

## 12454

MULTI-CLAMPING SYSTEMS

### Material

Jaw: alloy steel, black oxide finish, hardness HRC33-39.

Washer: alloy steel, black oxide finish.

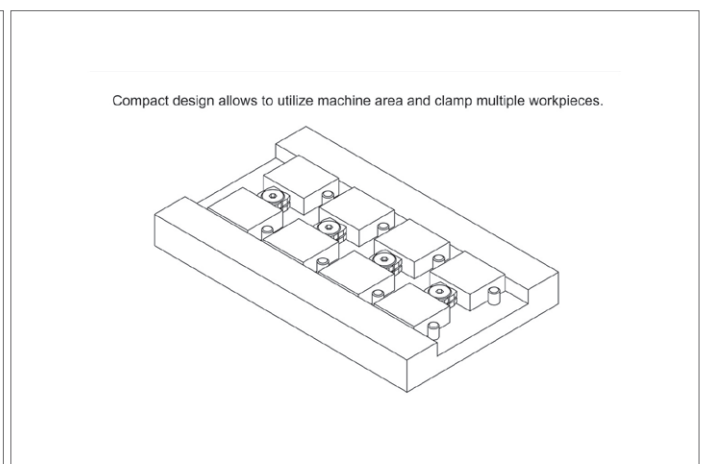
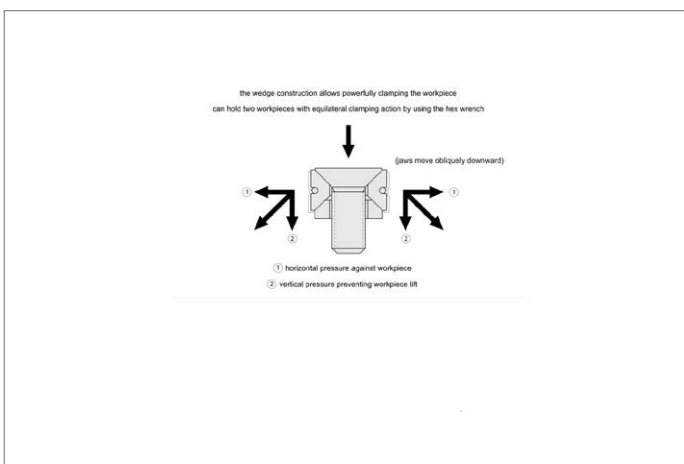
O-ring: fluoro rubber.

### Technical Notes

Compact design for clamping of multiple workpieces. Wedge construction results in powerful clamping and holding of two workpieces with equal clamping force.

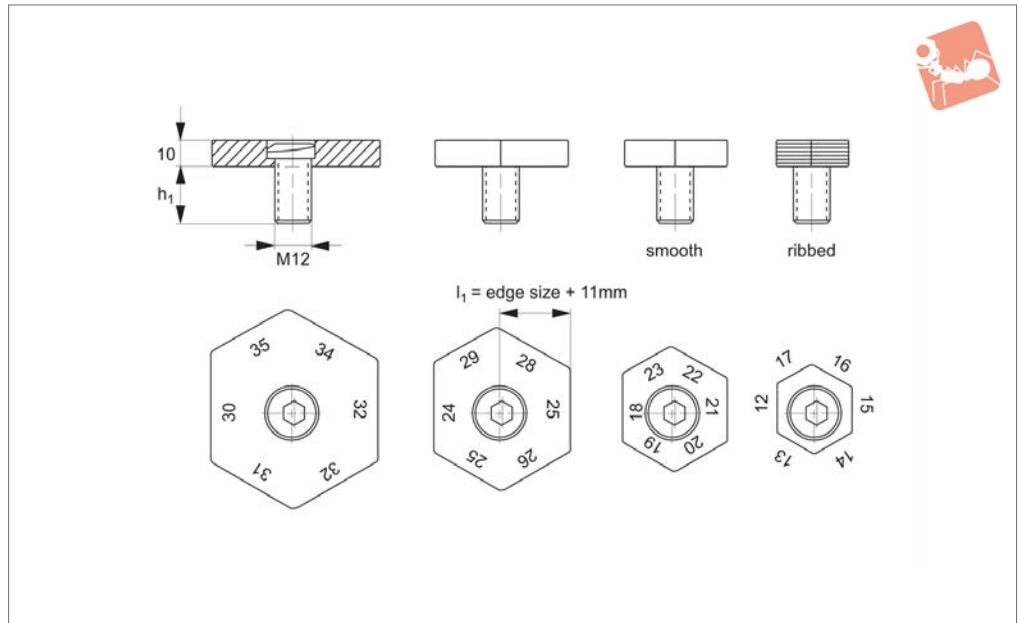
Provides both downward and side clamping force.

Order No.	Type	$l_1$ min.	$l_1$ max.	$h_1$ min.	$h_1$ max.	$h_2$	$h_3$	$w_1$	$w_2$	$w_3$	$d_1$	A/F	Clamping force kN max.	Tightening force Nm max.	Weight g
12454.W0010	Countersunk	12,0	14,0	6,2	7,2	0,3	9,5	12,0	10	3,3	M 5x15	3	2,0	4,3	8
12454.W0012	Countersunk	15,0	17,0	7,5	8,5	0,2	9,3	14,8	12	4,0	M 6x16	4	3,5	7,3	13
12454.W0016	Countersunk	18,5	21,5	9,9	11,4	0,4	11,3	18,4	16	5,3	M 8x20	5	5,0	18,0	27
12454.W0110	Cap Head	12,0	14,0	6,2	7,2	6,2	9,6	12,0	10	3,3	M 5x15	4	3,0	5,4	9
12454.W0112	Cap Head	15,0	17,0	7,5	8,5	7,3	10,2	14,8	12	4,0	M 6x16	5	4,5	9,1	17
12454.W0116	Cap Head	18,5	21,5	9,9	11,4	9,8	14,9	18,4	16	5,3	M 8x20	6	9,0	22,0	30





### 12040



#### Material

Body: steel, hardened and blackened.  
Screw: steel, eccentric, heat treated (10,9) and blackened.

#### Technical Notes

Hexagon clamps actuated by means of an

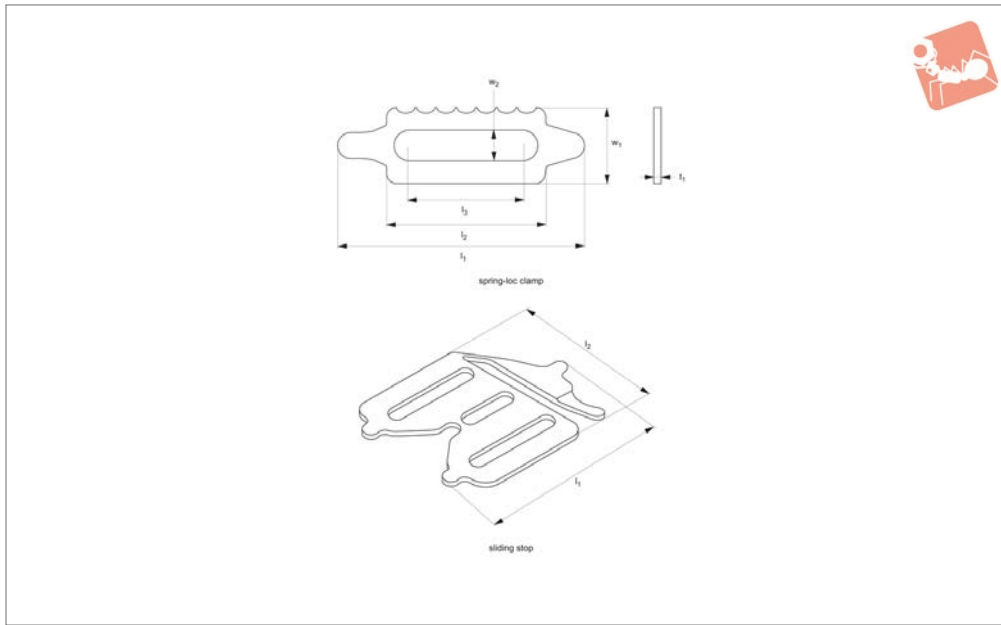
eccentric screw (provided). Available with either smooth or ribbed faces.

#### Tips

Max. clamping section is 25mm. Each of the clamp's faces increases the distance from the centre line by 1mm, thus work-

pieces of varying sizes can be held using just one clamp and is actuated by a simple rotation of the clamp face.  
Reorder screw 12112.W0512.

Order No.	Finish	$h_1$	$l_1$	Clamp stroke	Clamping force kN max.	Weight g
12040.W0002	Clamp, smooth	22	12 - 17	2	18	100
12040.W0004	Clamp, smooth	22	18 - 23	2	18	132
12040.W0006	Clamp, smooth	22	24 - 29	2	18	204
12040.W0008	Clamp, smooth	22	30 - 35	2	18	299
12040.W0012	Clamp, ribbed	22	12 - 17	2	18	77
12040.W0014	Clamp, ribbed	22	18 - 23	2	18	132
12040.W0016	Clamp, ribbed	22	24 - 29	2	18	204
12040.W0018	Clamp, ribbed	22	30 - 35	2	18	299



**12042**

MULTI-CLAMPING SYSTEMS

**Material**

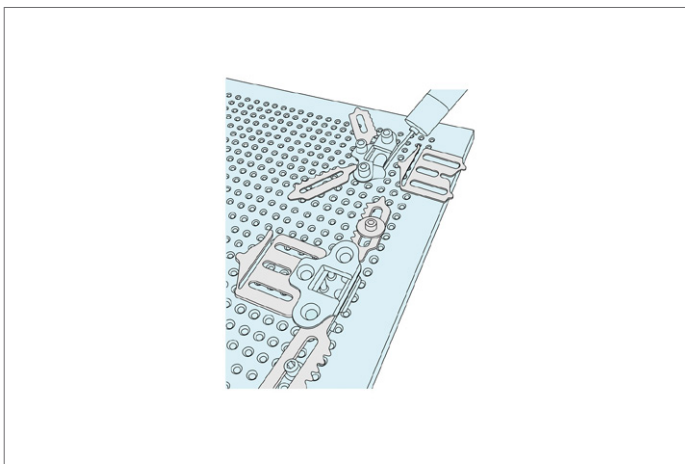
Stainless steel.

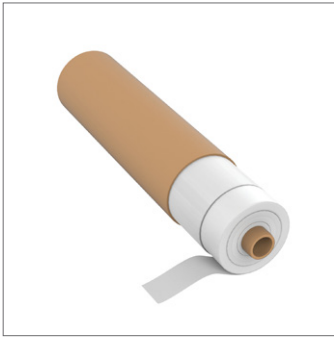
**Technical Notes**

Spring-loc clamp, extremely low profile

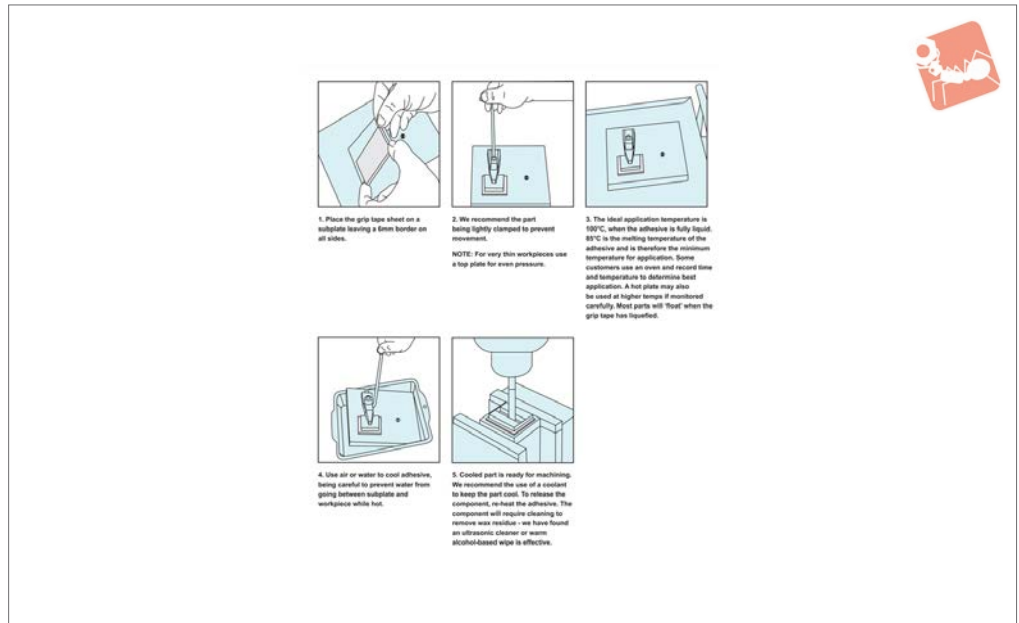
clamp capable of approx. 10lbs of pressure. A quick and flexible approach to holding parts during engraving or vision systems.

Order No.	Description	$l_1$	$l_2$	$l_3$	$w_1$	$w_2$	Qty/pack	Stroke $s_1$	Weight g
12042.W0100	Spring-Loc Clamp	76.2	63.5	-	-	-	2	1.83	113.0
12042.W0200	Sliding Stop	76.2	59.8	38.1	25.4	6.6	4	1.83	82.0





## 10784



### Material

A heat activated, wax-based compound embedded in precision paper. Coated on a nylon mesh or in a stick form.

### Technical Notes

Maintains parallelism on precision parts. Very useful for thin parts, micro-machining, optical and quartz components as well as jewellery related items.

### Tips

Approx. clamping force is 40 PSI.

### Important Notes

1. Place the Mitee-Grip sheet on the subplate leaving a 6mm border on all sides. Melt the wax stick onto the wax subplate.
2. In some cases the part should be lightly clamped to prevent movement. Over thin workpieces, use a top plate for even pressure.
3. Heat parts to between +85°C and +90°C. Heating from the bottom is best.
4. Use air or water to cool, being careful to

prevent water going between subplate and workpiece whilst hot.

5. The part is now ready to machine. Use a coolant to keep it cool. To remove the part, re-heat to between +80°C and +90°C.

Order No.	Description	Size
10784.W0230	Compound	1 Stick
10784.W0235	Compound	3 Sticks
10784.W0240	Paper Roll	305x1524
10784.W0245	Paper Roll	305x7620
10784.W0250	Mesh Roll	254x1524
10784.W0252	Mesh Roll	254x7620