



# Split Bushings, Spacers and Sleeves

---

*The cost-effective alternative to expensive cut-off tubing, powdered metal parts, screw machine and molded plastic parts.*

## **BAKER** A Heritage of Superior Quality and Service

Superior quality and service at a very competitive price have been the Baker hallmark since our founding more than 90 years ago.

Expanding upon that reputation for excellence and expertise, our tool and die makers developed our automated tube forming process in the 1950's.

Today, a third generation of family management is setting even higher quality and service standards for our customers... large and small.

## **BAKER** Demanding the Highest Standards for Ourselves and Our Suppliers

## **BAKER** A Part of Your Team, Helping You:

### **Reduce Overall Costs**

Our tubular metal parts can save you 30% or more over the alternatives.

### **Eliminate Tooling Costs**

Our large inventory of dies and stock tooling provides numerous combinations of inside and outside diameters, in inch or metric dimensions.

### **Reduce Inventory Expense**

Just-in-Time deliveries and Bar Coding are available.

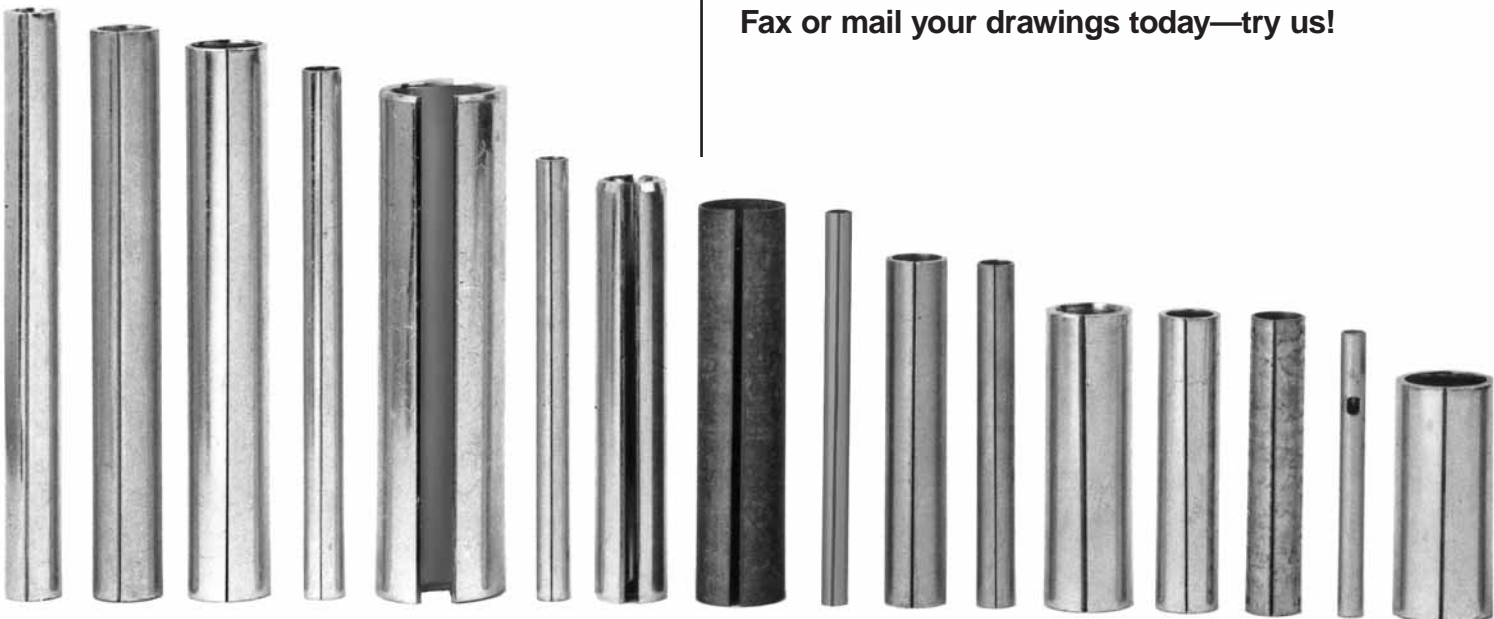
### **Minimize Rejects**

Our Total Quality Program includes Statistical Process Controls, Certifications and Traceability.

### **Develop New Products**

Use our years of experience to assist you as you design or improve your products.

**Fax or mail your drawings today—try us!**





## Representative Industries

Baker products are chosen by many industries, including:

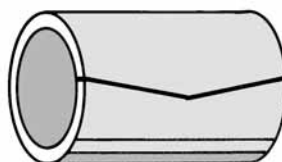
- Appliance
- Automotive
- Air Conditioning
- Construction
- Conveyor
- Door
- Electrical
- Farm Equipment
- Lawn & Garden Equipment
- Metal Furniture
- Recreation
- Toy

## Specifications

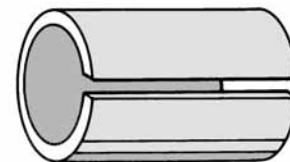
Baker products are made to your engineering requirements and specifications:

- Inside Diameter
- Outside Diameter
- Length
- Wall Thickness
- Material
- Tolerances
- Finish
- Special Features

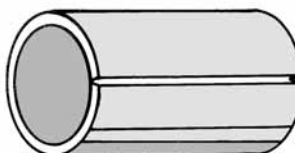
## Types of Seams



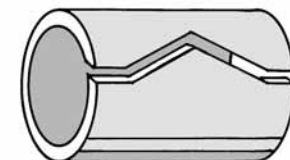
*V Shaped Seam-  
Closed or Open*



*Straight Open  
Seam*

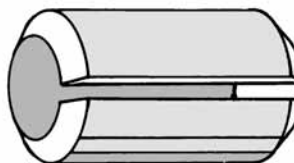


*Tight Seam at I.D.*

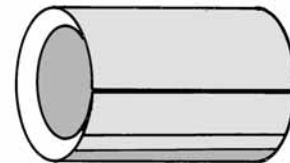


*Variation of  
V Shaped Seam*

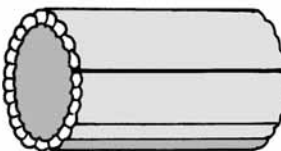
## Special Features



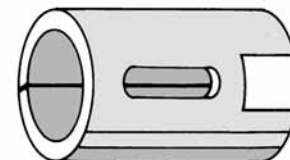
*O.D. Chamfered —  
Closed or Open*



*I.D. Chamfered  
Seam*



*Ends Serrated*



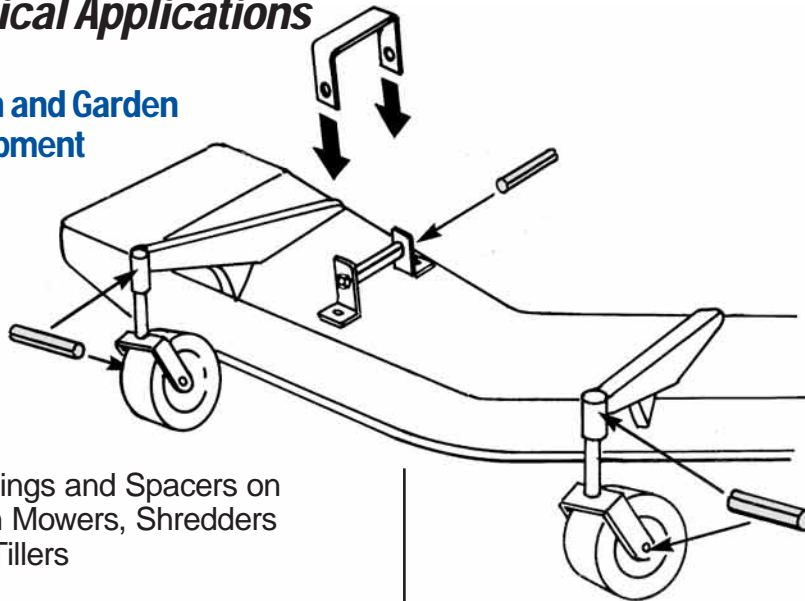
*Holes, Slots and  
End Cut-Outs*



# Split Seam Parts

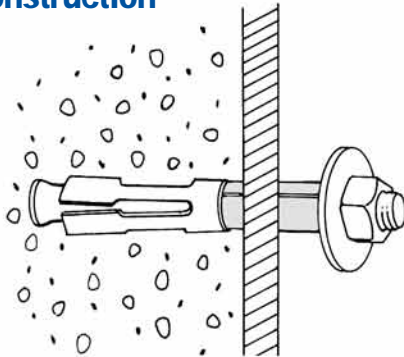
## Typical Applications

### Lawn and Garden Equipment



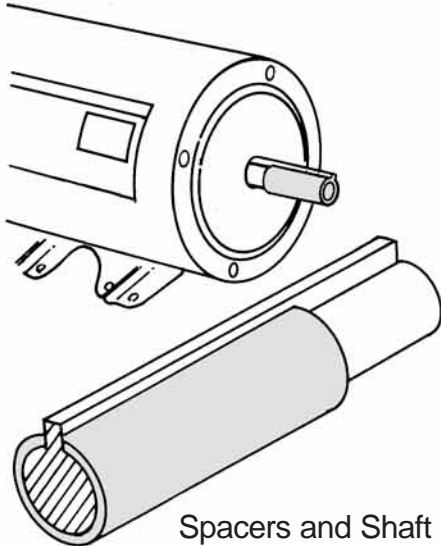
Bushings and Spacers on Lawn Mowers, Shredders and Tillers

### Construction



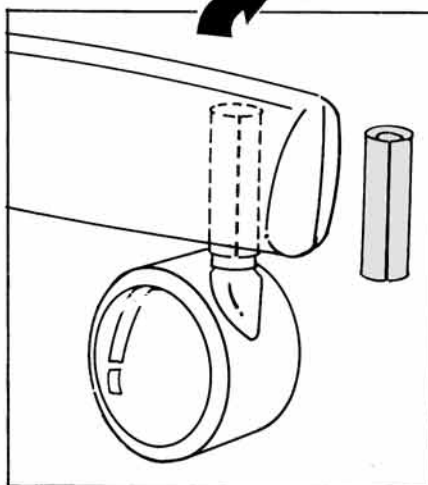
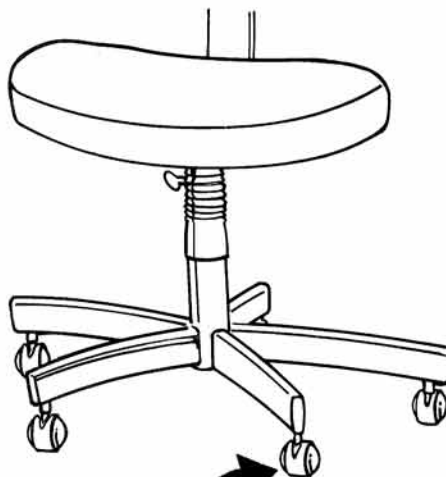
Extension Sleeves for Expansion Anchors

### Electric Motors



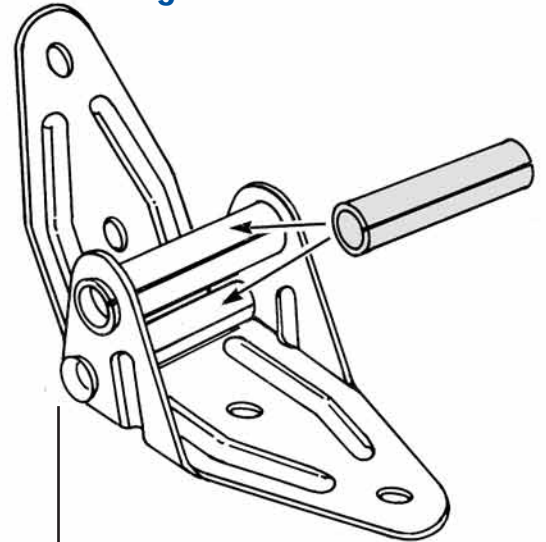
Spacers and Shaft Adapter Bushings for Pulleys

### Metal Furniture



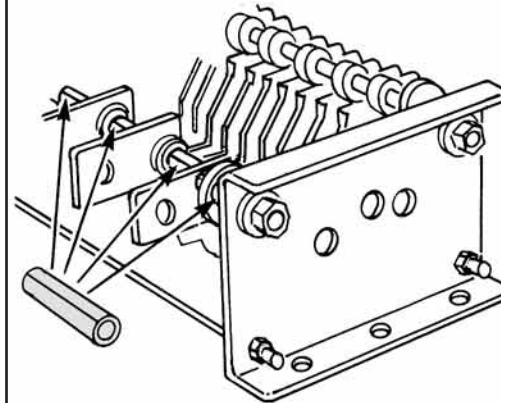
Sockets for Caster Wheel Stems

### Garage and Truck Doors



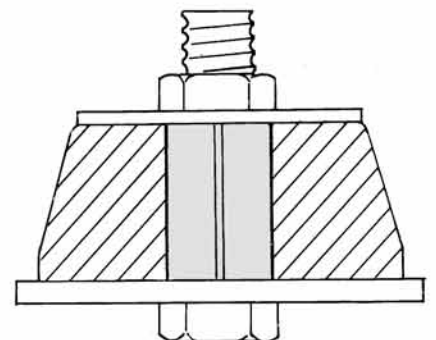
Hinge Tubes and Spacers

### Electrical Controls



Spacer Applications

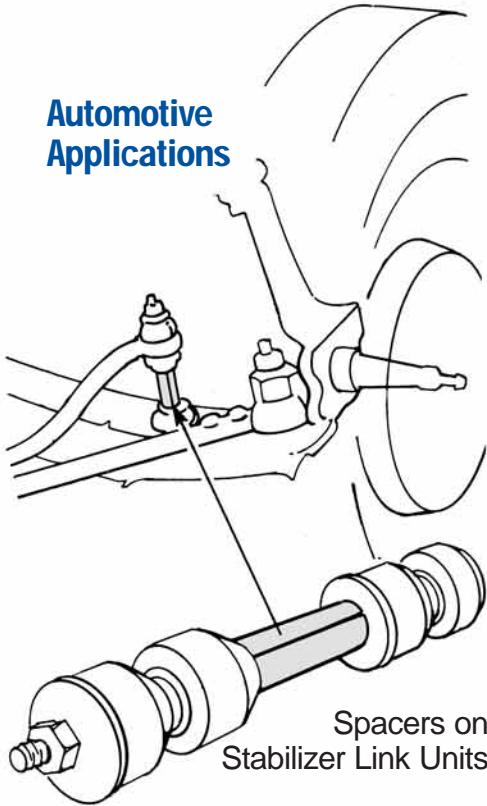
### Vibration Isolators



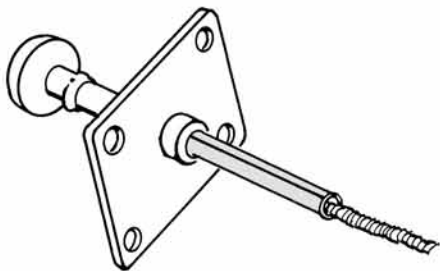
Sleeves in Rubber Grommets for Air Conditioner Compressors



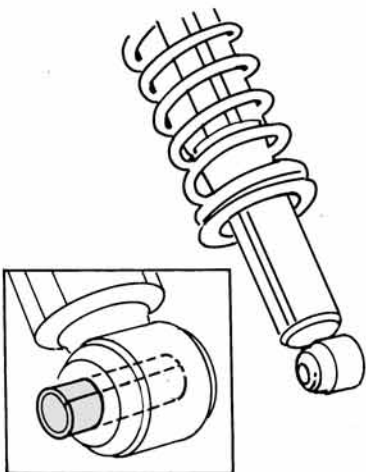
### Automotive Applications



Spacers on Stabilizer Link Units

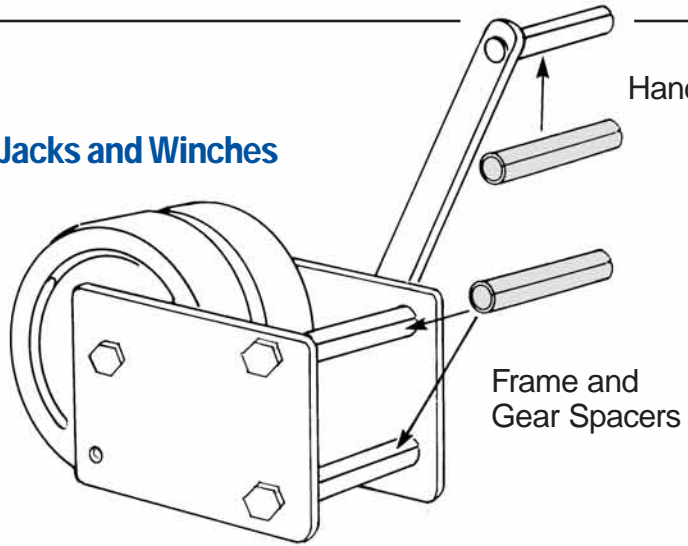


Guide Tubes for Remote Control

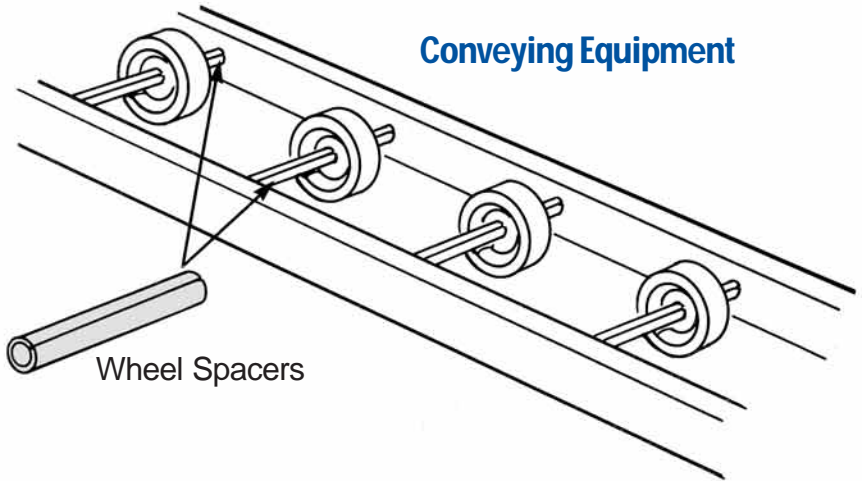


Sleeves in Rubber Grommets on Shock Absorbers

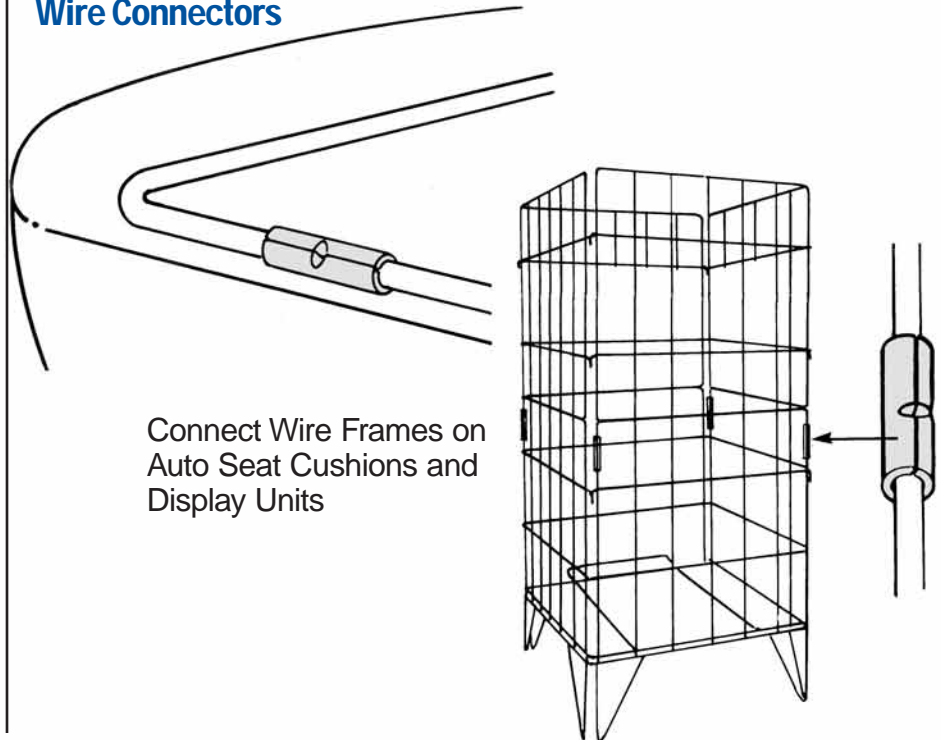
### Jacks and Winches



### Conveying Equipment



### Wire Connectors



# Spring Bushings and Dowels

Baker produces bushings, dowels and sleeves to your specifications on existing tooling, in inch or metric dimensions. To satisfy your requirements specify high or low carbon steel, stainless steel, or other metals in soft to spring temper. Various finishes are available.

Chamfered ends and interlocking seams are especially well-suited for installation in automated processes.

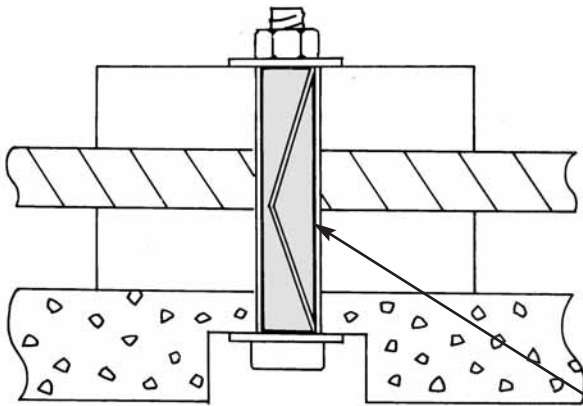
Seams can be straight or V-shaped, open or closed, according to your specifications.

Some advantages of these Baker products are:

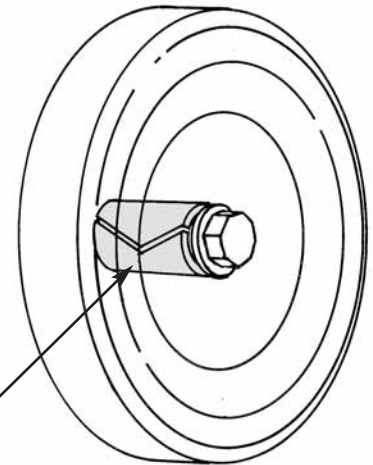
- Alignment and location of component parts
- Added strength
- Reinforcement of softer materials in assemblies
- Wear resistance
- Reusability

## Range Chart

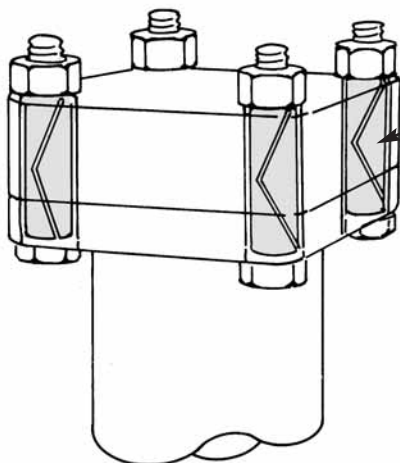
O.D.	.250"- .650"
Length	.500"- 2.00"
Wall	.028"- .058"
Minimum Quantity	25,000



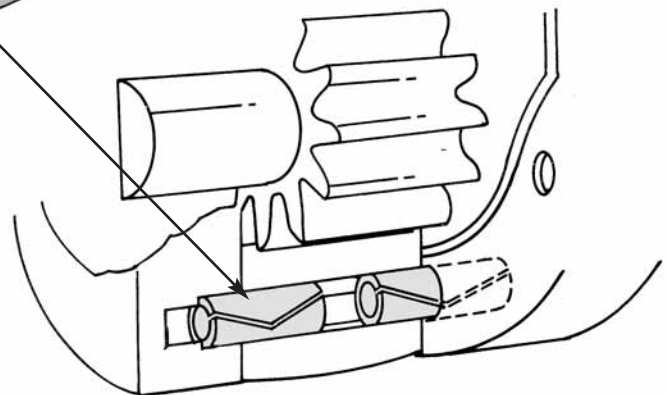
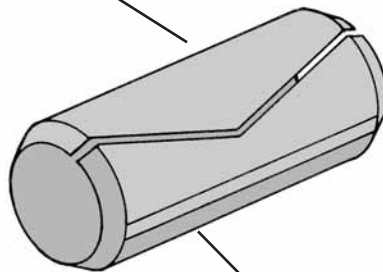
*Bushings help locate bolt and protect brittle or softer material from excess pressure when nut is tightly torqued.*



*Sleeves add strength to I.D. of plastic wheel and provide wear resistance.*



*Bushings assist in locating bolts and provide additional strength to assembly.*



*Hollow dowels accurately align components for easy installation of bolts.*

# Special Size Spring Pins

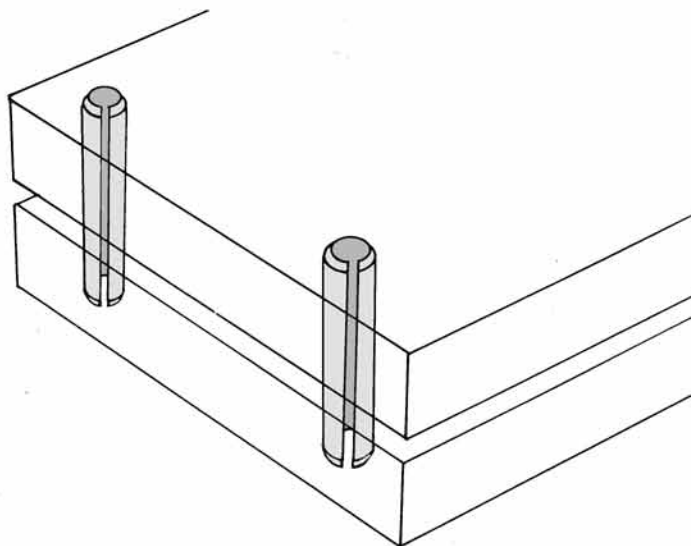


## When standard size spring pins won't do the job...

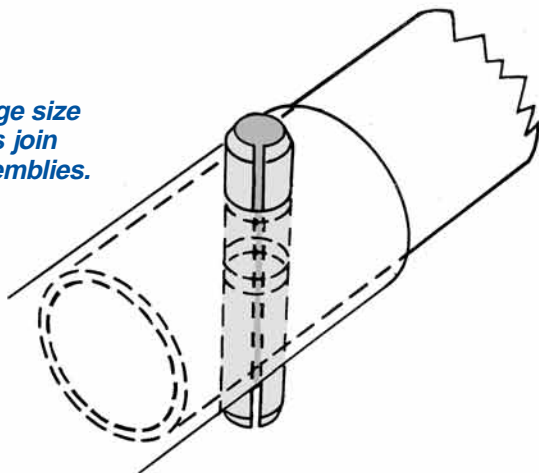
Baker can produce many *special sizes* on existing tooling. The variation can be in the outside diameter, wall thickness, length—or in all three dimensions, whether inch or metric.

Sizes range up to 1" O.D. x 5" long x .125 wall. Minimum quantity is 10,000.

**Send us your engineering requirements (special sizes only).**



**Special large size spring pins join heavy assemblies.**



Our slotted, tubular pins are chamfered and formed in our standard automated process. They can be produced from high carbon steel or stainless steel in a variety of finishes.

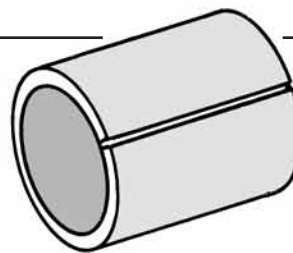
Spring pins are an economical fastener. Pins are made to an O.D. larger than the hole into which they will be inserted. Heat treating produces a spring temper in the pin, creating radial pressures when the pin is compressed into the specified hole. This pressure keeps the pin in place.

Parts are made to your special size specifications...always.

## Metal Raschig Rings

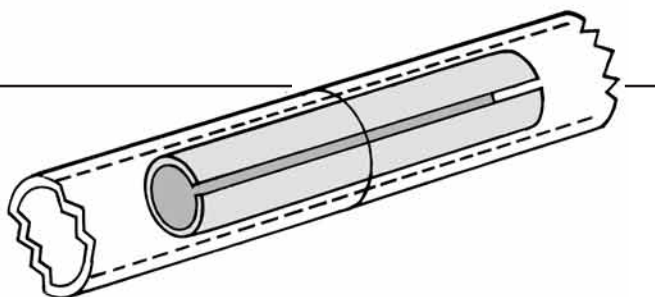
### Tower packings 101 chemical industry and refineries

- Made from most metals
- Sizes from 1/4" to 1-1/8"
- Formed on stock dies
- Prompt delivery



## Tubing Connectors

Save by using split seam tubes to connect pipe or tubing from either inside or outside. Specify I.D. or O.D., length, wall thickness, type of metal, finish, and special features such as open or closed seams, soft or spring temper.



# Superior Quality and Service Since 1899

*We are large enough to offer production runs in the millions, but small enough to respond quickly to all of your special needs.*

## Information and Specifications

### SIZE RANGES

Length .250" to 6.00"  
I.D. .109" to 1.530"  
O.D.. .171" to 1.750"  
Wall .020" to .187"

### TOLERANCE RANGES

Length ± .005" to .015"  
I.D. ± .005" to .010"  
O.D. ± .005" to .015"

### MATERIALS

Aluminum, low carbon and spring steel, stainless steel

### FINISHES

Zinc, phosphate, nickel, brass and others

### HEAT TREATING – CENTERLESS GRINDING

To your specifications

### TOTAL QUALITY PROGRAM

Statistical Process Control, Certification, Documentation, and Traceability

To request a quotation or place an order, please call, fax, or mail your specifications, including inside diameter; outside diameter, length, wall thickness, material, finish, and special features. Minimum quantity 25,000 pieces.

Call us for additional information or assistance: 1-800-354-8482

## SUGGESTED STANDARD SPACERS

BOLTS or SCREWS		SPACERS		
SIZE	NOMINAL DIAMETER	MINIMUM I.D.	WALL THICKNESS RANGE	LENGTH RANGE
4	.112	.118	.024-.028	1/2"-4 1/2"
6	.138	.141	.024-.042	1/2"-4 1/2"
8	.164	.170	.028-.048	1/2"-4 1/2"
10	.190	.196	.028-.048	1/2"-4 1/2"
1/4"	.250	.258	.028-.060	1/2"-6"
5/16"	.312	.320	.028-.060	1/2"-6"
3/8"	.375	.383	.028-.090	1/2"-6"
7/16"	.437	.447	.028-.090	1/2"-6"
1/2"	.500	.510	.028-.090	1/2"-6"
5/8"	.625	.635	.048-.125	1/2"-6"
3/4"	.750	.760	.048-.125	1/2"-6"
7/8"	.875	.885	.048-.125	1/2"-6"
1"	1.000	1.010	.060-.125	1/2"-6"



REPRESENTED BY

The W.J. Baker Company, Inc.  
120 South St., Wilder, Kentucky 41071  
Telephone: 859-261-8482  
Toll Free: 800-354-8482  
Fax: 859-261-7474  
www.bakertubular.com