



# Bulbs and Files

## Core Paste Bulb

### Long Wearing, Withstands Abuse

The Core Paste Bulb is long wearing, with a 14-ounce capacity. The heavy duty brass nozzle is a die cast machine-threaded cone which will withstand much abuse.



Description	Catalog Number
Core Paste Bulb with Nozzle	830-11C
Nozzle Only	830-11N

To order specify catalog number and quantity required.

## Water Bulb Brush

### For Accurate Sand Moistening

The camel hair brush telescopes into the brass sleeve of the water bulb and provides just the right amount of water for moistening sand to assure proper hardness and to prevent weak edges. The brush can be reversed into the 14-ounce capacity rubber bulb for extra protection.



Description	Catalog Number
Water Bulb with Brush	830-12C
Brush Only	830-12B

## Foundry Abrasive Core Files

### For Cleaning Foundry Cores



Foundry Abrasive Core Files are used for cleaning foundry cores. These flat files are made of a strong fiberglass reinforced silicon carbide abrasive resin bond material.

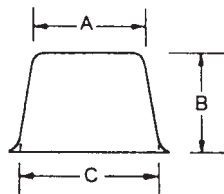
To order specify catalog number and quantity required.

Length	Size (Inches)		Catalog Number
	Width	Thickness	
8	1/2	1/8	821-C080102
9	1	1/8	821-C090202
	1	1/4	821-C090204
	1	1/2	821-C090208
10	1	1/2	821-C100208
	2	1/2	821-C100408
12	1	1/8	821-C120202
	1	1/4	821-C120204
	1	1/2	821-C120208
	2	1/4	821-C120404
	2	1/2	821-C120408

## Flex-Gate Plastic for Gates

### Replace Wood Gates on Patterns

Flex-Gate is a strong, resilient, flexible plastic for use instead of wood gates on patterns. It can be sawed or cut with a knife and then fastened to the pattern by any standard method (nails, screws, glue). Its concave base holds it securely on the pattern. Since it does not break or tear, it can be removed and reused.



To Order Specify: (1) Number of Yards  
(2) Catalog Number

## Flex-Gate

(available in three-foot lengths)

Dimensions	Sizes (Inches)		
	Catalog Number		
	990-F0208 No. 8	990-F0216 No. 16	990-F0220 No. 20
A	1/2	5/8	1
B	1/2	3/4	3/4
C	5/8	1	1-1/4

## Blow Plate Gaskets

The easy way to increase core production by preventing blow-by between the core box and blow plate. Adhesive also available. See Page 111.

# Master™ Tubular Sprue Cutters



## Protects the Molder's Hands

The welded seam construction and machine beaded top of these sprue cutters protect the molder's hands. They are available

in the dimensions listed below. Other diameters and lengths not listed are available on special order. Non-returnable.

### Tapered



Tapered Tubular Sprue Cutters cut sprues and riser holes and then are withdrawn from the mold leaving a clean, smooth hole to ensure cleaner castings. They are available in either brass or steel.

### Tapered Brass or Steel Sprue Cutters

Length (Inches)	Material	Catalog Numbers								
		Diameter at Small End (Inches)								
		1/2	5/8	3/4	7/8	1	1-1/4	1-1/2	1-3/4	2
6	Brass	880-BT0806	880-BT1006	880-BT1206	880-BT1406	880-BT1606	880-BT2006	880-BT2406	880-BT2806	880-BT3206
	Steel	880-ST0806	—	880-ST1206	—	880-ST1606	880-ST2006	880-ST2406	880-ST2806	880-ST3206
7	Brass	880-BT0807	880-BT1007	880-BT1207	880-BT1407	880-BT1607	880-BT2007	880-BT2407	880-BT2807	880-BT3207
	Steel	880-ST0807	—	880-ST1207	—	880-ST1607	880-ST2007	880-ST2407	880-ST2807	880-ST3207
8	Brass	880-BT0808	880-BT1008	880-BT1208	880-BT1408	880-BT1608	880-BT2008	880-BT2408	880-BT2808	880-BT3208
	Steel	880-ST0808	—	880-ST1208	—	880-ST1608	880-ST2008	880-ST2408	880-ST2808	880-ST3208
9	Brass	880-BT0809	880-BT1009	880-BT1209	880-BT1409	880-BT1609	880-BT2009	880-BT2409	880-BT2809	880-BT3209
	Steel	880-ST0809	—	880-ST1209	—	880-ST1609	880-ST2009	880-ST2409	880-ST2809	880-ST3209
10	Brass	880-BT0810	880-BT1010	880-BT1210	880-BT1410	880-BT1610	880-BT2010	880-BT2410	880-BT2810	880-BT3210
	Steel	880-ST0810	—	880-ST1210	—	880-ST1610	880-ST2010	880-ST2410	880-ST2810	880-ST3210
12	Brass	880-BT0812	880-BT1012	880-BT1212	880-BT1412	880-BT1612	880-BT2012	880-BT2412	880-BT2812	880-BT3212
	Steel	880-ST0812	—	880-ST1212	—	880-ST1612	880-ST2012	880-ST2412	880-ST2812	880-ST3212
14	Brass	880-BT0814	880-BT1014	880-BT1214	880-BT1414	880-BT1614	880-BT2014	880-BT2414	880-BT2814	880-BT3214
	Steel	880-ST0814	—	880-ST1214	—	880-ST1614	880-ST2014	880-ST2414	880-ST2814	880-ST3214
16	Brass	880-BT0816	880-BT1016	880-BT1216	880-BT1416	880-BT1616	880-BT2016	880-BT2416	880-BT2816	880-BT3216
	Steel	880-ST0816	—	880-ST1216	—	880-ST1616	880-ST2016	880-ST2416	880-ST2816	880-ST3216

### Straight



Straight Sprue Cutters are similar to the tapered cutters but are made for jobs that require straight sided sprues and risers. They are available in brass only.

### Straight Brass Sprue Cutters

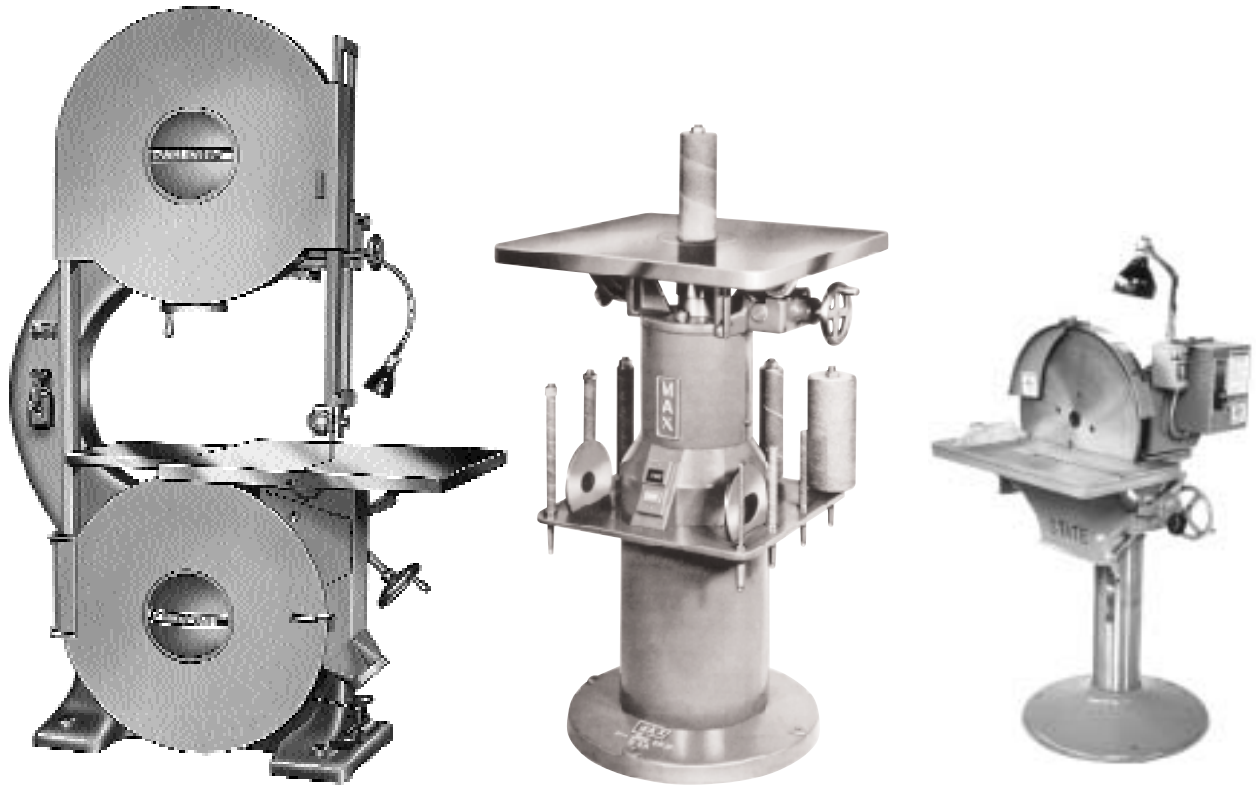
Length (Inches)	Catalog Numbers						
	Diameter (Inches)						
	3/4	1	1-1/4	1-1/2	2	2-1/2	3
8	880-BS1208	880-BS1608	880-BS2008	880-BS2408	880-BS3208	880-BS4008	880-BS4808
9	880-BS1209	880-BS1609	880-BS2009	880-BS2409	880-BS3209	880-BS4009	880-BS4809
10	880-BS1210	880-BS1610	880-BS2010	880-BS2410	880-BS3210	880-BS4010	880-BS4810
12	880-BS1212	880-BS1612	880-BS2012	880-BS2412	880-BS3212	880-BS4012	880-BS4812
14	880-BS1214	880-BS1614	880-BS2014	880-BS2414	880-BS3214	880-BS4014	880-BS4814
16	880-BS1216	880-BS1616	880-BS2016	880-BS2416	880-BS3216	880-BS4016	880-BS4816

Pattern Shop Tools



## Pattern Shop Machinery

Pattern Shop Machinery



The pattern shop machinery cataloged here has been carefully selected by the Kindt-Collins engineering and purchasing staff to best meet the exacting demands of pattern shop personnel. If you cannot locate the equipment you need, call us on our toll free phone at 1-800-321-3170 and we can probably locate it for you. We are agents for the finest names in the industry. Our experienced staff has access to many items that we did not include due to space limitations. Let Kindt-Collins be your reliable source for dependable pattern shop machines and equipment.