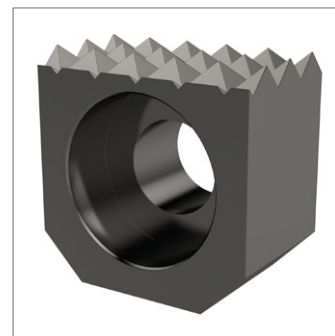




# Grippers - Hard Tool Steel

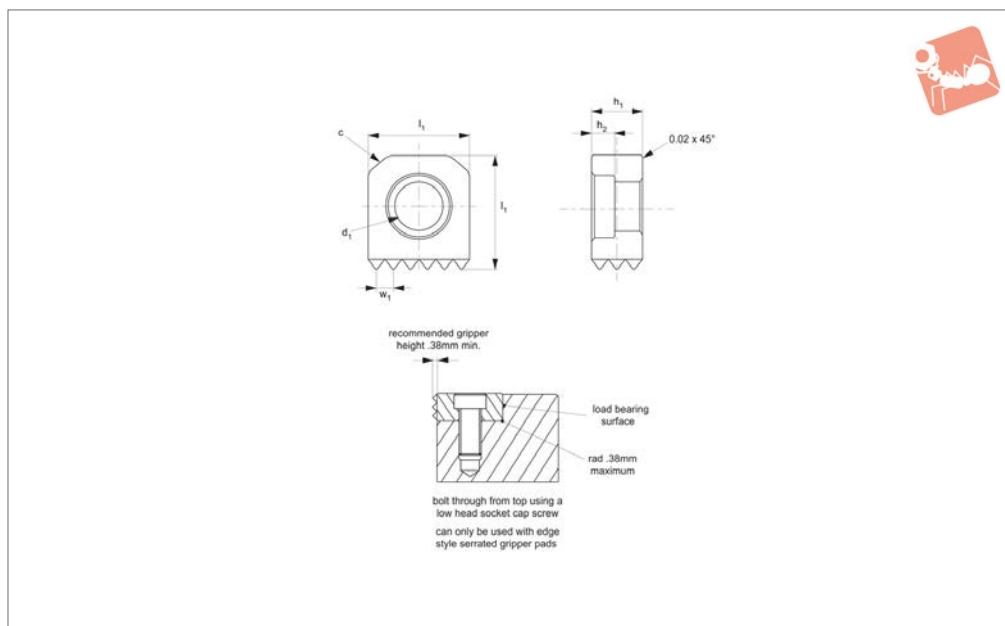
## edge gripper - front fixing

# Grippers & Rest Pads



## 35520

GRIPPERS & REST PADS



### Material

Tool steel, hardened to HRC 60-62.

### Technical Notes

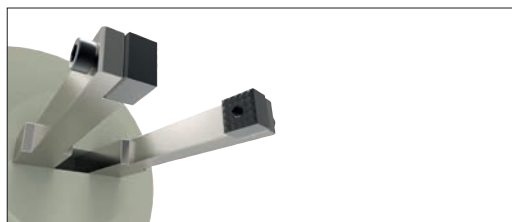
Square edge grippers have serrations on

one side. Counterbored hole for front mounting with a socket head or low head cap screw (SHCS - socket head cap screw, LHCS- low head cap screw).

Order No.	Tooth pattern	Serration type	$l_1$ +0.00 -0.13	$d_1$	$h_1$ +0.00 -0.13	$h_2$	Chamfer c	$w_1$
35520.W0201	Extra Fine	Diamond	10	M 3 SHCS	6	3.8	1,6x45°	2,4x90°
35520.W0202	Extra Fine	Diamond	10	M 3 SHCS	10	3.8	1,6x45°	2,4x90°
35520.W0203	Fine	Diamond	12	M 4 SHCS	6	4.1	2,3x45°	3,2x90°
35520.W0204	Fine	Diamond	12	M 4 SHCS	10	4.1	2,3x45°	3,2x90°
35520.W0205	Fine	Diamond	12	M 4 SHCS	12	4.1	2,3x45°	3,2x90°
35520.W0206	Fine	Diamond	16	M 6 LHCS	6	4.2	3,2x45°	3,2x90°
35520.W0207	Fine	Diamond	16	M 6 LHCS	10	4.2	3,2x45°	3,2x90°
35520.W0208	Fine	Diamond	16	M 6 LHCS	12	5.1	3,2x45°	3,2x90°
35520.W0209	Fine	Diamond	20	M 8 LHCS	6	5.1	3,2x45°	3,2x90°
35520.W0210	Fine	Diamond	20	M 8 LHCS	10	5.1	3,2x45°	3,2x90°
35520.W0211	Fine	Diamond	20	M 8 LHCS	12	5.1	3,2x45°	3,2x90°
35520.W0212	Fine	Diamond	25	M10 LHCS	10	6.6	3,2x45°	3,2x90°
35520.W0213	Fine	Diamond	25	M10 LHCS	12	6.6	3,2x45°	3,2x90°
35520.W0301	Extra Fine	Straight	10	M 3 SHCS	6	3.8	1,6x45°	2,4x90°
35520.W0302	Extra Fine	Straight	10	M 3 SHCS	10	3.8	1,6x45°	2,4x90°
35520.W0303	Fine	Straight	12	M 4 SHCS	6	4.1	2,3x45°	3,2x90°
35520.W0304	Fine	Straight	12	M 4 SHCS	10	4.1	2,3x45°	3,2x90°
35520.W0305	Fine	Straight	12	M 4 SHCS	12	4.1	2,3x45°	3,2x90°
35520.W0306	Fine	Straight	16	M 6 LHCS	6	4.2	3,2x45°	3,2x90°
35520.W0307	Fine	Straight	16	M 6 LHCS	10	4.2	3,2x45°	3,2x90°
35520.W0308	Fine	Straight	16	M 6 LHCS	12	4.2	3,2x45°	3,2x90°
35520.W0309	Fine	Straight	20	M 8 LHCS	6	5.1	3,2x45°	3,2x90°
35520.W0310	Fine	Straight	20	M 8 LHCS	10	5.1	3,2x45°	3,2x90°
35520.W0311	Fine	Straight	20	M 8 LHCS	12	5.1	3,2x45°	3,2x90°
35520.W0312	Fine	Straight	25	M10 LHCS	10	6.6	3,2x45°	3,2x90°
35520.W0313	Fine	Straight	25	M10 LHCS	12	6.6	3,2x45°	3,2x90°



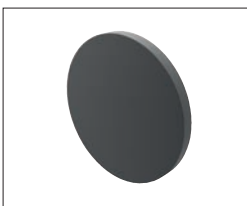
Grippers enhance workholding for multiple machining operations.



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.



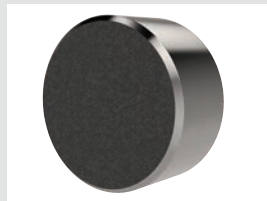
**Hardened Steel**  
Made from 8620 steel, carburized and hardened to Rc 58/60 1.2mm with black oxide finish. Mount via tapped or counter bored hole.



**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.



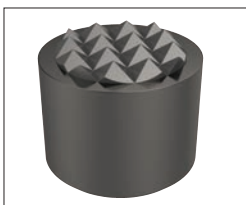
**Soft Urethane Surface**  
Urethane surface is permanently bonded to a 300 series stainless steel pad. The urethane provides excellent protection against damage on delicate work surfaces. Tapped hole mounting.

see our website for our full range:  
[wixroyd.com](http://wixroyd.com)

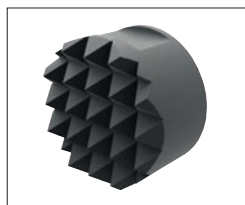
### Grippers



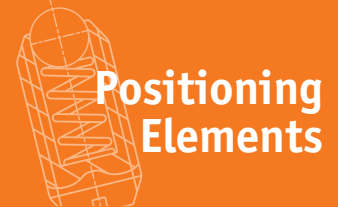
**High Speed Tool Steel**  
Manufactured from M-2 high speed tool steel, hardened to Rc 60/62 with black oxide finish. Mount via tapped hole, counter bored hole or a flat on the outside diameter for set screw mounting.



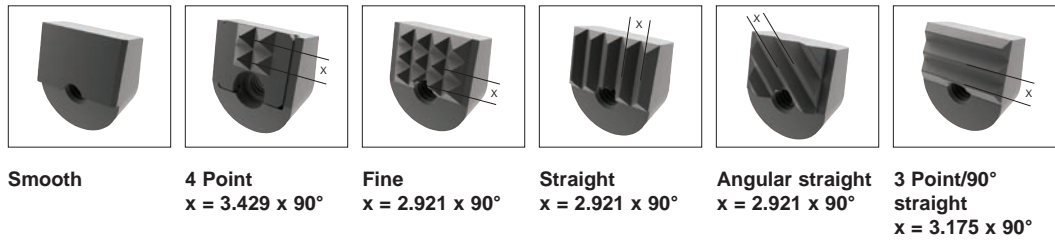
**Carbide Tipped**  
Constructed with high impact carbide pad brazed to a heat treated alloy steel body. Mounts via tapped hole or a flat on the outside diameter for set screw mounting.



**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.

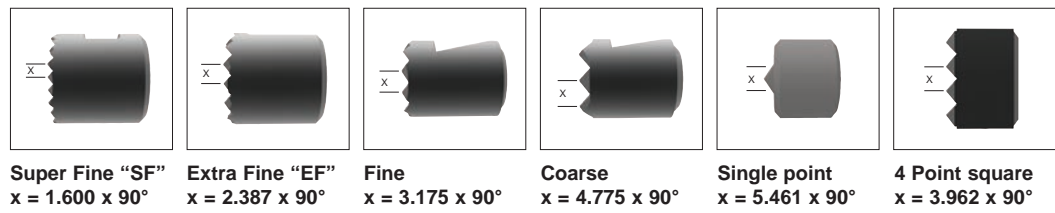


### Tooth Pattern Specifications



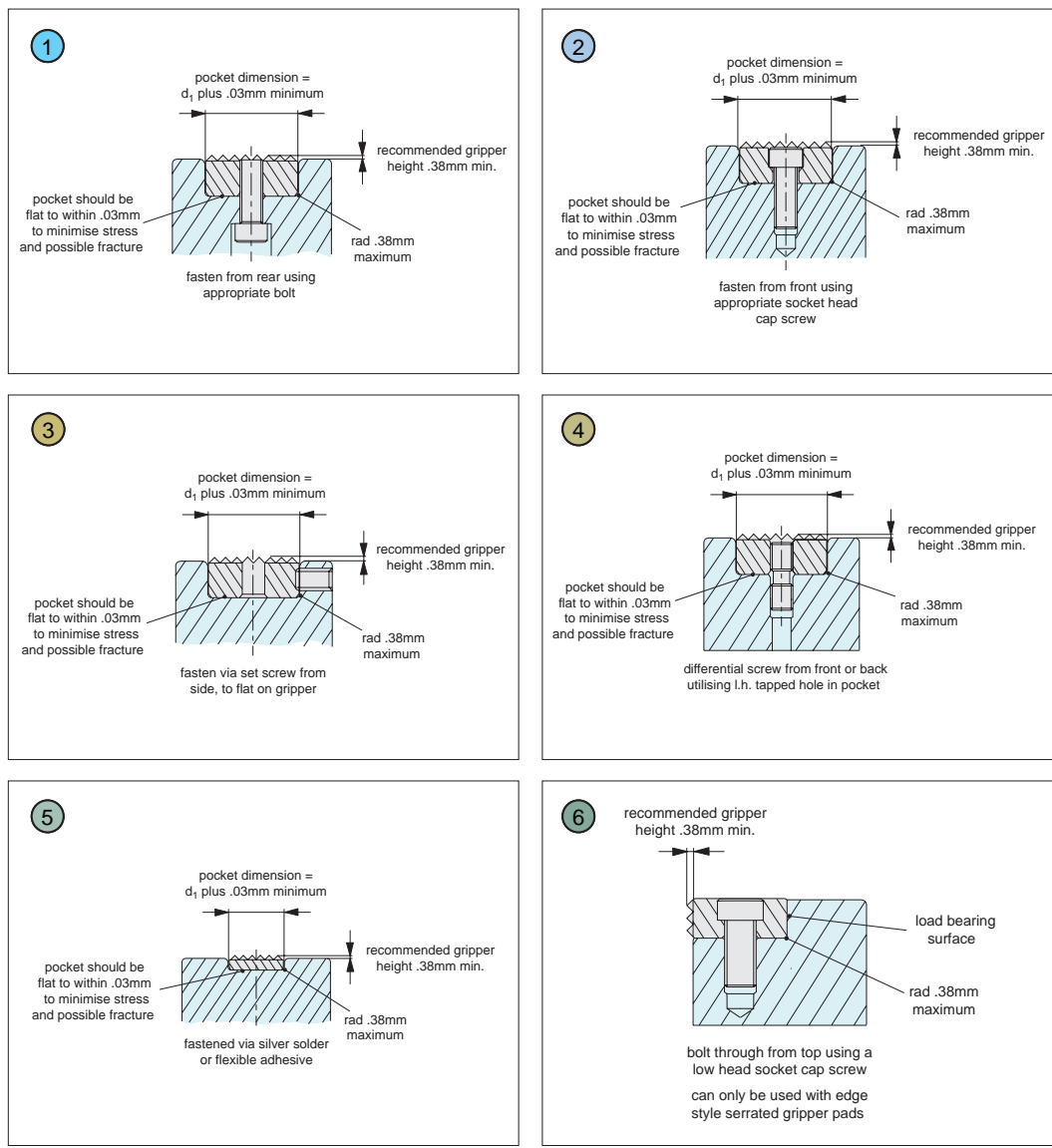
### Angular Grippers

Our carbide and hardened steel grippers are available with a variety of tooth patterns, as specified on the product data tables.



### Round/Square Grippers

### Mounting options



### Mounting Options for Carbide and Hardened Steel Grippers and Inserts.

Our carbide grippers and inserts can be installed in a number of different ways, the most suitable mounting method depends upon the specific insert – please refer to the product data table for specific information.

- 1 Round or square grippers and rest pads with tapped blind-hole or through hole tap.
- 2 Round or square grippers and rest pads with counter-bored hole.
- 3 Round grippers with flat on the O.D. for set screw mounting. Also square gripper mounting.
- 4 Round or square grippers with through tapped hole.
- 5 Round or square carbide pads.
- 6 Counter-bored edge grippers.



**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

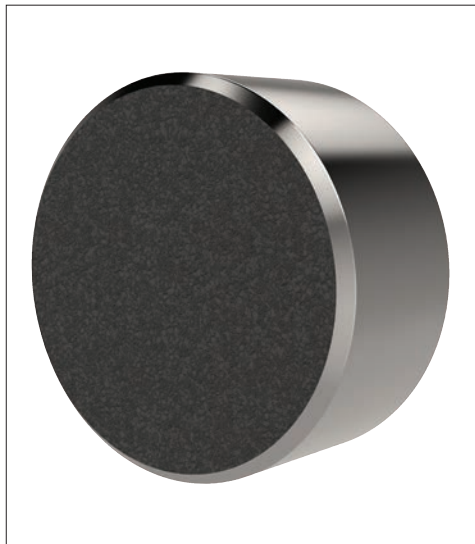


**60 durometer:**  
Car tyre



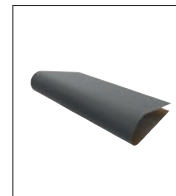
**80 durometer:**  
Skateboard wheel

**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.