



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		Description	Catalog No.	EDP
Inch	mm	Inch	mm			
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		Catalog No.	EDP
Inch	mm	Inch	mm		
4"	100mm	27/32"	21mm	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	64961



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