

Metric Conversions

MM	x	0.03937	=	Inches
Inches	x	25.4	=	MM
Grams	x	0.03527	=	Ounces
Ounces	x	28.349527	=	Grams

EAGLE ROCK[®]
TECHNOLOGIES

Wettstein Tool[™]

Turning Accessories

No. A1-51

5C Expanding Collets

The most effective and accurate means of internal chucking for short runs to mass production. Features a solid, one piece body for maximum rigidity and repeatability. Once seated in the spindle and machined to size, these collets can hold concentricity well within .0005". Applicable on any machine or fixture with a 5C spindle. Machinable to any configuration within their stock and minimum machinable diameters.

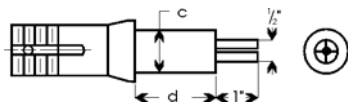
Collets with diameters 4" and larger feature our exclusive lock ring for greater stability and accuracy while machining to their specific application.

Toolcrib Classics[™]

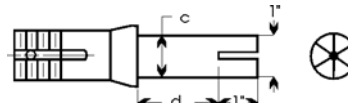


Extended 5C Expanding Collets —

Made for holding delicate or long and narrow parts or where machine clearance is an issue. Machinable to any dimension within their range, only the front (1" long) expands.



No. A1-51-5C-0500-2000
No. A1-51-5C-0500-3000



No. A1-51-5C-1000-2000
No. A1-51-5C-1000-3000

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One Eagle Rock Drive
Bath, Pennsylvania
18014-9648

*Manufacturers of Specialty
Tooling and Accessories since 1963*

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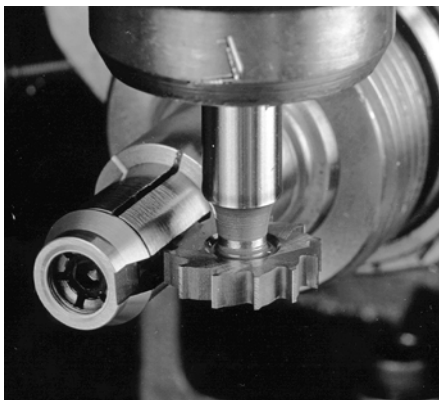
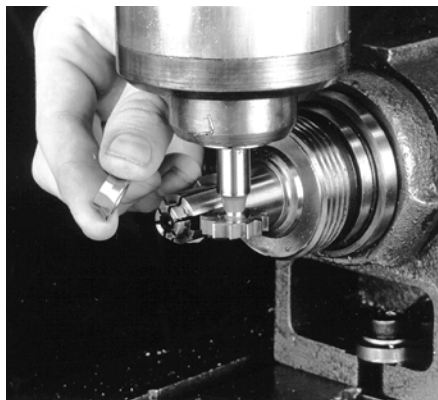
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TECHNOLOGIES

Wettstein Tool[™]

Turning Accessories

No. A1-51 (continued)



a Dia.	b Lgth.	Minimum Machinable Dia.	c Ext. Dia.	d Ext. Lgth.	Minimum Ext. Dia.	Cat. No.
1/2"	1"	.250"	—	—	—	A1-51-5C-0500-1000
1/2"	2"	.250"	1"	1"	.750"	A1-51-5C-0500-2000
1/2"	3"	.250"	1"	2"	.750"	A1-51-5C-0500-3000
1"	1"	.437"	—	—	—	A1-51-5C-1000-1000
1"	2"	.437"	1"	1"	.750"	A1-51-5C-1000-2000
1"	3"	.437"	1"	2"	.750"	A1-51-5C-1000-3000
1 1/2"	1"	.750"	—	—	—	A1-51-5C-1500-1000
1 1/2"	1 1/2"	.750"	—	—	—	A1-51-5C-1500-1500
1 1/2"	2"	.750"	—	—	—	A1-51-5C-1500-2000
1 1/2"	2 1/2"	.750"	—	—	—	A1-51-5C-1500-2500
1 1/2"	3"	.750"	—	—	—	A1-51-5C-1500-3000
2"	1"	.750"	—	—	—	A1-51-5C-2000-1000
2"	1 1/2"	.750"	—	—	—	A1-51-5C-2000-1500
2"	2"	.750"	—	—	—	A1-51-5C-2000-2000
2"	2 1/2"	.750"	—	—	—	A1-51-5C-2000-2500
2"	3"	.750"	—	—	—	A1-51-5C-2000-3000
2 1/2"	1"	.750"	—	—	—	A1-51-5C-2500-1000
2 1/2"	1 1/2"	.750"	—	—	—	A1-51-5C-2500-1500
2 1/2"	2"	.750"	—	—	—	A1-51-5C-2500-2000
2 1/2"	2 1/2"	.750"	—	—	—	A1-51-5C-2500-2500
2 1/2"	3"	.750"	—	—	—	A1-51-5C-2500-3000
3"	1"	.750"	—	—	—	A1-51-5C-3000-1000
3"	1 1/2"	.750"	—	—	—	A1-51-5C-3000-1500
3"	2"	.750"	—	—	—	A1-51-5C-3000-2000
3"	2 1/2"	.750"	—	—	—	A1-51-5C-3000-2500
3"	3"	.750"	—	—	—	A1-51-5C-3000-3000
4"	1"	.750"	—	—	—	A1-51-5C-4000-1000
4"	1 1/2"	.750"	—	—	—	A1-51-5C-4000-1500
4"	2"	.750"	—	—	—	A1-51-5C-4000-2000
4"	2 1/2"	.750"	—	—	—	A1-51-5C-4000-2500
4"	3"	.750"	—	—	—	A1-51-5C-4000-3000
5"	2"	.750"	—	—	—	A1-51-5C-5000-2000
6"	2"	.750"	—	—	—	A1-51-5C-6000-2000

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TECHNOLOGIES

Wettstein Tool[™]

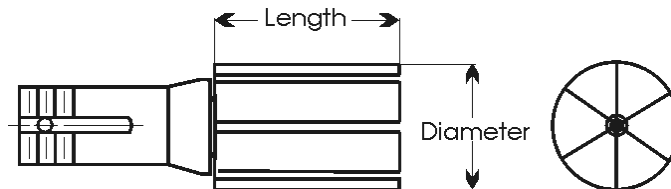
Turning Accessories

No. A1-51

5C Expanding Collet Set

Includes one each of our most popular 5C Expanding Collet sizes in a convenient wooden stand.

Tooler's Classics[™]



5C Expanding Collet Set

Cat. No.
A1-51-5C-001

Set includes one each of the following collets

Diameter	Minimum Length	Machinable Dia.	Cat. No.
1/2"	1"	.250"	A1-51-5C-0500-1000
1"	1"	.437"	A1-51-5C-1000-1000
1 1/2"	1"	.750"	A1-51-5C-1500-1000
2"	1"	.750"	A1-51-5C-2000-1000

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EAGLE ROCK[®]
TECHNOLOGIES

Wettstein Tool[™]

Turning Accessories

No. A1-48

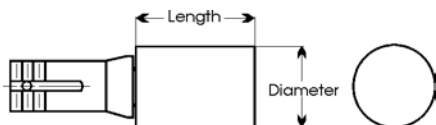
PACKER[™] 5C Fixture Collets

The **PACKER Fixture Collets** are machinable collet blanks to accommodate an unlimited variety of workholding applications. The 5C shank can be mounted in any 5C collet spindle for turning odd shaped parts or for milling in multi-axis machining centers.

With a little "Toolmaker Ingenuity", multiple cavities can be created to hold and machine multiple parts in a single setup. Mounting in a one or two axis index fixture, the enhanced accessibility of a part can potentially reduce multiple fixturings and cut cycle and setup times.

The threaded 5C back screw is removable and replaceable to extend the life-cycle of the collet. When the threads are worn or damaged, the back screw is easily replaced. The fixture collet itself no longer needs to be discarded and remade.

**Patent Pending*



Diameter	Length	Cat. No.
1"	1"	A1-48-5C-1000-1000
1"	2"	A1-48-5C-1000-2000
1"	3"	A1-48-5C-1000-3000
2"	1"	A1-48-5C-2000-1000
2"	2"	A1-48-5C-2000-2000
2"	3"	A1-48-5C-2000-3000
3"	1"	A1-48-5C-3000-1000
3"	2"	A1-48-5C-3000-2000
3"	3"	A1-48-5C-3000-3000
4"	1"	A1-48-5C-4000-1000
4"	2"	A1-48-5C-4000-2000
4"	3"	A1-51-5C-4000-3000
5"	2"	A1-51-5C-5000-2000
6"	2"	A1-51-5C-6000-2000

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EAGLE ROCK[®]
TECHNOLOGIES

Wettstein Tool[™]

Turning Accessories

No. A1-248

SHAPLANE[™] Radius Tool

Toolrib Classics[™]

A simple and accurate way to turn a radius on your manual lathe. Each unit features a rigid cast iron construction for an accurate chatter-free operation and long life. The gearing is fully enclosed to prevent the entrance of any chips or foreign matter. Setups are quick and easy. An extension handle is included to keep your hands away from the hot chips while feeding the tool.

All tools use $\frac{1}{4}$ " square tool bits except for the No. A1-248-04 which uses a $\frac{3}{8}$ " square tool bit.

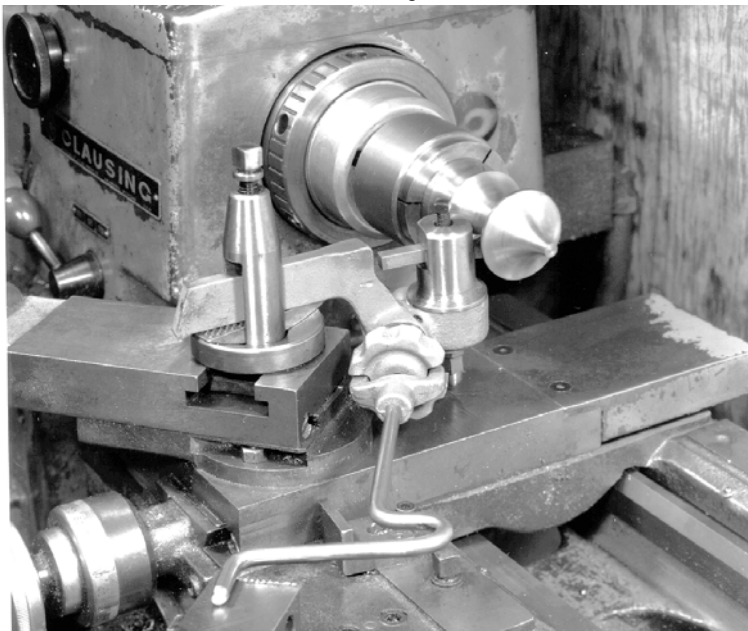
No. A1-248-04

No. A1-248-03

No. A1-248-01



The No. A1-248-07 SHAPLANE Radius Tool turning a concave radius.



	Range	Shank (H x W x L)	For Lathes:	Cat. No.
Convex	max. 2 1/2" dia. ball	1 1/4" x 7/16" x 6"	13" and over	A1-248-01
Concave	min. 1/2" radius	1 1/4" x 7/16" x 6"	13" and over	A1-248-03
Concave	min. 1" radius	1 1/4" x 7/16" x 6"	13" and over	A1-248-04

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EAGLE ROCK[®]
TECHNOLOGIES

Wettstein Tool[™]

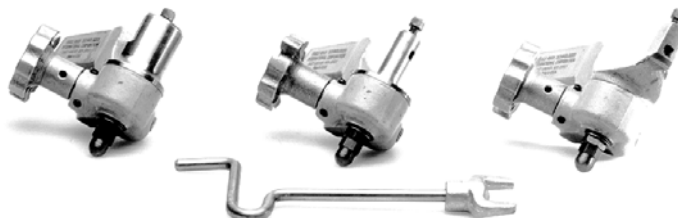
Turning Accessories

No. A1-248 (Continued)

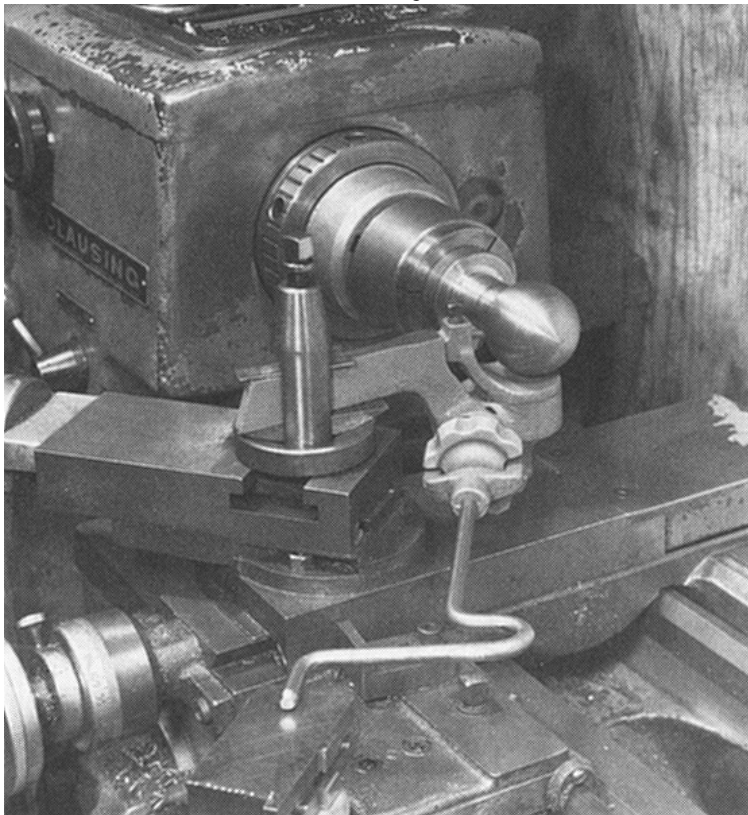
No. A1-248-07

No. A1-248-06

No. A1-248-05



The No. A1-248-05 **SHAPLANE** Radius Tool turning a convex (ball) radius.



	Range	Shank (H x W x L)	For Lathes:	Cat. No.
Convex	max. 1 5/8" dia. ball	1" x 3/8" x 4"	9" to 13"	A1-248-05
Concave	min. 3/8" radius	1" x 3/8" x 4"	9" to 13"	A1-248-06
Concave	min. 3/4" radius	1" x 3/8" x 4"	9" to 13"	A1-248-07

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EAGLE ROCK[®]

TECHNOLOGIES

Wettstein Tool[™]

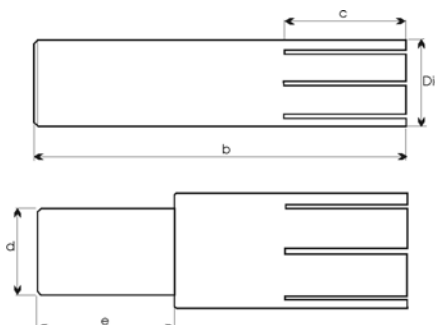
Turning Accessories

No. A1-52

Machinable Expanding Arbors

An effective and economical means for internal chucking. Easy Machinability and operation. Available individually or in complete sets with wrenches.

Toolbox Basics[™]



Highlighted Cat. No. - Pricing and Availability on Request

Diameter	Minimum Machinable Dia.	b	c	d	e	Cat. No.
1/4"	.135"	3"	1/4"	—	—	A1-52-0250
3/8"	.200	3	1/2	—	—	A1-52-0375
1/2"	.200	3	1/2	—	—	A1-52-0500
5/8"	.250	3	7/8	—	—	A1-52-0625
3/4"	.250	4	7/8	—	—	A1-52-0750
7/8"	.360	4	1 1/4	—	—	A1-52-0875
1"	.360	4	1 1/4	—	—	A1-52-1000
1 1/4"	.360	4	1 1/4	1"	1 1/2"	A1-52-1250
1 1/2"	.360	4	1 1/4	1"	1 1/2"	A1-52-1500
1 3/4"	.360	4	1 1/4	1"	1 1/2"	A1-52-1750
2"	.360	4	1 1/4	1"	1 1/2"	A1-52-2000
2 1/2"	.360	4	1 1/4	1"	1 1/2"	A1-52-2500
3"	.360	4	1 1/4	1"	1 1/2"	A1-52-3000

	Cat. No.
Expanding Arbor Set 1/8 - 1 1/4" (8 pcs) with wooden stand	A1-52-0001
Expanding Arbor Set 1 1/2, 1 3/4, 2" (3 pcs)	A1-52-0002

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Ounces	x	28.349527	=	Grams

EAGLE ROCK[®]
TECHNOLOGIES

Wettstein Tool[™]

Turning Accessories

No. A1-220

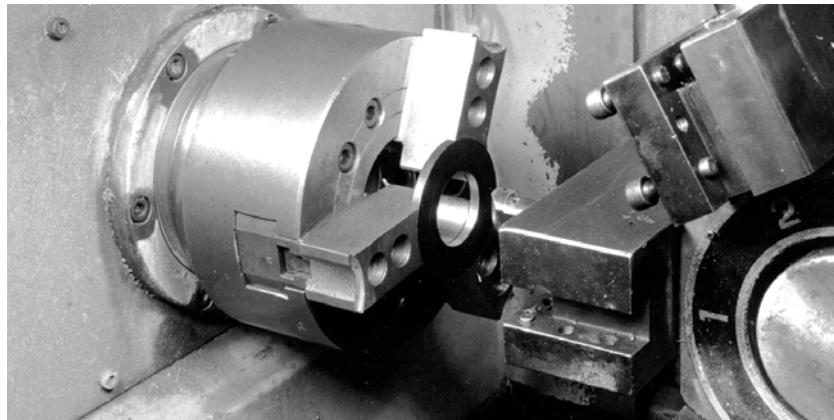
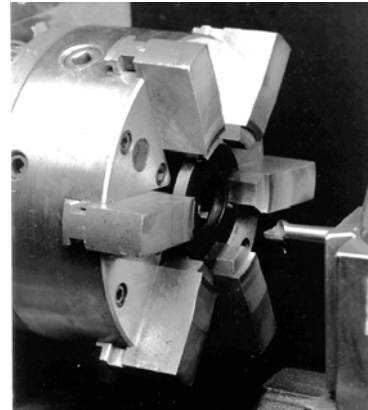
ANTI-BACKLASH[™] Ring Set

Toolrib Classics[™]

A valuable time saver for your Lathes and Turning Centers. Every ring you will ever need for boring out your soft jaws on one convenient wooden rack.

The Standard Set (A1-220-00) includes the complete set of 48 rings from 1" to 3¹⁵/₁₆" in 1/16" increments on a wooden rack.

The Short Stack(s) (A1-220-10, -20, -30) from the standard set. Includes 16 rings from in 1/16" increments on a rack.



		Cat. No.
Standard Set	48 Rings, 1 to 3 ¹⁵ / ₁₆ in 1/16th increments	A1-220-00
Short Stack(s)	16 Rings in 1/16th increments	A1-220-10 (-20, -30)

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EAGLE ROCK[®]
TECHNOLOGIES

Wettstein Tool[™]

Turning Accessories

No. A1-33

BUSHETTE[®] Collet Type Tool Holders

An excellent alternative to bushings. The **BUSHETTE Tool Holders** are designed especially for CNC Lathes and Turning Centers where tools must be practical and hard working to keep your machines competitive in today's tough market. Excellent for presetting backup tooling and setting up for your next job.

All **BUSHETTE's** are fully hardened and precision ground. Available for 5C, R8, 3C, 3AT, 2MT and 3J Collets.

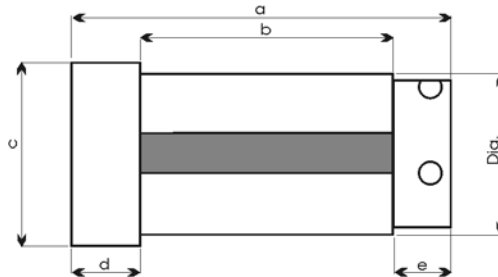
Collet Stops are included with all 5C BUSHETTE's.

A great way to make use of the Collets lying around the shop.



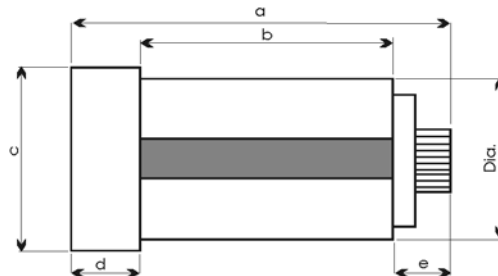
Type I Bushette Unobstructed "Through Hole" For 5C, 3C, 3AT and 3J Collets

The design of these collets allows for an unobstructed through hole. Tools can extend beyond the back of the **Bushette**.



Type II Bushette Obstructed "Through Hole" For R8 and 2MT Collets

The design of these collets do not allow tooling to extend beyond the interior depth of the collet.



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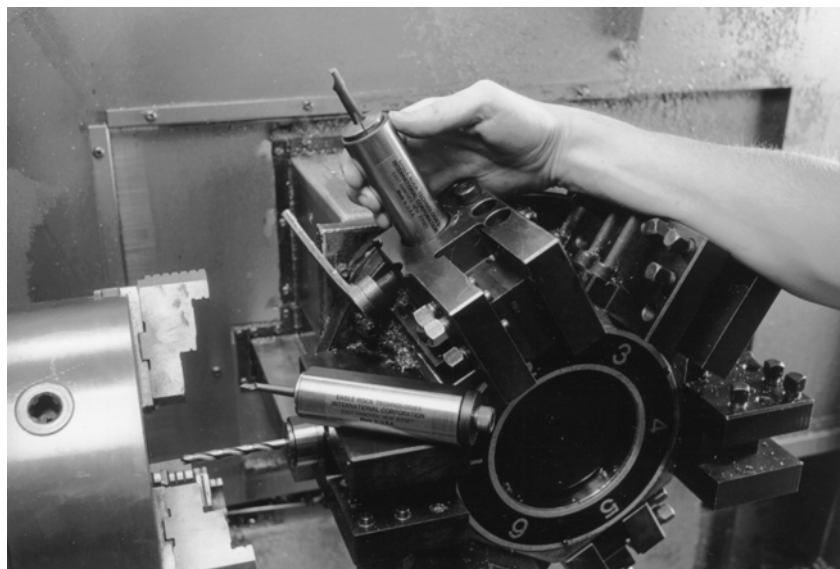
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EAGLE ROCK[®]
TECHNOLOGIES

Wettstein Tool[™]

Turning Accessories

No. A1-33 (continued)



Highlighted Cat. No. - Pricing and Availability on Request

Collet Type	Dia.	a	b	c	d	e	Cat. No.
2MT	1"	3 ¹ / ₄	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	1 ¹ / ₄	A1-33-2MT1000
2MT	1 ¹ / ₄ "	3 ¹ / ₄	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	1 ¹ / ₄	A1-33-2MT1250
2MT	1 ¹ / ₂ "	3 ¹ / ₄	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	1 ¹ / ₄	A1-33-2MT1500
2MT	1 ³ / ₄ "	3 ³ / ₄	2 ³ / ₄	1 ¹ / ₈	3 ³ / ₄	1 ¹ / ₄	A1-33-2MT1750
2MT	2"	3 ³ / ₄	2 ³ / ₄	2 ¹ / ₈	3 ³ / ₄	1 ¹ / ₄	A1-33-2MT2000
3AT	1"	3 ¹ / ₄	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	1 ¹ / ₄	A1-33-3AT1000
3AT	1 ¹ / ₄ "	3.35	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	.35	A1-33-3AT1250
3AT	1 ¹ / ₂ "	3.35	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	.35	A1-33-3AT1500
3AT	1 ³ / ₄ "	3.35	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	.35	A1-33-3AT1750
3AT	2"	3.85	2 ³ / ₄	2 ¹ / ₈	3 ³ / ₄	.35	A1-33-3AT2000
3J	3"	4 ¹ / ₈	4 ¹ / ₄	—	—	5 ¹ / ₈	A1-33-3J3000
3J	3 ¹ / ₂ "	5 ¹ / ₈	5 ¹ / ₄	—	—	5 ¹ / ₈	A1-33-3J3500
3C	1"	3 ¹ / ₄	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	1 ¹ / ₄	A1-33-3C1000
3C	1 ¹ / ₄ "	3.35	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	.35	A1-33-3C1250
3C	1 ¹ / ₂ "	3.35	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	.35	A1-33-3C1500
3C	1 ³ / ₄ "	3.35	2 ¹ / ₄	1 ¹ / ₈	3 ³ / ₄	.35	A1-33-3C1750
3C	2"	3.85	2 ³ / ₄	2 ¹ / ₈	3 ³ / ₄	.35	A1-33-3C2000
5C	1 ¹ / ₂ "	4 ¹ / ₄	2	2	3 ³ / ₄	3 ³ / ₄	A1-33-5C1500
5C	1 ³ / ₄ "	4 ¹ / ₈	2 ³ / ₄	2	3 ³ / ₄	5 ¹ / ₈	A1-33-5C1750
5C	2"	4 ¹ / ₈	2 ³ / ₄	2 ¹ / ₈	3 ³ / ₄	5 ¹ / ₈	A1-33-5C2000
5C	2 ¹ / ₂ "	4 ⁵ / ₈	3 ¹ / ₄	2 ⁵ / ₈	3 ³ / ₄	5 ¹ / ₈	A1-33-5C2500
R8	1 ¹ / ₂ "	4 ¹ / ₈	3 ¹ / ₂	1 ¹ / ₄	3 ³ / ₄	5 ¹ / ₈	A1-33-R81500
R8	1 ³ / ₄ "	4 ¹ / ₈	3 ¹ / ₂	1 ¹ / ₈	3 ³ / ₄	5 ¹ / ₈	A1-33-R81750
R8	2"	4 ¹ / ₈	3 ¹ / ₂	2 ¹ / ₈	3 ³ / ₄	5 ¹ / ₈	A1-33-R82000
R8	2 ¹ / ₂ "	4 ¹ / ₈	3 ¹ / ₂	2 ⁵ / ₈	3 ³ / ₄	5 ¹ / ₈	A1-33-R82500

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