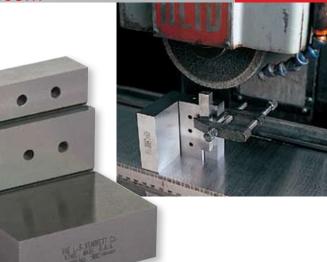


Willrich Precision Ph 866-945-5742 email: sales@willrich.com





## **161 Series Toolmakers' Parallel** Clamps

These parallel clamps are designed for maximum strength and rigidity. They are extremely useful for holding work together in tapping and drilling and on various machine setups. The ends of the jaws are rounded to permit clamping under shoulders or in recesses.

A retaining ring holds the loose jaw in alignment when the clamp is being opened or closed. The clamps are made of steel, nicely finished and hardened.

## **580 Precision Angle Plate**

These angle plates are invaluable for accurate work in toolroom and small production applications when flatness, squareness and parallelism is important.

- Hardened and tempered steel
- · Precision ground, square and parallel
- Convenient step for smaller work 3/4" (19mm) down from the top and a 1/4" (6.35mm) seat
- 10 holes tapped with a 1/4-20 thread for fastening to fixtures and clamping work to the angle plate

161 Toolmakers' Parallel Clamps										
Capacity	Approximate Throat Depth									
Inch	mm	Inch		mm		Description		Catalog No.		EDP
3/4"	19mm	21/32"		16.5mm		Single Clamp		161AA		50593
1-1/4"	32mm	13/16"		20.5mm				161A		50594
1-3/4"	44mm	1"		25mm				161B		50595
2-1/4"	57mm	1-7/32"		30mm				161C		50596
2-3/4"	70mm	1-25/32"		45mm				161D		50597
3-1/2"	89mm	2-1/4"		57mm				161E		50598
54 Hold-Downs										
Length		Width								
Inch	mm		Inch		mm		Catalog No.		EDP	
4"	100mm	100mm 27/32"		21mr		n	54A (Pair)		50274	
580 Precision Angle Plate										
Size/Description							Catalog No.		EDP	
3" x 3" x 3" (75 x 75 x 75mm) Angle Plate								580 649		61



## **54 Series Hold-Downs**

- · Improved design firmly holds work flat on a machine bed or in a vise
- Contact edges are tapered to hold work securely and force it downward to the bed of the machine or against any parallel surface
- Especially useful for holding small work or thin materials without distortion
- · Made of tool steel, hardened and ground