

# Manufacturing Solutions for Orthopedics

ISO 9001:2015 - ISO13485:2016

## Standard Instrument Grades - ASTM F899

17-4 PH | 455 | 465 | 420 MOD | 440A | 304

## Standard Implant Grades

ASTM F136	ASTM F1295	ASTM F138
Ti6Al4V ELI	Ti6Al7Nb	316LVM

Bar length up to

**12 ft**

T.I.R. = 0.004"  
ID tol. +/- .002"  
OD tol. +/- .0002"

## CANNULATED BARS

Standard OD sizes

Fraction	Inches	Metric
3/16	.1875	4.76
1/4	.250	6.35
5/16	.3125	7.94
3/8	.375	9.53
7/16	.4375	11.11
1/2	.500	12.70
9/16	.5625	14.29
5/8	.625	15.88
11/16	.6875	17.46
3/4	.750	19.05

Standard ID sizes

Inches	Metric
.035	0.89
.037	0.94
.039	0.99
.043	1.09
.047	1.19
.049	1.25
.050	1.27
.055	1.40
.062	1.58
.063	1.60
.067	1.70
.069	1.75
.077	1.96
.085	2.16
.098	2.49
.118	3.00
.126	3.20
.134	3.40
.156	3.96

## DRILLED BARS

Powered by **GROVER**

	ID	OD
Min.	.114"	.3125"
Max.	.500"	1.250"

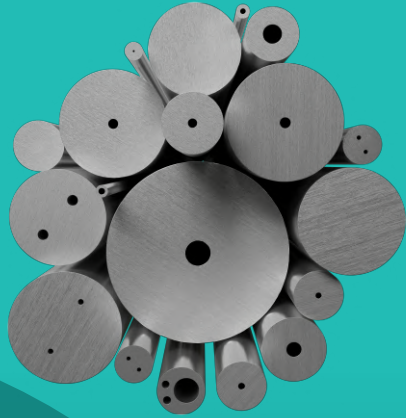
ID sizes <0.156" may only be available in 6ft lengths.

Stock list available on [www.forecreu.com](http://www.forecreu.com)

Get a quote - [contact@forecreuamerica.com](mailto:contact@forecreuamerica.com) - (773) 539-8501

## SOLID BARS

455		465	
.1875"	4.76 mm	.1875"	4.76 mm
.250"	6.35 mm	.250"	6.35 mm
.312"	7.93 mm	.312"	7.93 mm
.3125"	7.94 mm	.375"	9.53 mm
.375"	9.53 mm	.500"	12.70 mm
.500"	12.70 mm	.625"	15.88 mm
.625"	15.88 mm	.750"	19.05 mm
.750"	19.05 mm	<b>17-4</b>	
1.000"	25.40 mm	.1875"	4.76 mm
1.250"	31.75 mm	.250"	6.35 mm
<b>316</b>		.3122"	7.93 mm
.039"	0.99 mm	.375"	9.53 mm
.043"	1.09 mm	.750"	19.05 mm
.0472"	1.20 mm	<b>420B</b>	
.063"	1.60 mm	.0787"	2.00 mm
.0787"	2.00 mm	.0984"	2.50 mm
.094"	2.39 mm	.1063"	2.70 mm
.110"	2.79 mm	.1181"	3.00 mm
.118"	3.00 mm	.1378"	3.50 mm
.1559"	3.96 mm	.1654"	4.20 mm
.1565"	3.98 mm	.1772"	4.50 mm
.1575"	4.00 mm	.1969"	5.00 mm
.1875"	4.76 mm	.2362"	6.00 mm
.1968"	5.00 mm	.3150"	8.00 mm
.236"	6.00 mm	.3937"	10.00 mm
.25"	6.35 mm	.4724"	12.00 mm
.3149"	8.00 mm		
.6299"	16.00 mm		



## SMALL COMPONENT GUN DRILLING Powered by GROVER

<b>Grades available</b>	17-4 PH
	455
	465
	420 MOD
	440A
	304
	Ti6AlV ELI
	Ti6Al7Nb
	316LVM

ID Range – .035" to 2.00"

ID Finish – 32 to 63 Ra

TIR – .001" per inch standard

Blanks or finished machined parts.