35642.W1152	13	11	M 5x0,8	10	23.5	9.0	3	28	2.0
35642.W1461	17	14	M 6x1,0	13	18.0	7.5	3	28	2.8
35642.W1981	19	19	M 8x1,25	15	20.0	8.5	4	24	3.9
35642.W2110	24	21	M10x1,5	20	24.0	9.0	4	24	6.0

Carbide & Hardened Steel Grippers & Inserts



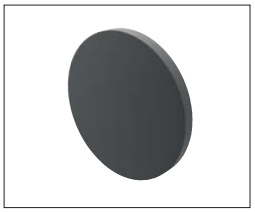
Grippers enhance workholding for multiple machining operations.



Grippers increase handling capability.

Pads and Gripper Options

Pads

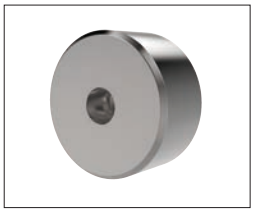


Solid Carbide

High impact carbide pads, can be brazed or bonded into place.

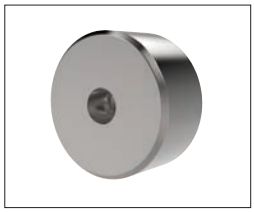
Carbide Tipped

Constructed with high impact carbide pad brazed to a heat treated alloy steel body. Mount via tapped hole or a flat on the outside diameter for set screw mounting.



Hardened Steel

Made from 8620 steel, carburized and hardened to Rc 58/60 1.2mm with black oxide finish. Mount via tapped or counter bored hole.

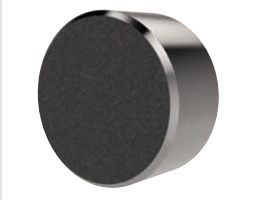


Non-marking Thermoplast

Made from white thermoplast. Mount via tapped or counter bored hole.

Stainless Steel

Pad from 17-4 stainless steel, hardened to Rc 43/46. Mount via tapped or counter bored hole.



Abrasive Diamond Surface

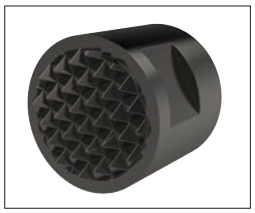
Abrasive surface permanently fused to a 17-4 stainless steel pad, hardened to Rc 43/46. The surface texture is comparable to a 100 grit abrasive. Mount via tapped or counter bored hole.

Soft Urethane Surface

Urethane surface is permanently bonded to a 300 series stainless steel pad. The urethane provides excellent protection against damage on delicate work surfaces. Tapped hole mounting.

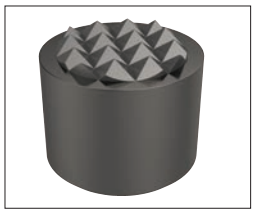
see our website for our full range:
wixroyd.com

Grippers



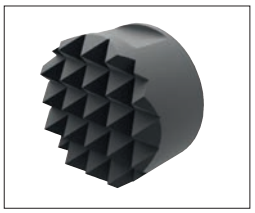
High Speed Tool Steel

Manufactured from M-2 high speed tool steel, hardened to Rc 60/62 with black oxide finish. Mount via tapped hole, counter bored hole or a flat on the outside diameter for set screw mounting.



Carbide Tipped

Constructed with high impact carbide pad brazed to a heat treated alloy steel body. Mounts via tapped hole or a flat on the outside diameter for set screw mounting.



Solid Carbide

Manufactured from high impact carbide in a solid gripper pad or as a solid gripper body with a threaded brazed-in steel insert. Mount via tapped hole or a flat on the outside diameter for set screw mounting.

ov-W35300-A-T-W35980-A-T-specialist-gripping-pads-b-lnh - Updated - 28-10-2022

A Range of Specialist Gripping Pads to Suit Your Application

Urethane Coated

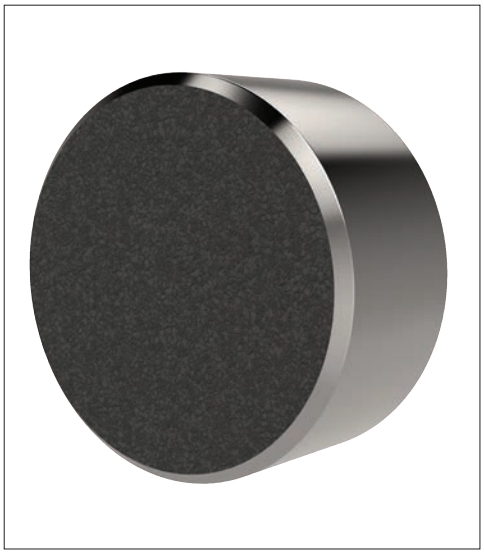
Unique urethane coat prevents marking of delicate components during machining or manipulation by robots. The urethane pad is permanently bonded to the stainless steel body of the gripping pad. With a bubbled texture, air is able to escape and hence avoid any suction action - enabling easy releasing of parts.

These are available in three different urethane durometers.

35 durometer: Pencil rubber top

60 durometer: Car tyre

80 durometer: Skateboard wheel

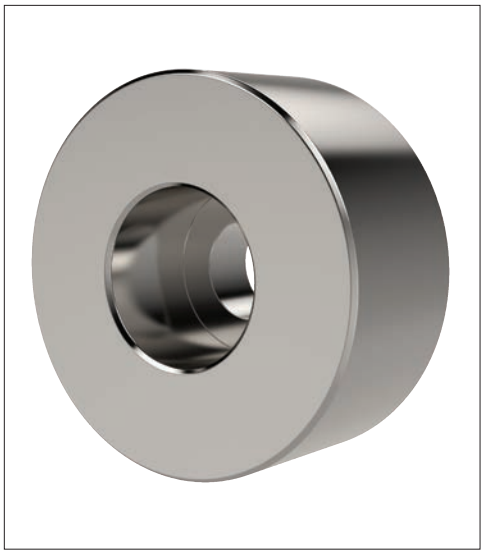


Abrasive Diamond Coated

To improve handling of smooth or slippery components, with a minimum of clamping pressure, our abrasive diamond coated pads provide an excellent solution.

Diamond powders are permanently fused to a 17-4 stainless pad, to provide an abrasive surface comparable to 100 grit value.

Sandpaper of 100 grit texture



Stainless Pads

Pads of 17-4 Stainless, hardened to RC 43/46 provide solutions to applications where material selection is of greater importance; for example nuclear or food processing or pharmaceutical applications.