

Patternmakers' Needs



Patternmakers' Apron



Long Lasting with Three Pockets

This Patternmakers' Apron is made of long wearing, off-white, double-stretch duck cloth. There are two chest pockets and one hip pocket. The ties resist hard wear and are securely sewn.

Description	Catalog Number
Patternmakers' Apron	990-A01

To order specify catalog number and quantity desired.

New Patternmakers' Manual

This new volume was compiled and edited under the supervision of the Tooling and Pattern Committee of the American Foundrymen's Society. It is a complete one-source patternmaking manual for the practicing patternmaker and contains the latest information including data on rapid prototyping. Contained in this book are tables, rules and basic data on subjects such as patternmaking and foundry terms, safety in the pattern shop, patternmaking equipment, pattern allowances, coatings, plastics, production pattern and core-blowing equipment, engineering aids, as well as machine tools for wood and metal patternmaking. (Non-returnable.)



To order specify catalog number and quantity desired.

Description	Catalog Number
Patternmakers' Manual	990-M01

Patternmakers' Guide by Ed Hamilton, 2nd Edition

This renowned Guide is a total overview of the pattern making process. It is an essential primer for those just entering the pattern making industry, or anyone who wants a standby reference. Among the topics covered are flasks, types of molding machines, filling and feeding, corebox production and pattern engineering. A useful appendix includes a table of weights of materials,

standard formulas, a table of conversions and tables of machine screw data — 8-1/2 x 11, hardcover, 416 pages. Written by the late Ed Hamilton, an acknowledged expert on pattern making. For a complete library on pattern making, order this book, along with the Patternmakers' Manual above. (Non-returnable.)

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Description	Catalog Number
Patternmakers' Guide	N/A

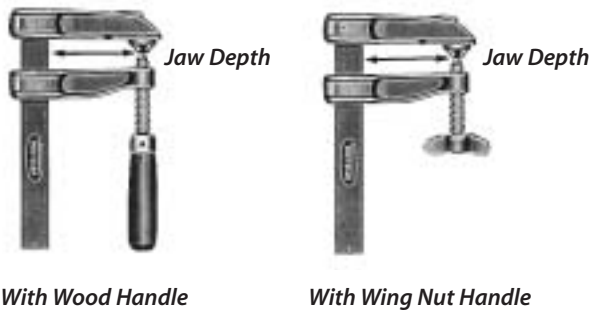


Clamps

Quick Action Clamps

With Either Wood or Wing Nut Handles

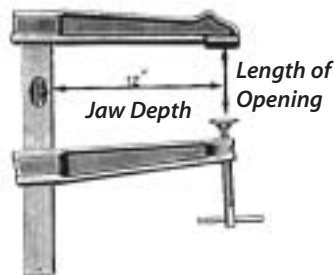
Quick Action Clamps are made from high grade malleable iron. The bar is a special quality, high-carbon spring steel and the screw is made from cold drawn steel with a deep cut Acme thread. These clamps are available with either a smooth, high-grade wood handle with the ferrule securely riveted, or a metal wing nut handle for metal and welding operations.



Deep-Throat Clamps

Extra Deep Throat for Holding Larger Work Pieces

These clamps have a 12" clamping depth for holding oversize pieces. The bar is 2" x 5/16" high quality high-carbon spring steel. It is equipped with a 3/4" diameter screw made of cold drawn steel with a deep cut Acme thread. The handle is available in wood or a sliding pin. The clamps are made in two styles: Regular or Heavy Duty.



Style	Length of Opening (Inches)	Catalog Number	
		Wood Handle (Regular)	Wing Nut Handle (Heavy Duty)
No. 1200 12" Jaw Depth	8	825-CQ1208MW	825-CQ1208
	12	825-CQ1212MW	825-CQ1212
	18	825-CQ1218MW	825-CQ1218
	24	825-CQ1224MW	825-CQ1224
	36	825-CQ1236MW	825-CQ1236
	48	825-CQ1248MW	825-CQ1248
	60	825-CQ1260MW	825-CQ1260

Style	Length of Opening (Inches)	Catalog Number	
		Wood Handle (Regular)	Wing Nut Handle (Heavy Duty)
No. 2HW (Heavy) 2" Jaw Depth	6	825-CQ2H06W	825-CQ2H06S
	8	825-CQ2H08W	825-CQ2H08S
	12	825-CQ2H12W	825-CQ2H12S
	18	825-CQ2H18W	825-CQ2H18S
	24	825-CQ2H24W	825-CQ2H24S
	30	825-CQ2H30W	825-CQ2H30S
	36	825-CQ2H36W	825-CQ2H36S
No. 3 3" Jaw Depth	6	825-CQ306W	825-CQ306S
	8	825-CQ308W	825-CQ308S
	12	825-CQ312W	825-CQ312S
	18	825-CQ318W	825-CQ318S
	24	825-CQ324W	825-CQ324S
	30	825-CQ330W	825-CQ330S
	36	825-CQ336W	825-CQ336S
No. 4 4" Jaw Depth	6	825-CQ406W	825-CQ406S
	8	825-CQ408W	825-CQ408S
	12	825-CQ412W	825-CQ412S
	18	825-CQ418W	825-CQ418S
	24	825-CQ424W	825-CQ424S
	30	825-CQ430W	825-CQ430S
	36	825-CQ436W	825-CQ436S
	48	825-CQ448W	825-CQ448S
No. 5 5" Jaw Depth	8	825-CQ508W	825-CQ508S
	12	825-CQ512W	825-CQ512S
	18	825-CQ518W	825-CQ518S
	24	825-CQ524W	825-CQ524S
	30	825-CQ530W	825-CQ530S
	36	825-CQ536W	825-CQ536S
	48	825-CQ548W	825-CQ548S
	60	825-CQ560W	825-CQ560S
No. 7 7" Jaw Depth	8	825-CQ708W	825-CQ708S
	12	825-CQ712W	825-CQ712S
	18	825-CQ718W	825-CQ718S
	24	825-CQ724W	825-CQ724S
	30	825-CQ730W	825-CQ730S
	36	825-CQ736W	825-CQ736S
	48	825-CQ748W	825-CQ748S
	60	825-CQ760W	825-CQ760S

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