

## GRADES STOCKED

STAINLESS

SPECIFICATIONS		SPECIFICATIONS	
<b>PH 13-8 MO</b>	AMS-5629 Type 1, AMS-2300, Cap. of ASTM-A-564 Grade XM-13, STM-05-602 (Exc. Sonic some sizes check TR's), HMS -6-1105 (Exc. Sonic some sizes), STO-160-LBO-013, DMS 2100, Sonic per MIL-S-2154 CL.A (Check TR's)	<b>304 L</b>	AMS-5647, ASTM-A-276, ASTM-A-479, ASTM-A-484, QQS-763, AMS-QQS-763, ASME-SA-479, DMS 2050 Rev A
<b>15-5 PH "H1025"</b>	AMS-5659 Type 1, ASTM-A-564 Type XM-12, AMS-2300, AMS-2315, ASTM-A-484, AMS-H6875	<b>304-L Plate Bar</b>	CHEMS ONLY TO FOLLOWING: ASTM-A & ASME-SA-240, ASTM-A & ASME-SA-276, ASTM-A-479, AMS-QQS & QQS 763, ASTM-A-484 Gauge & Width Table #5, ASTM-A-262 Practice A or E, AMS-5647
<b>15-5 PH V.M.</b>	AMS-5659 Type 1, AMS-2300, AMS-2315, Cap. of ASTM-A-564 Grade XM-12, ASTM-A-484	<b>304 L Prec.Grd</b>	Same Specs. as Reg. 304-L
<b>15-5 PH ESR</b>	AMS-5659 Type 2, Cap. of ASTM-A-564 Grade XM-12, ASTM-A-484	<b>304 L Cond. "B" (Hi Tensile)</b>	QQS-763 CHEMS ONLY, AMS-QQS-763 CHEMS ONLY
<b>17-4 PH</b>	AMS-5643, AMS-2303, ASTM-A-484, Cap. of ASTM-A-564 Grade 630, Cap. of ASME-SA-564 Type 630, Cap. of MBO-160-003 (Exc. Hardness & Sonic)	<b>304 L V.M.</b>	AMS-5647, ASTM-A-276, ASTM-A-479, ASTM-A-484, ASTM-E-45 METHOD D (Exc. Transverse), QQS-763, AMS-QQS-763, ASME-SA-479, MBO-160-034 (Exc. Sonic), MBO-160-037 (Exc. Grain Size), DMS 2050 Rev A
<b>17-4 PH Prec.Grd</b>	Same Specs. as Reg. 17-4	<b>303 Sul</b>	AMS-5640 Type 1, ASTM-A-582, ASTM-A-484, ASTM-A-320 Grd. B8F CL. 1, MIL-S-7720, MIL-W-52263 (½" & under), QQS-763C, QQS-764B (over ½")
<b>17-7 PH</b>	AMS-5644, Cap. of ASTM-A-564 Type 631	<b>303 Sul Prec.Grd</b>	Same Specs. as Reg. 303
<b>302</b>	AMS-S-7720, ASTM-A-276, ASTM-A-479, ASTM-A-484, MIL-S-7720, QQS-763, AMS-QQS-763, ASME-SA-479	<b>303 Sul Cond. "B" (Hi Tensile)</b>	ASTM-A-320 Grd. B8F CL. 2, ASTM-A-484, MIL-S-7720, MIL-W-52263 (½" & under), QQS-764A (over ½")
<b>302 Plate Bar</b>	CHEMS ONLY TO FOLLOWING: ASTM-A & ASME-SA-240, ASTM-A & ASME-SA-276, ASTM-A-479, AMS-QQS & QQS 763, ASTM-A-484 Gauge & Width Table #5, ASTM-A-262 Practice A or E	<b>303 Sel</b>	AMS-5640 Type 2, AMS-5641, ASTM-A-582, ASTM-A-484, ASTM-A-320 Grd. B8F CL.1, MIL-S-7720, MIL-W-52263 (½" & under), QQS-763C, QQS-764B (over ½")
<b>302 Prec.Grd</b>	Same Specs. as Reg. 302	<b>303 Sel Prec.Grd.</b>	Same Specs as Reg 303 Sel
<b>302 Cond. "B" (Hi Tensile)</b>	AMS-5637 CHEMS ONLY, AMS-S-7720, ASTM-A-276, ASTM-A-484, MIL-S-7720, QQS 763, AMS-QQS-763	<b>303 Sel Cond. "B" (Hi Tensile)</b>	AMS-5738, ASTM-A-320 Grd. B8F CL.2, ASTM-A-484, MIL-S-7720, MIL-W-52263 (½" & under), QQS-763C, QQS-764A (over ½")
<b>304</b>	AMS-5639, ASTM-A-484, ASTM-A-276, ASTM-A-479, ASTM-A-193 Grd. B8 CL.1, ASTM-A-320 Grd. B8 CL.1, ASME-SA-479, QQS-763, AMS-QQS-763	<b>309</b>	AMS-5650, ASTM-A-276, ASTM-A-479, ASTM-A-484, QQS-763, AMS-QQS-763
<b>304 Plate Bar</b>	CHEMS ONLY TO FOLLOWING: ASTM-A & ASME-SA-240, ASTM-A & ASME-SA-276, ASTM-A-479, AMS-QQS & QQS 763, ASTM-A-484 Gauge & Width Table #5, ASTM-A-262 Practice A or E, AMS-5639	<b>310</b>	AMS-5651, ASTM-A-276, ASTM-A-479, ASTM-A-484, QQS-763, AMS-QQS-763, ASME-SA-479
<b>304 Prec.Grd</b>	Same Specs. as Reg. 304	<b>316</b>	AMS-5648, AMS-S-7720, ASTM-A-276, ASTM-A-320 Grd. B8M CL.1, ASTM-A-193 Grd. B8M CL.1, ASTM-A-479, ASTM-A-484, MIL-S-7720, QQS-763, AMS-QQS-763, ASME-SA-479,
<b>304 Cond. "B" (Hi Tensile)</b>	ASTM-A-484, ASTM-A-276, ASTM-A-193 Grd. B8 CL. 2, QQS-763, AMS-QQS-763	<b>316 Prec.Grd</b>	Same Specs. as Reg. 316
		<b>316 Cond. "B" (Hi Tensile)</b>	AMS-S-7720, ASTM-A-276, ASTM-A-193 Grd. B8M CL.2, ASTM-A-320 Grd. B8M CL.2, ASTM-A-484, MIL-S-7720, QQS-763, AMS-QQS-763

PH - Precipitation Hardenable    VM - Vacuum Arc Re-melt    ESR - Electroslag Re-melt    Prec. Grd - Precision Ground tol. +/- .0005  
 Plate-Bar - Commercial Grade product. The flat bar is cut from plate and then run through a "Gauerd" machine for final processing.  
 Chems Only - Certifiable to Chemistry only - No physicals    Sel - Selenium    L - Low Carbon    Sul - Sulfer    Sol trt - Solution treated

# STAINLESS

## GRADES STOCKED

SPECIFICATIONS		SPECIFICATIONS	
<b>316 L</b>	AMS-5653, ASTM-A-276, ASTM-A-479, ASTM-A-484, ASME-SA-479, QQS-763, AMS-QQS-763	<b>422</b>	ASTM-A-565 GRADE 616, Cap. of AMS 5655, Cap. of 10705BU, Cap. of B50A125, Cap. of B50A951A1, DOD-F24669/7
<b>316 L Prec.Grd</b>	Same Specs. as Reg. 316-L	<b>430</b>	AMS-5627, ASTM-A-276, ASTM-A-479, ASTM-A-484, QQS-763, AMS-QQS-763
<b>316 L Cond. "B" (Hi Tensile)</b>	QQS-763 CHEMS ONLY and AMS-QQS-763 CHEMS ONLY	<b>430 F</b>	ASTM-A-582, ASTM-A-484, MIL-W-52263 (½" & under), QQS-763C CHEMS ONLY, QQS-764B (over ½")
<b>316/316-L Vac. Melt.</b>	Same Specs as Reg 316/316-L, ASTM-E-45 METHOD D	<b>431</b>	AMS-5628, AMS-S-18732, AMS-2303, ASTM-A-276, ASTM-A-484, MIL-S-18732, QQS-763 (EXC. HARDNESS & IZOD TESTS), HI SHEAR #115 CHEMS ONLY, DMS-1565 (EXC. Sonic)
<b>317</b>	ASTM-A-276, ASTM-A-479, ASTM-A-484, QQS-763, AMS-QQS-763	<b>440 A</b>	AMS-5631, ASTM-A-276, ASTM-A-484, QQS-763, AMS-QQS-763
<b>317 L</b>	ASTM-A-484	<b>440 C</b>	AMS-5630, ASTM-A-276, ASTM-A-484, QQS-763, AMS-QQS-763
<b>321/321H</b>	AMS-5645, ASTM-A-276, ASTM-A-479, ASTM-A-484, ASTM-A-193 Grd. B8T CL.1, ASTM-A-320 Grd. B8T CL.1, QQS-763, AMS-QQS-763, ASME-SA-479	<b>440 C Prec.Grd</b>	Same specs as Reg. 440 C
<b>330</b>	AMS-5716	<b>440 C VAC. MELT</b>	AMS-5630, AMS-5880 BEARING QUALITY, AMS 5618, ASTM-A-276, QQS-763, AMS-QQS-763, BEMS-25003E, RBO-160-064 (Exc. Sonic)
<b>347/347H</b>	AMS-5646, ASTM-A-276, ASTM-A-479, ASTM-A-484, ASME-SA-479, ASTM-A-193-Grd. B8C CL.1, ASTM-A-320 Grd. B8C CL.1, QQS-763, AMS-QQS-763	<b>440 F Se</b>	AMS-5632 Type 2, ASTM-A-582, ASTM-A-484, QQS-764B (over ½")
<b>AM-355</b>	AMS-5743, Cap. of AMS-5744, Cap. of ASTM-A-564 Type 634, ASTM-A-484, EMS-55443, Honeywell 91547-M3170 CHEMS ONLY	<b>446</b>	ASTM-A-276, QQS-763, AMS-QQS-763
<b>403</b>	AMS-2303, ASTM-A-276, ASTM-A-479, ASTM-A-484, QQS-763, AMS-QQS-763, ASME-SA-479	<b>455 Sol. Tr. (12-9-2)</b>	AMS-5617 (Under 3" Grd. 1, 3" & over Grd. 2), MIL-S-83311, Cap. of ASTM-A-564 GRD. XM-16, HMS-6-1093G Exc. Para. 3.2.1.1
<b>410</b>	AMS-5613, AMS-5612, AMS-2303, ASTM-A-276, ASTM-A-479, ASTM-A-484, QQS-763, AMS-QQS-763, ASME-SA-479	<b>465 Sol. Tr.</b>	AMS 5936
<b>416</b>	AMS-5610 T-2, ASTM-A-582, ASTM-A-484, MIL-W-52263 (½" & under), QQS-763C, QQS-764B (over ½")	<b>FRY ALLOY 20</b>	ASTM-B-473
<b>416 Prec.Grd</b>	AMS-5610 T-2, ASTM-A-582, MIL-W-52263, QQS-763C	<b>FRY ALLOY 40 (21-6-9)</b>	AMS-5656, ASTM-A-276
<b>416 HT R.C. 26/32</b>	ASTM-A-582 COND. T, ASTM-A-484, MIL-W-52263 (½" & under), QQS-763C COND H, QQS-764B COND. T (over ½"), EMS-537	<b>FRY ALLOY 50 (22-13-5)</b>	AMS-5764, ASTM-A-479 XM-19, ASTM-A-276, ASTM-A-193 Grd. B8R CL.1, ASME-SA-479 XM-19
<b>418 (GREEK ASCOLOY)</b>	AMS-5616	<b>FRY ALLOY 60</b>	AMS 5848, ASTM-A-479, ASTM-A-276 (S21800), ASTM-A-193 Grd. B8S, ASTM-A-194, ASME-SA-479, ASME-SA-193 Grd. B8S, ASME-SA-194
<b>420</b>	AMS-5621, ASTM-A-276, ASTM-A-484, QQS-763, AMS-QQS-763		
<b>420 F</b>	AMS-5620 Type 2, ASTM-A-582, ASTM-A-484		

<sup>3</sup> Trademark Carpenter Technology

**NOTE: AUTOMATIC EXCEPTIONS TO THE SPEC LISTED ARE: LINE MARKING AND INSPECTION (I.E. MAG., SONIC, ETC.)**

Refer to pages 57 through 68 for tolerances, weights, recommended stock removal, chemical analysis, machinability.  
 General information in back of book.

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1/16"	302	C.F.	Ann.	.130"	302	C.F.	Ann.	
	304	C.F.	Ann.		304	C.F.	Ann.	
	304 L	C.F.	Ann.		304 L	C.F.	Ann.	
	303 S	C.F.	Ann.		303 S	C.F.	Ann.	
416	C.F.	Ann.	303 Sel		C.F.	Ann.		
5/64"	303 S	C.F.	Ann.		316	C.F.	Ann.	
	416	C.F.	Ann.		316 L	C.F.	Ann.	
3/32"	17-4 PH	C.G.	Sol trt		416	C.F.	Ann.	
	302	C.F.	Ann.		416 HT RC 26/32	C.G.	H.T.	
	302	P.G.	Ann.		.135"	440 C	C.F.	Ann.
	304	C.F.	Ann.			9/64"	17-4 PH	C.G.
	304	P.G.	Ann.		303 S		C.F.	Ann.
	304 L	C.F.	Ann.		416	C.F.	Ann.	
	304 L	P.G.	Ann.		5/32"	17-4 PH	C.G.	Sol trt
	303	P.G.	Ann.			302	C.F.	Ann.
	303 S	C.F.	Ann.			304	C.F.	Ann.
	303 Sel	C.F.	Ann.	304 L		C.F.	Ann.	
	416	C.F.	Ann.	303 S		P.G.	Ann.	
	440 A	C.G.	Ann.	303 S		C.F.	Ann.	
440 C	C.F.	Ann.	303 Sel	C.F.		Ann.		
440 F Se	C.G.	Ann.	416	C.F.		Ann.		
7/64"	17-4 PH	C.G.	Sol trt	416 HT RC 26/32		C.G.	H.T.	
	303 S	C.F.	Ann.	420		C.F.	Ann.	
	416	C.F.	Ann.	430 F		C.F.	Ann.	
1/8"	13-8 MO V.M.	C.G.	Sol trt	440 A		C.G.	Ann.	
	15-5 PH V.M.	C.G.	Sol trt	440 C	C.F.	Ann.		
	17-4 PH	C.G.	Sol trt	440 F Se	C.G.	Ann.		
	17-4 PH	P.G.	Sol trt	11/64"	17-4 PH	C.G.	Sol trt	
	302	P.G.	Ann.		303 S	C.F.	Ann.	
	304	P.G.	Ann.	416	C.F.	Ann.		
	304 L	P.G.	Ann.	3/16"	13-8 MO V.M.	C.G.	Sol trt	
	302	C.F.	Ann.		15-5 PH V.M.	C.G.	Sol trt	
	304	C.F.	Ann.		17-4 PH	C.G.	Sol trt	
	302 Hi tens.	C.F.	"B"		17-4 PH	P.G.	Sol trt	
	304 Hi tens.	C.F.	"B"		302	P.G.	Ann.	
	304 L	C.F.	Ann.		304	P.G.	Ann.	
	304 Hi tens.	C.F.	"B"		304 L	P.G.	Ann.	
	303 S	P.G.	Ann.		302	C.F.	Ann.	
	303 S	C.F.	Ann.		304	C.F.	Ann.	
	303 Sel	P.G.	Ann.		302 Hi tens	C.F.	"B"	
	303 Sel	C.F.	Ann.		304 Hi tens	C.F.	"B"	
	303 Sel Hi tens.	C.F.	"B"		304 L	C.F.	Ann.	
	316	C.F.	Ann.		304 L Hi tens	C.F.	"B"	
	316 L	C.F.	Ann.		303 S	P.G.	Ann.	
	321	C.F.	Ann.		303 S	C.F.	Ann.	
	347	C.F.	Ann.		303 S Hi tens	C.F.	"B"	
	403	C.F.	Ann.		303 Sel	C.F.	Ann.	
	410	C.F.	Ann.		303 Sel Hi tens	C.F.	"B"	
	416	C.F.	Ann.		303 Sel	P.G.	Ann.	
	416	P.G.	Ann.		316	P.G.	Ann.	
	416 HT RC 26/32	C.G.	H.T.		316 L	P.G.	Ann.	
	420	C.F.	Ann.		316	C.F.	Ann.	
	430 F	C.F.	Ann.		316 L	C.F.	Ann.	
	440 A	C.F.	Ann.		321	C.F.	Ann.	
	440 C	C.F.	Ann.		347	C.F.	Ann.	
	440 C	P.G.	Ann.		403	C.F.	Ann.	
440 F Se	C.G.	Ann.	410		C.F.	Ann.		
.130"	17-4 PH	C.G.	Sol trt		416	C.F.	Ann.	

Finish: C.D. – Cold Drawn  
C.F. – Cold Finish  
H.R. – Hot Rolled  
C.G. – Centerless Ground

Condition: Ann. – Annealed  
A&P – Annealed & Pickled  
H.T. – Heat treated (RC 26/32)  
Sol trt – Solution Treated

ESR – Electroslag Re-melt  
Sel – Selenium  
"B" – Hi Tensile  
S – Sulfur

V.M. – Vacuum Arc Re-melt  
P.G. – Precision Ground  
L – Low Carbon

**ROUNDS**  
STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
3/16"	416	P.G.	Ann.	1/4"	304 L	P.G.	Ann.
	416 HT RC 26/32	C.G.	H.T.		302	C.F.	Ann.
	418 (Greek Ascoloy)	C.G.	Ann.		304	C.F.	Ann.
	420	C.F.	Ann.		302 Hi tens	C.F.	"B"
	422	C.F.	Ann.		304 Hi tens	C.F.	"B"
	430	C.F.	Ann.		304 L	C.F.	Ann.
	430 F	C.F.	Ann.		304 L V.M.	C.G.	Ann.
	431	C.F.	Ann.		304 L Hi tens	C.F.	"B"
	440 A	C.F.	Ann.		303 S	P.G.	Ann.
	440 C	C.F.	Ann.		303 S	C.F.	Ann.
	440 C	P.G.	Ann.		303 S Hi tens	C.F.	"B"
	440 F Se	C.G.	Ann.		303 Sel	C.F.	Ann.
	.1925"	15-5 PH V.M.	C.G.		Sol trt	303 Sel Hi tens	C.F.
17-4 PH		C.G.	Sol trt	303 Sel	P.G.	Ann.	
302		C.F.	Ann.	310	C.F.	Ann.	
304		C.F.	Ann.	316	P.G.	Ann.	
304 L		C.F.	Ann.	316 L	P.G.	Ann.	
303 S		C.F.	Ann.	316	C.F.	Ann.	
303 Sel		C.F.	Ann.	316 Hi tens	C.F.	"B"	
316		C.F.	Ann.	316 VM	C.G.	Ann.	
316 L		C.F.	Ann.	316 L	C.F.	Ann.	
321		C.F.	Ann.	316 L Hi tens	C.F.	"B"	
416		C.F.	Ann.	316 V.M.	C.G.	Ann.	
416 HT RC 26/32		C.G.	H.T.	317	C.F.	Ann.	
.1975"		440 C	C.F.	Ann.	317 L	C.F.	Ann.
				321	C.F.	Ann.	
13/64"	17-4 PH	C.G.	Sol trt	330	C.F.	Ann.	
	303 S	C.F.	Ann.	347	C.F.	Ann.	
	416	C.F.	Ann.	403	C.F.	Ann.	
	440 C	C.F.	Ann.	410	C.F.	Ann.	
7/32"	17-4 PH	C.G.	Sol trt	416	C.F.	Ann.	
	302	C.F.	Ann.	416	P.G.	Ann.	
	304	C.F.	Ann.	416 HT RC 26/32	C.G.	H.T.	
	304 L	C.F.	Ann.	418 (Greek Ascoloy)	C.G.	Ann.	
	303 S	P.G.	Ann.	420	C.F.	Ann.	
	303 S	C.F.	Ann.	420 F	C.F.	Ann.	
	303 S Hi tens	C.F.	"B"	422	C.F.	Ann.	
	303 Sel	C.F.	Ann.	430	C.F.	Ann.	
	303 Sel Hi tens	C.F.	"B"	430 F	C.F.	Ann.	
	416	C.F.	Ann.	431	C.F.	Ann.	
	416 HT RC 26/32	C.G.	H.T.	440 A	C.F.	Ann.	
	420	C.F.	Ann.	440 C	C.F.	Ann.	
	430	C.F.	Ann.	440 C	P.G.	Ann.	
	430 F	C.F.	Ann.	440 C V.M.	C.G.	Ann.	
	440 A	C.G.	Ann.	440 F Se	C.G.	Ann.	
	440 C	C.F.	Ann.	446	C.G.	Ann.	
440 F Se	C.G.	Ann.	455	C.G.	Ann.		
15/64"	17-4 PH	C.G.	Sol trt	FRY ALLOY 20	C.G.	Ann.	
	303 S	C.F.	Ann.	FRY ALLOY 40	C.G.	Ann.	
	416	C.F.	Ann.	FRY ALLOY 50	C.G.	Ann.	
	440 C	C.F.	Ann.	FRY ALLOY 60	C.G.	Ann.	
1/4"	13-8 MO V.M.	C.G.	Sol trt	.255"	15-5 PH V.M.	C.G.	Sol trt
	15-5 PH M.V.	C.G.	Sol trt		17-4 PH	C.G.	Sol trt
	17-4 PH	C.G.	Sol trt		302	C.F.	Ann.
	17-4 PH	C.G.	"H1150"		304	C.F.	Ann.
	17-4 PH	P.G.	Sol trt		304 L	C.F.	Ann.
	17-7 PH	C.G.	Sol trt		302 Hi tens	C.F.	"B"
	AM 355	C.G.	Ann.		304 Hi tens	C.F.	"B"
	302	P.G.	Ann.		304 L Hi tens	C.F.	"B"
	304	P.G.	Ann.		303 S	C.F.	Ann.

**NOTE: IT IS NOT ADVISABLE TO TRY TO FINISH ON SIZE FROM THE SIZE PURCHASED.**

NOTE: BARS ARE NOT PERFECTLY ROUND, SQUARE, OR STRAIGHT.

PLEASE REFER TO THE VARIOUS CHARTS IN THIS BOOK.

**ROUNDS**  
STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
.255"	303 Sel	C.F.	Ann.	5/16"	303 Sel	P.G.	Ann.
	303 Sel Hi tens	C.F.	"B"		310	C.F.	Ann.
	316	C.F.	Ann.		316	P.G.	Ann.
	316 L	C.F.	Ann.		316-L	P.G.	Ann.
	321	C.F.	Ann.		316	C.F.	Ann.
	403	C.F.	Ann.		316 Hi tens	C.F.	"B"
	410	C.F.	Ann.		316 L	C.F.	Ann.
	416	C.F.	Ann.		316 L Hi tens	C.F.	"B"
	416 HT RC 26/32	C.G.	H.T.		317	C.F.	Ann.
430 F	C.F.	Ann.	317 L		C.F.	Ann.	
.260"	13-8 MO V.M.	C.G.	Sol trt		321	C.F.	Ann.
	15-5 PH V.M.	C.G.	Sol trt		347	C.F.	Ann.
	440 C	C.F.	Ann.		403	C.F.	Ann.
	455	C.G.	Ann.		410	C.F.	Ann.
.265"	431	C.F.	Ann.		416	C.F.	Ann.
17/64"	13-8 MO V.M.	C.G.	Sol trt		416	P.G.	Ann.
	17-4 PH	C.G.	Sol trt		416 HT RC 26/32	C.G.	H.T.
	303 S	C.F.	Ann.		418 (Greek Ascoloy)	C.G.	Ann.
	440 C	C.F.	Ann.		420	C.F.	Ann.
9/32"	13-8 MO V.M.	C.G.	Sol trt		420F	C.F.	Ann.
	17-4 PH	C.G.	Sol trt		422	C.F.	Ann.
	302	C.F.	Ann.		430	C.F.	Ann.
	304	C.F.	Ann.		430 F	C.F.	Ann.
	304 L	C.F.	Ann.		431	C.F.	Ann.
	303 S.	P.G.	Ann.		440 A	C.F.	Ann.
	303 S	C.F.	Ann.		440 C	C.F.	Ann.
	303 S Hi tens	C.F.	"B"		440 C	P.G.	Ann.
	303 Sel	C.F.	Ann.	440 F Se	C.G.	Ann.	
	416	C.F.	Ann.	446	C.G.	Ann.	
	416 HT RC 26/32	C.G.	H.T.	455	C.G.	Ann.	
	420	C.F.	Ann.	FRY ALLOY 20	C.G.	Ann.	
	430	C.F.	Ann.	FRY ALLOY 40	C.G.	Ann.	
	430 F	C.F.	Ann.	FRY ALLOY 60	C.G.	Ann.	
440 A	C.G.	Ann.	.3175"	15-5 PH V.M.	C.G.	Sol trt	
440 C	C.F.	Ann.		17-4 PH	C.G.	Sol trt	
440 F Se	C.G.	Ann.		302	C.F.	Ann.	
19/64"	13-8 MO V.M.	C.G.		Sol trt	304	C.F.	Ann.
17-4 PH	C.G.	Sol trt		302 Hi tens	C.F.	"B"	
303 S	C.F.	Ann.		304 Hi tens	C.F.	"B"	
5/16"	13-8 MO V.M.	C.G.		Sol trt	304 L	C.F.	Ann.
	15-5 PH V.M.	C.G.		Sol trt	304 L Hi tens	C.F.	"B"
	17-4 PH	C.G.		Sol trt	303 S	C.F.	Ann.
	17-4 PH	P.G.		Sol trt	303 Sel	C.F.	Ann.
	17-7 PH	C.G.		Sol trt	316	C.F.	Ann.
	AM 355	C.G.		Ann.	316 L	C.F.	Ann.
	302	P.G.		Ann.	321	C.F.	Ann.
	304	P.G.		Ann.	403	C.F.	Ann.
	304-L	P.G.	Ann.	410	C.F.	Ann.	
	302	C.F.	Ann.	416	C.F.	Ann.	
	304	C.F.	Ann.	416 HT RC 26/32	C.G.	H.T.	
	302 Hi tens	C.F.	"B"	430 F	C.F.	Ann.	
	304 Hi tens	C.F.	"B"	.3225"	13-8 MO V.M.	C.G.	Sol trt
	304 L	C.F.	Ann.	15-5 PH V.M.	C.G.	Sol trt	
	304 L Hi tens	C.F.	"B"	17-4 PH	C.G.	Sol trt	
	303 S	P.G.	Ann.	431	C.F.	Ann.	
	303 S	C.F.	Ann.	440 C	C.F.	Ann.	
303 S Hi tens	C.F.	"B"	455	C.G.	Ann.		
303 Sel	C.F.	Ann.	21/64"	13-8 MO V.M.	C.G.	Sol trt	
303 Sel Hi tens	C.F.	"B"		17-4 PH	C.G.	Sol trt	

Finish: C.D. - Cold Drawn

C.F. - Cold Finish

H.R. - Hot Rolled

C.G. - Centerless Ground

Condition: Ann. - Annealed

A&amp;P - Annealed &amp; Pickled

H.T. - Heat treated (RC 26/32)

Sol trt - Solution Treated

ESR - Electroslag Re-melt

Sel - Selenium

"B" - Hi Tensile

S - Sulfur

V.M. - Vacuum Arc Re-melt

P.G. - Precision Ground

L - Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
21/64"	303 S	C.F.	Ann.	3/8"	410	C.F.	Ann.	
	416	C.F.	Ann.		416	C.F.	Ann.	
	440 C	C.F.	Ann.		416	P.G.	Ann.	
11/32"	13-8 MO V.M.	C.G.	Sol trt		416 HT RC 26/32	C.G.	H.T.	
	17-4 PH	C.G.	Sol trt		418 (Greek Ascoloy)	C.G.	Ann.	
	302	C.F.	Ann.		420	C.F.	Ann.	
	304	C.F.	Ann.		420 F	C.F.	Ann.	
	304 L	C.F.	Ann.		422	C.F.	Ann.	
	303 S	C.F.	Ann.		430	C.F.	Ann.	
	303 S Hi tens	C.F.	"B"		430 F	C.F.	Ann.	
	303 Sel	C.F.	Ann.		431	C.F.	Ann.	
	416	C.F.	Ann.		440 A	C.F.	Ann.	
	416 HT RC 26/32	C.G.	H.T.		440 C	C.F.	Ann.	
	420	C.F.	Ann.		440 C	P.G.	Ann.	
	430	C.F.	Ann.		440 C V.M.	C.G.	Ann.	
	430 F	C.F.	Ann.		440 F Se	C.G.	Ann.	
	440 A	C.G.	Ann.		446	C.G.	Ann.	
	440 C	C.F.	Ann.		455	C.G.	Ann.	
440 F Se	C.G.	Ann.	FRY ALLOY 20		C.G.	Ann.		
23/64"	13-8 MO V.M.	C.G.	Sol trt		FRY ALLOY 40	C.G.	Ann.	
	17-4 PH	C.G.	Sol trt		FRY ALLOY 50	C.G.	Ann.	
	303 S	C.F.	Ann.		FRY ALLOY 60	C.G.	Ann.	
3/8"	13-8 MO V.M.	C.G.	Sol trt		.380"	15-5 PH V.M.	C.G.	Sol trt
	15-5 PH V.M.	C.G.	Sol trt			17-4 PH	C.G.	Sol trt
	17-4 PH	C.G.	Sol trt			302	C.F.	Ann.
	17-4 PH	C.G.	"H1150"			304	C.F.	Ann.
	17-4 PH	P.G.	Sol trt			302 Hi tens	C.F.	"B"
	17-7 PH	C.G.	Sol trt			304 Hi tens	C.F.	"B"
	AM 355	C.G.	Ann.			303 S	C.F.	Ann.
	302	P.G.	Ann.			303 Sel	C.F.	Ann.
	304	P.G.	Ann.			304 L	C.F.	Ann.
	304-L	P.G.	Ann.			304 L Hi tens	C.F.	"B"
	302	C.F.	Ann.	316		C.F.	Ann.	
	304	C.F.	Ann.	316 L		C.F.	Ann.	
	302 Hi tens	C.F.	"B"	403		C.F.	Ann.	
	304 Hi tens	C.F.	"B"	410		C.F.	Ann.	
	304 L	C.F.	Ann.	416		C.F.	Ann.	
	304 L V.M.	C.G.	Ann.	416 HT RC 26/32	C.G.	H.T.		
	304 L Hi tens	C.F.	"B"	420	C.F.	Ann.		
	303 S	P.G.	Ann.	430 F	C.F.	Ann.		
	303 S	C.F.	Ann.	.385"	13-8 MO V.M.	C.G.	Sol trt	
	303 S Hi tens	C.F.	"B"		15-5 PH V.M.	C.G.	Sol trt	
	303 Sel	C.F.	Ann.		431	C.F.	Ann.	
	303 Sel Hi tens	C.F.	"B"	440 C	C.F.	Ann.		
	303 Sel	P.G.	Ann.	455	C.G.	Ann.		
	310	C.F.	Ann.	25/64"	13-8 MO V.M.	C.G.	Sol trt	
	316	P.G.	Ann.		17-4 PH	C.G.	Sol trt	
	316 L	P.G.	Ann.		303 S	C.F.	Ann.	
	316	C.F.	Ann.	440 C	C.F.	Ann.		
	316 Hi tens	C.F.	"B"	13/32"	13-8 MO V.M.	C.G.	Sol trt	
	316 V.M.	C.G.	Ann.		17-4 PH	C.G.	Sol trt	
	316 L	C.F.	Ann.		302	C.F.	Ann.	
	316 L Hi tens	C.F.	"B"		304	C.F.	Ann.	
	316 L V.M.	C.G.	Ann.		304 L	C.F.	Ann.	
	317	C.F.	Ann.		303 S	C.F.	Ann.	
	317 L	C.F.	Ann.		303 Sel	C.F.	Ann.	
	321	C.F.	Ann.		303 Sel Hi tens	C.F.	"B"	
	330	C.F.	Ann.		416	C.F.	Ann.	
	347	C.F.	Ann.		416 HT RC 26/32	C.G.	H.T.	
	403	C.F.	Ann.		420	C.F.	Ann.	

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**ROUNDS**  
STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
13/32"	430	C.F.	Ann.	7/16"	Fry Alloy 40	C.G.	Ann.	
	430 F	C.F.	Ann.		.4425"	15-5 PH V.M.	C.G.	Sol trt
	440 A	C.G.	Ann.			17-4 PH	C.G.	Sol trt
	440 C	C.F.	Ann.			302	C.F.	Ann.
	440 F Se	C.G.	Ann.			304	C.F.	Ann.
				302 Hi tens		C.F.	"B"	
27/64"	13-8 MO V.M.	C.G.	Sol trt	304 Hi tens	C.F.	"B"		
	17-4 PH	C.G.	Sol trt	304 L	C.F.	Ann.		
	303 S	C.F.	Ann.	304 L Hi tens	C.F.	"B"		
7/16"	13-8 MO V.M.	C.G.	Sol trt	303 S	C.F.	Ann.		
	15-5 PH V.M.	C.G.	Sol trt	303 Sel	C.F.	Ann.		
	17-4 PH	C.G.	Sol trt	316	C.F.	Ann.		
	17-4 PH	C.G.	"H1150"	316 L	C.F.	Ann.		
	17-4 PH	P.G.	Sol trt	403	C.F.	Ann.		
	17-7 PH	C.G.	Sol trt	410	C.F.	Ann.		
	AM 355	C.G.	Ann.	416	C.F.	Ann.		
	302	P.G.	Ann.	416 HT RC 26/32	C.G.	H.T.		
	304	P.G.	Ann.	420	C.F.	Ann.		
	304-L	P.G.	Ann.	430 F	C.F.	Ann.		
	302	C.F.	Ann.	440 C	C.F.	Ann.		
	304	C.F.	Ann.					
	302 Hi tens	C.F.	"B"	.4475"	13-8 MO V.M.	C.G.	Sol trt	
	304 Hi tens	C.F.	"B"		15-5 PH V.M.	C.G.	Sol trt	
	304 L	C.F.	Ann.		431	C.F.	Ann.	
	304 L V.M.	C.G.	Ann.		440 C	C.F.	Ann.	
	304 L Hi tens	C.F.	"B"		455	C.G.	Ann.	
	303 S	P.G.	Ann.	29/64"	13-8 MO V.M.	C.G.	Sol trt	
	303 S	C.F.	Ann.		17-4 PH	C.G.	Sol trt	
	303 S Hi tens	C.F.	"B"		303 S	C.F.	Ann.	
	303 Sel	C.F.	Ann.		440 C	C.F.	Ann.	
	303 Sel Hi tens	C.F.	"B"					
	303 Sel	P.G.	Ann.	15/32"	13-8 MO V.M.	C.G.	Sol trt	
	316	P.G.	Ann.		17-4 PH	C.G.	Sol trt	
	316-L	P.G.	Ann.		302	C.F.	Ann.	
	316	C.F.	Ann.		304	C.F.	Ann.	
	316 Hi tens	C.F.	"B"		304 L	C.F.	Ann.	
	316 L	C.F.	Ann.		303 S	C.F.	Ann.	
	316 L Hi tens	C.F.	"B"		303 Sel	C.F.	Ann.	
	317	C.F.	Ann.		416 HT RC 26/32	C.G.	H.T.	
	317 L	C.F.	Ann.		420	C.F.	Ann.	
	321	C.F.	Ann.		430	C.F.	Ann.	
	330	C.F.	Ann.		430 F	C.F.	Ann.	
	347	C.F.	Ann.		440 A	C.G.	Ann.	
	403	C.F.	Ann.		440 C	C.F.	Ann.	
	410	C.F.	Ann.		440 F Se	C.G.	Ann.	
	416	C.F.	Ann.					
	416	P.G.	Ann.		31/64"	13-8 MO V.M.	C.G.	Sol trt
	416 HT RC 26/32	C.G.	H.T.	17-4 PH		C.G.	Sol trt	
	418 (Greek Ascology)	C.G.	Ann.	303 S		C.F.	Ann.	
	420	C.F.	Ann.	1/2"	13-8 MO V.M.	C.G.	Sol trt	
	422	C.F.	Ann.		15-5 PH	C.G.	"H1025"	
	430	C.F.	Ann.		15-5 PH V.M.	C.G.	Sol trt	
	430 F	C.F.	Ann.		17-4 PH	C.G.	Sol trt	
	431	C.F.	Ann.		17-4 PH	C.G.	"H1150"	
	440 A	C.G.	Ann.		17-4 PH	P.G.	Sol trt	
	440 C	C.F.	Ann.		17-7 PH	C.G.	Sol trt	
	440 C	P.G.	Ann.		AM 355	C.G.	Ann.	
	440 C V.M.	C.G.	Ann.		302	P.G.	Ann.	
	440 F Se	C.G.	Ann.		304	P.G.	Ann.	
	446	C.G.	Ann.		304-L	P.G.	Ann.	
455	C.G.	Ann.	302		C.F.	Ann.		
FRY ALLOY 20	C.G.	Ann.	304		C.F.	Ann.		

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C.F. - Cold Finish

H.R. - Hot Rolled

C.G. - Centerless Ground

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Sol trt - Solution Treated

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"B" - Hi Tensile

S - Sulfur

V.M. - Vacuum Arc Re-melt

P.G. - Precision Ground

L - Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1/2"	302 Hi tens	C.F.	"B"	.505"	316 L	C.G.	Ann.	
	304 Hi tens	C.F.	"B"		321	C.G.	Ann.	
	304 L	C.F.	Ann.		347	C.G.	Ann.	
	304 L V.M.	C.G.	Ann.		403	C.G.	Ann.	
	304 L Hi tens	C.F.	"B"		410	C.G.	Ann.	
	303 S	P.G.	Ann.		416	C.G.	Ann.	
	303 S	C.F.	Ann.		416 HT RC 26/32	C.G.	H.T.	
	303 S Hi tens	C.F.	"B"		420	C.G.	Ann.	
	303 Sel	C.F.	Ann.		430 F	C.G.	Ann.	
	303 Sel Hi tens	C.F.	"B"		440 C	C.G.	Ann.	
	303 Sel	P.G.	Ann.		.510"	13-8 MO V.M.	C.G.	Sol trt
	309	C.F.	Ann.			15-5 PH V.M.	C.G.	Sol trt
	310	C.F.	Ann.	431		C.G.	Ann.	
	316	P.G.	Ann.	455	C.G.	Ann.		
	316-L	P.G.	Ann.	33/64"	13-8 MO V.M.	C.G.	Sol trt	
	316	C.F.	Ann.		17-4 PH	C.G.	Sol trt	
	316 Hi tens	C.F.	"B"		303 S	C.G.	Ann.	
	316 V.M.	C.G.	Ann.		416	C.G.	Ann.	
	316 L	C.F.	Ann.	440 C	C.G.	Ann.		
	316 L Hi tens	C.F.	"B"	17/32"	13-8 MO V.M.	C.G.	Sol trt	
	316 L V.M.	C.G.	Ann.		17-4 PH	C.G.	Sol trt	
	317	C.F.	Ann.		302	C.G.	Ann.	
	317 L	C.F.	Ann.		304	C.G.	Ann.	
	321	C.F.	Ann.		304-L	C.G.	Ann.	
	330	C.F.	Ann.		303 S	C.G.	Ann.	
	347	C.F.	Ann.		303 Sel	C.G.	Ann.	
	403	C.F.	Ann.		416	C.G.	Ann.	
	410	C.F.	Ann.		416 HT RC 26/32	C.G.	H.T.	
	416	C.F.	Ann.		420	C.G.	Ann.	
	416	P.G.	Ann.		430	C.G.	Ann.	
	416 HT RC 26/32	C.G.	H.T.		430 F	C.G.	Ann.	
	418 (Greek Ascoloy)	C.G.	Ann.		440 A	C.G.	Ann.	
	420	C.F.	Ann.		440 C	C.G.	Ann.	
	420 F	C.F.	Ann.		440F Se	C.G.	Ann.	
	422	C.F.	Ann.		9/16"	13-8 MO V.M.	C.G.	Sol trt
	430	C.F.	Ann.			15-5 PH V.M.	C.G.	Sol trt
	430 F	C.F.	Ann.			17-4 PH	C.G.	Sol trt
	431	C.F.	Ann.	17-4 PH		C.G.	"H1150"	
	440 A	C.F.	Ann.	302		C.G.	Ann.	
	440 C	C.F.	Ann.	304		C.G.	Ann.	
	440 C	P.G.	Ann.	302 Hi tens		C.G.	"B"	
	440 C V.M.	C.G.	Ann.	304 Hi tens		C.G.	"B"	
	440 F Se	C.G.	Ann.	302		P.G.	Ann.	
	446	C.G.	Ann.	304		P.G.	Ann.	
	455	C.G.	Ann.	304 L		P.G.	Ann.	
	FRY ALLOY 20	C.G.	Ann.	304 L		C.G.	Ann.	
	FRY ALLOY 40	C.G.	Ann.	304 L Hi tens		C.G.	"B"	
	FRY ALLOY 50	C.G.	Ann.	303 S		P.G.	Ann.	
	FRY ALLOY 60	C.G.	Ann.	303 S		C.G.	Ann.	
	.505"	15-5 PH V.M.	C.G.	Sol trt		303 S Hi tens	C.G.	"B"
		17-4 PH	C.G.	Sol trt		303 Sel	C.G.	Ann.
		302	C.G.	Ann.		303 Sel Hi tens	C.G.	"B"
		304	C.G.	Ann.	303 Sel	P.G.	Ann.	
		302 Hi tens	C.G.	"B"	310	C.G.	Ann.	
304 Hi tens		C.G.	"B"	316	C.G.	Ann.		
304 L		C.G.	Ann.	316 Hi tens	C.G.	"B"		
304 L Hi tens		C.G.	"B"	316 V.M.	C.G.	Ann.		
303 S		C.G.	Ann.	316 L	C.G.	Ann.		
303 Sel		C.G.	Ann.	316 L Hi tens	C.G.	"B"		
316		C.G.	Ann.	316 L V.M.	C.G.	Ann.		

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## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
9/16"	317 L	C.G.	Ann.	5/8"	304-L	P.G.	Ann.
	317	C.G.	Ann.		303 S	C.G.	Ann.
	321	C.G.	Ann.		303 S Hi tens	C.G.	"B"
	347	C.G.	Ann.		303 S	P.G.	Ann.
	403	C.G.	Ann.		303 Sel	C.G.	Ann.
	410	C.G.	Ann.		303 Sel Hi tens	C.G.	"B"
	416	C.G.	Ann.		303 Sel	P.G.	Ann.
	416 HT RC 26/32	C.G.	H.T.		309	C.G.	Ann.
	418 (Greek Ascology)	C.G.	Ann.		310	C.G.	Ann.
	420	C.G.	Ann.		316	P.G.	Ann.
	430	C.G.	Ann.		316 L	P.G.	Ann.
	430 F	C.G.	Ann.		316	C.G.	Ann.
	431	C.G.	Ann.		316 Hi tens	C.G.	"B"
	440 A	C.G.	Ann.		316 V.M.	C.G.	Ann.
	440 C	C.G.	Ann.		316 L	C.G.	Ann.
	440 C V.M.	C.G.	Ann.		316 L Hi tens	C.G.	"B"
	440 F Se	C.G.	Ann.		316 L V.M.	C.G.	Ann.
	446	C.G.	Ann.		317	C.G.	Ann.
	FRY ALLOY 20	C.G.	Ann.		317 L	C.G.	Ann.
	FRY ALLOY 40	C.G.	Ann.		321	C.G.	Ann.
.5675"	15-5 PH V.M.	C.G.	Sol trt	347	C.G.	Ann.	
	17-4 PH	C.G.	Sol trt	403	C.G.	Ann.	
	302 Hi tens	C.G.	"B"	410	C.G.	Ann.	
	304 Hi tens	C.G.	"B"	416	C.G.	Ann.	
	304 L Hi tens	C.G.	"B"	416 HT RC 26/32	C.G.	H.T.	
	303 S	C.G.	Ann.	418 (Greek Ascology)	C.G.	Ann.	
	303 Sel	C.G.	Ann.	420	C.G.	Ann.	
	416 HT RC 26/32	C.G.	H.T.	420 F	C.G.	Ann.	
	440 C	C.G.	Ann.	422	C.G.	Ann.	
				430	C.G.	Ann.	
.5725"	13-8 MO V.M.	C.G.	Sol trt	430 F	C.G.	Ann.	
	431	C.G.	Ann.	431	C.G.	Ann.	
19/32"	13-8 MO V.M.	C.G.	Sol trt	440 A	C.G.	Ann.	
	17-4 PH	C.G.	Sol trt	440 C	C.G.	Ann.	
	302	C.G.	Ann.	440 C	P.G.	Ann.	
	304	C.G.	Ann.	440 C V.M.	C.G.	Ann.	
	304-L	C.G.	Ann.	440 F Se	C.G.	Ann.	
	303 S	C.G.	Ann.	446	C.G.	Ann.	
	303 Sel	C.G.	Ann.	455	C.G.	Ann.	
	416	C.G.	Ann.	FRY ALLOY 20	C.G.	Ann.	
	416 HT RC 26/32	C.G.	H.T.	FRY ALLOY 40	C.G.	Ann.	
	430	C.G.	Ann.	FRY ALLOY 50	C.G.	Ann.	
	430 F	C.G.	Ann.	FRY ALLOY 60	C.G.	Ann.	
	440 C	C.G.	Ann.				
5/8"	13-8 MO V.M.	C.G.	Sol trt	.630"	15-5 PH V.M.	C.G.	Sol trt
	15-5 PH V.M.	C.G.	Sol trt		17-4 PH	C.G.	Sol trt
	15-5 PH	C.G.	"H1025"		302	C.G.	Ann.
	17-4 PH	C.G.	Sol trt		304	C.G.	Ann.
	17-4 PH	C.G.	"H1150"		302 Hi tens	C.G.	"B"
	17-4 PH	C.G.	"H1150"		304 Hi tens	C.G.	"B"
	17-4 PH	P.G.	Sol trt		304 L	C.G.	Ann.
	17-7 PH	C.G.	Sol trt		304 L Hi tens	C.G.	"B"
	AM 355	C.G.	Ann.		303 S	C.G.	Ann.
	302	C.G.	Ann.		303 Sel	C.G.	Ann.
	304	C.G.	Ann.		303 Sel Hi tens	C.G.	"B"
	302 Hi tens	C.G.	"B"		316	C.G.	Ann.
	304 Hi tens	C.G.	"B"		316 L	C.G.	Ann.
	304 L	C.G.	Ann.		403	C.G.	Ann.
	304 L V.M.	C.G.	Ann.		410	C.G.	Ann.
	304 L Hi tens	C.G.	"B"		416	C.G.	Ann.
	302	P.G.	Ann.		416 HT RC 26/32	C.G.	H.T.
	304	P.G.	Ann.		430 F	C.G.	Ann.

Finish: C.D. - Cold Drawn  
C.F. - Cold Finish  
H.R. - Hot Rolled  
C.G. - Centerless Ground

Condition: Ann. - Annealed  
A&P - Annealed & Pickled  
H.T. - Heat treated (RC 26/32)  
Sol trt - Solution Treated

ESR - Electroslag Re-melt  
Sel - Selenium  
"B" - Hi Tensile  
S - Sulfur

V.M. - Vacuum Arc Re-melt  
P.G. - Precision Ground  
L - Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
.630"	440 C	C.G.	Ann.	.6925"	15-5 PH V.M.	C.G.	Sol trt	
.635"	13-8 MO V.M.	C.G.	Sol trt		17-4 PH	C.G.	Sol trt	
	15-5 PH V.M.	C.G.	Sol trt	23/32"		13-8 MO V.M.	C.G.	Sol trt
	431	C.G.	Ann.		17-4 PH	C.G.	Sol trt	
	455	C.G.	Ann.	302	C.G.	Ann.		
41/64"	13-8 MO V.M.	C.G.	Sol trt	304	C.G.	Ann.		
21/32"	13-8 MO V.M.	C.G.	Sol trt	304-L	C.G.	Ann.		
	17-4 PH	C.G.	Sol trt	303 S	C.G.	Ann.		
	302	C.G.	Ann.	416	C.G.	Ann.		
	304	C.G.	Ann.	430 F	C.G.	Ann.		
	304-L	C.G.	Ann.	440 C	C.G.	Ann.		
	303 S	C.G.	Ann.	3/4"	13-8 MO V.M.	C.G.	Sol trt	
	303 Sel	C.G.	Ann.		15-5 PH V.M.	C.G.	Sol trt	
	416	C.G.	Ann.		15-5 PH	C.G.	"H1025"	
	416 HT RC 26/32	C.G.	H.T.		17-4 PH	C.G.	Sol trt	
	430 F	C.G.	Ann.		17-4 PH	C.G.	"H1150"	
	440 C	C.G.	Ann.		17-4 PH	P.G.	Sol trt	
	11/16"	13-8 MO V.M.	C.G.		Sol trt	17-7 PH	C.G.	Sol trt
		15-5 PH V.M.	C.G.		Sol trt	AM 355	C.G.	Ann.
17- 4 PH		C.G.	Sol trt		302	C.G.	Ann.	
17-4 PH		C.G.	"H1150"		304	C.G.	Ann.	
302		C.G.	Ann.		302 Hi tens	C.G.	"B"	
304		C.G.	Ann.		304 Hi tens	C.G.	"B"	
302 Hi tens		C.G.	"B"		304 L	C.G.	Ann.	
304 Hi tens		C.G.	"B"	304 L V.M.	C.G.	Ann.		
304 L		C.G.	Ann.	304 L Hi tens	C.G.	"B"		
304 L Hi tens		C.G.	"B"	302	P.G.	Ann.		
303 S		C.G.	Ann.	304	P.G.	Ann.		
303 S Hi tens		C.G.	"B"	304-L	P.G.	Ann.		
303 S		P.G.	Ann.	303 S	C.G.	Ann.		
303 Sel		C.G.	Ann.	303 S Hi tens	C.G.	"B"		
303 Sel Hi tens		C.G.	"B"	303 S	P.G.	Ann.		
316		C.G.	Ann.	303 Sel	C.G.	Ann.		
316 Hi tens		C.G.	"B"	303 Sel Hi tens	C.G.	"B"		
316 L		C.G.	Ann.	303 Sel	P.G.	Ann.		
316 L Hi tens		C.G.	"B"	309	C.G.	Ann.		
317		C.G.	Ann.	310	C.G.	Ann.		
317 L		C.G.	Ann.	316	P.G.	Ann.		
321		C.G.	Ann.	316 L	P.G.	Ann.		
347		C.G.	Ann.	316	C.G.	Ann.		
403		C.G.	Ann.	316 Hi tens	C.G.	"B"		
410		C.G.	Ann.	316 V.M.	C.G.	Ann.		
416		C.G.	Ann.	316 L	C.G.	Ann.		
416 HT RC 26/32		C.G.	H.T.	316 L Hi tens	C.G.	"B"		
418 (Greek Ascoloy)		C.G.	Ann.	316 L V.M.	C.G.	Ann.		
420		C.G.	Ann.	317	C.G.	Ann.		
420 F		C.G.	Ann.	317 L	C.G.	Ann.		
422		C.G.	Ann.	321	C.G.	Ann.		
430		C.G.	Ann.	330	C.G.	Ann.		
430 F		C.G.	Ann.	347	C.G.	Ann.		
431		C.G.	Ann.	403	C.G.	Ann.		
440 A		C.G.	Ann.	410	C.G.	Ann.		
440 C		C.G.	Ann.	416	C.G.	Ann.		
440 F Se		C.G.	Ann.	416 HT RC 26/32	C.G.	H.T.		
446		C.G.	Ann.	418 (Greek Ascoloy)	C.G.	Ann.		
455		C.G.	Ann.	420	C.G.	Ann.		
FRY ALLOY 40		C.G.	Ann.	420 F	C.G.	Ann.		
.6925"	13-8 MO V.M.	C.G.	Sol trt	422	C.G.	Ann.		
				430	C.G.	Ann.		
				430 F	C.G.	Ann.		

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## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
3/4"	431	C.G.	Ann.	13/16"	303 Sel Hi tens	C.G.	"B"	
	440 A	C.G.	Ann.		316	C.G.	Ann.	
	440 C	C.G.	Ann.		316 Hi tens	C.G.	"B"	
	440 C V.M.	C.G.	Ann.		316 V.M.	C.G.	Ann.	
	440 F Se	C.G.	Ann.		316 L	C.G.	Ann.	
	446	C.G.	Ann.		316 L Hi tens	C.G.	"B"	
	455	C.G.	Ann.		316 L V.M.	C.G.	Ann.	
	465	C.G.	Ann.		321	C.G.	Ann.	
	FRY ALLOY 20	C.G.	Ann.		347	C.G.	Ann.	
	FRY ALLOY 40	C.G.	Ann.		403	C.G.	Ann.	
	FRY ALLOY 50	C.G.	Ann.		410	C.G.	Ann.	
	FRY ALLOY 60	C.G.	Ann.		416	C.G.	Ann.	
	.755"	15-5 PH V.M.	C.G.		Sol trt	416 HT RC 26/32	C.G.	H.T.
		17-4 PH	C.G.		Sol trt	418 (Greek Ascology)	C.G.	Ann.
302		C.G.	Ann.	420	C.G.	Ann.		
304		C.G.	Ann.	420 F	C.G.	Ann.		
302 Hi tens		C.G.	"B"	422	C.G.	Ann.		
304 Hi tens		C.G.	"B"	430 F	C.G.	Ann.		
304 L		C.G.	Ann.	431	C.G.	Ann.		
304 L Hi tens		C.G.	"B"	440 A	C.G.	Ann.		
303 S		C.G.	Ann.	440 C	C.G.	Ann.		
303 Sel		C.G.	Ann.	440 F Se	C.G.	Ann.		
316		C.G.	Ann.	446	C.G.	Ann.		
316 L		C.G.	Ann.	455	C.G.	Ann.		
321		C.G.	Ann.	FRY ALLOY 40	C.G.	Ann.		
403		C.G.	Ann.	.8175"	13-8 MO V.M.	C.G.	Sol trt	
410		C.G.	Ann.		440 C	C.G.	Ann.	
416		C.G.	Ann.	27/32"	13-8 MO V.M.	C.G.	Sol trt	
416 HT RC 26/32		C.G.	H.T.		17-4 PH	C.G.	Sol trt	
430 F		C.G.	Ann.		302	C.G.	Ann.	
440 C	C.G.	Ann.	304		C.G.	Ann.		
.760"	13-8 MO V.M.	C.G.	Sol trt		304-L	C.G.	Ann.	
	15-5 PH V.M.	C.G.	Sol trt	303 S	C.G.	Ann.		
	431	C.G.	Ann.	416	C.G.	Ann.		
455	C.G.	Ann.	440 C	C.G.	Ann.			
.765"	17-4 PH	C.G.	Sol trt	7/8"	13-8 MO V.M.	C.G.	Sol trt	
49/64"	13-8 MO V.M.	C.G.	Sol trt		15-5 PH V.M.	C.G.	Sol trt	
25/32"	13-8 MO V.M.	C.G.	Sol trt		15-5 PH	C.G.	"H1025"	
	17-4 PH	C.G.	Sol trt		17-4 PH	C.G.	Sol trt	
	302	C.G.	Ann.		17-4 PH	C.G.	"H1150"	
	304	C.G.	Ann.		17-4 PH	P.G.	Sol trt	
	304-L	C.G.	Ann.		17-7 PH	C.G.	Sol trt	
	303 S	C.G.	Ann.		AM 355	C.G.	Ann.	
416	C.G.	Ann.	302		C.G.	Ann.		
430 F	C.G.	Ann.	304		C.G.	Ann.		
440 C	C.G.	Ann.	302 Hi tens		C.G.	"B"		
13/16"	13-8 MO V.M.	C.G.	Sol trt		304 Hi tens	C.G.	"B"	
	15-5 PH V.M.	C.G.	Sol trt		304 L	C.G.	Ann.	
	17-4 PH	C.G.	Sol trt		304 L V.M.	C.G.	Ann.	
	17-4 PH	C.G.	"H1150"	304 L Hi tens	C.G.	"B"		
	302	C.G.	Ann.	302	P.G.	Ann.		
	304	C.G.	Ann.	304	P.G.	Ann.		
	302 Hi tens	C.G.	"B"	304-L	P.G.	Ann.		
	304 Hi tens	C.G.	"B"	303 S	C.G.	Ann.		
	304 L	C.G.	Ann.	303 S Hi tens	C.G.	"B"		
	304 L Hi tens	C.G.	"B"	303 S	P.G.	Ann.		
	303 S	C.G.	Ann.	303 Sel	C.G.	Ann.		
	303 S Hi tens	C.G.	"B"	303 Sel Hi tens	C.G.	"B"		
	303 Sel	C.G.	Ann.	309	C.G.	Ann.		

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"B" – Hi Tensile  
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P.G. – Precision Ground  
L – Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.		
7/8"	310	C.G.	Ann.	15/16"	302 Hi tens	C.G.	"B"		
	316	C.G.	Ann.		304 Hi tens	C.G.	"B"		
	316 Hi tens	C.G.	"B"		304 L	C.G.	Ann.		
	316 V.M.	C.G.	Ann.		304 L Hi tens	C.G.	"B"		
	316 L	C.G.	Ann.		303 S	C.G.	Ann.		
	316 L Hi tens	C.G.	"B"		303 Sel	C.G.	Ann.		
	316 L V.M.	C.G.	Ann.		303 Sel Hi tens	C.G.	"B"		
	317	C.G.	Ann.		316	C.G.	Ann.		
	317 L	C.G.	Ann.		316 L	C.G.	Ann.		
	321	C.G.	Ann.		321	C.G.	Ann.		
	347	C.G.	Ann.		347	C.G.	Ann.		
	403	C.G.	Ann.		403	C.G.	Ann.		
	410	C.G.	Ann.		410	C.G.	Ann.		
	416	C.G.	Ann.		416	C.G.	Ann.		
	416 HT RC 26/32	C.G.	H.T.		416 HT RC 26/32	C.G.	H.T.		
	418 (Greek Ascoloy)	C.G.	Ann.		420	C.G.	Ann.		
	420	C.G.	Ann.		430 F	C.G.	Ann.		
	420 F	C.G.	Ann.		431	C.G.	Ann.		
	422	C.G.	Ann.		440 A	C.G.	Ann.		
	430	C.G.	Ann.		440 C	C.G.	Ann.		
	430 F	C.G.	Ann.		440 F Se	C.G.	Ann.		
	431	C.G.	Ann.		446	C.G.	Ann.		
	440 A	C.G.	Ann.		FRY ALLOY 40	C.G.	Ann.		
	440 C	C.G.	Ann.						
	440 C V.M.	C.G.	Ann.						
	440 F Se	C.G.	Ann.						
	446	C.G.	Ann.						
	455	C.G.	Ann.						
	FRY ALLOY 20	C.G.	Ann.						
	FRY ALLOY 40	C.G.	Ann.						
	FRY ALLOY 50	C.G.	Ann.						
	FRY ALLOY 60	C.G.	Ann.						
	.880"	17-4 PH	C.G.		Sol trt	31/32"	17-4 PH	C.G.	Sol trt
302		C.G.	Ann.	302	C.G.		Ann.		
304		C.G.	Ann.	304	C.G.		Ann.		
302 Hi tens		C.G.	"B"	304-L	C.G.		Ann.		
304 Hi tens		C.G.	"B"	303 S	C.G.		Ann.		
304 L		C.G.	Ann.	416	C.G.		Ann.		
304 L Hi tens		C.G.	"B"	440 C	C.G.		Ann.		
303 S		C.G.	Ann.						
416		C.G.	Ann.						
440 C		C.G.	Ann.						
.885"		13-8 MO V.M.	C.G.	Sol trt	1"		13-8 MO V.M.	C.G.	Sol trt
		15-5 PH V.M.	C.G.	Sol trt			15-5 PH V.M.	C.G.	Sol trt
29/32"		13-8 MO V.M.	C.G.	Sol trt			15-5 PH ESR	C.G.	Sol trt
		17-4 PH	C.G.	Sol trt			15-5 PH	C.G.	"H1025"
		302	C.G.	Ann.			17-4 PH	C.G.	Sol trt
	304	C.G.	Ann.	17-4 PH		C.G.	"H1150"		
	304-L	C.G.	Ann.	17-4 PH		P.G.	Sol trt		
	303 S	C.G.	Ann.	17-7 PH		C.G.	Sol trt		
	416	C.G.	Ann.	AM 355		C.G.	Ann.		
440 C	C.G.	Ann.	302	C.G.		Ann.			
15/16"	13-8 MO V.M.	C.G.	Sol trt	304		C.G.	Ann.		
	15-5 PH V.M.	C.G.	Sol trt	302 Hi tens		C.G.	"B"		
	15-5 PH ESR	C.G.	Sol trt	304 Hi tens		C.G.	"B"		
	17-4 PH	C.G.	Sol trt	304 L		C.G.	Ann.		
	17-4	C.G.	"H1150"	304 L V.M.		C.G.	Ann.		
	302	C.G.	Ann.	304 L Hi tens	C.G.	"B"			
	304	C.G.	Ann.	302	P.G.	Ann.			
				304	P.G.	Ann.			
				304-L	P.G.	Ann.			
				303 S	C.G.	Ann.			
				303 S Hi tens	C.G.	"B"			
				303 S	P.G.	Ann.			
				303 Sel	C.G.	Ann.			
				303 Sel Hi tens	C.G.	"B"			
				303 Sel	P.G.	Ann.			
			309	C.G.	Ann.				
			310	C.G.	Ann.				
			316	P.G.	Ann.				

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## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1"	316 L	P.G.	Ann.	1-1/16"	304 Hi tens	C.G.	"B"	
	316	C.G.	Ann.		304 L	C.G.	Ann.	
	316 Hi tens	C.G.	"B"		304 L Hi tens	C.G.	"B"	
	316 V.M.	C.G.	Ann.		303 S	C.G.	Ann.	
	316 L	C.G.	Ann.		303 S Hi tens	C.G.	"B"	
	316 L Hi tens	C.G.	"B"		303 Sel	C.G.	Ann.	
	316 L V.M.	C.G.	Ann.		316	C.G.	Ann.	
	317	C.G.	Ann.		316 Hi tens	C.G.	"B"	
	317 L	C.G.	Ann.		316 L	C.G.	Ann.	
	321	C.G.	Ann.		316 L Hi tens	C.G.	"B"	
	330	C.G.	Ann.		321	C.G.	Ann.	
	347	C.G.	Ann.		347	C.G.	Ann.	
	403	C.G.	Ann.		403	C.G.	Ann.	
	410	C.G.	Ann.		410	C.G.	Ann.	
	416	C.G.	Ann.		416	C.G.	Ann.	
	416 HT RC 26/32	C.G.	H.T.		416 HT RC 26/32	C.G.	H.T.	
	418 (Greek Ascology)	C.G.	Ann.		418 (Greek Ascology)	C.G.	Ann.	
	420	C.G.	Ann.		420	C.G.	Ann.	
	465	C.G.	Ann.		430 F	C.G.	Ann.	
	420 F	C.G.	Ann.		431	C.G.	Ann.	
	422	C.G.	Ann.		440 C	C.G.	Ann.	
	430	C.G.	Ann.		440 C V.M.	C.G.	Ann.	
	430 F	C.G.	Ann.		446	C.G.	Ann.	
	431	C.G.	Ann.		1-1/8"	13-8 MO V.M.	C.G.	Sol trt
	440 A	C.G.	Ann.			15-5 PH V.M.	C.G.	Sol trt
	440 C	C.G.	Ann.			15-5 PH ESR	C.G.	Sol trt
	440 C V.M.	C.G.	Ann.			15-5 PH	C.G.	"H1025"
	440 F Se	C.G.	Ann.			17-4 PH	C.G.	Sol trt
	446	C.G.	Ann.			17-4 PH	C.G.	"H1150"
	455	C.G.	Ann.			17-7 PH	C.G.	Sol trt
	FRY ALLOY 20	C.G.	Ann.			AM 355	C.G.	Ann.
	FRY ALLOY 40	C.G.	Ann.			302	C.G.	Ann.
	FRY ALLOY 50	C.G.	Ann.			304	C.G.	Ann.
	FRY ALLOY 60	C.G.	Ann.			302 Hi tens	C.G.	"B"
1.005"	15-5 PH V.M.	C.G.	Sol trt	304 Hi tens		C.G.	"B"	
	17-4 PH	C.G.	Sol trt	304 L		C.G.	Ann.	
	302	C.G.	Ann.	304 L V.M.		C.G.	Ann.	
	304	C.G.	Ann.	304 L Hi tens		C.G.	"B"	
	302 Hi tens	C.G.	"B"	303 S		C.G.	Ann.	
	304 Hi tens	C.G.	"B"	303 S Hi tens		C.G.	"B"	
	304 L	C.G.	Ann.	303 Sel		C.G.	Ann.	
	304 L Hi tens	C.G.	"B"	303 Sel Hi tens		C.G.	"B"	
	303 S	C.G.	Ann.	310		C.G.	Ann.	
	303 Sel	C.G.	Ann.	316		C.G.	Ann.	
	316	C.G.	Ann.	316 Hi tens		C.G.	"B"	
	316 L	C.G.	Ann.	316 V.M.		C.G.	Ann.	
	416	C.G.	Ann.	316 L		C.G.	Ann.	
	416 HT RC 26/32	C.G.	H.T.	316 L Hi tens		C.G.	"B"	
	430 F	C.G.	Ann.	316 L V.M.		C.G.	Ann.	
	440 C	C.G.	Ann.	317		C.G.	Ann.	
1.010"	13-8 MO V.M.	C.G.	Sol trt	317 L		C.G.	Ann.	
	15-5 PH V.M.	C.G.	Sol trt	321	C.G.	Ann.		
1.015"	416 HT RC 26/32	C.G.	H.T.	347	C.G.	Ann.		
	1-1/16"	13-8 MO V.M.	C.G.	Sol trt	403	C.G.	Ann.	
15-5 PH V.M.		C.G.	Sol trt	410	C.G.	Ann.		
17-4 PH		C.G.	Sol trt	416	C.G.	Ann.		
302		C.G.	Ann.	416 HT RC 26/32	C.G.	H.T.		
304		C.G.	Ann.	418 (Greek Ascology)	C.G.	Ann.		
302 Hi tens	C.G.	"B"	420	C.G.	Ann.			
				420 F	C.G.	Ann.		

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C.F. - Cold Finish  
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Sel - Selenium  
"B" - Hi Tensile  
S - Sulfer

V.M. - Vacuum Arc Re-melt  
P.G. - Precision Ground  
L - Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
1-1/8"	422	C.G.	Ann.	1-1/4"	303 Sel	C.G.	Ann.
	430	C.G.	Ann.		303 Sel Hi tens	C.G.	"B"
	430 F	C.G.	Ann.		309	C.G.	Ann.
	431	C.G.	Ann.		310	C.G.	Ann.
	440 C	C.G.	Ann.		316	C.G.	Ann.
	440 C V.M.	C.G.	Ann.		316 Hi tens	C.G.	"B"
	440 F Se	C.G.	Ann.		316 V.M.	C.G.	Ann.
	446	C.G.	Ann.		316 L	C.G.	Ann.
	455	C.G.	Ann.		316 L Hi tens	C.G.	"B"
	FRY ALLOY 20	C.G.	Ann.		316 L V.M.	C.G.	Ann.
	FRY ALLOY 40	C.G.	Ann.		317	C.G.	Ann.
	FRY ALLOY 60	C.G.	Ann.		317 L	C.G.	Ann.
	1.135"	13-8 MO V.M.	C.G.		Sol trt	321	C.G.
1-3/16"	13-8 MO V.M.	C.G.	Sol trt	330	C.G.	Ann.	
	15-5 PH V.M.	C.G.	Sol trt	347	C.G.	Ann.	
	17-4 PH	C.G.	Sol trt	403	C.G.	Ann.	
	302	C.G.	Ann.	410	C.G.	Ann.	
	304	C.G.	Ann.	416	C.G.	Ann.	
	304 L	C.G.	Ann.	416 HT RC 26/32	C.G.	H.T.	
	303 S	C.G.	Ann.	418 (Greek Ascoloy)	C.G.	Ann.	
	303 Sel	C.G.	Ann.	420	C.G.	Ann.	
	303 Sel Hi tens	C.G.	"B"	420 F	C.G.	Ann.	
	316	C.G.	Ann.	422	C.G.	Ann.	
	316 Hi tens	C.G.	"B"	430	C.G.	Ann.	
	316 L	C.G.	Ann.	430 F	C.G.	Ann.	
	316 L Hi tens	C.G.	"B"	431	C.G.	Ann.	
	321	C.G.	Ann.	440 A	C.G.	Ann.	
	347	C.G.	Ann.	440 C	C.G.	Ann.	
	403	C.G.	Ann.	440 C V.M.	C.G.	Ann.	
	410	C.G.	Ann.	440 F Se	C.G.	Ann.	
	416	C.G.	Ann.	446	C.G.	Ann.	
	416 HT RC 26/32	C.G.	H.T.	455	C.G.	Ann.	
	420	C.G.	Ann.	465	C.G.	Ann.	
	430 F	C.G.	Ann.	FRY ALLOY 20	C.G.	Ann.	
	431	C.G.	Ann.	FRY ALLOY 40	C.G.	Ann.	
	440 C	C.G.	Ann.	FRY ALLOY 50	C.G.	Ann.	
	440 C V.M.	C.G.	Ann.	FRY ALLOY 60	C.G.	Ann.	
	446	C.G.	Ann.				
	455	C.G.	Ann.				
FRY ALLOY 40	C.G.	Ann.					
1-1/4"	13-8 MO V.M.	C.G.	Sol trt	1.260"	13-8 MO V.M.	C.G.	Sol trt
	15-5 PH V.M.	C.G.	Sol trt		15-5 PH V.M.	C.G.	Sol trt
	15-5 PH ESR	C.G.	Sol trt		302 Hi tens	C.G.	"B"
	15-5 PH	C.G.	"H1025"		304 Hi tens	C.G.	"B"
	17-4 PH	C.G.	Sol trt	304 L Hi tens	C.G.	"B"	
	17-4 PH	C.G.	"H1150"				
	17-7 PH	C.G.	Sol trt	1.265"	17-4 PH	C.G.	Sol trt
	AM 355	C.G.	Ann.				
	302	C.G.	Ann.	1-5/16"	13-8 MO V.M.	C.G.	Sol trt
	304	C.G.	Ann.		15-5 PH V.M.	C.G.	Sol trt
	304 Hi tens	C.G.	"B"		17-4 PH	C.G.	Sol trt
	304 Hi tens	C.G.	"B"		302	C.G.	Ann.
	304 L	C.G.	Ann.		304	C.G.	Ann.
304 L V.M.	C.G.	Ann.	304 L		C.G.	Ann.	
304 L Hi tens	C.G.	"B"	303 S		C.G.	Ann.	
303 S	C.G.	Ann.	303 Sel		C.G.	Ann.	
303 S Hi tens	C.G.	"B"	303 Sel Hi tens		C.G.	"B"	
303 S	P.G.	Ann.	316		C.G.	Ann.	
			316 L		C.G.	Ann.	
			321		C.G.	Ann.	
			347		C.G.	Ann.	
			403	C.G.	Ann.		
			410	C.G.	Ann.		
			416	C.G.	Ann.		

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## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
1-5/16"	416 HT RC 26/32	C.G.	H.T.	1-7/16"	302	C.G.	Ann.
	420	C.G.	Ann.		304	C.G.	Ann.
	430	C.G.	Ann.		304 L	C.G.	Ann.
	430-F	C.G.	Ann.		303 S	C.G.	Ann.
	431	C.G.	Ann.		303 Sel	C.G.	Ann.
	440 C	C.G.	Ann.		316	C.G.	Ann.
	440 C V.M. FRY ALLOY 40	C.G. C.G.	Ann. Ann.		316 L	C.G.	Ann.
1-3/8"	13-8 MO V.M.	C.G.	Sol trt	1-7/16"	321	C.G.	Ann.
	15-5 PH V.M.	C.G.	Sol trt		347	C.G.	Ann.
	15-5 PH ESR	C.G.	Sol trt		403	C.G.	Ann.
	15-5 PH	C.G.	"H1025"		410	C.G.	Ann.
	17-4 PH	C.G.	Sol trt		416	C.G.	Ann.
	17-4 PH	C.G.	"H1150"		416 HT RC 26/32	C.G.	H.T.
	AM 355	C.G.	Ann.		420	C.G.	Ann.
	302	C.G.	Ann.	430	C.G.	Ann.	
	304	C.G.	Ann.	431	C.G.	Ann.	
	302 Hi tens	C.G.	"B"	440 C	C.G.	Ann.	
	304 Hi tens	C.G.	"B"	1-1/2"	13-8 MO V.M.	C.G.	Sol trt
	304 L	C.G.	Ann.		15-5 PH V.M.	C.G.	Sol trt
	304 L V.M.	C.G.	Ann.		15-5 PH ESR	C.G.	Sol trt
	304 L Hi tens	C.G.	"B"		15-5 PH	C.G.	"H1025"
	303 S	C.G.	Ann.		17-4 PH	C.G.	Sol trt
	303 Sel	C.G.	Ann.		17-4 PH	C.G.	"H1150"
	303 Sel Hi tens	C.G.	"B"		17-7 PH	C.G.	Sol trt
	310	C.G.	Ann.		AM 355	C.G.	Ann.
	316	C.G.	Ann.		302	C.G.	Ann.
	316 Hi tens	C.G.	"B"		304	C.G.	Ann.
	316 V.M.	C.G.	Ann.		302 Hi tens	C.G.	"B"
	316 L	C.G.	Ann.		304 Hi tens	C.G.	"B"
	316 L Hi tens	C.G.	"B"		304 L	C.G.	Ann.
	316 L V.M.	C.G.	Ann.		304 L V.M.	C.G.	Ann.
	317	C.G.	Ann.		304 L Hi tens	C.G.	"B"
	317 L	C.G.	Ann.		303 S	C.G.	Ann.
	321	C.G.	Ann.		303 S Hi tens	C.G.	"B"
	347	C.G.	Ann.		303 Sel	C.G.	Ann.
	403	C.G.	Ann.		303 Sel Hi ten	C.G.	"B"
	410	C.G.	Ann.		309	C.G.	Ann.
	416	C.G.	Ann.		310	C.G.	Ann.
	416 HT RC 26/32	C.G.	H.T.		316	C.G.	Ann.
	418 (Greek Ascoloy)	C.G.	Ann.		316 Hi tens	C.G.	"B"
	420	C.G.	Ann.		316 V.M.	C.G.	Ann.
	420 F	C.G.	Ann.		316 L	C.G.	Ann.
422	C.G.	Ann.	316 L Hi tens		C.G.	"B"	
430	C.G.	Ann.	316 L V.M.		C.G.	Ann.	
430 F	C.G.	Ann.	317		C.G.	Ann.	
431	C.G.	Ann.	317 L		C.G.	Ann.	
440 C	C.G.	Ann.	321		C.G.	Ann.	
440 C V.M.	C.G.	Ann.	330		C.G.	Ann.	
440 F Se	C.G.	Ann.	347		C.G.	Ann.	
455	C.G.	Ann.	403		C.G.	Ann.	
FRY ALLOY 20	C.G.	Ann.	410		C.G.	Ann.	
FRY ALLOY 40	C.G.	Ann.	416		C.G.	Ann.	
FRY ALLOY 50	C.G.	Ann.	416 HT RC 26/3	C.G.	H.T.		
FRY ALLOY 60	C.G.	Ann.	418 (Greek Ascoloy)	C.G.	Ann.		
1.385"	13-8 MO V.M.	C.G.	Sol trt	420	C.G.	Ann.	
	13-8 MO V.M.	C.G.	Sol trt	420 F	C.G.	Ann.	
1-7/16"	15-5 PH V.M.	C.G.	Sol trt	422	C.G.	Ann.	
	17-4 PH	C.G.	Sol trt	430	C.G.	Ann.	

Finish: C.D. – Cold Drawn  
C.F. – Cold Finish  
H.R. – Hot Rolled  
C.G. – Centerless Ground

Condition: Ann. – Annealed  
A&P – Annealed & Pickled  
H.T. – Heat treated (RC 26/32)  
Sol trt – Solution Treated

ESR – Electroslag Re-melt  
Sel – Selenium  
"B" – Hi Tensile  
S – Sulfur

V.M. – Vacuum Arc Re-melt  
P.G. – Precision Ground  
L – Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1-1/2"	430 F	C.G.	Ann.	1-5/8"	416 HT RC 26/32	C.G.	H.T.	
	431	C.G.	Ann.		418 (Greek Ascoloy)	C.G.	Ann.	
	440 A	C.G.	Ann.		420	C.G.	Ann.	
	440 C	C.G.	Ann.		420 F	C.G.	Ann.	
	440 C V.M.	C.G.	Ann.		430	C.G.	Ann.	
	440 F Se	C.G.	Ann.		430 F	C.G.	Ann.	
	446	C.G.	Ann.		431	R.T.	Ann.	
	455	C.G.	Ann.		440 C	C.G.	Ann.	
	465	C.G.	Ann.		440 F Se	C.G.	Ann.	
	FRY ALLOY 20	C.G.	Ann.		455	C.G.	Ann.	
	FRY ALLOY 40	C.G.	Ann.		FRY ALLOY 40	C.G.	Ann.	
	FRY ALLOY 50	C.G.	Ann.					
	FRY ALLOY 60	C.G.	Ann.					
1.510"	13-8 MO V.M.	C.G.	Sol trt	1-11/16"	13-8 MO V.M.	C.G.	Sol trt	
1.515"	17-4 PH	C.G.	Sol trt		15-5 PH V.M.	C.G.	Sol trt	
					17-4 PH	C.G.	Sol trt	
1-9/16"	302	C.G.	Ann.		302	C.G.	Ann.	
	304	C.G.	Ann.		304	C.G.	Ann.	
	304 L	C.G.	Ann.		304 L	C.G.	Ann.	
	303 S	C.G.	Ann.		303 S	C.G.	Ann.	
	303 Sel	C.G.	Ann.		303 Sel	C.G.	Ann.	
	316	C.G.	Ann.		316	C.G.	Ann.	
	316 L	C.G.	Ann.		316 L	C.G.	Ann.	
	321	C.G.	Ann.	403	C.G.	Ann.		
	403	C.G.	Ann.	410	C.G.	Ann.		
	410	C.G.	Ann.	416	C.G.	Ann.		
	416	C.G.	Ann.	416 HT RC 26/32	C.G.	H.T.		
	416 HT RC 26/32	C.G.	H.T.	440 C	C.G.	Ann.		
	420	C.G.	Ann.					
	440 C	C.G.	Ann.					
	1-5/8"	13-8 MO V.M.	C.G.	Sol trt	1-3/4"	13-8 MO V.M.	C.G.	Sol trt
		15-5 PH V.M.	C.G.	Sol trt		15-5 PH V.M.	C.G.	Sol trt
		15-5 PH ESR	C.G.	Sol trt		15-5 PH ESR	C.G.	Sol trt
15-5 PH		C.G.	"H1025"	15-5 PH		C.G.	"H1025"	
17-4 PH		C.G.	Sol trt	17-4 PH		C.G.	Sol trt	
17-4 PH		C.G.	"H1150"	17-4 PH		C.G.	"H1150"	
AM 355		C.G.	Ann.	17-7 PH		C.G.	Sol trt	
302		C.G.	Ann.	AM 355		C.G.	Ann.	
304		C.G.	Ann.	302		C.G.	Ann.	
304 L		C.G.	Ann.	304		C.G.	Ann.	
304 L V.M.		C.G.	Ann.	304 L		C.G.	Ann.	
303 S		C.G.	Ann.	304 L V.M.		C.G.	Ann.	
303 Sel		C.G.	Ann.	303 S		C.G.	Ann.	
303 Sel Hi tens		C.G.	"B"	303 S Hi tens		C.G.	"B"	
310		C.G.	Ann.	303 Sel		C.G.	Ann.	
316		C.G.	Ann.	303 Sel Hi tens		C.G.	"B"	
316 V.M.		C.G.	Ann.	309		C.G.	Ann.	
316 L		C.G.	Ann.	310		C.G.	Ann.	
316 L V.M.		C.G.	Ann.	316		C.G.	Ann.	
317		C.G.	Ann.	316 V.M.		C.G.	Ann.	
317 L		C.G.	Ann.	316 L		C.G.	Ann.	
321		C.G.	Ann.	316 L V.M.		C.G.	Ann.	
347		C.G.	Ann.	317		C.G.	Ann.	
403		C.G.	Ann.	317 L		C.G.	Ann.	
410		C.G.	Ann.	321		C.G.	Ann.	
416		C.G.	Ann.	347		C.G.	Ann.	
				403		C.G.	Ann.	
				410		C.G.	Ann.	
				418 (Greek Ascoloy)		C.G.	Ann.	
				416		C.G.	Ann.	
				416 HT RC 26/32		C.G.	H.T.	
				420		C.G.	Ann.	

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## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
1-3/4"	420 F	C.G.	Ann.	1-7/8"	440 C	C.G.	Ann.
	422	C.G.	Ann.		440 F Se	C.G.	Ann.
	430	C.G.	Ann.		FRY ALLOY 40	C.G.	Ann.
	430 F	C.G.	Ann.		FRY ALLOY 60	C.G.	Ann.
	431	R.T.	Ann.		1-15/16"	13-8 MO V.M.	C.G.
	440 A	C.G.	Ann.	15-5 PH V.M.		C.G.	Sol trt
	440 C	C.G.	Ann.	17-4 PH		C.G.	Sol trt
	440 F Se	C.G.	Ann.	302		C.G.	Ann.
	446	C.G.	Ann.	304		C.G.	Ann.
	455	C.G.	Ann.	304 L		C.G.	Ann.
	465	C.G.	Ann.	303 S		C.G.	Ann.
	FRY ALLOY 20	C.G.	Ann.	316		C.G.	Ann.
	FRY ALLOY 40	C.G.	Ann.	316 L		C.G.	Ann.
	FRY ALLOY 50	C.G.	Ann.	347		C.G.	Ann.
	FRY ALLOY 60	C.G.	Ann.	416	C.G.	Ann.	
1.760"	15-5 PH V.M.	C.G.	Sol trt	440 C	C.G.	Ann.	
1-13/16"	13-8 MO V.M.	C.G.	Sol trt	2"	13-8 MO V.M.	C.G.	Sol trt
	15-5 PH V.M.	C.G.	Sol trt		15-5 PH V.M.	C.G.	Sol trt
	17-4 PH	C.G.	Sol trt		15-5 PH ESR	C.G.	Sol trt
	302	C.G.	Ann.		15-5 PH	C.G.	"H1025"
	304	C.G.	Ann.		17-4 PH	C.G.	Sol trt
	304 L	C.G.	Ann.		17-4 PH	C.G.	"H1150"
	303 S	C.G.	Ann.		17-7 PH	C.G.	Sol trt
	303 Sel	C.G.	Ann.		AM 355	C.G.	Ann.
	316	C.G.	Ann.		302	C.G.	Ann.
	316 L	C.G.	Ann.		304	C.G.	Ann.
	347	C.G.	Ann.		304 L	C.G.	Ann.
	416	C.G.	Ann.		304 L V.M.	C.G.	Ann.
	440 C	C.G.	Ann.		303 S	C.G.	Ann.
1-7/8"	13-8 MO V.M.	C.G.	Sol trt		303 S Hi tens	C.G.	"B"
	15-5 PH V.M.	C.G.	Sol trt		303 Sel	C.G.	Ann.
	15-5 PH ESR	C.G.	Sol trt		303 Sel Hi tens	C.G.	"B"
	15-5 PH	C.G.	"H1025"		309	C.G.	Ann.
	17-4 PH	C.G.	Sol trt		310	C.G.	Ann.
	17-4 PH	C.G.	"H1150"		316	C.G.	Ann.
	AM 355	C.G.	Ann.		316 V.M.	C.G.	Ann.
	302	C.G.	Ann.		316 L	C.G.	Ann.
	304	C.G.	Ann.		316 L V.M.	C.G.	Ann.
	304 L	C.G.	Ann.		317	C.G.	Ann.
	304-L V.M.	C.G.	Ann.		317 L	C.G.	Ann.
	303 S	C.G.	Ann.		321	C.G.	Ann.
	303 Sel	C.G.	Ann.		347	C.G.	Ann.
	310	C.G.	Ann.		403	C.G.	Ann.
	316	C.G.	Ann.		410	C.G.	Ann.
	316 L	C.G.	Ann.	416	C.G.	Ann.	
	317	C.G.	Ann.	416 HT RC 26/32	C.G.	H.T.	
	317 L	C.G.	Ann.	418 (Greek Ascoloy)	C.G.	Ann.	
	321	C.G.	Ann.	420	C.G.	Ann.	
	347	C.G.	Ann.	420 F	C.G.	Ann.	
	403	C.G.	Ann.	422	C.G.	Ann.	
	410	C.G.	Ann.	430	C.G.	Ann.	
	416	C.G.	Ann.	430 F	C.G.	Ann.	
	416 HT RC 26/32	C.G.	H.T.	431	R.T.	Ann.	
	418 (Greek Ascoloy)	C.G.	Ann.	440 A	C.G.	Ann.	
	420	C.G.	Ann.	440 C	C.G.	Ann.	
	430	C.G.	Ann.	440 C V.M.	C.G.	Ann.	
	430 F	C.G.	Ann.	440 F Se	C.G.	Ann.	
	431	R.T.	Ann.	446	C.G.	Ann.	

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C.F. – Cold Finish  
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Sol trt – Solution Treated

ESR – Electroslag Re-melt  
Sel – Selenium  
"B" – Hi Tensile  
S – Sulfur

V.M. – Vacuum Arc Re-melt  
P.G. – Precision Ground  
L – Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
2"	455	C.G.	Ann.	2-1/4"	302	R.T.	Ann.	
	465	C.G.	Ann.		304	R.T.	Ann.	
	FRY ALLOY 20	C.G.	Ann.		304 L	R.T.	Ann.	
	FRY ALLOY 40	C.G.	Ann.		304 L V.M.	C.G.	Ann.	
	FRY ALLOY 50	C.G.	Ann.		303 S	C.G.	Ann.	
FRY ALLOY 60	C.G.	Ann.	303 Sel		C.G.	Ann.		
2.010"	15-5 PH V.M.	C.G.	Sol trt		310	R.T.	Ann.	
					316	R.T.	Ann.	
2-1/16"	15-5 PH V.M.	R.T.	Sol trt		316 V.M.	C.G.	Ann.	
	17-4 PH	C.G.	Sol trt		316 L	R.T.	Ann.	
	302	R.T.	Ann.		316 L V.M.	C.G.	Ann.	
	304	R.T.	Ann.		317	R.T.	Ann.	
	304 L	R.T.	Ann.		317 L	R.T.	Ann.	
	303 S	C.G.	Ann.		321	R.T.	Ann.	
	403	R.T.	Ann.		347	R.T.	Ann.	
	410	R.T.	Ann.		403	R.T.	Ann.	
416	C.G.	Ann.	410		R.T.	Ann.		
2-1/8"	13-8 MO V.M.	C.G.	Sol trt		416	C.G.	Ann.	
	15-5 PH V.M.	R.T.	Sol trt		416 HT RC 26/32	C.G.	H.T.	
	15-5 PH ESR	R.T.	Sol trt		418 (Greek Ascoloy)	C.G.	Ann.	
	15-5 PH	R.T.	"H1025"		420	C.G.	Ann.	
	17-4 PH	C.G.	Sol trt		420 F	C.G.	Ann.	
	AM 355	C.G.	Ann.		422	C.G.	Ann.	
	302	R.T.	Ann.		430	C.G.	Ann.	
	304	R.T.	Ann.		430 F	C.G.	Ann.	
	304 L	R.T.	Ann.	431	R.T.	Ann.		
	303 S	C.G.	Ann.	440 C	R.T.	Ann.		
	303 Sel	C.G.	Ann.	440 C V.M.	C.G.	Ann.		
	303 Sel Hi tens	C.G.	Ann.	440 F Se	C.G.	Ann.		
	316	R.T.	Ann.	446	C.G.	Ann.		
	316 L	R.T.	Ann.	455	C.G.	Ann.		
	321	R.T.	Ann.	FRY ALLOY 20	C.G.	Ann.		
	347	R.T.	Ann.	FRY ALLOY 40	C.G.	Ann.		
	403	R.T.	Ann.	FRY ALLOY 50	C.G.	Ann.		
	410	R.T.	Ann.	FRY ALLOY 60	C.G.	Ann.		
	416	C.G.	Ann.					
	416 HT RC 26/32	C.G.	H.T.					
	418 (Greek Ascoloy)	C.G.	Ann.					
	420	C.G.	Ann.					
	431	R.T.	Ann.					
	440 C	R.T.	Ann.					
	455	C.G.	Ann.					
2-3/16"	15-5 PH V.M.	R.T.	Sol trt	2-5/16"	17-4 PH	C.G.	Sol trt	
	17-4 PH	C.G.	Sol trt		302	R.T.	Ann.	
	302	R.T.	Ann.		304	R.T.	Ann.	
	304	R.T.	Ann.		304 L	R.T.	Ann.	
	304 L	R.T.	Ann.		303 S	C.G.	Ann.	
	303 S	C.G.	Ann.		416	C.G.	Ann.	
	316	R.T.	Ann.					
	316 L	R.T.	Ann.					
416	C.G.	Ann.						
2-1/4"	13-8 MO V.M.	C.G.	Sol trt	2-3/8"	13-8 MO V.M.	C.G.	Sol trt	
	15-5 PH V.M.	R.T.	Sol trt		15-5 PH V.M.	R.T.	Sol trt	
	15-5 PH ESR	R.T.	Sol trt		15-5 PH ESR	R.T.	Sol trt	
	15-5 PH	R.T.	"H1025"		15-5 PH	R.T.	"H1025"	
	17-4 PH	C.G.	Sol trt		17-4 PH	C.G.	Sol trt	
	17-4 PH	C.G.	"H1150"		AM 355	C.G.	Ann.	
	AM 355	C.G.	Ann.		302	R.T.	Ann.	
					304	R.T.	Ann.	
					304 L	R.T.	Ann.	
					303 S	C.G.	Ann.	
					303 Sel	C.G.	Ann.	
					316	R.T.	Ann.	
					316 L	R.T.	Ann.	
					321	R.T.	Ann.	
					347	R.T.	Ann.	
			403	R.T.	Ann.			
			410	R.T.	Ann.			
			416	C.G.	Ann.			
			416 HT RC 26/32	C.G.	H.T.			
			418 (Greek Ascoloy)	C.G.	Ann.			

**NOTE:** IT IS NOT ADVISABLE TO TRY TO FINISH ON SIZE FROM THE SIZE PURCHASED.

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## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
2-3/8"	420	C.G.	Ann.	2-9/16"	17-4 PH	C.G.	Sol trt
	431	R.T.	Ann.		302	R.T.	Ann.
	440 C	R.T.	Ann.		304	R.T.	Ann.
	440 F Se	C.G.	Ann.		304 L	R.T.	Ann.
	455	C.G.	Ann.		303 S	C.G.	Ann.
2-7/16"	17-4 PH	C.G.	Sol trt	2-5/8"	13-8 MO V.M.	C.G.	Sol trt
	302	R.T.	Ann.		15-5 PH V.M.	R.T.	Sol trt
	304	R.T.	Ann.		15-5 PH ESR	R.T.	Sol trt
	304 L	R.T.	Ann.		15-5 PH	R.T.	"H1025"
	303 S	C.G.	Ann.		17-4 PH	C.G.	Sol trt
	316	R.T.	Ann.		AM 355	C.G.	Ann.
	316 L	R.T.	Ann.		302	R.T.	Ann.
416	C.G.	Ann.	304		R.T.	Ann.	
2-1/2"	13-8 MO V.M.	C.G.	Sol trt		304 L	R.T.	Ann.
	15-5 PH V.M.	R.T.	Sol trt		303 S	C.G.	Ann.
	15-5 PH ESR	R.T.	Sol trt		303 Sel	C.G.	Ann.
	15-5 PH	R.T.	"H1025"		316	R.T.	Ann.
	17-4 PH	C.G.	Sol trt		316 L	R.T.	Ann.
	17-4 PH	C.G.	"H1150"		321	R.T.	Ann.
	17-7 PH	C.G.	Sol trt		347	R.T.	Ann.
	AM 355	C.G.	Ann.		403	R.T.	Ann.
	302	R.T.	Ann.		410	R.T.	Ann.
	304	R.T.	Ann.		416	C.G.	Ann.
	304 L	R.T.	Ann.		416 HT RC 26/32	C.G.	H.T.
	304 L V.M.	C.G.	Ann.	420	C.G.	Ann.	
	303 S	C.G.	Ann.	440 C	R.T.	Ann.	
	303 Sel	C.G.	Ann.	455	C.G.	Ann.	
	309	R.T.	Ann.	2-11/16"	17-4 PH	C.G.	Sol trt
	310	R.T.	Ann.		302	R.T.	Ann.
	316	R.T.	Ann.		304	R.T.	Ann.
	316 V.M.	C.G.	Ann.		304 L	R.T.	Ann.
	316 L	R.T.	Ann.		416	C.G.	Ann.
	316 L V.M.	C.G.	Ann.	2-3/4"	13-8 MO V.M.	C.G.	Sol trt
	317	R.T.	Ann.		15-5 PH V.M.	R.T.	Sol trt
	317 L	R.T.	Ann.		15-5 PH ESR	R.T.	Sol trt
	321	R.T.	Ann.		15-5 PH	R.T.	"H1025"
	347	R.T.	Ann.		17-4 PH	C.G.	Sol trt
	403	R.T.	Ann.		17-4 PH	C.G.	"H1150"
	410	R.T.	Ann.		AM 355	C.G.	Ann.
	416	C.G.	Ann.		302	R.T.	Ann.
	416 HT RC 26/32	C.G.	H.T.		304	R.T.	Ann.
	418 (Greek Ascoloy)	C.G.	Ann.		304 L	R.T.	Ann.
	420	C.G.	Ann.		304 L V.M.	C.G.	Ann.
	420 F	C.G.	Ann.		303 S	C.G.	Ann.
	422	C.G.	Ann.		303 Sel	C.G.	Ann.
	430	C.G.	Ann.		316	R.T.	Ann.
	430 F	C.G.	Ann.		316 L	R.T.	Ann.
	431	R.T.	Ann.		317	R.T.	Ann.
	440 A	R.T.	Ann.		317 L	R.T.	Ann.
	440 C	R.T.	Ann.		321	R.T.	Ann.
	440 C V.M.	C.G.	Ann.		347	R.T.	Ann.
	440 F Se	C.G.	Ann.	403	R.T.	Ann.	
	446	R.T.	Ann.	410	R.T.	Ann.	
	455	C.G.	Ann.	416	C.G.	Ann.	
	FRY ALLOY 20	C.G.	Ann.	416 HT RC 26/32	C.G.	H.T.	
	FRY ALLOY 40	C.G.	Ann.	418 (Greek Ascoloy)	C.G.	Ann.	
	FRY ALLOY 50	C.G.	Ann.	420	C.G.	Ann.	
	FRY ALLOY 60	C.G.	Ann.				

Finish: C.D. – Cold Drawn  
 C.F. – Cold Finish  
 H.R. – Hot Rolled  
 C.G. – Centerless Ground

Condition: Ann. – Annealed  
 A&P – Annealed & Pickled  
 H.T. – Heat treated (RC 26/32)  
 Sol trt – Solution Treated

ESR – Electroslag Re-melt  
 Sel – Selenium  
 "B" – Hi Tensile  
 S – Sulfur

V.M. – Vacuum Arc Re-melt  
 P.G. – Precision Ground  
 L – Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
2-3/4"	420 F	C.G.	Ann.	3"	347	R.T.	Ann.	
	422	C.G.	Ann.		403	R.T.	Ann.	
	430	C.G.	Ann.		410	R.T.	Ann.	
	430 F	C.G.	Ann.		416	C.G.	Ann.	
	431	R.T.	Ann.		416 HT RC 26/32	C.G.	H.T.	
	440 C	R.T.	Ann.		418 (Greek Ascoloy)	C.G.	Ann.	
	440 F Se	C.G.	Ann.		420	C.G.	Ann.	
	455	C.G.	Ann.		420 F	C.G.	Ann.	
	FRY ALLOY 60	C.G.	Ann.		422	C.G.	Ann.	
	2-13/16"	302	R.T.		Ann.	430	C.G.	Ann.
304		R.T.	Ann.		430 F	C.G.	Ann.	
304 L		R.T.	Ann.		431	R.T.	Ann.	
2-7/8"	13-8 MO V.M.	C.G.	Sol trt		440 A	R.T.	Ann.	
	15-5 PH V.M.	R.T.	Sol trt		440 C	R.T.	Ann.	
	15-5 PH ESR	R.T.	Sol trt		440 C V.M.	C.G.	Ann.	
	15-5 PH	R.T.	"H1025"		440 F Se	C.G.	Ann.	
	17-4 PH	R.T.	"H1025"		446	R.T.	Ann.	
	302	C.G.	Sol trt		455	R.T.	Ann.	
	304	R.T.	Ann.		FRY ALLOY 20	C.G.	Ann.	
	304 L	R.T.	Ann.		FRY ALLOY 40	C.G.	Ann.	
	303 S	R.T.	Ann.		FRY ALLOY 50	C.G.	Ann.	
	303 Sel	C.G.	Ann.		FRY ALLOY 60	C.G.	Ann.	
	316	C.G.	Ann.		3-1/8"	13-8 MO V.M.	R.T.	Sol trt
	316 L	R.T.	Ann.			15-5 PH V.M.	R.T.	Sol trt
	321	R.T.	Ann.			17-4 PH	R.T.	Sol trt
	347	R.T.	Ann.			302	R.T.	Ann.
	403	R.T.	Ann.			304	R.T.	Ann.
	410	R.T.	Ann.			304 L	R.T.	Ann.
	416	C.G.	Ann.	303 S		R.T.	Ann.	
	420	C.G.	Ann.	316		R.T.	Ann.	
	420 F	C.G.	Ann.	316 L		R.T.	Ann.	
	440 C	R.T.	Ann.	321		R.T.	Ann.	
	2-15/16"	17-4 PH	C.G.	Sol trt	347	R.T.	Ann.	
		303 S	C.G.	Ann.	403	R.T.	Ann.	
	3"	13-8 MO V.M.	C.G.	Sol trt	410	R.T.	Ann.	
15-5 PH V.M.		R.T.	Sol trt	416	R.T.	Ann.		
15-5 PH ESR		R.T.	Sol trt	420	R.T.	Ann.		
15-5 PH		R.T.	"H1025"	440 C	R.T.	Ann.		
17-4 PH		C.G.	Sol trt	3-1/4"	13-8 MO V.M.	R.T.	Sol trt	
17-4 PH		C.G.	"H1150"		15-5 PH V.M.	R.T.	Sol trt	
17-7 PH		C.G.	Sol trt		15-5 PH ESR	R.T.	Sol trt	
AM 355		C.G.	Ann.		15-5 PH	R.T.	"H1025"	
302		R.T.	Ann.		17-4 PH	R.T.	Sol trt	
304		R.T.	Ann.		AM 355	R.T.	Ann.	
304 L		R.T.	Ann.		302	R.T.	Ann.	
304 L V.M.		C.G.	Ann.		304	R.T.	Ann.	
303 S		C.G.	Ann.		304 L	R.T.	Ann.	
303 Sel		C.G.	Ann.		303 S	R.T.	Ann.	
309		R.T.	Ann.		303 Sel	R.T.	Ann.	
310		R.T.	Ann.		316	R.T.	Ann.	
316		R.T.	Ann.		316 L	R.T.	Ann.	
316 V.M.		R.T.	Ann.		317	R.T.	Ann.	
316 L		R.T.	Ann.		317 L	R.T.	Ann.	
316-L V.M.		R.T.	Ann.		321	R.T.	Ann.	
317		R.T.	Ann.		347	R.T.	Ann.	
317 L		R.T.	Ann.		403	R.T.	Ann.	
321		R.T.	Ann.		410	R.T.	Ann.	
					416	R.T.	Ann.	
					416 HT RC 26/32	C.G.	H.T.	

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## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
3-1/4"	418 (Greek Ascoloy)	C.G.	Ann.	3-1/2"	440 A	R.T.	Ann.	
	420	R.T.	Ann.		440 C	R.T.	Ann.	
	420 F	R.T.	Ann.		440 C V.M.	R.T.	Ann.	
	431	R.T.	Ann.		446	R.T.	Ann.	
	440 C	R.T.	Ann.		455	R.T.	Ann.	
	455	R.T.	Ann.		FRY ALLOY 20	C.G.	Ann.	
	FRY ALLOY 20	C.G.	Ann.		FRY ALLOY 40	C.G.	Ann.	
	FRY ALLOY 50	C.G.	Ann.		FRY ALLOY 50	C.G.	Ann.	
	FRY ALLOY 60	R.T.	Ann.		FRY ALLOY 60	R.T.	Ann.	
3-3/8"	13-8 MO V.M.	R.T.	Sol trt	3-5/8"	13-8 MO V.M.	R.T.	Sol trt	
	15-5 PH V.M.	R.T.	Sol trt		15-5 PH V.M.	R.T.	Sol trt	
	15-5 PH ESR	R.T.	Sol trt		17-4 PH	R.T.	Sol trt	
	15-5 PH	R.T.	"H1025"		302	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt		304	R.T.	Ann.	
	302	R.T.	Ann.		304 L	R.T.	Ann.	
	304	R.T.	Ann.		303 S	R.T.	Ann.	
	304 L	R.T.	Ann.		316	R.T.	Ann.	
	303 S	R.T.	Ann.		316 L	R.T.	Ann.	
	316	R.T.	Ann.		321	R.T.	Ann.	
	316 L	R.T.	Ann.		347	R.T.	Ann.	
	321	R.T.	Ann.		403	R.T.	Ann.	
	347	R.T.	Ann.		410	R.T.	Ann.	
	403	R.T.	Ann.		416	R.T.	Ann.	
	410	R.T.	Ann.		440 C	R.T.	Ann.	
	416	R.T.	Ann.		3-3/4"	13-8 MO V.M.	R.T.	Sol trt
	420	R.T.	Ann.			15-5 PH V.M.	R.T.	Sol trt
	440 C	R.T.	Ann.			15-5 PH ESR	R.T.	Sol trt
3-1/2"	13-8 MO V.M.	R.T.	Sol trt	15-5 PH		R.T.	"H1025"	
	15-5 PH V.M.	R.T.	Sol trt	17-4 PH		R.T.	Sol trt	
	15-5 PH ESR	R.T.	Sol trt	17-7 PH		R.T.	Sol trt	
	15-5 PH	R.T.	"H1025"	AM 355		R.T.	Ann.	
	17-4 PH	R.T.	Sol trt	302		R.T.	Ann.	
	17-4 PH	C.G.	"H1150"	304		R.T.	Ann.	
	17-7 PH	R.T.	Sol trt	304 L		R.T.	Ann.	
	AM 355	R.T.	Ann.	303 S		R.T.	Ann.	
	302	R.T.	Ann.	303 Sel		R.T.	Ann.	
	304	R.T.	Ann.	316		R.T.	Ann.	
	304 L	R.T.	Ann.	316 L		R.T.	Ann.	
	304 L V.M.	R.T.	Ann.	317		R.T.	Ann.	
	303 S	R.T.	Ann.	317 L		R.T.	Ann.	
	303 Sel	R.T.	Ann.	321		R.T.	Ann.	
	310	R.T.	Ann.	347		R.T.	Ann.	
	316	R.T.	Ann.	403	R.T.	Ann.		
	316 V.M.	R.T.	Ann.	410	R.T.	Ann.		
	316 L	R.T.	Ann.	416	R.T.	Ann.		
	316 L V.M.	R.T.	Ann.	416 HT RC 26/32	C.G.	H.T.		
	317	R.T.	Ann.	418 (Greek Ascoloy)	C.G.	Ann.		
	317 L	R.T.	Ann.	420	R.T.	Ann.		
	321	R.T.	Ann.	420 F	R.T.	Ann.		
	347	R.T.	Ann.	431	R.T.	Ann.		
	403	R.T.	Ann.	440 C	R.T.	Ann.		
	410	R.T.	Ann.	455	R.T.	Ann.		
	416	R.T.	Ann.	FRY ALLOY 60	R.T.	Ann.		
	416 HT RC 26/32	C.G.	H.T.	3-7/8"	13-8 MO V.M.	R.T.	Sol trt	
	418 (Greek Ascoloy)	C.G.	Ann.		15-5 PH V.M.	R.T.	Sol trt	
	420	R.T.	Ann.		17-4 PH	R.T.	Sol trt	
	420 F	R.T.	Ann.		302	R.T.	Ann.	
	422	R.T.	Ann.		304	R.T.	Ann.	
	430	R.T.	Ann.		3-7/8"	13-8 MO V.M.	R.T.	Sol trt
430 F	C.G.	Ann.	15-5 PH V.M.			R.T.	Sol trt	
431	R.T.	Ann.	17-4 PH			R.T.	Sol trt	
3-1/2"	13-8 MO V.M.	R.T.	Sol trt			302	R.T.	Ann.
	15-5 PH V.M.	R.T.	Sol trt	304		R.T.	Ann.	
	15-5 PH ESR	R.T.	Sol trt					
	15-5 PH	R.T.	"H1025"					
	17-4 PH	R.T.	Sol trt					
	17-4 PH	C.G.	"H1150"					
	17-7 PH	R.T.	Sol trt					
	AM 355	R.T.	Ann.					
	302	R.T.	Ann.					

Finish: C.D. - Cold Drawn  
 C.F. - Cold Finish  
 H.R. - Hot Rolled  
 C.G. - Centerless Ground

Condition: Ann. - Annealed  
 A&P - Annealed & Pickled  
 H.T. - Heat treated (RC 26/32)  
 Sol trt - Solution Treated

ESR - Electroslag Re-melt  
 Sel - Selenium  
 "B" - Hi Tensile  
 S - Sulfur

V.M. - Vacuum Arc Re-melt  
 P.G. - Precision Ground  
 L - Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
3-7/8"	304 L	R.T.	Ann.	4-1/8"	321	R.T.	Ann.	
	303 S	R.T.	Ann.		403	R.T.	Ann.	
	316	R.T.	Ann.		410	R.T.	Ann.	
	316 L	R.T.	Ann.		416	R.T.	Ann.	
	403	R.T.	Ann.		440 C	R.T.	Ann.	
	410	R.T.	Ann.		4-1/4"	13-8 MO V.M.	R.T.	Sol trt
	440 C	R.T.	Ann.			15-5 PH V.M.	R.T.	Sol trt
4"	13-8 MO V.M.	R.T.	Sol trt	15-5 PH ESR		R.T.	Sol trt	
	15-5 PH V.M.	R.T.	Sol trt	17-4 PH		R.T.	Sol trt	
	15-5 PH ESR	R.T.	Sol trt	302		R.T.	Ann.	
	15-5 PH	R.T.	"H1025"	304		R.T.	Ann.	
	17-4 PH	R.T.	Sol trt	304 L		R.T.	Ann.	
	17-4 PH	R.T.	"H1150"	303 S		R.T.	Ann.	
	17-7 PH	R.T.	Sol trt	303 Sel		R.T.	Ann.	
	AM 355	C.G.	Ann.	316		R.T.	Ann.	
	302	R.T.	Ann.	316 L		R.T.	Ann.	
	304	R.T.	Ann.	317		R.T.	Ann.	
	304 L	R.T.	Ann.	317 L		R.T.	Ann.	
	304 L V.M.	R.T.	Ann.	321		R.T.	Ann.	
	303 S	R.T.	Ann.	347	R.T.	Ann.		
	303 Sel	R.T.	Ann.	403	R.T.	Ann.		
	310	R.T.	Ann.	410	R.T.	Ann.		
	316	R.T.	Ann.	416	R.T.	Ann.		
	316 V.M.	R.T.	Ann.	420	R.T.	Ann.		
	316 L	R.T.	Ann.	430 F	R.T.	Ann.		
	316 L V.M.	R.T.	Ann.	431	R.T.	Ann.		
	317	R.T.	Ann.	440 C	R.T.	Ann.		
	317 L	R.T.	Ann.	440 C V.M.	R.T.	Ann.		
	321	R.T.	Ann.	455	R.T.	Ann.		
	347	R.T.	Ann.	FRY ALLOY 20	R.T.	Ann.		
	403	R.T.	Ann.	4-3/8"	15-5 PH V.M.	R.T.	Sol trt	
	410	R.T.	Ann.		17-4 PH	R.T.	Sol trt	
	416	R.T.	Ann.		302	R.T.	Ann.	
	416 HT RC 26/32	C.G.	H.T.		304	R.T.	Ann.	
	418 (Greek Ascoloy)	C.G.	Ann.		304 L	R.T.	Ann.	
420	R.T.	Ann.	303 S		R.T.	Ann.		
420 F	R.T.	Ann.	321		R.T.	Ann.		
422	R.T.	Ann.	403		R.T.	Ann.		
430	R.T.	Ann.	410		R.T.	Ann.		
430 F	C.G.	Ann.	416		R.T.	Ann.		
431	R.T.	Ann.	440 C		R.T.	Ann.		
440 A	R.T.	Ann.	4-1/2"	13-8 MO V.M.	R.T.	Sol trt		
440 C	R.T.	Ann.		15-5 PH V.M.	R.T.	Sol trt		
440 C V.M.	R.T.	Ann.		15-5 PH ESR	R.T.	Sol trt		
446	R.T.	Ann.		15-5 PH	R.T.	"H1025"		
455	R.T.	Ann.		17-4 PH	R.T.	Sol trt		
FRY ALLOY 20	R.T.	Ann.		17-4 PH	R.T.	"H1150"		
FRY ALLOY 40	R.T.	Ann.		AM 355	R.T.	Ann.		
FRY ALLOY 50	R.T.	Ann.		302	R.T.	Ann.		
FRY ALLOY 60	R.T.	Ann.		304	R.T.	Ann.		
4-1/8"	13-8 MO V.M.	R.T.		Sol trt	304 L	R.T.	Ann.	
	15-5 PH V.M.	R.T.		Sol trt	304 L V.M.	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt	303 S	R.T.	Ann.		
	302	R.T.	Ann.	303 Sel	R.T.	Ann.		
	304	R.T.	Ann.	310	R.T.	Ann.		
	304 L	R.T.	Ann.	316	R.T.	Ann.		
	303 S	R.T.	Ann.					
	316	R.T.	Ann.					
316 L	R.T.	Ann.						

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NOTE: BARS ARE NOT PERFECTLY ROUND, SQUARE, OR STRAIGHT.

PLEASE REFER TO THE VARIOUS CHARTS IN THIS BOOK.

**ROUNDS**  
STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
4-1/2"	316 L	R.T.	Ann.	5"	AM 355	R.T.	Ann.
	317	R.T.	Ann.		302	R.T.	Ann.
	317 L	R.T.	Ann.		304	R.T.	Ann.
	321	R.T.	Ann.		304 L	R.T.	Ann.
	347	R.T.	Ann.		304 L V.M.	R.T.	Ann.
	403	R.T.	Ann.		303 S	R.T.	Ann.
	410	R.T.	Ann.		303 Sel	R.T.	Ann.
	416	R.T.	Ann.		310	R.T.	Ann.
	420	R.T.	Ann.		316	R.T.	Ann.
	420 F	R.T.	Ann.		316 L	R.T.	Ann.
	422	R.T.	Ann.		317	R.T.	Ann.
	430	R.T.	Ann.		317 L	R.T.	Ann.
	430 F	R.T.	Ann.		321	R.T.	Ann.
	431	R.T.	Ann.		347	R.T.	Ann.
	440 C	R.T.	Ann.		403	R.T.	Ann.
	440 C V.M.	R.T.	Ann.		410	R.T.	Ann.
	446	R.T.	Ann.		416	R.T.	Ann.
	455	R.T.	Ann.		418 (Greek Ascoloy)	R.T.	Ann.
	FRY ALLOY 20	R.T.	Ann.		420	R.T.	Ann.
	FRY ALLOY 40	R.T.	Ann.		420 F	R.T.	Ann.
FRY ALLOY 50	R.T.	Ann.	422	R.T.	Ann.		
FRY ALLOY 60	R.T.	Ann.	430	R.T.	Ann.		
4-5/8"	15-5 PH V.M.	R.T.	Sol trt	430 F	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt	431	R.T.	Ann.	
	302	R.T.	Ann.	440 C	R.T.	Ann.	
	304	R.T.	Ann.	440 C V.M.	R.T.	Ann.	
	304 L	R.T.	Ann.	446	R.T.	Ann.	
	303 S	R.T.	Ann.	455	R.T.	Ann.	
	316	R.T.	Ann.	FRY ALLOY 20	R.T.	Ann.	
	316 L	R.T.	Ann.	FRY ALLOY 40	R.T.	Ann.	
4-3/4"	13-8 MO V.M.	R.T.	Sol trt	FRY ALLOY 50	R.T.	Ann.	
	15-5 PH V.M.	R.T.	Sol trt	FRY ALLOY 60	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt				
	302	R.T.	Ann.	5-1/8"	17-4 PH	R.T.	Sol trt
	304	R.T.	Ann.	302	R.T.	Ann.	
	304 L	R.T.	Ann.	304	R.T.	Ann.	
	303 S	R.T.	Ann.	304 L	R.T.	Ann.	
	303 Sel	R.T.	Ann.				
	316	R.T.	Ann.	5-1/4"	13-8 MO V.M.	R.T.	Sol trt
	316 L	R.T.	Ann.	15-5 PH V.M.	R.T.	Sol trt	
	317	R.T.	Ann.	15-5 PH ESR	R.T.	Sol trt	
	317 L	R.T.	Ann.	17-4 PH	R.T.	Sol trt	
	321	R.T.	Ann.	302	R.T.	Ann.	
	347	R.T.	Ann.	304	R.T.	Ann.	
	403	R.T.	Ann.	304 L	R.T.	Ann.	
	410	R.T.	Ann.	303 S	R.T.	Ann.	
	416	R.T.	Ann.	316	R.T.	Ann.	
	420	R.T.	Ann.	316 L	R.T.	Ann.	
	431	R.T.	Ann.	321	R.T.	Ann.	
	440 C	R.T.	Ann.	347	R.T.	Ann.	
455	R.T.	Ann.	403	R.T.	Ann.		
			410	R.T.	Ann.		
			416	R.T.	Ann.		
			440 C	R.T.	Ann.		
4-7/8"	15-5 PH V.M.	R.T.	Sol trt				
5"	13-8 MO V.M.	R.T.	Sol trt	5-1/2"	13-8 MO V.M.	R.T.	Sol trt
	15-5 PH V.M.	R.T.	Sol trt	15-5 PH V.M.	R.T.	Sol trt	
	15-5 PH ESR	R.T.	Sol trt	15-5 PH ESR	R.T.	Sol trt	
	17-4 PH	R.T.	Sol trt	17-4 PH	R.T.	Sol trt	
	17-4 PH	R.T.	"H1150"	302	R.T.	Ann.	
	17-7 PH	R.T.	Sol trt	304	R.T.	Ann.	

Finish: C.D. - Cold Drawn

C.F. - Cold Finish

H.R. - Hot Rolled

C.G. - Centerless Ground

Condition: Ann. - Annealed

A&amp;P - Annealed &amp; Pickled

H.T. - Heat treated (RC 26/32)

Sol trt - Solution Treated

ESR - Electroslag Re-melt

Sel - Selenium

"B" - Hi Tensile

S - Sulfur

V.M. - Vacuum Arc Re-melt

P.G. - Precision Ground

L - Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
5-1/2"	304 L	R.T.	Ann.	6"	416	R.T.	Ann.	
	303 S	R.T.	Ann.		418 (Greek Ascoloy)	R.T.	Ann.	
	316	R.T.	Ann.		420	R.T.	Ann.	
	316 L	R.T.	Ann.		420 F	R.T.	Ann.	
	317	R.T.	Ann.		422	R.T.	Ann.	
	317 L	R.T.	Ann.		430	R.T.	Ann.	
	321	R.T.	Ann.		431	R.T.	Ann.	
	347	R.T.	Ann.		440 C	R.T.	Ann.	
	403	R.T.	Ann.		440 C V.M.	R.T.	Ann.	
	410	R.T.	Ann.		455	R.T.	Ann.	
	416	R.T.	Ann.		FRY ALLOY 20	R.T.	Ann.	
	418 (Greek Ascoloy)	R.T.	Ann.		FRY ALLOY 40	R.T.	Ann.	
	420	R.T.	Ann.		FRY ALLOY 50	R.T.	Ann.	
	420 F	R.T.	Ann.		FRY ALLOY 60	R.T.	Ann.	
	430	R.T.	Ann.					
	431	R.T.	Ann.					
	440 C	R.T.	Ann.		6-1/8"	17-4 PH	R.T.	Sol trt
	455	R.T.	Ann.					
	FRY ALLOY 20	R.T.	Ann.					
	5-5/8"	17-4 PH	R.T.		Sol trt	6-1/4"	15-5 PH V.M.	R.T.
5-3/4"	13-8 MO V.M.	R.T.	Sol trt		17-4 PH	R.T.	Sol trt	
	15-5 PH V.M.	R.T.	Sol trt		302	R.T.	Ann.	
	15-5 PH ESR	R.T.	Sol trt		304	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt		304 L	R.T.	Ann.	
	302	R.T.	Ann.		303 S	R.T.	Ann.	
	304	R.T.	Ann.		316	R.T.	Ann.	
	304 L	R.T.	Ann.		316 L	R.T.	Ann.	
	303 S	R.T.	Ann.		321	R.T.	Ann.	
	316	R.T.	Ann.		403	R.T.	Ann.	
	316 L	R.T.	Ann.		410	R.T.	Ann.	
	321	R.T.	Ann.		416	R.T.	Ann.	
	347	R.T.	Ann.		440 C	R.T.	Ann.	
	403	R.T.	Ann.					
	410	R.T.	Ann.					
	416	R.T.	Ann.					
	440 C	R.T.	Ann.					
	6"	13-8 MO V.M.	R.T.	Sol trt	6-1/2"	13-8 MO V.M.	R.T.	Sol trt
		15-5 PH V.M.	R.T.	Sol trt		15-5 PH V.M.	R.T.	Sol trt
		15-5 PH ESR	R.T.	Sol trt		15-5 PH ESR	R.T.	Sol trt
		17-4 PH	R.T.	Sol trt		17-4 PH	R.T.	Sol trt
17-4 PH		R.T.	"H1150"		302	R.T.	Ann.	
17-7 PH		R.T.	Sol trt		304	R.T.	Ann.	
AM 355		R.T.	Ann.		304 L	R.T.	Ann.	
302		R.T.	Ann.		303 S	R.T.	Ann.	
304		R.T.	Ann.		316	R.T.	Ann.	
304 L		R.T.	Ann.		316 L	R.T.	Ann.	
304 L V.M.		R.T.	Ann.		317	R.T.	Ann.	
303 S		R.T.	Ann.		317 L	R.T.	Ann.	
303 Sel		R.T.	Ann.		321	R.T.	Ann.	
310		R.T.	Ann.		347	R.T.	Ann.	
316		R.T.	Ann.		403	R.T.	Ann.	
316 L		R.T.	Ann.		410	R.T.	Ann.	
317		R.T.	Ann.		416	R.T.	Ann.	
317 L		R.T.	Ann.		418 (Greek Ascoloy)	R.T.	Ann.	
321		R.T.	Ann.		420	R.T.	Ann.	
347		R.T.	Ann.		431	R.T.	Ann.	
403	R.T.	Ann.		440 C	R.T.	Ann.		
410	R.T.	Ann.		455	R.T.	Ann.		
				FRY ALLOY 20	R.T.	Ann.		
				6-3/4"	15-5 PH V.M.	R.T.	Sol trt	
					17-4 PH	R.T.	Sol trt	
					302	R.T.	Ann.	
					304	R.T.	Ann.	
					304 L	R.T.	Ann.	
					303 S	R.T.	Ann.	
					316	R.T.	Ann.	

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## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
6-3/4"	316 L	R.T.	Ann.	7-3/4"	17-4 PH	R.T.	Sol trt	
	321	R.T.	Ann.		302	R.T.	Ann.	
	347	R.T.	Ann.		304	R.T.	Ann.	
	403	R.T.	Ann.		304 L	R.T.	Ann.	
	410	R.T.	Ann.		303 S	R.T.	Ann.	
	416	R.T.	Ann.		316	R.T.	Ann.	
440 C	R.T.	Ann.	316 L		R.T.	Ann.		
7"	13-8 MO V.M.	R.T.	Sol trt		403	R.T.	Ann.	
	15-5 PH V.M.	R.T.	Sol trt		410	R.T.	Ann.	
	15-5 PH ESR	R.T.	Sol trt		416	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt		8"	13-8 MO V.M.	R.T.	Sol trt
	302	R.T.	Ann.			15-5 PH V.M.	R.T.	Sol trt
	304	R.T.	Ann.			15-5 PH ESR	R.T.	Sol trt
	304 L	R.T.	Ann.	17-4 PH		R.T.	Sol trt	
	303 S	R.T.	Ann.	302		R.T.	Ann.	
	316	R.T.	Ann.	304		R.T.	Ann.	
	316 L	R.T.	Ann.	304 L		R.T.	Ann.	
	317	R.T.	Ann.	303 S		R.T.	Ann.	
	317 L	R.T.	Ann.	316		R.T.	Ann.	
	321	R.T.	Ann.	316 L		R.T.	Ann.	
	347	R.T.	Ann.	317		R.T.	Ann.	
	403	R.T.	Ann.	317 L		R.T.	Ann.	
	410	R.T.	Ann.	321		R.T.	Ann.	
	416	R.T.	Ann.	347		R.T.	Ann.	
	418 (Greek Ascoloy)	R.T.	Ann.	403		R.T.	Ann.	
	420	R.T.	Ann.	410		R.T.	Ann.	
	440 C	R.T.	Ann.	416		R.T.	Ann.	
	455	R.T.	Ann.	418 (Greek Ascoloy)		R.T.	Ann.	
FRY ALLOY 20	R.T.	Ann.	420	R.T.		Ann.		
7-1/4"	17-4 PH	R.T.	Sol trt	440 C		R.T.	Ann.	
	302	R.T.	Ann.	455		R.T.	Ann.	
	304	R.T.	Ann.	FRY ALLOY 20	R.T.	Ann.		
	304 L	R.T.	Ann.	FRY ALLOY 40	R.T.	Ann.		
	303 S	R.T.	Ann.	FRY ALLOY 50	R.T.	Ann.		
	316	R.T.	Ann.	FRY ALLOY 60	R.T.	Ann.		
	316 L	R.T.	Ann.	8-1/4"	17-4 PH	R.T.	Sol trt	
	403	R.T.	Ann.		302	R.T.	Ann.	
	410	R.T.	Ann.		304	R.T.	Ann.	
	416	R.T.	Ann.		304 L	R.T.	Ann.	
440 C	R.T.	Ann.	303 S		R.T.	Ann.		
7-1/2"	15-5 PH V.M.	R.T.	Sol trt		316	R.T.	Ann.	
	15-5 PH ESR	R.T.	Sol trt		316 L	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt		416	R.T.	Ann.	
	302	R.T.	Ann.		8-1/2"	13-8 MO V.M.	R.T.	Sol trt
	304	R.T.	Ann.			15-5 PH V.M.	R.T.	Sol trt
	304 L	R.T.	Ann.	17-4 PH		R.T.	Sol trt	
	303 S	R.T.	Ann.	302		R.T.	Ann.	
	316	R.T.	Ann.	304		R.T.	Ann.	
	316 L	R.T.	Ann.	304 L		R.T.	Ann.	
	321	R.T.	Ann.	303 S		R.T.	Ann.	
	347	R.T.	Ann.	316		R.T.	Ann.	
	403	R.T.	Ann.	316 L		R.T.	Ann.	
	410	R.T.	Ann.	321		R.T.	Ann.	
	416	R.T.	Ann.	347		R.T.	Ann.	
	420	R.T.	Ann.	403		R.T.	Ann.	
	440 C	R.T.	Ann.	410		R.T.	Ann.	
	FRY ALLOY 20	R.T.	Ann.	440 C		R.T.	Ann.	

Finish: C.D. - Cold Drawn  
C.F. - Cold Finish  
H.R. - Hot Rolled  
C.G. - Centerless Ground

Condition: Ann. - Annealed  
A&P - Annealed & Pickled  
H.T. - Heat treated (RC 26/32)  
Sol trt - Solution Treated

ESR - Electroslag Re-melt  
Sel - Selenium  
"B" - Hi Tensile  
S - Sulfur

V.M. - Vacuum Arc Re-melt  
P.G. - Precision Ground  
L - Low Carbon

## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
8-3/4"	17-4 PH	R.T.	Sol trt	10-1/2"	15-5 PH V.M.	R.T.	Sol trt	
	302	R.T.	Ann.		17-4 PH	R.T.	Sol trt	
	304	R.T.	Ann.		302	R.T.	Ann.	
	304 L	R.T.	Ann.		304	R.T.	Ann.	
	303 S	R.T.	Ann.		304 L	R.T.	Ann.	
	316	R.T.	Ann.		303 S	R.T.	Ann.	
	316 L	R.T.	Ann.		316	R.T.	Ann.	
9"	13-8 MO V.M.	R.T.	Sol trt		316 L	R.T.	Ann.	
	15-5 PH V.M.	R.T.	Sol trt		403	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt		410	R.T.	Ann.	
	302	R.T.	Ann.		416	R.T.	Ann.	
	304	R.T.	Ann.		11"	13-8 MO V.M.	R.T.	Sol trt
	304 L	R.T.	Ann.			15-5 PH V.M.	R.T.	Sol trt
	303 S	R.T.	Ann.			17-4 PH	R.T.	Sol trt
	316	R.T.	Ann.	303 S		R.T.	Ann.	
	316 L	R.T.	Ann.	302		R.T.	Ann.	
	317	R.T.	Ann.	304		R.T.	Ann.	
	317 L	R.T.	Ann.	304 L		R.T.	Ann.	
	321	R.T.	Ann.	316		R.T.	Ann.	
	347	R.T.	Ann.	316 L		R.T.	Ann.	
	403	R.T.	Ann.	347		R.T.	Ann.	
	410	R.T.	Ann.	403		R.T.	Ann.	
	416	R.T.	Ann.	410		R.T.	Ann.	
	420	R.T.	Ann.	416		R.T.	Ann.	
440 C	R.T.	Ann.	440 C	R.T.	Ann.			
FRY ALLOY 60	R.T.	Ann.	11-1/2"	17-4 PH	R.T.	Sol trt		
9-1/2"	15-5 PH V.M.	R.T.		Sol trt	403	R.T.	Ann.	
	17-4 PH	R.T.		Sol trt	410	R.T.	Ann.	
	302	R.T.	Ann.	12"	13-8 MO V.M.	R.T.	Sol trt	
	304	R.T.	Ann.		15-5 PH V.M.	R.T.	Sol trt	
	304 L	R.T.	Ann.		17-4 PH	R.T.	Sol trt	
	303 S	R.T.	Ann.		302	R.T.	Ann.	
	316	R.T.	Ann.		304	R.T.	Ann.	
316 L	R.T.	Ann.	304 L		R.T.	Ann.		
403	R.T.	Ann.	303 S		R.T.	Ann.		
410	R.T.	Ann.	316		R.T.	Ann.		
416	R.T.	Ann.	316 L		R.T.	Ann.		
440 C	R.T.	Ann.	321		R.T.	Ann.		
10"	13-8 MO V.M.	R.T.	Sol trt		347	R.T.	Ann.	
	15-5 PH V.M.	R.T.	Sol trt		403	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt		410	R.T.	Ann.	
	302	R.T.	Ann.	416	R.T.	Ann.		
	304	R.T.	Ann.	440 C	R.T.	Ann.		
	304 L	R.T.	Ann.	FRY ALLOY 60	R.T.	Ann.		
	303 S	R.T.	Ann.	12-1/2"	17-4 PH	R.T.	Sol trt	
	316	R.T.	Ann.		403	R.T.	Ann.	
	316 L	R.T.	Ann.		410	R.T.	Ann.	
	317	R.T.	Ann.	13"	13-8 MO V.M.	R.T.	Sol trt	
	317 L	R.T.	Ann.		17-4 PH	R.T.	Sol trt	
	321	R.T.	Ann.		302	R.T.	Ann.	
	347	R.T.	Ann.		304	R.T.	Ann.	
	403	R.T.	Ann.		304 L	R.T.	Ann.	
	410	R.T.	Ann.		303 S	R.T.	Ann.	
	416	R.T.	Ann.		316	R.T.	Ann.	
	420	R.T.	Ann.		316 L	R.T.	Ann.	
440 C	R.T.	Ann.	321		R.T.	Ann.		
FRY ALLOY 20	R.T.	Ann.	403		R.T.	Ann.		
FRY ALLOY 50	R.T.	Ann.	410		R.T.	Ann.		
FRY ALLOY 60	R.T.	Ann.	416		R.T.	Ann.		
			440 C		R.T.	Ann.		

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## ROUNDS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
13-1/2"	17-4 PH	R.T.	Sol trt	18"	403 410 416	R.T. R.T. R.T.	Ann. Ann. Ann.	
14"	13-8 MO V.M.	R.T.	Sol trt	19"	17-4 PH	R.T.	Sol trt	
	15-5 PH V.M.	R.T.	Sol trt		302	R.T.	Ann.	
	17-4 PH	R.T.	Sol trt		304	R.T.	Ann.	
	302	R.T.	Ann.		304-L	R.T.	Ann.	
	304	R.T.	Ann.		316	R.T.	Ann.	
	304 L	R.T.	Ann.		316-L	R.T.	Ann.	
	303 S	R.T.	Ann.	20"	17-4 PH	R.T.	Sol trt	
	316	R.T.	Ann.		302	R.T.	Ann.	
	316 L	R.T.	Ann.		304	R.T.	Ann.	
	321	R.T.	Ann.		304L	R.T.	Ann.	
	347	R.T.	Ann.		303	R.T.	Ann.	
	403	R.T.	Ann.		316	R.T.	Ann.	
	410	R.T.	Ann.		316L	R.T.	Ann.	
	416	R.T.	Ann.		403	R.T.	Ann.	
440 C	R.T.	Ann.	410	R.T.	Ann.			
15"	15-5 PH V.M.	R.T.	Sol trt	416	R.T.	Ann.		
	17-4 PH	R.T.	Sol trt	21"	303	R.T.	Ann.	
	302	R.T.	Ann.	22"	17-4 PH	R.T.	Sol trt	
	304	R.T.	Ann.		302	R.T.	Ann.	
	304 L	R.T.	Ann.		304	R.T.	Ann.	
	303	R.T.	Ann.		304-L	R.T.	Ann.	
	316	R.T.	Ann.		303	R.T.	Ann.	
	316 L	R.T.	Ann.		316	R.T.	Ann.	
	321	R.T.	Ann.		316-L	R.T.	Ann.	
	403	R.T.	Ann.	23"	17-4 PH	R.T.	Sol trt	
	410	R.T.	Ann.	24"	17-4 PH	R.T.	Sol trt	
	416	R.T.	Ann.		17-4 PH	R.T.	Sol trt	
	440 C	R.T.	Ann.	16"	13-8 MO V.M.	R.T.	Sol trt	
	17"	17-4 PH	R.T.		Sol trt	17-4 PH	R.T.	Sol trt
302		R.T.	Ann.		302	R.T.	Ann.	
304		R.T.	Ann.		304	R.T.	Ann.	
304-L		R.T.	Ann.		304 L	R.T.	Ann.	
303		R.T.	Ann.		303 S	R.T.	Ann.	
316		R.T.	Ann.		316	R.T.	Ann.	
316-L		R.T.	Ann.		316-L	R.T.	Ann.	
347		R.T.	Ann.		321	R.T.	Ann.	
17-1/2"		416	R.T.		Ann.	347	R.T.	Ann.
18"		17-4 PH	R.T.		Sol trt	403	R.T.	Ann.
		302	R.T.		Ann.	410	R.T.	Ann.
		304	R.T.		Ann.	416	R.T.	Ann.
		304-L	R.T.		Ann.	440 C	R.T.	Ann.
		303	R.T.	Ann.				
	316	R.T.	Ann.					
	316-L	R.T.	Ann.					
347	R.T.	Ann.						



Finish: C.D. – Cold Drawn  
 C.F. – Cold Finish  
 H.R. – Hot Rolled  
 C.G. – Centerless Ground

Condition: Ann. – Annealed  
 A&P – Annealed & Pickled  
 H.T. – Heat treated (RC 26/32)  
 Sol trt – Solution Treated

ESR – Electroslag Re-melt  
 Sel – Selenium  
 "B" – Hi Tensile  
 S – Sulfur

V.M. – Vacuum Arc Re-melt  
 P.G. – Precision Ground  
 L – Low Carbon



## HEXAGONS

STOCKED IN 12' R/L



SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.		
1/8"	303 S	C.D.	Ann.	3/8"	316	C.D.	Ann.		
	303 Sel	C.D.	Ann.		316 L	C.D.	Ann.		
	416	C.D.	Ann.		321	C.D.	Ann.		
5/32"	303 S	C.D.	Ann.		347	C.D.	Ann.		
3/16"	302 304 304 L 303 S 303 Sel 416	C.D.	Ann.		403	C.D.	Ann.		
		C.D.	Ann.		410	C.D.	Ann.		
		C.D.	Ann.		416	C.D.	Ann.		
		C.D.	Ann.		420	C.D.	Ann.		
		C.D.	Ann.		430-F	C.D.	Ann.		
		C.D.	Ann.						
7/32"	302 304 304 L 303 S	C.D.	Ann.		13/32"	17-4 PH	C.F.	Sol trt	
		C.D.	Ann.			302	C.D.	Ann.	
		C.D.	Ann.			304	C.D.	Ann.	
		C.D.	Ann.			304 L	C.D.	Ann.	
15/64"	440 C	C.F.	Ann.		303 S	C.D.	Ann.		
		1/4"	17-4 PH 302 304 304 L 303 S 303 Sel 316 316 L 321 416 430-F	C.F. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D.	Sol trt Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann.	7/16"	17-4 PH	C.F.	Sol trt
							302	C.D.	Ann.
304	C.D.						Ann.		
304 L	C.D.						Ann.		
303 S	C.D.						Ann.		
303 Sel	C.D.						Ann.		
316	C.D.						Ann.		
316 L	C.D.						Ann.		
321	C.D.						Ann.		
416	C.D.						Ann.		
430-F	C.D.	Ann.							
9/32"	17-4 PH 302 304 304 L 303 S	C.F.	Sol trt	303 Sel Hi tens	C.F.	"B"			
		C.D.	Ann.	316	C.D.	Ann.			
		C.D.	Ann.	316 L	C.D.	Ann.			
		C.D.	Ann.	321	C.D.	Ann.			
		C.D.	Ann.	347	C.D.	Ann.			
		C.D.	Ann.	403	C.D.	Ann.			
5/16"	17-4 PH 302 304 304 L 303 S 303 Sel 316 316 L 416 420 430 F	C.F.	Sol trt	410	C.D.	Ann.			
		C.D.	Ann.	416	C.D.	Ann.			
		C.D.	Ann.	430 F	C.D.	Ann.			
		C.D.	Ann.	15/32"	17-4 PH	C.F.	Sol trt		
		C.D.	Ann.		302	C.D.	Ann.		
		C.D.	Ann.		304	C.D.	Ann.		
		C.D.	Ann.		304 L	C.D.	Ann.		
		11/32"	17-4 PH 302 304 304 L 303 S	C.F.	Sol trt	303 S	C.D.	Ann.	
C.D.	Ann.			1/2"	13-8 MO V.M	C.F.	Sol trt		
C.D.	Ann.				15-5 PH V.M.	C.F.	Sol trt		
C.D.	Ann.				17-4 PH	C.F.	Sol trt		
C.D.	Ann.				302	C.D.	Ann.		
C.D.	Ann.				304 Hi tens	C.F.	"B"		
C.D.	Ann.				304 L	C.D.	Ann.		
C.D.	Ann.	304 L Hi tens	C.F.		"B"				
C.D.	Ann.	303 S	C.D.		Ann.				
3/8"	17-4 PH 302 304 302 Hi tens 304 Hi tens 304 L 304 L Hi tens 303 S 303 Sel 303 Sel Hi tens	C.F.	Sol trt		303 Sel	C.D.	Ann.		
		C.D.	Ann.		303 Sel Hi tens	C.F.	"B"		
		C.D.	Ann.	316	C.D.	Ann.			
		C.F.	"B"	316 Hi tens	C.F.	"B"			
		C.F.	"B"	316 L	C.D.	Ann.			
		C.D.	Ann.	316 L Hi tens	C.F.	"B"			
		C.D.	Ann.	321	C.D.	Ann.			
		C.F.	"B"	347	C.D.	Ann.			
		C.D.	Ann.	403	C.D.	Ann.			
		C.D.	Ann.	410	C.D.	Ann.			
		C.D.	Ann.	416	C.D.	Ann.			
		C.F.	H.T.	416 HT RC 26/32	C.F.	H.T.			
C.D.	Ann.	420	C.D.	Ann.					
C.D.	Ann.	430 F	C.D.	Ann.					

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## HEXAGONS

STOCKED IN 12' R/L



SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
1/2"	440 C	C.D.	Ann.	21/32"	304	C.D.	Ann.
17/32"	17-4 PH	C.F.	Sol trt	11/16"	304 L	C.D.	Ann.
	302	C.D.	Ann.		303 S	C.D.	Ann.
	304	C.D.	Ann.		15-5 PH V.M.	C.F.	Sol trt
	304 L	C.D.	Ann.		17-4 PH	C.F.	Sol trt
	303 S	C.D.	Ann.		302	C.D.	Ann.
9/16"	15-5 PH V.M.	C.F.	Sol trt	304	C.D.	Ann.	
	17-4 PH	C.F.	Sol trt	304 L	C.D.	Ann.	
	302	C.D.	Ann.	303 S	C.D.	Ann.	
	304	C.D.	Ann.	303 Sel	C.D.	Ann.	
	302 Hi tens	C.F.	"B"	303 Sel Hi tens	C.F.	"B"	
	304 Hi tens	C.F.	"B"	316	C.D.	Ann.	
	304 L	C.D.	Ann.	316 Hi tens	C.F.	"B"	
	304 L Hi tens	C.F.	"B"	316 L	C.D.	Ann.	
	303 S	C.D.	Ann.	316 L Hi tens	C.F.	"B"	
	303 Sel	C.D.	Ann.	321	C.D.	Ann.	
	316	C.D.	Ann.	347	C.D.	Ann.	
	316 Hi tens	C.F.	"B"	403	C.D.	Ann.	
	316 L	C.D.	Ann.	410	C.D.	Ann.	
	316 L Hi tens	C.F.	"B"	416	C.D.	Ann.	
	321	C.D.	Ann.	3/4"	13-8 MO V.M.	C.F.	Sol trt
	347	C.D.	Ann.		15-5 PH V.M.	C.F.	Sol trt
	403	C.D.	Ann.		17-4 PH	C.F.	Sol trt
	410	C.D.	Ann.		302	C.D.	Ann.
	416	C.D.	Ann.		304	C.D.	Ann.
	416 HT RC 26/32	C.F.	H.T.		302 Hi tens	C.F.	"B"
420	C.D.	Ann.	304 Hi tens		C.F.	"B"	
19/32"	17-4 PH	C.F.	Sol trt		304 L	C.D.	Ann.
	302	C.D.	Ann.		304 L Hi tens	C.F.	"B"
	304	C.D.	Ann.		303 S	C.D.	Ann.
	304 L	C.D.	Ann.	303 Sel	C.D.	Ann.	
	303 S	C.D.	Ann.	303 Sel Hi tens	C.F.	"B"	
5/8"	13-8 MO V.M.	C.F.	Sol trt	316	C.D.	Ann.	
	15-5 PH V.M.	C.F.	Sol trt	316 Hi tens	C.F.	"B"	
	17-4 PH	C.F.	Sol trt	316 L	C.D.	Ann.	
	302	C.D.	Ann.	316 L Hi tens	C.F.	"B"	
	304	C.D.	Ann.	321	C.D.	Ann.	
	302 Hi tens	C.F.	"B"	347	C.D.	Ann.	
	304 Hi tens	C.F.	"B"	403	C.D.	Ann.	
	304 L	C.D.	Ann.	410	C.D.	Ann.	
	304 L Hi tens	C.F.	"B"	416	C.D.	Ann.	
	303 S	C.D.	Ann.	416 HT RC 26/32	C.F.	H.T.	
	303 Sel	C.D.	Ann.	420	C.D.	Ann.	
	303 Sel Hi tens	C.F.	"B"	430 F	C.D.	Ann.	
	316	C.D.	Ann.	440 C	C.D.	Ann.	
	316 Hi tens	C.F.	"B"	13/16"	15-5 PH V.M.	C.F.	Sol trt
	316 L	C.D.	Ann.		17-4 PH	C.F.	Sol trt
	316 L Hi tens	C.F.	"B"		302	C.D.	Ann.
	321	C.D.	Ann.		304	C.D.	Ann.
	347	C.D.	Ann.		304 L	C.D.	Ann.
	403	C.D.	Ann.		303 S	C.D.	Ann.
	410	C.D.	Ann.		303 Sel	C.D.	Ann.
416	C.D.	Ann.	316		C.D.	Ann.	
416 HT RC 26/32	C.F.	H.T.	316 Hi tens		C.F.	"B"	
420	C.D.	Ann.	316 L		C.D.	Ann.	
430 F	C.D.	Ann.	316 L Hi tens	C.F.	"B"		
440 C	C.D.	Ann.	321	C.D.	Ann.		
21/32"	17-4 PH	C.F.	Sol trt	347	C.D.	Ann.	
	302	C.D.	Ann.	416	C.D.	Ann.	
				7/8"	13-8 MO V.M.	C.F.	Sol trt

Finish: C.D. – Cold Drawn  
 C.F. – Cold Finish  
 H.R. – Hot Rolled  
 C.G. – Centerless Ground

Condition: Ann. – Annealed  
 A&P – Annealed & Pickled  
 H.T. – Heat treated (RC 26/32)  
 Sol trt – Solution Treated

ESR – Electroslag Re-melt  
 Sel – Selenium  
 "B" – Hi Tensile  
 S – Sulfur

V.M. – Vacuum Arc Re-melt  
 P.G. – Precision Ground  
 L – Low Carbon



## HEXAGONS

STOCKED IN 12' R/L



SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
7/8"	15-5 PH V.M.	C.F.	Sol trt	1-1/16"	302 Hi tens	C.D.	"B"
	17-4 PH	C.F.	Sol trt		304	C.D.	Ann.
	302	C.D.	Ann.		304 Hi tens	C.D.	"B"
	304	C.D.	Ann.		304 L	C.D.	Ann.
	304 L	C.D.	Ann.		304 L Hi tens	C.D.	"B"
	302 Hi tens	C.F.	"B"		303 S	C.D.	Ann.
	304 Hi tens	C.F.	"B"		316	C.D.	Ann.
	304 L Hi tens	C.F.	"B"		316 Hi tens	C.F.	"B"
	303 S	C.D.	Ann.		316 L	C.D.	Ann.
	303 Sel	C.D.	Ann.		316 L Hi tens	C.F.	"B"
	303 Sel Hi tens	C.F.	"B"		347	C.D.	Ann.
	316	C.D.	Ann.		403	C.D.	Ann.
	316 Hi tens	C.F.	"B"		410	C.D.	Ann.
	316 L	C.D.	Ann.		416	C.D.	Ann.
	316 L Hi tens	C.F.	"B"				
	321	C.D.	Ann.				
	347	C.D.	Ann.				
	403	C.D.	Ann.				
	410	C.D.	Ann.				
	416	C.D.	Ann.				
420	C.D.	Ann.					
15/16"	17-4 PH	C.F.	Sol trt	1-1/8"	15-5 PH V.M.	C.F.	Sol trt
	302	C.D.	Ann.		17-4 PH	C.F.	Sol trt
	304	C.D.	Ann.		302	C.D.	Ann.
	304 L	C.D.	Ann.		304	C.D.	Ann.
	303 S	C.D.	Ann.		304 L	C.D.	Ann.
	316	C.D.	Ann.		303 S	C.D.	Ann.
	316 Hi tens	C.F.	"B"		303 Sel	C.D.	Ann.
	316 L	C.D.	Ann.		316	C.D.	Ann.
	316 L Hi tens	C.F.	"B"		316 Hi tens	C.F.	"B"
	321	C.D.	Ann.		316 L	C.D.	Ann.
	347	C.D.	Ann.		316 L Hi tens	C.F.	"B"
	403	C.D.	Ann.		321	C.D.	Ann.
	410	C.D.	Ann.		347	C.D.	Ann.
	416	C.D.	Ann.		403	C.D.	Ann.
					410	C.D.	Ann.
			416	C.D.	Ann.		
			416 HT RC 26/32	C.F.	H.T.		
1-3/16"				302	C.D.	Ann.	
				304	C.D.	Ann.	
				304 L	C.D.	Ann.	
				303 S	C.D.	Ann.	
				416	C.D.	Ann.	
1"	13-8 MO V.M.	C.F.	Sol trt	1-1/4"	13-8 MO V.M.	C.F.	Sol trt
	15-5 PH V.M.	C.F.	Sol trt		15-5 PH V.M.	C.F.	Sol trt
	17-4 PH	C.F.	Sol trt		17-4 PH	C.F.	Sol trt
	302	C.D.	Ann.		302	C.D.	Ann.
	304	C.D.	Ann.		304	C.D.	Ann.
	302 Hi tens	C.F.	"B"		302 Hi tens	C.F.	"B"
	304 Hi tens	C.F.	"B"		304 Hi tens	C.F.	"B"
	304 L	C.D.	Ann.		304 L	C.D.	Ann.
	304 L Hi tens	C.F.	"B"		304 L Hi tens	C.F.	"B"
	303 S	C.D.	Ann.		303 S	C.D.	Ann.
	303 Sel	C.D.	Ann.		303 Sel	C.D.	Ann.
	303 Sel Hi tens	C.F.	"B"		316	C.D.	Ann.
	316	C.D.	Ann.		316 Hi tens	C.F.	"B"
	316 Hi tens	C.F.	"B"		316 L	C.D.	Ann.
	316 L	C.D.	Ann.		316 L Hi tens	C.D.	Ann.
	316 L Hi tens	C.F.	"B"		321	C.D.	Ann.
	321	C.D.	Ann.		347	C.D.	Ann.
	347	C.D.	Ann.		403	C.D.	Ann.
	403	C.D.	Ann.		410	C.D.	Ann.
	410	C.D.	Ann.		416	C.D.	Ann.
416	C.D.	Ann.	416 HT RC 26/32	C.F.	H.T.		
416 HT RC 26/32	C.F.	H.T.	440 C	H.R.	Ann.		
440 C	C.D.	Ann.					
1-1/16"	17-4 PH	C.F.	Sol trt	1-5/16"	302	C.D.	Ann.
	302	C.D.	Ann.		304	C.D.	Ann.

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## HEXAGONS



STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
1-5/16"	304 L 303 S 416	C.D. C.D. C.D.	Ann. Ann. Ann.	1-7/8"	17-4 PH 302 304 304 L 303 S 316 316 L 321 416	C.F. C.D. C.D. C.D. C.D. C.D. C.D. C.D.	Sol trt Ann. Ann. Ann. Ann. Ann. Ann. Ann.
1-3/8"	15-5 PH V.M. 17-4 PH 302 304 304 L 303 S 316 316 L 321 347 403 410 416	C.F. C.F. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D.	Sol trt Sol trt Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann.		2"	17-4 PH 302 304 304 L 303 S 316 316 L 321 403 410 416	C.F. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D.
1-7/16"	303 S	C.D.	Ann.	2-1/8"	302 304 304 L 303 S 316 316 L 416	C.D. C.D. C.D. C.D. C.D. C.D.	Ann. Ann. Ann. Ann. Ann. Ann.
1-1/2"	13-8 MO V.M. 15-5 PH V.M. 17-4 PH 302 304 304 L 303 S 303 Sel 316 316 L 321 347 403 410 416	C.F. C.F. C.F. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D.	Sol trt Sol trt Sol trt Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann.		2-1/4"	302 304 304 L 303 S 316 316 L 416	C.D. C.D. C.D. C.D. C.D. C.D.
1-9/16"	303 S 321	C.D. C.D.	Ann. Ann.	2-3/8"	302 304 304 L 303 S 316 316 L 416	C.D. C.D. C.D. C.D. C.D. C.D.	Ann. Ann. Ann. Ann. Ann. Ann.
1-5/8"	17-4 PH 302 304 304 L 303 S 316 316 L 321 347 403 410 416	C.F. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D.	Sol trt Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann.	2-1/2"	302 304 304 L 303 S 316 316 L 416	C.D. C.D. C.D. C.D. C.D. C.D.	Ann. Ann. Ann. Ann. Ann. Ann.
1-3/4"	17-4 PH 302 304 304 L 303 S 316 316 L 321 347 403 410 416	C.F. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D. C.D.	Sol trt Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann. Ann.		2-5/8"	303 S	C.D.
				2-3/4"	302 304 304 L 303 S 316 316 L 416	C.D. C.D. C.D. C.D. C.D. C.D.	Ann. Ann. Ann. Ann. Ann. Ann.

Finish: C.D. – Cold Drawn  
 C.F. – Cold Finish  
 H.R. – Hot Rolled  
 C.G. – Centerless Ground

Condition: Ann. – Annealed  
 A&P – Annealed & Pickled  
 H.T. – Heat treated (RC 26/32)  
 Sol trt – Solution Treated

ESR – Electroslag Re-melt  
 Sel – Selenium  
 "B" – Hi Tensile  
 S – Sulfur

V.M. – Vacuum Arc Re-melt  
 P.G. – Precision Ground  
 L – Low Carbon



## HEXAGONS



STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
3"	302	C.D.	Ann.				
	304	C.D.	Ann.				
	304 L	C.D.	Ann.				



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## SQUARES

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
1/8"	302	C.D.	Ann.	1/2"	15-5 PH V.M.	C.F.	Sol trt
	304	C.D.	Ann.		17-4 PH	C.F.	Sol trt
	304 L	C.D.	Ann.		302	C.D.	Ann.
	303 S	C.D.	Ann.		304	C.D.	Ann.
	316	C.D.	Ann.		304 L	C.D.	Ann.
316 L	C.D.	Ann.	303 S		C.D.	Ann.	
3/16"	302	C.D.	Ann.		303 Sel	C.D.	Ann.
	304	C.D.	Ann.		316	C.D.	Ann.
	304 L	C.D.	Ann.		316 L	C.D.	Ann.
	303 S	C.D.	Ann.		321	C.D.	Ann.
	316	C.D.	Ann.		347	C.D.	Ann.
	316 L	C.D.	Ann.		403	C.D.	Ann.
	416	C.D.	Ann.		410	C.D.	Ann.
1/4"	17-4 PH	C.F.	Sol trt		416	C.D.	Ann.
	302	C.D.	Ann.		420	C.D.	Ann.
	304	C.D.	Ann.	440 C	H.R.	A&P	
	304 L	C.D.	Ann.	9/16"	17-4PH	C.F.	Sol trt
	303 S	C.D.	Ann.		302	C.D.	Ann.
	316	C.D.	Ann.		304	C.D.	Ann.
	316 L	C.D.	Ann.		304 L	C.D.	Ann.
	321	C.D.	Ann.		303 S	C.D.	Ann.
	403	C.D.	Ann.	416	C.D.	Ann.	
	410	C.D.	Ann.	5/8"	15-5 PH V.M.	C.F.	Sol trt
416	C.D.	Ann.	17-4 PH		C.F.	Sol trt	
5/16"	17-4 PH	C.F.	Sol trt		302	C.D.	Ann.
	302	C.D.	Ann.		304	C.D.	Ann.
	304	C.D.	Ann.		304 L	C.D.	Ann.
	304 L	C.D.	Ann.		303 S	C.D.	Ann.
	303 S	C.D.	Ann.		303 Sel	C.D.	Ann.
	316	C.D.	Ann.		316	C.D.	Ann.
	316 L	C.D.	Ann.		316 L	C.D.	Ann.
	321	C.D.	Ann.		321	C.D.	Ann.
	403	C.D.	Ann.	347	C.D.	Ann.	
	410	C.D.	Ann.	403	C.D.	Ann.	
416	C.D.	Ann.	410	C.D.	Ann.		
3/8"	17-4 PH	C.F.	Sol trt	416	C.D.	Ann.	
	302	C.D.	Ann.	420	C.D.	Ann.	
	304	C.D.	Ann.	440 C	H.R.	A&P	
	304 L	C.D.	Ann.	11/16"	303 S	C.D.	Ann.
	303 S	C.D.	Ann.		3/4"	13-8 MO V.M.	H.R.
	316	C.D.	Ann.	15-5 PH V.M.		H.R.	Sol trt
	316 L	C.D.	Ann.	17-4 PH		H.R.	A&P
	321	C.D.	Ann.	302		C.D.	Ann.
	347	C.D.	Ann.	304		C.D.	Ann.
	403	C.D.	Ann.	304 L		C.D.	Ann.
	410	C.D.	Ann.	303 S		C.D.	Ann.
	416	C.D.	Ann.	303 Sel		C.D.	Ann.
	420	C.D.	Ann.	316		C.D.	Ann.
7/16"	17-4 PH	C.F.	Sol trt	316 L		C.D.	Ann.
	302	C.D.	Ann.	321		C.D.	Ann.
	304	C.D.	Ann.	347		C.D.	Ann.
	304 L	C.D.	Ann.	403		C.D.	Ann.
	303 S	C.D.	Ann.	410	C.D.	Ann.	
	316	C.D.	Ann.	416	C.D.	Ann.	
	316 L	C.D.	Ann.	420	C.D.	Ann.	
	321	C.D.	Ann.	440 C	H.R.	A&P	
	416	C.D.	Ann.	13/16"	316	C.D.	Ann.
	1/2"	13-8 MO-V.M.	H.R.		A&P	316 L	C.D.
1/2"		13-8 MO-V.M.	H.R.	A&P	7/8"	17-4 PH	H.R.

Finish: C.D. - Cold Drawn  
 C.F. - Cold Finish  
 H.R. - Hot Rolled  
 C.G. - Centerless Ground

Condition: Ann. - Annealed  
 A&P - Annealed & Pickled  
 H.T. - Heat treated (RC 26/32)  
 Sol trt - Solution Treated

ESR - Electroslag Re-melt  
 Sel - Selenium  
 "B" - Hi Tensile  
 S - Sulfer

V.M. - Vacuum Arc Re-melt  
 P.G. - Precision Ground  
 L - Low Carbon

## SQUARES

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.		
7/8"	302	C.D.	Ann.	1-1/4"	316 L	C.D.	Ann.		
	304	C.D.	Ann.		321	C.D.	Ann.		
	304 L	C.D.	Ann.		347	C.D.	Ann.		
	303 S	C.D.	Ann.		403	C.D.	Ann.		
	303 Sel	C.D.	Ann.		410	C.D.	Ann.		
	316	C.D.	Ann.		416	C.D.	Ann.		
	316 L	C.D.	Ann.		440 C	H.R.	A&P		
	321	C.D.	Ann.		FRY ALLOY 60	C.D.	Ann.		
	403	C.D.	Ann.						
	410	C.D.	Ann.						
	416	C.D.	Ann.						
15/16"	302	C.D.	Ann.	1-5/16"	17-4 PH	H.R.	A&P		
	304	C.D.	Ann.	1-3/8"	17-4 PH	H.R.	A&P		
	304 L	C.D.	Ann.		302	C.D.	Ann.		
	316	C.D.	Ann.		304	C.D.	Ann.		
	316 L	C.D.	Ann.		304 L	C.D.	Ann.		
			303 S		C.D.	Ann.			
1"	13-8 MO V.M.	H.R.	A&P	1-1/2"	13-8 MO V.M.	H.R.	A&P		
	15-5 PH V.M.	H.R.	Sol trt		15-5 PH V.M.	H.R.	A&P		
	17-4 PH	H.R.	A&P		17-4 PH	H.R.	A&P		
	302	C.D.	Ann.		302	C.D.	Ann.		
	304	C.D.	Ann.		304	C.D.	Ann.		
	304 L	C.D.	Ann.		304 L	C.D.	Ann.		
	303 S	C.D.	Ann.		303 S	C.D.	Ann.		
	303 Sel	C.D.	Ann.		303 Sel	C.D.	Ann.		
	316	C.D.	Ann.		316	C.D.	Ann.		
	316 L	C.D.	Ann.		316 L	C.D.	Ann.		
	321	C.D.	Ann.		321	C.D.	Ann.		
	347	C.D.	Ann.		347	C.D.	Ann.		
	403	C.D.	Ann.		403	C.D.	Ann.		
	410	C.D.	Ann.		410	C.D.	Ann.		
	416	C.D.	Ann.		416	C.D.	Ann.		
	420	C.D.	Ann.		420	C.D.	Ann.		
	440 C	H.R.	A&P		440 C	H.R.	A&P		
	FRY ALLOY 60	C.D.	Ann.		FRY ALLOY 60	C.D.	Ann.		
	1-1/16"	302	C.D.		Ann.	1-5/8"	15-5 PH V.M.	H.R.	A&P
		304	C.D.		Ann.		17-4 PH	H.R.	A&P
304 L		C.D.	Ann.	302	C.D.		Ann.		
1-1/8"	17-4 PH	H.R.	A&P	304	C.D.		Ann.		
	302	C.D.	Ann.	304 L	C.D.		Ann.		
	304	C.D.	Ann.	303 S	C.D.	Ann.			
	304 L	C.D.	Ann.	416	H.R.	A&P			
	303 S	C.D.	Ann.	1-3/4"	15-5 PH V.M.	H.R.	A&P		
	316	C.D.	Ann.		17-4 PH	H.R.	A&P		
	316 L	C.D.	Ann.		302	H.R.	A&P		
403	C.D.	Ann.	304		H.R.	A&P			
410	C.D.	Ann.	304 L		H.R.	A&P			
416	C.D.	Ann.	303 S		C.D.	Ann.			
			316		H.R.	A&P			
1-3/16"	302	C.D.	Ann.	316 L	H.R.	A&P			
	304	C.D.	Ann.	321	H.R.	A&P			
	304 L	C.D.	Ann.	403	H.R.	A&P			
1-1/4"	13-8 MO V.M.	H.R.	A&P	410	H.R.	A&P			
	15-5 PH V.M.	H.R.	Sol trt	416	H.R.	A&P			
	17-4 PH	H.R.	A&P	440 C	H.R.	A&P			
	302	C.D.	Ann.	2"	13-8 MO V.M.	H.R.	A&P		
	304	C.D.	Ann.		15-5 PH V.M.	H.R.	A&P		
	304 L	C.D.	Ann.		17-4 PH	H.R.	A&P		
	303 S	C.D.	Ann.		302	H.R.	A&P		
	303 Sel	C.D.	Ann.						
	316	C.D.	Ann.						

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## SQUARES

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
2"	304	H.R.	A&P	3"	316 L	H.R.	A&P	
	304 L	H.R.	A&P		321	H.R.	A&P	
	303 S	C.D.	Ann.		347	H.R.	A&P	
	303 Sel	C.D.	Ann.		403	H.R.	A&P	
	316	H.R.	A&P		410	H.R.	A&P	
	316 L	H.R.	A&P		416	H.R.	A&P	
	321	H.R.	A&P		440 C	H.R.	A&P	
	347	H.R.	A&P		FRY ALLOY 60	H.R.	A&P	
	403	H.R.	A&P		3-1/2"	13-8 MO V.M.	H.R.	A&P
	410	H.R.	A&P			15-5 PH V.M.	H.R.	A&P
	416	H.R.	A&P			17-4 PH	H.R.	A&P
	440 C	H.R.	A&P			302	H.R.	A&P
	FRY ALLOY 60	H.R.	A&P			304	H.R.	A&P
			304 L	H.R.		A&P		
2-1/4"	15-5 PH V.M.	H.R.	A&P	303 S	H.R.	A&P		
	17-4 PH	H.R.	A&P	316	H.R.	A&P		
	302	H.R.	A&P	316 L	H.R.	A&P		
	304	H.R.	A&P	321	H.R.	A&P		
	304 L	H.R.	A&P	403	H.R.	A&P		
	303 S	H.R.	A&P	410	H.R.	A&P		
	316	H.R.	A&P	416	H.R.	A&P		
	316 L	H.R.	A&P	440 C	H.R.	A&P		
	321	H.R.	A&P					
	403	H.R.	A&P	4"	13-8 MO V.M.	H.R.	A&P	
410	H.R.	A&P	15-5 PH V.M.		H.R.	A&P		
416	H.R.	A&P	17-4 PH		H.R.	A&P		
			302		H.R.	A&P		
2-3/8"	15-5 PH V.M.	H.R.	A&P		304	H.R.	A&P	
	17-4 PH	H.R.	A&P		304 L	H.R.	A&P	
2-1/2"	13-8 MO V.M.	H.R.	A&P		303 S	H.R.	A&P	
	15-5 PH V.M.	H.R.	A&P		316	H.R.	A&P	
	17-4 PH	H.R.	A&P		316 L	H.R.	A&P	
	302	H.R.	A&P		321	H.R.	A&P	
	304	H.R.	A&P		403	H.R.	A&P	
	304 L	H.R.	A&P		410	H.R.	A&P	
	303 S	H.R.	A&P		416	H.R.	A&P	
	316	H.R.	A&P	440 C	H.R.	A&P		
	316 L	H.R.	A&P	FRY ALLOY 60	H.R.	A&P		
	321	H.R.	A&P	4-1/2"	17-4 PH	H.R.	A&P	
	347	H.R.	A&P		302	H.R.	A&P	
	403	H.R.	A&P		304	H.R.	A&P	
	410	H.R.	A&P		304 L	H.R.	A&P	
	416	H.R.	A&P		303 S	H.R.	A&P	
	440 C	H.R.	A&P		316	H.R.	A&P	
FRY ALLOY 60	H.R.	A&P	316 L	H.R.	A&P			
2-3/4"	15-5 PH V.M.	H.R.	A&P	5"	15-5 PH V.M.	H.R.	A&P	
	17-4 PH	H.R.	A&P		17-4 PH	H.R.	A&P	
	302	H.R.	A&P		302	H.R.	A&P	
	304	H.R.	A&P		304	H.R.	A&P	
	304 L	H.R.	A&P		304 L	H.R.	A&P	
	303 S	H.R.	A&P		303 S	H.R.	A&P	
	316	H.R.	A&P		316	H.R.	A&P	
	316 L	H.R.	A&P		316 L	H.R.	A&P	
3"	13-8 MO V.M.	H.R.	A&P	5-1/2"	17-4 PH	H.R.	A&P	
	15-5 PH V.M.	H.R.	A&P		302	H.R.	A&P	
	17-4 PH	H.R.	A&P		304	H.R.	A&P	
	302	H.R.	A&P		304 L	H.R.	A&P	
	304	H.R.	A&P		303 S	H.R.	A&P	
	304 L	H.R.	A&P		6"	13-8 MO V.M.	H.R.	A&P
	303 S	H.R.	A&P	15-5 PH V.M.		H.R.	A&P	
	316	H.R.	A&P					

Finish: C.D. – Cold Drawn  
C.F. – Cold Finish  
H.R. – Hot Rolled  
C.G. – Centerless Ground

Condition: Ann. – Annealed  
A&P – Annealed & Pickled  
H.T. – Heat treated (RC 26/32)  
Sol trt – Solution Treated

ESR – Electroslag Re-melt  
Sel – Selenium  
"B" – Hi Tensile  
S – Sulfur

V.M. – Vacuum Arc Re-melt  
P.G. – Precision Ground  
L – Low Carbon

## SQUARES

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
6"	17-4 PH	H.R.	A&P				
	302	H.R.	A&P				
	304	H.R.	A&P				
	304 L	H.R.	A&P				
	303 S	H.R.	A&P				
	316	H.R.	A&P				
	316 L	H.R.	A&P				



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## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.		
1/8" x 1/4"	17-4 PH	C.F.	Sol trt	1/8" X 1"	304 P/B	H.R.	A&P		
	302	C.D.	Ann.		304 L	C.D.	Ann.		
	304	C.D.	Ann.		304 L P/B	H.R.	A&P		
	304 L	C.D.	Ann.		303 S	C.D.	Ann.		
	303 S	C.D.	Ann.		316	C.D.	Ann.		
416	C.D.	Ann.	316 L		C.D.	Ann.			
1/8" x 3/8"	17-4 PH	C.F.	Sol trt		403	C.D.	Ann.		
	302	C.D.	Ann.		410	C.D.	Ann.		
	304	C.D.	Ann.		416	C.D.	Ann.		
	304 L	C.D.	Ann.		440 C	H.R.	A&P		
	303 S	C.D.	Ann.	1/8" x 1-1/4"	302	C.D.	Ann.		
416	C.D.	Ann.	304		C.D.	Ann.			
1/8" x 1/2"	17-4 PH	C.F.	Sol trt		302 P/B	H.R.	A&P		
	302	C.D.	Ann.		304 P/B	H.R.	A&P		
	304	C.D.	Ann.		304 L	C.D.	Ann.		
	302 P/B	H.R.	A&P		304 L P/B	H.R.	A&P		
	304 P/B	H.R.	A&P		303 S	C.D.	Ann.		
	304 L	C.D.	Ann.		416	C.D.	Ann.		
	304 L P/B	H.R.	A&P		440 C	H.R.	A&P		
	303 S	C.D.	Ann.		1/8" x 1-1/2"	302 P/B	H.R.	A&P	
	316	C.D.	Ann.	304 P/B		H.R.	A&P		
	316 L	C.D.	Ann.	304 L P/B		H.R.	A&P		
403	C.D.	Ann.	440 C	H.R.	A&P				
410	C.D.	Ann.	1/8" x 1-3/4"	302 P/B	H.R.	A&P			
416	C.D.	Ann.		304 P/B	H.R.	A&P			
440C	H.R.	A&P		304 L P/B	H.R.	A&P			
1/8" x 5/8"	17-4 PH	C.F.	Sol trt	440 C	H.R.	A&P			
	302	C.D.	Ann.	1/8" x 2"	302 P/B	H.R.	A&P		
	304	C.D.	Ann.		304 P/B	H.R.	A&P		
	302 P/B	H.R.	A&P		304 L P/B	H.R.	A&P		
	304 P/B	H.R.	A&P	440 C	H.R.	A&P			
	304 L	C.D.	Ann.	1/8" x 2-1/2"	302 P/B	H.R.	A&P		
	304 L P/B	H.R.	A&P		304 P/B	H.R.	A&P		
	303 S	C.D.	Ann.		304 L P/B	H.R.	A&P		
	416	C.D.	Ann.	440 C	H.R.	A&P			
	440C	H.R.	A&P	1/8" x 3"	302 P/B	H.R.	A&P		
1/8" x 3/4"	17-4 PH	C.F.	Sol trt		304 P/B	H.R.	A&P		
	302	C.D.	Ann.		304 L P/B	H.R.	A&P		
	304	C.D.	Ann.		440 C	H.R.	A&P		
	302 P/B	H.R.	A&P		1/8" x 3-1/2"	440 C	H.R.	A&P	
	304 P/B	H.R.	A&P			1/8" x 4"	302 P/B	H.R.	A&P
	304 L	C.D.	Ann.				304 P/B	H.R.	A&P
	304 L P/B	H.R.	A&P		304 L P/B		H.R.	A&P	
	303 S	C.D.	Ann.		440 C	H.R.	A&P		
	316	C.D.	Ann.		1/8" x 5"	302 P/B	H.R.	A&P	
	316 L	C.D.	Ann.	304 P/B		H.R.	A&P		
403	C.D.	Ann.	304 L P/B	H.R.		A&P			
410	C.D.	Ann.	1/8" x 6"	302 P/B	H.R.	A&P			
416	C.D.	Ann.		304 P/B	H.R.	A&P			
440 C	H.R.	A&P		304 L P/B	H.R.	A&P			
1/8" x 7/8"	17-4 PH	C.F.	Sol trt	1/8" x 8"	302 P/B	H.R.	A&P		
	302 P/B	H.R.	A&P		304 P/B	H.R.	A&P		
	304 P/B	H.R.	A&P		304 L P/B	H.R.	A&P		
	304 L P/B	H.R.	A&P	3/16" x 1/4"	302	C.D.	Ann.		
303 S	C.D.	Ann.	304		C.D.	Ann.			
440 C	H.R.	A&P	304 L		C.D.	Ann.			
1/8" x 1"	17-4 PH	C.F.	Sol trt						
	302	C.D.	Ann.						
	304	C.D.	Ann.						
302 P/B	H.R.	A&P							

Finish: C.D. - Cold Drawn  
 C.F. - Cold Finish  
 H.R. - Hot Rolled  
 C.G. - Centerless Ground

Condition: Ann. - Annealed  
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 Sol trt - Solution Treated

ESR - Electroslag Re-melt  
 Sel - Selenium  
 "B" - Hi Tensile  
 S - Sulfur

V.M. - Vacuum Arc Re-melt  
 P.G. - Precision Ground  
 L - Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
3/16" x 1/4"	303 S	C.D.	Ann.	3/16" x 1"	304	H.R.	A&P
3/16" x 3/8"	17-4 PH	C.F.	Sol trt		302	C.D.	Ann.
	302	C.D.	Ann.	304	C.D.	Ann.	
	304	C.D.	Ann.	302 P/B	H.R.	A&P	
	304 L	C.D.	Ann.	304 P/B	H.R.	A&P	
	303 S	C.D.	Ann.	304 L	C.D.	Ann.	
	416	C.D.	Ann.	304 L	H.R.	A&P	
				304 L P/B	H.R.	A&P	
3/16" x 1/2"	17-4 PH	C.F.	Sol trt	303 S	H.R.	A&P	
	302	C.D.	Ann.	303 S	C.D.	Ann.	
	304	C.D.	Ann.	316	H.R.	A&P	
	302 P/B	H.R.	A&P	316 L	H.R.	A&P	
	304 P/B	H.R.	A&P	321	H.R.	A&P	
	304 L	C.D.	Ann.	403	H.R.	A&P	
	304 L P/B	H.R.	A&P	410	H.R.	A&P	
	303 S	C.D.	Ann.	416	H.R.	A&P	
	316	C.D.	Ann.	416	C.D.	Ann.	
	316 L	C.D.	Ann.	440 C	H.R.	A&P	
	403	C.D.	Ann.				
	410	C.D.	Ann.	3/16" x 1-1/4"	15-5 PH V.M.	H.R.	A&P
	416	C.D.	Ann.		17-4 PH	H.R.	A&P
	440 C	H.R.	A&P		302	H.R.	A&P
3/16" x 5/8"	17-4 PH	C.F.	Sol trt		304	H.R.	A&P
	302	C.D.	Ann.		302	C.D.	Ann.
	304	C.D.	Ann.		304	C.D.	Ann.
	302 P/B	H.R.	A&P		302 P/B	H.R.	A&P
	304 P/B	H.R.	A&P		304 P/B	H.R.	A&P
	304 L	C.D.	Ann.		304 L	C.D.	Ann.
	304 L P/B	H.R.	A&P		304 L	H.R.	A&P
	303 S	C.D.	Ann.		304 L P/B	H.R.	A&P
	440 C	H.R.	A&P		303 S	H.R.	A&P
					303 S	C.D.	Ann.
3/16" x 3/4"	17-4 PH	C.F.	Sol trt		316	H.R.	A&P
	302	H.R.	A&P		316 L	H.R.	A&P
	304	H.R.	A&P		403	H.R.	A&P
	302	C.D.	Ann.		410	H.R.	A&P
	304	C.D.	Ann.		416	H.R.	A&P
	302 P/B	H.R.	A&P		416	C.D.	Ann.
	304 P/B	H.R.	A&P		440 C	H.R.	A&P
	304 L	C.D.	Ann.				
	304 L	H.R.	A&P	3/16" x 1-1/2"	15-5 PH V.M.	H.R.	A&P
	304 L P/B	H.R.	A&P		17-4 PH	H.R.	A&P
	303 S	H.R.	A&P		302	H.R.	A&P
	303 S	C.D.	Ann.		304	H.R.	A&P
	316	H.R.	A&P		302 P/B	H.R.	A&P
	316 L	H.R.	A&P		304 P/B	H.R.	A&P
	403	C.D.	Ann.		304 L	H.R.	A&P
	410	C.D.	Ann.		304 L P/B	H.R.	A&P
	416	C.D.	Ann.		303 S	H.R.	A&P
	440 C	H.R.	A&P		316	H.R.	A&P
					316 L	H.R.	A&P
3/16" x 7/8"	302	C.D.	Ann.		321	H.R.	A&P
	304	C.D.	Ann.		403	H.R.	A&P
	302 P/B	H.R.	A&P		410	H.R.	A&P
	304 P/B	H.R.	A&P		416	H.R.	A&P
	304 L	C.D.	Ann.		416	C.D.	Ann.
	304 L P/B	H.R.	A&P		440 C	H.R.	A&P
	303 S	H.R.	A&P				
	303 S	C.D.	Ann.	3/16" x 1-3/4"	17-4 PH	H.R.	A&P
3/16" x 1"	15-5 PH V.M.	H.R.	A&P		302	H.R.	A&P
	17-4 PH	H.R.	A&P		304	H.R.	A&P
	302	H.R.	A&P		302 P/B	H.R.	A&P
					304 P/B	H.R.	A&P

**NOTE:** IT IS NOT ADVISABLE TO TRY TO FINISH ON SIZE FROM THE SIZE PURCHASED.  
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## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
3/16" x 1-3/4"	304 L P/B	H.R.	A&P	1/4" x 3/8"	17-4 PH	C.F.	Sol trt
	304 L	H.R.	A&P		302	C.D.	Ann.
	303 S	H.R.	A&P		304	C.D.	Ann.
	440 C	H.R.	A&P		304 L	C.D.	Ann.
3/16" x 2"	15-5 PH V.M.	H.R.	A&P	1/4" x 1/2"	303 S	C.D.	Ann.
	17-4 PH	H.R.	A&P		416	C.D.	Ann.
	302	H.R.	A&P		17-4 PH	C.F.	Sol trt
	304	H.R.	A&P		302	C.D.	Ann.
	302 P/B	H.R.	A&P	304	C.D.	Ann.	
	304 P/B	H.R.	A&P	302 P/B	H.R.	A&P	
	304 L	H.R.	A&P	304 P/B	H.R.	A&P	
	304 L P/B	H.R.	A&P	304 L	C.D.	Ann.	
	303 S	H.R.	A&P	304 L P/B	H.R.	A&P	
	316	H.R.	A&P	303 S	C.D.	Ann.	
	316 L	H.R.	A&P	316	C.D.	Ann.	
	403	H.R.	A&P	316 L	C.D.	Ann.	
	410	H.R.	A&P	321	C.D.	Ann.	
	416	H.R.	A&P	347	C.D.	Ann.	
416	C.D.	Ann.	403	C.D.	Ann.		
440 C	H.R.	A&P	410	C.D.	Ann.		
416	C.D.	Ann.	416	C.D.	Ann.		
3/16" x 2-1/4"	302 P/B	H.R.	A&P	1/4" x 5/8"	17-4 PH	C.F.	Sol trt
	304 P/B	H.R.	A&P		302	C.D.	Ann.
	304 L P/B	H.R.	A&P		304	C.D.	Ann.
3/16" x 2-1/2"	15-5 PH V.M.	H.R.	A&P		302 P/B	H.R.	A&P
	17-4 PH	H.R.	A&P	304 P/B	H.R.	A&P	
	302	H.R.	A&P	304 L	C.D.	Ann.	
	304	H.R.	A&P	304 L P/B	H.R.	A&P	
	302 P/B	H.R.	A&P	303 S	C.D.	Ann.	
	304 P/B	H.R.	A&P	416	C.D.	Ann.	
	304 L	H.R.	A&P	1/4" x 3/4"	17-4 PH	C.F.	Sol trt
	304 L P/B	H.R.	A&P		302	H.R.	A&P
	303 S	H.R.	A&P		304	H.R.	A&P
416	H.R.	A&P	302		C.D.	Ann.	
440 C	H.R.	A&P	304		C.D.	Ann.	
3/16" x 3"	15-5 PH V.M.	H.R.	A&P		302 P/B	H.R.	A&P
	302	H.R.	A&P		304 P/B	H.R.	A&P
	304	H.R.	A&P		304 L	H.R.	A&P
	302 P/B	H.R.	A&P		304 L	C.D.	Ann.
	304 P/B	H.R.	A&P	304 L P/B	H.R.	A&P	
	304 L	H.R.	A&P	303 S	H.R.	A&P	
	304 L P/B	H.R.	A&P	303 S	C.D.	Ann.	
	303 S	H.R.	A&P	316	H.R.	A&P	
440 C	H.R.	A&P	316 L	H.R.	A&P		
3/16" x 3-1/2"	440 C	H.R.	A&P	321	H.R.	A&P	
3/16" x 4"	302 P/B	H.R.	A&P	347	H.R.	A&P	
	304 P/B	H.R.	A&P	403	H.R.	A&P	
	304 L P/B	H.R.	A&P	410	H.R.	A&P	
	440 C	H.R.	A&P	416	H.R.	A&P	
3/16" x 5"	302 P/B	H.R.	A&P	416	C.D.	Ann.	
	304 P/B	H.R.	A&P	440 C	H.R.	A&P	
	304 L P/B	H.R.	A&P	1/4" x 7/8"	302	H.R.	A&P
3/16" x 6"	302 P/B	H.R.	A&P		304	H.R.	A&P
	304 P/B	H.R.	A&P		302	C.D.	Ann.
	304 L P/B	H.R.	A&P		304	C.D.	Ann.
3/16" x 8"	302 P/B	H.R.	A&P		302 P/B	H.R.	A&P
	304 P/B	H.R.	A&P		304 P/B	H.R.	A&P
	304 L P/B	H.R.	A&P		304 L	H.R.	A&P
					304 L	C.D.	Ann.
				304 L P/B	H.R.	A&P	

Finish: C.D. – Cold Drawn  
 C.F. – Cold Finish  
 H.R. – Hot Rolled  
 C.G. – Centerless Ground

Condition: Ann. – Annealed  
 A&P – Annealed & Pickled  
 H.T. – Heat treated (RC 26/32)  
 Sol trt – Solution Treated

ESR – Electroslag Re-melt  
 Sel – Selenium  
 "B" – Hi Tensile  
 S – Sulfur

V.M. – Vacuum Arc Re-melt  
 P.G. – Precision Ground  
 L – Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1/4" x 7/8"	303 S	H.R.	A&P	1/4" x 1-1/2"	303 S	H.R.	A&P	
	303 S	C.D.	Ann.		303 S	C.D.	Ann.	
1/4" x 1"	13-8 MO V.M.	H.R.	A&P	1/4" x 1-3/4"	316	H.R.	A&P	
	15-5 PH V.M.	H.R.	A&P		316 L	H.R.	A&P	
	17-4 PH	H.R.	A&P		321	H.R.	A&P	
	302	H.R.	A&P		347	H.R.	A&P	
	304	H.R.	A&P		403	H.R.	A&P	
	302	C.D.	Ann.		410	H.R.	A&P	
	304	C.D.	Ann.		416	H.R.	A&P	
	302 P/B	H.R.	A&P		416	C.D.	Ann.	
	304 P/B	H.R.	A&P		420	H.R.	A&P	
	304 L	H.R.	A&P		440 C	H.R.	A&P	
	304 L	C.D.	Ann.		1/4" x 2"	17-4 PH	H.R.	A&P
	304 L P/B	H.R.	A&P			302	H.R.	A&P
	303 S	H.R.	A&P			304	H.R.	A&P
	303 S	C.D.	Ann.			302	C.D.	Ann.
	303 Sel Hi tens	C.F.	"B"	304		C.D.	Ann.	
	316	H.R.	A&P	302 P/B		H.R.	A&P	
	316 L	H.R.	A&P	304 P/B		H.R.	A&P	
	321	H.R.	A&P	304 L		H.R.	A&P	
	347	H.R.	A&P	304 L		C.D.	Ann.	
	403	H.R.	A&P	304 L P/B		H.R.	A&P	
	410	H.R.	A&P	303 S		H.R.	A&P	
	416	H.R.	A&P	303 S		C.D.	Ann.	
	416	C.D.	Ann.	403		H.R.	A&P	
	420	H.R.	A&P	410		H.R.	A&P	
	440 C	H.R.	A&P	416	H.R.	A&P		
	1/4" x 1-1/4"	15-5 PH V.M.	H.R.	A&P	1/4" x 2-1/4"	440 C	H.R.	A&P
		17-4 PH	H.R.	A&P		302	H.R.	A&P
		302	H.R.	A&P		304	H.R.	A&P
304		H.R.	A&P	304 L		H.R.	A&P	
302		C.D.	Ann.	303 S		H.R.	A&P	
304		C.D.	Ann.	303 S		C.D.	Ann.	
302 P/B		H.R.	A&P	316		H.R.	A&P	
304 P/B		H.R.	A&P	316 L		H.R.	A&P	
304 L		H.R.	A&P	321		H.R.	A&P	
304 L		C.D.	Ann.	347		H.R.	A&P	
304 L P/B		H.R.	A&P	403		H.R.	A&P	
303 S		H.R.	A&P	410		H.R.	A&P	
303 S		C.D.	Ann.	416		H.R.	A&P	
316		H.R.	A&P	416		C.D.	Ann.	
316 L		H.R.	A&P	440 C		H.R.	A&P	
321		H.R.	A&P	1/4" x 2-1/2"		15-5 PH V.M.	H.R.	A&P
347		H.R.	A&P			17-4 PH	H.R.	A&P
403		H.R.	A&P			302	H.R.	A&P
410	H.R.	A&P	304		H.R.	A&P		
416	H.R.	A&P	303 S		H.R.	A&P		
416	C.D.	Ann.	303 S		C.D.	Ann.		
440 C	H.R.	A&P						
1/4" x 1-1/2"	15-5 PH V.M.	H.R.	A&P					
	17-4 PH	H.R.	A&P					
	302	H.R.	A&P					
	304	H.R.	A&P					
	302	C.D.	Ann.					
	304	C.D.	Ann.					
	302 P/B	H.R.	A&P					
	304 P/B	H.R.	A&P					
	304 L	H.R.	A&P					
	304 L	C.D.	Ann.					
	304 L P/B	H.R.	A&P					

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## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1/4" x 2-1/2"	302 P/B	H.R.	A&P	1/4" x 5"	302	H.R.	A&P	
	304 P/B	H.R.	A&P		304	H.R.	A&P	
	304 L	H.R.	A&P		302 P/B	H.R.	A&P	
	304 L P/B	H.R.	A&P		304 P/B	H.R.	A&P	
	303 S	H.R.	A&P		304 L	H.R.	A&P	
	303 S	C.D.	Ann.		304 L P/B	H.R.	A&P	
	316	H.R.	A&P		303 S	H.R.	A&P	
	316 L	H.R.	A&P		316	H.R.	A&P	
	321	H.R.	A&P		316 L	H.R.	A&P	
	403	H.R.	A&P		1/4" x 6"	302	H.R.	A&P
	410	H.R.	A&P			304	H.R.	A&P
	416	H.R.	A&P			302 P/B	H.R.	A&P
	440 C	H.R.	A&P			304 P/B	H.R.	A&P
			304 L	H.R.		A&P		
1/4" x 2-3/4"	303 S	H.R.	A&P	304 L P/B	H.R.	A&P		
1/4" x 3"	15-5 PH V.M.	H.R.	A&P	303 S	H.R.	A&P		
	17-4 PH	H.R.	A&P	316	H.R.	A&P		
	302	H.R.	A&P	316 L	H.R.	A&P		
	304	H.R.	A&P	1/4" x 8"	302 P/B	H.R.	A&P	
	302 P/B	H.R.	A&P		304 P/B	H.R.	A&P	
	304 P/B	H.R.	A&P		304 L P/B	H.R.	A&P	
	304 L	H.R.	A&P	5/16" x 3/8"	303 S	C.D.	Ann.	
	304 L P/B	H.R.	A&P		5/16" x 1/2"	17-4 PH	C.F.	Sol trt
	303 S	H.R.	A&P	302	C.D.	Ann.		
	303 S	C.D.	Ann.	304	C.D.	Ann.		
	316	H.R.	A&P	302 P/B	H.R.	A&P		
	316 L	H.R.	A&P	304 P/B	H.R.	A&P		
	321	H.R.	A&P	304 L	C.D.	Ann.		
	403	H.R.	A&P	304 L P/B	H.R.	A&P		
	410	H.R.	A&P	303 S	C.D.	Ann.		
416	H.R.	A&P	416	C.D.	Ann.			
440 C	H.R.	A&P	5/16" x 5/8"	302	C.D.	Ann.		
1/4" x 3-1/4"	303 S	H.R.		A&P	304	C.D.	Ann.	
					304 L	C.D.	Ann.	
1/4" x 3-1/2"	17-4 PH	H.R.		A&P	303 S	C.D.	Ann.	
	302	H.R.	A&P	5/16" x 3/4"	17-4 PH	H.R.	A&P	
	304	H.R.	A&P		302	H.R.	A&P	
	304 L	H.R.	A&P		304	H.R.	A&P	
	303 S	H.R.	A&P		302	C.D.	Ann.	
	316	H.R.	A&P		304	C.D.	Ann.	
	316 L	H.R.	A&P		302 P/B	H.R.	A&P	
440 C	H.R.	A&P	304 P/B		H.R.	A&P		
1/4" x 4"	17-4 PH	H.R.	A&P	304 L	H.R.	A&P		
	302	H.R.	A&P	304 L	C.D.	Ann.		
	304	H.R.	A&P	304 L P/B	H.R.	A&P		
	302 P/B	H.R.	A&P	303 S	H.R.	A&P		
	304 P/B	H.R.	A&P	303 S	C.D.	Ann.		
	304 L	H.R.	A&P	416	H.R.	A&P		
	304 L P/B	H.R.	A&P	416	C.D.	Ann.		
	303 S	H.R.	A&P	440 C	H.R.	A&P		
	316	H.R.	A&P	5/16" x 7/8"	302	C.D.	Ann.	
	316 L	H.R.	A&P		304	C.D.	Ann.	
	321	H.R.	A&P		304 L	C.D.	Ann.	
	403	H.R.	A&P		303 S	H.R.	A&P	
	410	H.R.	A&P	303 S	C.D.	Ann.		
416	H.R.	A&P	5/16" x 1"	15-5 PH V.M.	H.R.	A&P		
440 C	H.R.	A&P		17-4 PH	H.R.	A&P		
				302	H.R.	A&P		
1/4" x 4-1/2"	302	H.R.	A&P					
	304	H.R.	A&P					
	304 L	H.R.	A&P					
	303 S	H.R.	A&P					

Finish: C.D. - Cold Drawn  
 C.F. - Cold Finish  
 H.R. - Hot Rolled  
 C.G. - Centerless Ground

Condition: Ann. - Annealed  
 A&P - Annealed & Pickled  
 H.T. - Heat treated (RC 26/32)  
 Sol trt - Solution Treated

ESR - Electroslag Re-melt  
 Sel - Selenium  
 "B" - Hi Tensile  
 S - Sulfur

V.M. - Vacuum Arc Re-melt  
 P.G. - Precision Ground  
 L - Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
5/16" x 1"	304	H.R.	A&P	5/16" x 2"	304 L P/B	H.R.	A&P	
	302	C.D.	Ann.		303 S	H.R.	A&P	
	304	C.D.	Ann.		303 S	C.D.	Ann.	
	302 P/B	H.R.	A&P		316	H.R.	A&P	
	304 P/B	H.R.	A&P		316 L	H.R.	A&P	
	304 L	H.R.	A&P		416	H.R.	A&P	
	304 L	C.D.	Ann.		416	C.D.	Ann.	
	304 L P/B	H.R.	A&P		440 C	H.R.	A&P	
	303 S	H.R.	A&P		5/16" x 2-1/4"	302	H.R.	A&P
	303 S	C.D.	Ann.			304	H.R.	A&P
	316	H.R.	A&P	304 L		H.R.	A&P	
	316 L	H.R.	A&P	303 S		H.R.	A&P	
	5/16" x 1-1/4"	416	H.R.	A&P	5/16" x 2-1/2"	17-4 PH	H.R.	A&P
		416	C.D.	Ann.		302	H.R.	A&P
		440 C	H.R.	A&P		304	H.R.	A&P
						304 L	H.R.	A&P
17-4 PH		H.R.	A&P	303 S	H.R.	A&P		
302		H.R.	A&P	303 S	C.D.	Ann.		
304		H.R.	A&P	5/16" X 3"	15-5 PH V.M.	H.R.	A&P	
302		C.D.	Ann.		17-4 PH	H.R.	A&P	
304		C.D.	Ann.		302	H.R.	A&P	
302 P/B		H.R.	A&P		304	H.R.	A&P	
304 P/B		H.R.	A&P		302 P/B	H.R.	A&P	
304 L		H.R.	A&P		304 P/B	H.R.	A&P	
304 L		C.D.	Ann.		304 L	H.R.	A&P	
304 L P/B		H.R.	A&P		304 L P/B	H.R.	A&P	
303 S		H.R.	A&P		303 S	H.R.	A&P	
303 S		C.D.	Ann.					
316	H.R.	A&P	5/16" x 4"	302	H.R.	A&P		
316 L	H.R.	A&P		304	H.R.	A&P		
416	H.R.	A&P		302 P/B	H.R.	A&P		
416	C.D.	Ann.		304 P/B	H.R.	A&P		
5/16" x 1-1/2"	416	C.D.	Ann.	304 L	H.R.	A&P		
	15-5 PH V.M.	H.R.	A&P	304 L P/B	H.R.	A&P		
	17-4 PH	H.R.	A&P	5/16" x 5"	302	H.R.	A&P	
	302	H.R.	A&P		304	H.R.	A&P	
	304	H.R.	A&P		302 P/B	H.R.	A&P	
	302	C.D.	Ann.		304 P/B	H.R.	A&P	
	304	C.D.	Ann.	304 L	H.R.	A&P		
	302 P/B	H.R.	A&P	304 L P/B	H.R.	A&P		
	304 P/B	H.R.	A&P	5/16" x 6"	302 P/B	H.R.	A&P	
	304 L	H.R.	A&P		304 P/B	H.R.	A&P	
	304 L	C.D.	Ann.		304 L P/B	H.R.	A&P	
	304 L P/B	H.R.	A&P					
	303 S	H.R.	A&P	3/8" x 1/2"	17-4 PH	C.F.	Sol trt	
	303 S	C.D.	Ann.		302	C.D.	Ann.	
	316	H.R.	A&P		304	C.D.	Ann.	
	316 L	H.R.	A&P		304 L	C.D.	Ann.	
416	H.R.	A&P	303 S		C.D.	Ann.		
416	C.D.	Ann.	316		C.D.	Ann.		
440 C	H.R.	A&P	316 L		C.D.	Ann.		
			321		C.D.	Ann.		
			416	C.D.	Ann.			
5/16" x 1-3/4"	302	H.R.	A&P	3/8" x 5/8"	17-4 PH	H.R.	A&P	
	304	H.R.	A&P		302	H.R.	A&P	
	304 L	H.R.	A&P		304	H.R.	A&P	
	303 S	H.R.	A&P		302	C.D.	Ann.	
5/16" x 2"					304	C.D.	Ann.	
	15-5 PH V.M.	H.R.	A&P		304	C.D.	Ann.	
	17-4 PH	H.R.	A&P		304 L	H.R.	A&P	
	302	H.R.	A&P		304 L	C.D.	Ann.	
	304	H.R.	A&P					
	302 P/B	H.R.	A&P					
	304 P/B	H.R.	A&P					
	304 L	H.R.	A&P					

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## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
3/8" x 5/8"	303 S	H.R.	A&P	3/8" x 1-1/4"	304 L	H.R.	A&P	
	303 S	C.D.	Ann.		304 L	C.D.	Ann.	
	416	H.R.	A&P		304 L P/B	H.R.	A&P	
	416	C.D.	Ann.		303 S	H.R.	A&P	
3/8" x 3/4"	17-4 PH	H.R.	A&P		303 S	C.D.	Ann.	
	302	H.R.	A&P		316	H.R.	A&P	
	304	H.R.	A&P		316 L	H.R.	A&P	
	302	C.D.	Ann.		321	H.R.	A&P	
	304	C.D.	Ann.		403	H.R.	A&P	
	302 P/B	H.R.	A&P		410	H.R.	A&P	
	304 P/B	H.R.	A&P		416	H.R.	A&P	
	304 L	H.R.	A&P		416	C.D.	Ann.	
	304 L	C.D.	Ann.		440 C	H.R.	A&P	
	304 L P/B	H.R.	A&P		3/8" x 1-1/2"	15-5 PH V.M.	H.R.	A&P
	303 S	H.R.	A&P			17-4 PH	H.R.	A&P
	303 S	C.D.	Ann.			302	H.R.	A&P
	316	H.R.	A&P	304		H.R.	A&P	
	316 L	H.R.	A&P	302		C.D.	Ann.	
	321	H.R.	A&P	304		C.D.	Ann.	
	403	H.R.	A&P	302 P/B		H.R.	A&P	
410	H.R.	A&P	304 P/B	H.R.		A&P		
416	H.R.	A&P	304 L	H.R.		A&P		
416	C.D.	Ann.	304 L	C.D.		Ann.		
440 C	H.R.	A&P	304 L P/B	H.R.		A&P		
3/8" x 7/8"	302	H.R.	A&P	303 S		H.R.	A&P	
	304	H.R.	A&P	303 S		C.D.	Ann.	
	304 L	H.R.	A&P	316		H.R.	A&P	
	303 S	H.R.	A&P	316 L		H.R.	A&P	
	303 S	C.D.	Ann.	321		H.R.	A&P	
3/8" x 1"	15-5 PH V.M.	H.R.	A&P	347	H.R.	A&P		
	17-4 PH	H.R.	A&P	403	H.R.	A&P		
	302	H.R.	A&P	410	H.R.	A&P		
	304	H.R.	A&P	416	H.R.	A&P		
	302	C.D.	Ann.	416	C.D.	Ann.		
	304	C.D.	Ann.	440 C	H.R.	A&P		
	302 P/B	H.R.	A&P	3/8" x 1-3/4"	17-4 PH	H.R.	A&P	
	304 P/B	H.R.	A&P		302	H.R.	A&P	
	304 L	H.R.	A&P		304	H.R.	A&P	
	304 L	C.D.	Ann.		304 L	H.R.	A&P	
	304 L P/B	H.R.	A&P		303 S	H.R.	A&P	
	303 S	H.R.	A&P	416	H.R.	A&P		
	303 S	C.D.	Ann.	440 C	H.R.	A&P		
	303 Sel Hi tens	C.F.	"B"	3/8" x 2"	15-5 PH V.M.	H.R.	A&P	
	316	H.R.	A&P		17-4 PH	H.R.	A&P	
	316 L	H.R.	A&P		302	H.R.	A&P	
	321	H.R.	A&P		304	H.R.	A&P	
	347	H.R.	A&P		302	C.D.	Ann.	
	403	H.R.	A&P		304	C.D.	Ann.	
	410	H.R.	A&P		302 P/B	H.R.	A&P	
416	H.R.	A&P	304 P/B		H.R.	A&P		
416	C.D.	Ann.	304 L		H.R.	A&P		
420	H.R.	A&P	304 L		C.D.	Ann.		
440 C	H.R.	A&P	304 L P/B		H.R.	A&P		
3/8" x 1-1/4"	17-4 PH	H.R.	A&P		303 S	H.R.	A&P	
	302	H.R.	A&P		303 S	C.D.	Ann.	
	304	H.R.	A&P		303 Sel Hi tens	C.F.	"B"	
	302	C.D.	Ann.		316	H.R.	A&P	
	304	C.D.	Ann.		316 L	H.R.	A&P	
	302 P/B	H.R.	A&P	321	H.R.	A&P		
	304 P/B	H.R.	A&P	347	H.R.	A&P		

Finish: C.D. - Cold Drawn  
 C.F. - Cold Finish  
 H.R. - Hot Rolled  
 C.G. - Centerless Ground

Condition: Ann. - Annealed  
 A&P - Annealed & Pickled  
 H.T. - Heat treated (RC 26/32)  
 Sol trt - Solution Treated

ESR - Electroslag Re-melt  
 Sel - Selenium  
 "B" - Hi Tensile  
 S - Sulfur

V.M. - Vacuum Arc Re-melt  
 P.G. - Precision Ground  
 L - Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
3/8" x 2"	403	H.R.	A&P	3/8" x 4"	304 L	H.R.	A&P	
	410	H.R.	A&P		304 L P/B	H.R.	A&P	
	416	H.R.	A&P		303 S	H.R.	A&P	
	416	C.D.	Ann.		303 S	C.D.	Ann.	
	440 C	H.R.	A&P		316	H.R.	A&P	
3/8" x 2-1/4"	17-4 PH	H.R.	A&P		316 L	H.R.	A&P	
	302	H.R.	A&P		321	H.R.	A&P	
	304	H.R.	A&P		403	H.R.	A&P	
	304 L	H.R.	A&P		410	H.R.	A&P	
	303 S	H.R.	A&P		416	H.R.	A&P	
	303 S	C.D.	Ann.		416	C.D.	Ann.	
3/8" x 2-1/2"	15-5 PH V.M.	H.R.	A&P		3/8" x 4-1/2"	17-4 PH	H.R.	A&P
	17-4 PH	H.R.	A&P			302	H.R.	A&P
	302	H.R.	A&P			304	H.R.	A&P
	304	H.R.	A&P			304 L	H.R.	A&P
	302 P/B	H.R.	A&P	303 S		H.R.	A&P	
	304 P/B	H.R.	A&P	3/8" x 5"	17-4 PH	H.R.	A&P	
	304 L	H.R.	A&P		302	H.R.	A&P	
	304 L P/B	H.R.	A&P		304	H.R.	A&P	
	303 S	H.R.	A&P		302 P/B	H.R.	A&P	
	303 S	C.D.	Ann.		304 P/B	H.R.	A&P	
	316	H.R.	A&P		304 L	H.R.	A&P	
	316 L	H.R.	A&P		304 L P/B	H.R.	A&P	
	321	H.R.	A&P		303 S	H.R.	A&P	
	403	H.R.	A&P		316	H.R.	A&P	
	410	H.R.	A&P		316 L	H.R.	A&P	
	416	H.R.	A&P		416	H.R.	A&P	
	416	C.D.	Ann.		440 C	H.R.	A&P	
440 C	H.R.	A&P	3/8" x 6"	17-4 PH	H.R.	A&P		
3/8" x 2-3/4"	440 C	H.R.		A&P	302	H.R.	A&P	
	3/8" x 3"	15-5 PH V.M.		H.R.	A&P	304	H.R.	A&P
17-4 PH		H.R.		A&P	302 P/B	H.R.	A&P	
302		H.R.		A&P	304 P/B	H.R.	A&P	
304		H.R.		A&P	304 L	H.R.	A&P	
302 P/B		H.R.		A&P	304 L P/B	H.R.	A&P	
304 P/B		H.R.		A&P	303 S	H.R.	A&P	
304 L		H.R.		A&P	316	H.R.	A&P	
304 L P/B		H.R.		A&P	316 L	H.R.	A&P	
303 S		H.R.		A&P	416	H.R.	A&P	
303 S		C.D.		Ann.	3/8" x 8"	302 P/B	H.R.	A&P
316		H.R.		A&P		304 P/B	H.R.	A&P
316 L		H.R.		A&P		304 L P/B	H.R.	A&P
321		H.R.		A&P	7/16" x 3/4"	303 S	H.R.	A&P
403		H.R.		A&P		7/16" x 1"	303 S	H.R.
410		H.R.		A&P	1/2" x 5/8"		17-4 PH	H.R.
416		H.R.	A&P	302		H.R.	A&P	
416	C.D.	Ann.	304	H.R.		A&P		
440 C	H.R.	A&P	302	C.D.		Ann.		
3/8" x 3-1/2"	17-4 PH	H.R.	A&P	304		C.D.	Ann.	
	302	H.R.	A&P	304 L		H.R.	A&P	
	304	H.R.	A&P	304 L		C.D.	Ann.	
	304 L	H.R.	A&P	303 S		H.R.	A&P	
	303 S	H.R.	A&P	303 S		C.D.	Ann.	
3/8" x 4"	15-5 PH V.M.	H.R.	A&P	416		H.R.	A&P	
	17-4 PH	H.R.	A&P	416	C.D.	Ann.		
	302	H.R.	A&P	1/2" x 3/4"	17-4 PH	H.R.	A&P	
	304	H.R.	A&P		302	H.R.	A&P	
	302 P/B	H.R.	A&P					
	304 P/B	H.R.	A&P					

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## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1/2" x 3/4"	304	H.R.	A&P	1/2" x 1-1/4"	316	H.R.	A&P	
	302	C.D.	Ann.		316 L	H.R.	A&P	
	304	C.D.	Ann.		321	H.R.	A&P	
	304 L	H.R.	A&P		347	H.R.	A&P	
	304 L	C.D.	Ann.		403	H.R.	A&P	
	303 S	H.R.	A&P		410	H.R.	A&P	
	303 S	C.D.	Ann.		416	H.R.	A&P	
	316	H.R.	A&P		416	C.D.	Ann.	
	316 L	H.R.	A&P		440 C	H.R.	A&P	
	321	H.R.	A&P		1/2" x 1-1/2"	13-8 MO V.M.	H.R.	A&P
	347	H.R.	A&P			15-5 PH V.M.	H.R.	A&P
	403	H.R.	A&P			17-4 PH	H.R.	A&P
	410	H.R.	A&P			302	H.R.	A&P
	416	H.R.	A&P			304	H.R.	A&P
	416	C.D.	Ann.			302	C.D.	Ann.
440 C	H.R.	A&P	304	C.D.		Ann.		
1/2" x 7/8"	17-4 PH	H.R.	A&P	302 P/B		H.R.	A&P	
	302	H.R.	A&P	304 P/B		H.R.	A&P	
	304	H.R.	A&P	304 L		H.R.	A&P	
	304 L	H.R.	A&P	304 L		C.D.	Ann.	
	303 S	H.R.	A&P	304 L P/B		H.R.	A&P	
	303 S	C.D.	Ann.	303 S		H.R.	A&P	
1/2" x 1"	13-8 MO V.M.	H.R.	A&P	303 S		C.D.	Ann.	
	15-5 PH V.M.	H.R.	A&P	303 Sel Hi tens		C.F.	"B"	
	17-4 PH	H.R.	A&P	316	H.R.	A&P		
	302	H.R.	A&P	316 L	H.R.	A&P		
	304	H.R.	A&P	321	H.R.	A&P		
	302	C.D.	Ann.	347	H.R.	A&P		
	304	C.D.	Ann.	403	H.R.	A&P		
	302 P/B	H.R.	A&P	410	H.R.	A&P		
	304 P/B	H.R.	A&P	416	H.R.	A&P		
	304 L	H.R.	A&P	416	C.D.	Ann.		
	304 L	C.D.	Ann.	420	H.R.	A&P		
	304 L P/B	H.R.	A&P	440 C	H.R.	A&P		
	303 S	H.R.	A&P	1/2" x 1-3/4"	13-8 MO V.M.	H.R.	A&P	
	303 S	C.D.	Ann.		15-5 PH V.M.	H.R.	A&P	
	303 Sel Hi tens	C.F.	"B"		17-4 PH	H.R.	A&P	
	316	H.R.	A&P		302	H.R.	A&P	
	316 L	H.R.	A&P		304	H.R.	A&P	
	321	H.R.	A&P		302	C.D.	Ann.	
	347	H.R.	A&P		304	C.D.	Ann.	
	403	H.R.	A&P		304 L	H.R.	A&P	
	410	H.R.	A&P		304 L	C.D.	Ann.	
	416	H.R.	A&P		303 S	H.R.	A&P	
	416	C.D.	Ann.		303 S	C.D.	Ann.	
	420	H.R.	A&P		316	H.R.	A&P	
440 C	H.R.	A&P	316 L		H.R.	A&P		
1/2" x 1-1/4"	15-5 PH V.M.	H.R.	A&P		403	H.R.	A&P	
	17-4 PH	H.R.	A&P		410	H.R.	A&P	
	302	H.R.	A&P	416	H.R.	A&P		
	304	H.R.	A&P	440 C	H.R.	A&P		
	302	C.D.	Ann.	1/2" x 2"	13-8 MO V.M.	H.R.	A&P	
	304	C.D.	Ann.		15-5 PH V.M.	H.R.	A&P	
	302 P/B	H.R.	A&P		17-4 PH	H.R.	A&P	
	304 P/B	H.R.	A&P		302	H.R.	A&P	
	304 L	H.R.	A&P		304	H.R.	A&P	
	304 L	C.D.	Ann.		302	C.D.	Ann.	
	304 L P/B	H.R.	A&P		304	C.D.	Ann.	
	303 S	H.R.	A&P		302	C.D.	Ann.	
	303 S	C.D.	Ann.		302 P/B	H.R.	A&P	
					304 P/B	H.R.	A&P	

Finish: C.D. - Cold Drawn  
 C.F. - Cold Finish  
 H.R. - Hot Rolled  
 C.G. - Centerless Ground

Condition: Ann. - Annealed  
 A&P - Annealed & Pickled  
 H.T. - Heat treated (RC 26/32)  
 Sol trt - Solution Treated

ESR - Electroslag Re-melt  
 Sel - Selenium  
 "B" - Hi Tensile  
 S - Sulfur

V.M. - Vacuum Arc Re-melt  
 P.G. - Precision Ground  
 L - Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1/2" x 2"	304 L	H.R.	A&P	1/2" x 3"	416	C.D.	Ann.	
	304 L	C.D.	Ann.		440 C	H.R.	A&P	
	304 L P/B	H.R.	A&P	1/2" x 3-1/4"	17-4 PH	H.R.	A&P	
	303 S	H.R.	A&P		1/2" x 3-1/2"	17-4 PH	H.R.	A&P
	303 S	C.D.	Ann.	302		H.R.	A&P	
	316	H.R.	A&P	304		H.R.	A&P	
	316 L	H.R.	A&P	302 P/B		H.R.	A&P	
	321	H.R.	A&P	304 P/B		H.R.	A&P	
	347	H.R.	A&P	304 L		H.R.	A&P	
	403	H.R.	A&P	304 L P/B		H.R.	A&P	
	410	H.R.	A&P	303 S		H.R.	A&P	
	416	H.R.	A&P	1/2" x 4"		13-8 MO V.M.	H.R.	A&P
	416	C.D.	Ann.			15-5 PH V.M.	H.R.	A&P
	420	H.R.	A&P		17-4 PH	H.R.	A&P	
	440 C	H.R.	A&P		302	H.R.	A&P	
	1/2" x 2-1/4"	17-4 PH	H.R.		A&P	304	H.R.	A&P
303 S		H.R.	A&P		302	C.D.	Ann.	
303 S		C.D.	Ann.	304	C.D.	Ann.		
1/2" x 2-1/2"	13-8 MO V.M.	H.R.	A&P	302 P/B	H.R.	A&P		
	15-5 PH V.M.	H.R.	A&P	304 P/B	H.R.	A&P		
	17-4 PH	H.R.	A&P	304 L	H.R.	A&P		
	302	H.R.	A&P	304 L	C.D.	Ann.		
	304	H.R.	A&P	304 L P/B	H.R.	A&P		
	302 P/B	H.R.	A&P	303 S	H.R.	A&P		
	304 P/B	H.R.	A&P	303 S	C.D.	Ann.		
	304 L	H.R.	A&P	316	H.R.	A&P		
	304 L P/B	H.R.	A&P	316 L	H.R.	A&P		
	303 S	H.R.	A&P	321	H.R.	A&P		
	303 S	C.D.	Ann.	403	H.R.	A&P		
	316	H.R.	A&P	410	H.R.	A&P		
	316 L	H.R.	A&P	416	H.R.	A&P		
	321	H.R.	A&P	416	C.D.	Ann.		
	403	H.R.	A&P	440 C	H.R.	A&P		
	410	H.R.	A&P	1/2" x 4-1/4"	17-4 PH	H.R.	A&P	
	416	H.R.	A&P		1/2" x 4-1/2"	17-4 PH	H.R.	A&P
	416	C.D.	Ann.	302		H.R.	A&P	
	440 C	H.R.	A&P	304		H.R.	A&P	
	1/2" x 2-3/4"	13-8 MO V.M.	H.R.	A&P		304 L	H.R.	A&P
303 S		H.R.	A&P	303 S	H.R.	A&P		
1/2" x 3"	13-8 MO V.M.	H.R.	A&P	1/2" x 5"	15-5 PH V.M.	H.R.	A&P	
	15-5 PH V.M.	H.R.	A&P		17-4 PH	H.R.	A&P	
	17-4 PH	H.R.	A&P		302	H.R.	A&P	
	302	H.R.	A&P		304	H.R.	A&P	
	304	H.R.	A&P		302 P/B	H.R.	A&P	
	302	C.D.	Ann.		304 P/B	H.R.	A&P	
	304	C.D.	Ann.		304 L	H.R.	A&P	
	302 P/B	H.R.	A&P		304 L P/B	H.R.	A&P	
	304 P/B	H.R.	A&P		303 S	H.R.	A&P	
	304 L	H.R.	A&P		316	H.R.	A&P	
	304 L	C.D.	Ann.		316 L	H.R.	A&P	
	304 L P/B	H.R.	A&P		416	H.R.	A&P	
	303 S	H.R.	A&P		440 C	H.R.	A&P	
	303 S	C.D.	Ann.		1/2" x 5-1/2"	303 S	H.R.	A&P
	316	H.R.	A&P	1/2" x 6"		13-8 MO V.M.	H.R.	A&P
	316 L	H.R.	A&P			15-5 PH V.M.	H.R.	A&P
	321	H.R.	A&P		17-4 PH	H.R.	A&P	
	347	H.R.	A&P		302	H.R.	A&P	
	403	H.R.	A&P		304	H.R.	A&P	
	410	H.R.	A&P					
	416	H.R.	A&P					

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**FLATS**  
STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1/2" x 6"	302 P/B	H.R.	A&P	5/8" x 1-1/4"	440 C	H.R.	A&P	
	304 P/B	H.R.	A&P		5/8" x 1-1/2"	13-8 MO V.M.	H.R.	A&P
	304 L	H.R.	A&P			15-5 PH V.M.	H.R.	A&P
	304 L P/B	H.R.	A&P			17-4 PH	H.R.	A&P
	303 S	H.R.	A&P			302	H.R.	A&P
	316	H.R.	A&P			304	H.R.	A&P
	316 L	H.R.	A&P			302	C.D.	Ann.
	321	H.R.	A&P			304	C.D.	Ann.
	416	H.R.	A&P			304 L	H.R.	A&P
	440 C	H.R.	A&P			304 L	C.D.	Ann.
1/2" x 7"	302 P/B	H.R.	A&P	303 S		H.R.	A&P	
	304 P/B	H.R.	A&P	303 S	C.D.	Ann.		
	304 L P/B	H.R.	A&P	316	H.R.	A&P		
1/2" x 8"	302 P/B	H.R.	A&P	316 L	H.R.	A&P		
	304 P/B	H.R.	A&P	321	H.R.	A&P		
	304 L P/B	H.R.	A&P	347	H.R.	A&P		
5/8" x 3/4"	17-4 PH	H.R.	A&P	403	H.R.	A&P		
	302	H.R.	A&P	410	H.R.	A&P		
	304	H.R.	A&P	416	H.R.	A&P		
	304 L	H.R.	A&P	416	C.D.	Ann.		
	303 S	H.R.	A&P	440 C	H.R.	A&P		
	303 S	C.D.	Ann.	5/8" x 1-3/4"	17-4 PH	H.R.	A&P	
	416	H.R.	A&P		302	H.R.	A&P	
416	C.D.	Ann.	304		H.R.	A&P		
5/8" x 7/8"	302	H.R.	A&P		304 L	H.R.	A&P	
	304	H.R.	A&P		303 S	H.R.	A&P	
	304 L	H.R.	A&P		303 S	C.D.	Ann.	
	303 S	H.R.	A&P		416	H.R.	A&P	
	303 S	C.D.	Ann.	440 C	H.R.	A&P		
5/8" x 1"	13-8 MO V.M.	H.R.	A&P	5/8" x 2"	13-8 MO V.M.	H.R.	A&P	
	15-5 PH V.M.	H.R.	A&P		15-5 PH V.M.	H.R.	A&P	
	17-4 PH	H.R.	A&P		17-4 PH	H.R.	A&P	
	302	H.R.	A&P		302	H.R.	A&P	
	304	H.R.	A&P		304	C.D.	Ann.	
	302	C.D.	Ann.		304	C.D.	Ann.	
	304	C.D.	Ann.		304 L	H.R.	A&P	
	304 L	H.R.	A&P		304 L	C.D.	Ann.	
	304 L	C.D.	Ann.		303 S	H.R.	A&P	
	303 S	H.R.	A&P		303 S	C.D.	Ann.	
	303 S	C.D.	Ann.	316	H.R.	A&P		
	316	H.R.	A&P	316 L	H.R.	A&P		
	316 L	H.R.	A&P	321	H.R.	A&P		
	321	H.R.	A&P	403	H.R.	A&P		
	347	H.R.	A&P	410	H.R.	A&P		
	403	H.R.	A&P	416	H.R.	A&P		
	410	H.R.	A&P	416	C.D.	Ann.		
	416	H.R.	A&P	440 C	H.R.	A&P		
	416	C.D.	Ann.	5/8" x 2-1/4"	17-4 PH	H.R.	A&P	
	440 C	H.R.	A&P		302	H.R.	A&P	
5/8" x 1-1/4"	15-5 PH V.M.	H.R.	A&P		304	H.R.	A&P	
	17-4 PH	H.R.	A&P		304 L	H.R.	A&P	
	302	H.R.	A&P		303 S	H.R.	A&P	
	304	H.R.	A&P	303 S	C.D.	Ann.		
	304 L	H.R.	A&P	5/8" x 2-1/2"	15-5 PH V.M.	H.R.	A&P	
	303 S	H.R.	A&P		17-4 PH	H.R.	A&P	
	303 S	C.D.	Ann.		302	H.R.	A&P	
	321	H.R.	A&P		304	H.R.	A&P	
	416	H.R.	A&P		304 L	H.R.	A&P	
	416	C.D.	Ann.	303 S	H.R.	A&P		

Finish: C.D. - Cold Drawn

C.F. - Cold Finish

H.R. - Hot Rolled

C.G. - Centerless Ground

Condition: Ann. - Annealed

A&amp;P - Annealed &amp; Pickled

H.T. - Heat treated (RC 26/32)

Sol trt - Solution Treated

ESR - Electroslag Re-melt

Sel - Selenium

"B" - Hi Tensile

S - Sulfur

V.M. - Vacuum Arc Re-melt

P.G. - Precision Ground

L - Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
5/8" x 2-1/2"	303 S	C.D.	Ann.	3/4" x 1"	303 S	H.R.	A&P
	416	H.R.	A&P		303 S	C.D.	Ann.
	416	C.D.	Ann.		303 Sel Hi tens	C.F.	"B"
	440 C	H.R.	A&P		316	H.R.	A&P
5/8" x 2-3/4"	17-4 PH	H.R.	A&P		316 L	H.R.	A&P
					321	H.R.	A&P
5/8" x 3"	15-5 PH V.M.	H.R.	A&P		347	H.R.	A&P
	17-4 PH	H.R.	A&P		403	H.R.	A&P
	302	H.R.	A&P		410	H.R.	A&P
	304	H.R.	A&P		416	H.R.	A&P
	304 L	H.R.	A&P		416	C.D.	Ann.
	303 S	H.R.	A&P		420	H.R.	A&P
	303 S	C.D.	Ann.		440 C	H.R.	A&P
	316	H.R.	A&P				
	316 L	H.R.	A&P				
	416	H.R.	A&P				
416	C.D.	Ann.					
440 C	H.R.	A&P					
5/8" x 3-1/4"	17-4 PH	H.R.	A&P	3/4" x 1-1/4"	15-5 PH V.M.	H.R.	A&P
					17-4 PH	H.R.	A&P
					302	H.R.	A&P
					304	H.R.	A&P
					302	C.D.	Ann.
					304	C.D.	Ann.
					304 L	H.R.	A&P
					304 L	C.D.	Ann.
					303 S	H.R.	A&P
					303 S	C.D.	Ann.
5/8" x 4"	15-5 PH V.M.	H.R.	A&P	316	H.R.	A&P	
	17-4 PH	H.R.	A&P	316 L	H.R.	A&P	
	302	H.R.	A&P	321	H.R.	A&P	
	304	H.R.	A&P	403	H.R.	A&P	
	304 L	H.R.	A&P	410	H.R.	A&P	
	303 S	H.R.	A&P	416	H.R.	A&P	
	303 S	C.D.	Ann.	416	C.D.	Ann.	
	416	H.R.	A&P	440 C	H.R.	A&P	
	416	C.D.	Ann.				
5/8" x 4-1/4"	17-4 PH	H.R.	A&P	3/4" x 1-1/2"	13-8 MO V.M.	H.R.	A&P
					15-5 PH V.M.	H.R.	A&P
					17-4 PH	H.R.	A&P
					302	H.R.	A&P
					304	H.R.	A&P
					302	C.D.	Ann.
					304	C.D.	Ann.
					304 L	H.R.	A&P
					304 L	C.D.	Ann.
					303 S	H.R.	A&P
			303 S	C.D.	Ann.		
5/8" x 4-1/2"	17-4 PH	H.R.	A&P	303 Sel Hi tens	C.F.	"B"	
	303 S	H.R.	A&P	316	H.R.	A&P	
				316 L	H.R.	A&P	
				321	H.R.	A&P	
				347	H.R.	A&P	
				403	H.R.	A&P	
				410	H.R.	A&P	
				416	H.R.	A&P	
				416	C.D.	Ann.	
				420	H.R.	A&P	
			440 C	H.R.	A&P		
5/8" x 5"	17-4 PH	H.R.	A&P	3/4" x 1-1/2"	13-8 MO V.M.	H.R.	A&P
	302	H.R.	A&P		15-5 PH V.M.	H.R.	A&P
	304	H.R.	A&P		17-4 PH	H.R.	A&P
	304 L	H.R.	A&P		302	H.R.	A&P
	303 S	H.R.	A&P		304	H.R.	A&P
	303 S	H.R.	A&P		302	C.D.	Ann.
	416	H.R.	A&P		304	C.D.	Ann.
					304 L	H.R.	A&P
					304 L	C.D.	Ann.
					303 S	H.R.	A&P
			303 S	C.D.	Ann.		
5/8" x 5-1/2"	17-4 PH	H.R.	A&P	303 Sel Hi tens	C.F.	"B"	
				316	H.R.	A&P	
				316 L	H.R.	A&P	
				321	H.R.	A&P	
				347	H.R.	A&P	
				403	H.R.	A&P	
				410	H.R.	A&P	
				416	H.R.	A&P	
				416	C.D.	Ann.	
				420	H.R.	A&P	
			440 C	H.R.	A&P		
5/8" x 6"	17-4 PH	H.R.	A&P	3/4" x 1-3/4"	15-5 PH V.M.	H.R.	A&P
	302	H.R.	A&P		17-4 PH	H.R.	A&P
	304	H.R.	A&P		302	H.R.	A&P
	304 L	H.R.	A&P		304	H.R.	A&P
	303 S	H.R.	A&P		304 L	H.R.	A&P
	303 S	C.D.	Ann.		303 S	H.R.	A&P
	416	H.R.	A&P		303 S	H.R.	A&P
					303 S	C.D.	Ann.
3/4" x 1"	13-8 MO V.M.	H.R.	A&P				
	15-5 PH V.M.	H.R.	A&P				
	17-4 PH	H.R.	A&P				
	302	H.R.	A&P				
	304	H.R.	A&P				
	302	C.D.	Ann.				
	304	C.D.	Ann.				
	304 L	H.R.	A&P				
	304 L	C.D.	Ann.				

**NOTE:** IT IS NOT ADVISABLE TO TRY TO FINISH ON SIZE FROM THE SIZE PURCHASED.  
 NOTE: BARS ARE NOT PERFECTLY ROUND, SQUARE, OR STRAIGHT.  
 PLEASE REFER TO THE VARIOUS CHARTS IN THIS BOOK.



**FLATS**  
STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
3/4" x 1-3/4"	321	H.R.	A&P	3/4" x 3"	303 S	H.R.	A&P	
	403	H.R.	A&P		303 S	C.D.	Ann.	
	410	H.R.	A&P		316	H.R.	A&P	
	416	H.R.	A&P		316 L	H.R.	A&P	
	416	C.D.	Ann.		321	H.R.	A&P	
	440 C	H.R.	A&P		347	H.R.	A&P	
3/4" x 2"	13-8 MO V.M.	H.R.	A&P		403	H.R.	A&P	
	15-5 PH V.M.	H.R.	A&P		410	H.R.	A&P	
	17-4 PH	H.R.	A&P		416	H.R.	A&P	
	302	H.R.	A&P		416	C.D.	Ann.	
	304	H.R.	A&P		440 C	H.R.	A&P	
	302	C.D.	Ann.		3/4" x 3-1/4"	17-4 PH	H.R.	A&P
	304	C.D.	Ann.			303 S	H.R.	A&P
	304 L	H.R.	A&P			3/4" x 3-1/2"	15-5 PH V.M.	H.R.
	304 L	C.D.	Ann.		17-4 PH		H.R.	A&P
	303 S	H.R.	A&P		302		H.R.	A&P
	303 S	C.D.	Ann.		304		H.R.	A&P
	316	H.R.	A&P		304 L		H.R.	A&P
	316 L	H.R.	A&P	303 S	H.R.		A&P	
	321	H.R.	A&P	3/4" x 4"	13-8 MO V.M.	H.R.	A&P	
	347	H.R.	A&P		15-5 PH V.M.	H.R.	A&P	
	403	H.R.	A&P		17-4 PH	H.R.	A&P	
	410	H.R.	A&P		302	H.R.	A&P	
	416	H.R.	A&P		304	H.R.	A&P	
	416	C.D.	Ann.		302	C.D.	Ann.	
	420	H.R.	A&P		304	C.D.	Ann.	
	440 C	H.R.	A&P		304 L	H.R.	A&P	
3/4" x 2-1/4"	17-4 PH	H.R.	A&P		304 L	C.D.	Ann.	
	302	H.R.	A&P		303 S	H.R.	A&P	
	304	H.R.	A&P		303 S	C.D.	Ann.	
	304 L	H.R.	A&P		316	H.R.	A&P	
	303 S	H.R.	A&P		316 L	H.R.	A&P	
	303 S	C.D.	Ann.		321	H.R.	A&P	
	3/4" x 2-1/2"	13-8 MO V.M.	H.R.		A&P	347	H.R.	A&P
15-5 PH V.M.		H.R.	A&P	403	H.R.	A&P		
17-4 PH		H.R.	A&P	410	H.R.	A&P		
302		H.R.	A&P	416	H.R.	A&P		
304		H.R.	A&P	416	C.D.	Ann.		
304 L		H.R.	A&P	440 C	H.R.	A&P		
303 S		H.R.	A&P	3/4" x 4-1/4"	15-5 PH V.M.	H.R.	A&P	
303 S		C.D.	Ann.		17-4 PH	H.R.	A&P	
316		H.R.	A&P		3/4" x 4-1/2"	17-4 PH	H.R.	A&P
316 L		H.R.	A&P	302		H.R.	A&P	
321		H.R.	A&P	304		H.R.	A&P	
403		H.R.	A&P	304 L		H.R.	A&P	
410		H.R.	A&P	303 S		H.R.	A&P	
416		H.R.	A&P	3/4" x 5"	15-5 PH V.M.	H.R.	A&P	
416	C.D.	Ann.	17-4 PH		H.R.	A&P		
440 C	H.R.	A&P	302		H.R.	A&P		
3/4" x 2-3/4"	17-4 PH	H.R.	A&P		304	H.R.	A&P	
	3/4" x 3"	13-8 MO V.M.	H.R.		A&P	304 L	H.R.	A&P
15-5 PH V.M.		H.R.	A&P		303 S	H.R.	A&P	
17-4 PH		H.R.	A&P		316	H.R.	A&P	
302		H.R.	A&P	316 L	H.R.	A&P		
304		H.R.	A&P	403	H.R.	A&P		
302		C.D.	Ann.	410	H.R.	A&P		
304		C.D.	Ann.	416	H.R.	A&P		
304 L		H.R.	A&P	3/4" x 5-1/2"	17-4 PH	H.R.	A&P	
304 L		C.D.	Ann.		3/4" x 6"	13-8 MO V.M.	H.R.	A&P

Finish: C.D. - Cold Drawn

C.F. - Cold Finish

H.R. - Hot Rolled

C.G. - Centerless Ground

Condition: Ann. - Annealed

A&amp;P - Annealed &amp; Pickled

H.T. - Heat treated (RC 26/32)

Sol trt - Solution Treated

ESR - Electroslag Re-melt

Sel - Selenium

"B" - Hi Tensile

S - Sulfur

V.M. - Vacuum Arc Re-melt

P.G. - Precision Ground

L - Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
3/4" x 6"	15-5 PH	H.R.	A&P	1" x 1-1/4"	316 L	H.R.	A&P	
	17-4 PH	H.R.	A&P		321	H.R.	A&P	
	302	H.R.	A&P		347	H.R.	A&P	
	304	H.R.	A&P		403	H.R.	A&P	
	304 L	H.R.	A&P		410	H.R.	A&P	
	303 S	H.R.	A&P		416	H.R.	A&P	
	316	H.R.	A&P		440 C	H.R.	A&P	
	316 L	H.R.	A&P		1" x 1-1/2"	13-8 MO V.M.	H.R.	A&P
	403	H.R.	A&P			15-5 PH V.M.	H.R.	A&P
	410	H.R.	A&P			17-4 PH	H.R.	A&P
	416	H.R.	A&P			302	H.R.	A&P
	440 C	H.R.	A&P			304	H.R.	A&P
						302	C.D.	Ann.
						304	C.D.	Ann.
			304 L	H.R.		A&P		
3/4" x 8"	17-4 PH	H.R.	A&P	304 L	C.D.	Ann.		
7/8" x 1"	17-4 PH	H.R.	A&P	303 S	H.R.	A&P		
	302	H.R.	A&P	303 S	C.D.	Ann.		
	304	H.R.	A&P	303 Sel Hi tens	C.F.	"B"		
	304 L	H.R.	A&P	316	H.R.	A&P		
	303 S	H.R.	A&P	316 L	H.R.	A&P		
7/8" x 1-1/4"	17-4 PH	H.R.	A&P	321	H.R.	A&P		
	302	H.R.	A&P	347	H.R.	A&P		
	304	H.R.	A&P	403	H.R.	A&P		
	304 L	H.R.	A&P	410	H.R.	A&P		
	303 S	H.R.	A&P	416	H.R.	A&P		
				420	H.R.	A&P		
				440 C	H.R.	A&P		
				1" x 1-3/4"	17-4 PH	H.R.	A&P	
					302	H.R.	A&P	
					304	H.R.	A&P	
			304 L		H.R.	A&P		
			303 S		H.R.	A&P		
			303 S		C.D.	Ann.		
			316		H.R.	A&P		
			316 L		H.R.	A&P		
			321		H.R.	A&P		
			416		H.R.	A&P		
7/8" x 1-1/2"	17-4 PH	H.R.	A&P	1" x 2"	13-8 MO V.M.	H.R.	A&P	
302	H.R.	A&P	15-5 PH V.M.		H.R.	A&P		
304	H.R.	A&P	17-4 PH		H.R.	A&P		
304 L	H.R.	A&P	302		H.R.	A&P		
303 S	H.R.	A&P	304		H.R.	A&P		
			302		C.D.	Ann.		
			304		C.D.	Ann.		
			304 L		H.R.	A&P		
			304 L		C.D.	Ann.		
			303 S		H.R.	A&P		
			303 S	C.D.	Ann.			
7/8" x 2"	17-4 PH	H.R.	A&P	303 Sel Hi tens	C.F.	"B"		
302	H.R.	A&P	316	H.R.	A&P			
304	H.R.	A&P	316 L	H.R.	A&P			
304 L	H.R.	A&P	321	H.R.	A&P			
303 S	H.R.	A&P	416	H.R.	A&P			
7/8" x 2-1/4"	17-4 PH	H.R.	A&P	1" x 2-1/4"	17-4 PH	H.R.	A&P	
	303 S	H.R.	A&P					
7/8" x 2-1/2"	17-4 PH	H.R.	A&P					
	303 S	H.R.	A&P					
7/8" x 2-3/4"	17-4 PH	H.R.	A&P					
7/8" x 3"	17-4 PH	H.R.	A&P					
303 S	H.R.	A&P						
7/8" x 3-1/2"	17-4 PH	H.R.	A&P					
7/8" x 4"	17-4 PH	H.R.	A&P					
303 S	H.R.	A&P						
7/8" x 5-3/4"	15-5 PH V.M.	H.R.	A&P					
1" x 1-1/4"	13-8 MO V.M.	H.R.	A&P					
	15-5 PH V.M.	H.R.	A&P					
	17-4 PH	H.R.	A&P					
	302	H.R.	A&P					
	304	H.R.	A&P					
	302	C.D.	Ann.					
	304	C.D.	Ann.					
	304 L	H.R.	A&P					
	304 L	C.D.	Ann.					
	303 S	H.R.	A&P					
	303 S	C.D.	Ann.					
	316	H.R.	A&P					

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**FLATS**  
STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1" x 2-1/4"	302	H.R.	A&P	1" x 4"	304 L	H.R.	A&P	
	304	H.R.	A&P		304 L	C.D.	Ann.	
	304 L	H.R.	A&P		303 S	H.R.	A&P	
	303 S	H.R.	A&P		303 S	C.D.	Ann.	
	303 S	C.D.	Ann.		316	H.R.	A&P	
1" x 2-1/2"	13-8 MO V.M.	H.R.	A&P		316 L	H.R.	A&P	
	15-5 PH V.M.	H.R.	A&P		321	H.R.	A&P	
	17-4 PH	H.R.	A&P		403	H.R.	A&P	
	302	H.R.	A&P		410	H.R.	A&P	
	304	H.R.	A&P		416	H.R.	A&P	
	302	C.D.	Ann.		420	H.R.	A&P	
	304	C.D.	Ann.		440 C	H.R.	A&P	
	304 L	H.R.	A&P		1" x 4-1/4"	17-4 PH	H.R.	A&P
	304 L	C.D.	Ann.		1" x 4-1/2"	17-4 PH	H.R.	A&P
	303 S	H.R.	A&P			302	H.R.	A&P
	303 S	C.D.	Ann.			304	H.R.	A&P
	316	H.R.	A&P			304 L	H.R.	A&P
	316 L	H.R.	A&P		303 S	H.R.	A&P	
	321	H.R.	A&P		1" x 5"	13-8 MO V.M.	H.R.	A&P
	347	H.R.	A&P			15-5 PH V.M.	H.R.	A&P
	403	H.R.	A&P	17-4 PH		H.R.	A&P	
	410	H.R.	A&P	302		H.R.	A&P	
416	H.R.	A&P	304	H.R.		A&P		
420	H.R.	A&P	304 L	H.R.		A&P		
440 C	H.R.	A&P	303 S	H.R.		A&P		
			321	H.R.		A&P		
1" x 3"	13-8 MO V.M.	H.R.	A&P	403	H.R.	A&P		
	15-5 PH V.M.	H.R.	A&P	410	H.R.	A&P		
	17-4 PH	H.R.	A&P	416	H.R.	A&P		
	302	H.R.	A&P	440 C	H.R.	A&P		
	304	H.R.	A&P	1" x 5-1/2"	17-4 PH	H.R.	A&P	
	304 L	H.R.	A&P	1" x 6"	13-8 MO V.M.	H.R.	A&P	
	303 S	H.R.	A&P		15-5 PH V.M.	H.R.	A&P	
	303 S	C.D.	Ann.		17-4 PH	H.R.	A&P	
	316	H.R.	A&P		302	H.R.	A&P	
	316 L	H.R.	A&P		304	H.R.	A&P	
	321	H.R.	A&P		304 L	H.R.	A&P	
	347	H.R.	A&P		303 S	H.R.	A&P	
	403	H.R.	A&P		316	H.R.	A&P	
	410	H.R.	A&P		316 L	H.R.	A&P	
416	H.R.	A&P	403		H.R.	A&P		
420	H.R.	A&P	410		H.R.	A&P		
440 C	H.R.	A&P	416	H.R.	A&P			
1" x 3-1/4"	17-4 PH	H.R.	A&P	440 C	H.R.	A&P		
	303 S	H.R.	A&P	1" x 7"	17-4 PH	H.R.	A&P	
1" x 3-1/2"	15-5 PH V.M.	H.R.	A&P	1" x 8"	17-4 PH	H.R.	A&P	
	17-4 PH	H.R.	A&P		302	H.R.	A&P	
	302	H.R.	A&P		304	H.R.	A&P	
	304	H.R.	A&P	304 L	H.R.	A&P		
	304 L	H.R.	A&P	1-1/8" x 1-1/4"	17-4 PH	H.R.	A&P	
	303 S	H.R.	A&P		303 S	H.R.	A&P	
416	H.R.	A&P	1" x 3-3/4"	17-4 PH	H.R.	A&P		
17-4 PH	H.R.	A&P		302	H.R.	A&P		
1" x 4"	13-8 MO V.M.	H.R.		A&P	304	H.R.	A&P	
	15-5 PH V.M.	H.R.		A&P	304 L	H.R.	A&P	
	17-4 PH	H.R.	A&P	1-1/8" x 1-1/2"	17-4 PH	H.R.	A&P	
	302	H.R.	A&P		302	H.R.	A&P	
	304	H.R.	A&P		304	H.R.	A&P	
302	C.D.	Ann.	304 L	H.R.	A&P			
304	C.D.	Ann.						

Finish: C.D. - Cold Drawn

C.F. - Cold Finish

H.R. - Hot Rolled

C.G. - Centerless Ground

Condition: Ann. - Annealed

A&amp;P - Annealed &amp; Pickled

H.T. - Heat treated (RC 26/32)

Sol trt - Solution Treated

ESR - Electroslag Re-melt

Sel - Selenium

"B" - Hi Tensile

S - Sulfur

V.M. - Vacuum Arc Re-melt

P.G. - Precision Ground

L - Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
1-1/8" x 1-1/2"	303 S	H.R.	A&P	1-1/4" x 2-1/4"	304	H.R.	A&P
1-1/8" x 1-3/4"	17-4 PH 303 S	H.R. H.R.	A&P A&P		304 L 303 S	H.R. H.R.	A&P A&P
1-1/8" x 2"	17-4 PH	H.R.	A&P	1-1/4" x 2-1/2"	13-8 MO V.M.	H.R.	A&P
	302	H.R.	A&P		15-5 PH V.M.	H.R.	A&P
	304	H.R.	A&P		17-4 PH	H.R.	A&P
	304 L	H.R.	A&P		302	H.R.	A&P
	303 S	H.R.	A&P		304	H.R.	A&P
1-1/8" x 2-1/2"	17-4 PH	H.R.	A&P		304 L	H.R.	A&P
	302	H.R.	A&P		303 S	H.R.	A&P
	304	H.R.	A&P		303 S	C.D.	Ann.
	304 L	H.R.	A&P		316	H.R.	A&P
	303 S	H.R.	A&P		316 L	H.R.	A&P
1-1/8" x 3"	17-4 PH	H.R.	A&P	321	H.R.	A&P	
	302	H.R.	A&P	403	H.R.	A&P	
	304	H.R.	A&P	410	H.R.	A&P	
	304 L	H.R.	A&P	416	H.R.	A&P	
	303 S	H.R.	A&P	440 C	H.R.	A&P	
1-1/8" x 4"	17-4 PH	H.R.	A&P	1-1/4" x 2-3/4"	17-4 PH	H.R.	A&P
	302	H.R.	A&P	1-1/4" x 3"	13-8 MO V.M.	H.R.	A&P
	304	H.R.	A&P		15-5 PH V.M.	H.R.	A&P
	304 L	H.R.	A&P		17-4 PH	H.R.	A&P
	303 S	H.R.	A&P		302	H.R.	A&P
1-1/4" x 1-1/2"	15-5 PH V.M.	H.R.	A&P		304	H.R.	A&P
	17-4 PH	H.R.	A&P		304 L	H.R.	A&P
	302	H.R.	A&P		303 S	H.R.	A&P
	304	H.R.	A&P		303 S	C.D.	Ann.
	304 L	H.R.	A&P		316	H.R.	A&P
	303 S	H.R.	A&P		316 L	H.R.	A&P
	303 S	H.R.	A&P	321	H.R.	A&P	
	316	C.D.	Ann.	403	H.R.	A&P	
	316 L	H.R.	A&P	410	H.R.	A&P	
	321	H.R.	A&P	416	H.R.	A&P	
	403	H.R.	A&P	440 C	H.R.	A&P	
	410	H.R.	A&P	1-1/4" x 3-1/4"	17-4 PH	H.R.	A&P
	416	H.R.	A&P	440 C	H.R.	A&P	
	440C	H.R.	A&P	1-1/4" x 3-1/2"	17-4 PH	H.R.	A&P
	1-1/4" x 1-3/4"	17-4 PH	H.R.		A&P	302	H.R.
303 S		H.R.	A&P		304	H.R.	A&P
303 S		C.D.	Ann.		304 L	H.R.	A&P
1-1/4" x 2"	13-8 MO V.M.	H.R.	A&P		303 S	H.R.	A&P
	15-5 PH V.M.	H.R.	A&P	316	H.R.	A&P	
	17-4 PH	H.R.	A&P	316 L	H.R.	A&P	
	302	H.R.	A&P	321	H.R.	A&P	
	304	H.R.	A&P	416	H.R.	A&P	
	304 L	H.R.	A&P	403	H.R.	A&P	
	303 S	H.R.	A&P	410	H.R.	A&P	
	303 S	C.D.	Ann.	416	H.R.	A&P	
	316	H.R.	A&P	440 C	H.R.	A&P	
	316 L	H.R.	A&P	1-1/4" x 4"	13-8 MO V.M.	H.R.	A&P
	321	H.R.	A&P		15-5 PH V.M.	H.R.	A&P
	403	H.R.	A&P		17-4 PH	H.R.	A&P
	410	H.R.	A&P		302	H.R.	A&P
	416	H.R.	A&P		304	H.R.	A&P
	440 C	H.R.	A&P	304 L	H.R.	A&P	
1-1/4" x 2-1/4"	17-4 PH	H.R.	A&P	303 S	H.R.	A&P	
	302	H.R.	A&P	303 S	C.D.	Ann.	
				316	H.R.	A&P	
				316 L	H.R.	A&P	
				321	H.R.	A&P	
				416	H.R.	A&P	
				403	H.R.	A&P	
				410	H.R.	A&P	
				416	H.R.	A&P	
				440 C	H.R.	A&P	
				1-1/4" x 4-1/4"	17-4 PH	H.R.	A&P
				1-1/4" x 4-1/2"	17-4 PH	H.R.	A&P
				303 S	H.R.	A&P	

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 PLEASE REFER TO THE VARIOUS CHARTS IN THIS BOOK.

**FLATS**  
STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.	
1-1/4" x 5"	15-5 PH V.M.	H.R.	A&P	1-1/2" x 2-3/4"	17-4 PH	H.R.	A&P	
	17-4 PH	H.R.	A&P		1-1/2" x 3"	13-8 MO V.M.	H.R.	A&P
	302	H.R.	A&P	15-5 PH V.M.		H.R.	A&P	
	304	H.R.	A&P	17-4 PH		H.R.	A&P	
	304 L	H.R.	A&P	302		H.R.	A&P	
	303 S	H.R.	A&P	304		H.R.	A&P	
				304 L		H.R.	A&P	
1-1/4" x 6"	13-8 MO V.M.	H.R.	A&P	303 S	H.R.	A&P		
	15-5 PH V.M.	H.R.	A&P	316	H.R.	A&P		
	17-4 PH	H.R.	A&P	316 L	H.R.	A&P		
	302	H.R.	A&P	321	H.R.	A&P		
	304	H.R.	A&P	347	H.R.	A&P		
	304 L	H.R.	A&P	403	H.R.	A&P		
	303 S	H.R.	A&P	410	H.R.	A&P		
	403	H.R.	A&P	416	H.R.	A&P		
	410	H.R.	A&P	420	H.R.	A&P		
	416	H.R.	A&P	440 C	H.R.	A&P		
1-3/8" x 2"	15-5 PH V.M.	H.R.	A&P	1-1/2" x 3-1/4"	17-4 PH	H.R.	A&P	
1-3/8" x 2-1/2"	15-5 PH V.M.	H.R.	A&P		303 S	H.R.	A&P	
1-1/2" x 1-3/4"	17-4 PH	H.R.	A&P	1-1/2" x 3-1/2"	17-4 PH	H.R.	A&P	
	302	H.R.	A&P		302	H.R.	A&P	
	304	H.R.	A&P		304	H.R.	A&P	
	304 L	H.R.	A&P		304 L	H.R.	A&P	
	303 S	H.R.	A&P		303 S	H.R.	A&P	
1-1/2" x 2"	13-8 MO V.M.	H.R.	A&P	1-1/2" x 3-3/4"	17-4 PH	H.R.	A&P	
	15-5 PH V.M.	H.R.	A&P		1-1/2" x 4"	13-8 MO V.M.	H.R.	A&P
	17-4 PH	H.R.	A&P	15-5 PH V.M.		H.R.	A&P	
	302	H.R.	A&P	17-4 PH		H.R.	A&P	
	304	H.R.	A&P	302		H.R.	A&P	
	304 L	H.R.	A&P	304		H.R.	A&P	
	303 S	H.R.	A&P	304 L		H.R.	A&P	
	303 Sel Hi tens	C.F.	"B"	303 S		H.R.	A&P	
	316	H.R.	A&P	316		H.R.	A&P	
	316 L	H.R.	A&P	316 L		H.R.	A&P	
	321	H.R.	A&P	321		H.R.	A&P	
	347	H.R.	A&P	347		H.R.	A&P	
	403	H.R.	A&P	403		H.R.	A&P	
	410	H.R.	A&P	410		H.R.	A&P	
	416	H.R.	A&P	416		H.R.	A&P	
	420	H.R.	A&P	440 C		H.R.	A&P	
	440 C	H.R.	A&P					
	1-1/2" x 2-1/4"	17-4 PH	H.R.	A&P		1-1/2" x 4-1/4"	17-4 PH	H.R.
302		H.R.	A&P	1-1/2" x 4-1/2"		17-4 PH	H.R.	A&P
304		H.R.	A&P		303 S	H.R.	A&P	
304 L		H.R.	A&P	1-1/2" x 5"	13-8 MO V.M.	H.R.	A&P	
303 S		H.R.	A&P		15-5 PH V.M.	H.R.	A&P	
			17-4 PH		H.R.	A&P		
			303 S		H.R.	A&P		
			416		H.R.	A&P		
1-1/2" x 2-1/2"	13-8 MO V.M.	H.R.	A&P	1-1/2" x 5-1/2"	17-4 PH	H.R.	A&P	
	15-5 PH V.M.	H.R.	A&P	1-1/2" x 6"	13-8 MO V.M.	H.R.	A&P	
	17-4 PH	H.R.	A&P		15-5 PH V.M.	H.R.	A&P	
	302	H.R.	A&P		17-4 PH	H.R.	A&P	
	304	H.R.	A&P		302	H.R.	A&P	
	304 L	H.R.	A&P		304	H.R.	A&P	
	303 S	H.R.	A&P		304 L	H.R.	A&P	
	316	H.R.	A&P		303 S	H.R.	A&P	
	316 L	H.R.	A&P		403	H.R.	A&P	
	321	H.R.	A&P		410	H.R.	A&P	
	403	H.R.	A&P					
	410	H.R.	A&P					
	416	H.R.	A&P					
	440 C	H.R.	A&P					

Finish: C.D. – Cold Drawn

C.F. – Cold Finish

H.R. – Hot Rolled

C.G. – Centerless Ground

Condition: Ann. – Annealed

A&amp;P – Annealed &amp; Pickled

H.T. – Heat treated (RC 26/32)

Sol trt – Solution Treated

ESR – Electroslag Re-melt

Sel – Selenium

"B" – Hi Tensile

S – Sulfur

V.M. – Vacuum Arc Re-melt

P.G. – Precision Ground

L – Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
1-1/2" x 6"	416	H.R.	A&P	2" x 2-1/4"	304	H.R.	A&P
	440 C	H.R.	A&P		304 L	H.R.	A&P
1-1/2" x 7"	17-4 PH	H.R.	A&P	2" x 2-1/2"	303 S	H.R.	A&P
1-1/2" x 8"	17-4 PH	H.R.	A&P		15-5 PH V.M.	H.R.	A&P
1-1/2" x 10"	17-4 PH	H.R.	A&P	17-4 PH	H.R.	A&P	
1-1/2" x 12"	17-4 PH	H.R.	A&P	302	H.R.	A&P	
				304	H.R.	A&P	
1-3/4" x 2"	15-5 PH V.M.	H.R.	A&P	304 L	H.R.	A&P	
				303 S	H.R.	A&P	
1-3/4" x 2-1/4"	17-4 PH	H.R.	A&P	304	H.R.	A&P	
				304 L	H.R.	A&P	
1-3/4" x 2-1/2"	15-5 PH V.M.	H.R.	A&P	303 S	H.R.	A&P	
				302	H.R.	A&P	
1-3/4" x 2-3/4"	17-4 PH	H.R.	A&P	316	H.R.	A&P	
				304	H.R.	A&P	
1-3/4" x 3"	13-8 MO V.M.	H.R.	A&P	304 L	H.R.	A&P	
				15-5 PH V.M.	H.R.	A&P	
1-3/4" x 3-1/4"	17-4 PH	H.R.	A&P	304	H.R.	A&P	
				304 L	H.R.	A&P	
1-3/4" x 3-1/2"	15-5 PH V.M.	H.R.	A&P	303 S	H.R.	A&P	
				17-4 PH	H.R.	A&P	
1-3/4" x 4"	13-8 MO V.M.	H.R.	A&P	416	H.R.	A&P	
				15-5 PH V.M.	H.R.	A&P	
1-3/4" x 4-1/2"	17-4 PH	H.R.	A&P	420	H.R.	A&P	
				302	H.R.	A&P	
1-3/4" x 5"	15-5 PH V.M.	H.R.	A&P	440 C	H.R.	A&P	
				17-4 PH	H.R.	A&P	
1-3/4" x 5-1/2"	17-4 PH	H.R.	A&P	304	H.R.	A&P	
				304 L	H.R.	A&P	
1-3/4" x 6"	15-5 PH V.M.	H.R.	A&P	303 S	H.R.	A&P	
				17-4 PH	H.R.	A&P	
2" x 2-1/4"	302	H.R.	A&P	2" x 3-1/4"	17-4 PH	H.R.	A&P
				2" x 3"	13-8 MO V.M.	H.R.	A&P
				15-5 PH V.M.	H.R.	A&P	
				17-4 PH	H.R.	A&P	
				302	C.D.	Ann	
				304	C.D.	Ann	
				304 L	H.R.	A&P	
				303 S	C.D.	Ann	
				316	H.R.	A&P	
				316 L	H.R.	A&P	
				321	H.R.	A&P	
				347	H.R.	A&P	
				403	H.R.	A&P	
				410	H.R.	A&P	
				416	H.R.	A&P	
				420	H.R.	A&P	
				440 C	H.R.	A&P	
				2" x 3-1/2"	13-8 MO V.M.	H.R.	A&P
				15-5 PH V.M.	H.R.	A&P	
				17-4 PH	H.R.	A&P	
				303 S	H.R.	A&P	
				416	H.R.	A&P	
				2" x 3-3/4"	17-4 PH	H.R.	A&P
				2" x 4"	13-8 MO V.M.	H.R.	A&P
				15-5 PH V.M.	H.R.	A&P	
				17-4 PH	H.R.	A&P	
				302	H.R.	A&P	
				304	H.R.	A&P	
				304 L	H.R.	A&P	
				303 S	H.R.	A&P	
				316	H.R.	A&P	
				316 L	H.R.	A&P	
				321	H.R.	A&P	
				347	H.R.	A&P	
				403	H.R.	A&P	
				410	H.R.	A&P	
				416	H.R.	A&P	
				440 C	H.R.	A&P	
				2" x 4-1/4"	17-4 PH	H.R.	A&P
				2" x 4-1/2"	17-4 PH	H.R.	A&P
				303 S	H.R.	A&P	
				2" x 5"	13-8 MO V.M.	H.R.	A&P

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**FLATS**  
STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
2" x 5"	15-5 PH V.M.	H.R.	A&P	2-1/2" x 6"	15-5 PH V.M.	H.R.	A&P
	17-4 PH	H.R.	A&P		17-4 PH	H.R.	A&P
	302	H.R.	A&P		302	H.R.	A&P
	304	H.R.	A&P		304	H.R.	A&P
	304 L	H.R.	A&P		304 L	H.R.	A&P
	303 S	H.R.	A&P		303 S	H.R.	A&P
416	H.R.	A&P	440 C	H.R.	A&P		
2" x 5-1/2"	17-4 PH	H.R.	A&P	2-1/2" x 8"	17-4 PH	H.R.	A&P
2" x 6"	13-8 MO V.M.	H.R.	A&P	3" x 3-1/2"	17-4 PH	H.R.	A&P
	15-5 PH V.M.	H.R.	A&P		303 S	H.R.	A&P
	17-4 PH	H.R.	A&P	3" x 4"	13-8 MO V.M.	H.R.	A&P
	302	H.R.	A&P		15-5 PH V.M.	H.R.	A&P
	304	H.R.	A&P		17-4 PH	H.R.	A&P
	304 L	H.R.	A&P		302	H.R.	A&P
	303 S	H.R.	A&P		304	H.R.	A&P
	416	H.R.	A&P		304 L	H.R.	A&P
	440 C	H.R.	A&P		303 S	H.R.	A&P
					316	H.R.	A&P
			316 L		H.R.	A&P	
			321		H.R.	A&P	
2" x 6-1/2"	17-4 PH	H.R.	A&P	403	H.R.	A&P	
2" x 7"	17-4 PH	H.R.	A&P	410	H.R.	A&P	
2" x 8"	17-4 PH	H.R.	A&P	416	H.R.	A&P	
2" x 9"	17-4 PH	H.R.	A&P	440 C	H.R.	A&P	
2" x 10"	17-4 PH	H.R.	A&P				
2" x 12"	17-4 PH	H.R.	A&P	3" x 4-1/2"	15-5 PH V.M.	H.R.	A&P
2-1/4" x 3"	15-5 PH V.M.	H.R.	A&P	17-4 PH	H.R.	A&P	
2-1/4" x 4"	15-5 PH V.M.	H.R.	A&P	3" x 5"	13-8 MO V.M.	H.R.	A&P
2-1/4" x 6"	15-5 PH V.M.	H.R.	A&P		15-5 PH V.M.	H.R.	A&P
					17-4 PH	H.R.	A&P
					302	H.R.	A&P
					304	H.R.	A&P
					304 L	H.R.	A&P
2-1/2" x 3"	15-5 PH V.M.	H.R.	A&P	303 S	H.R.	A&P	
	17-4 PH	H.R.	A&P	321	H.R.	A&P	
	302	H.R.	A&P	416	H.R.	A&P	
	304	H.R.	A&P	3" x 5-1/2"	17-4 PH	H.R.	A&P
	304 L	H.R.	A&P				
	303 S	H.R.	A&P				
2-1/2" x 3-1/4"	17-4 PH	H.R.	A&P	3" x 6"	13-8 MO V.M.	H.R.	A&P
2-1/2" x 3-1/2"	15-5 PH V.M.	H.R.	A&P	15-5 PH V.M.	H.R.	A&P	
	17-4 PH	H.R.	A&P	17-4 PH	H.R.	A&P	
	303 S	H.R.	A&P	302	H.R.	A&P	
2-1/2" x 3-3/4"	17-4 PH	H.R.	A&P	304	H.R.	A&P	
				304 L	H.R.	A&P	
				303 S	H.R.	A&P	
				316	H.R.	A&P	
				316 L	H.R.	A&P	
				321	H.R.	A&P	
2-1/2" x 4"	15-5 PH V.M.	H.R.	A&P	416	H.R.	A&P	
	17-4 PH	H.R.	A&P	440 C	H.R.	A&P	
	302	H.R.	A&P				
	304	H.R.	A&P	3" x 7"	17-4 PH	H.R.	A&P
	304 L	H.R.	A&P				
	303 S	H.R.	A&P				
440 C	H.R.	A&P					
2-1/2" x 4-1/2"	17-4 PH	H.R.	A&P	3" x 8"	13-8 MO V.M.	H.R.	A&P
2-1/2" x 5"	17-4 PH	H.R.	A&P	15-5 PH V.M.	H.R.	A&P	
	302	H.R.	A&P	17-4 PH	H.R.	A&P	
	304	H.R.	A&P	303 S	H.R.	A&P	
	304 L	H.R.	A&P	440 C	H.R.	A&P	
	303 S	H.R.	A&P				
440 C	H.R.	A&P	3-1/2" x 4"	15-5 PH V.M.	H.R.	A&P	
2-1/2" x 5-1/2"	17-4 PH	H.R.	A&P	17-4 PH	H.R.	A&P	
				302	H.R.	A&P	
				304	H.R.	A&P	

Finish: C.D. - Cold Drawn

C.F. - Cold Finish

H.R. - Hot Rolled

C.G. - Centerless Ground

Condition: Ann. - Annealed

A&amp;P - Annealed &amp; Pickled

H.T. - Heat treated (RC 26/32)

Sol trt - Solution Treated

ESR - Electroslag Re-melt

Sel - Selenium

"B" - Hi Tensile

S - Sulfur

V.M. - Vacuum Arc Re-melt

P.G. - Precision Ground

L - Low Carbon

## FLATS

STOCKED IN 12' R/L

SIZE	TYPE	FINISH	COND.	SIZE	TYPE	FINISH	COND.
3-1/2" x 4"	304 L	H.R.	A&P	4" x 6"	15-5 PH V.M.	H.R.	A&P
3-1/2" x 5"	17-4 PH	H.R.	A&P		17-4 PH	H.R.	A&P
3-1/2" x 6"	17-4 PH	H.R.	A&P		302	H.R.	A&P
	302	H.R.	A&P		304	H.R.	A&P
	304	H.R.	A&P		304 L	H.R.	A&P
3-1/2" x 8"	17-4 PH	H.R.	A&P	303 S	H.R.	A&P	
	17-4 PH	H.R.	A&P	4" x 8"	13-8 MO V.M.	H.R.	A&P
4" x 5"	13-8 MO VM	H.R.	A&P		15-5 PH V.M.	H.R.	A&P
	17-4 PH	H.R.	A&P		17-4 PH	H.R.	A&P
	302	H.R.	A&P		302	H.R.	A&P
	304	H.R.	A&P		304	H.R.	A&P
	304 L	H.R.	A&P	304 L	H.R.	A&P	
4" x 6"	13-8 MO V.M.	H.R.	A&P				



**NOTE:** IT IS NOT ADVISABLE TO TRY TO FINISH ON SIZE FROM THE SIZE PURCHASED.  
 NOTE: BARS ARE NOT PERFECTLY ROUND, SQUARE, OR STRAIGHT.  
 PLEASE REFER TO THE VARIOUS CHARTS IN THIS BOOK.



# STAINLESS WEIGHTS

## ROUNDS

Estimated Weight, Lbs.				Estimated Weight, Lbs.			
Size in Inches	Per Inch	Per Foot	12 Ft. Bar	Size in Inches	Per Inch	Per Foot	12 Ft. Bar
1/16"	.001	.010	.12	23/32"	.115	1.379	16.55
5/64"	.001	.016	.19	3/4"	.125	1.502	18.02
3/32"	.002	.023	.28	.755"	.127	1.522	18.26
7/64"	.003	.032	.38	.760"	.128	1.54	18.48
1/8"	.004	.042	.50	49/64"	.131	1.565	18.78
.130"	.004	.0451	.54	25/32"	.136	1.630	19.56
9/64"	.004	.053	.64	13/16"	.147	1.763	21.16
5/32"	.005	.065	.78	.8175"	.149	1.784	21.42
11/64"	.007	.079	.95	27/32"	.158	1.901	22.81
3/16"	.008	.094	1.13	7/8"	.170	2.044	24.53
.1925"	.008	.0989	1.186	.880"	.172	2.067	24.81
.1975"	.009	.104	1.248	.885"	.174	2.091	25.09
13/64"	.009	.110	1.32	57/64"	.177	2.118	25.42
7/32"	.011	.128	1.54	29/32"	.183	2.193	26.32
15/64"	.012	.147	1.76	15/16"	.192	2.347	28.16
1/4"	.014	.167	2.00	.9425"	.198	2.372	28.46
.255"	.014	.1736	2.083	31/32"	.209	2.506	30.07
.260"	.015	.1805	2.166				
17/64"	.016	.188	2.256	1"	.22	2.670	32.04
9/32"	.018	.211	2.53	1.005"	.22	2.696	32.38
19/64"	.019	.235	2.82	1.010"	.23	2.723	32.67
5/16"	.022	.261	3.13	1/64"	.23	2.750	33.00
.3175"	.022	.269	3.228	1.020"	.23	2.778	33.34
.3225"	.023	.277	3.32	1/16"	.25	3.014	36.17
21/64"	.024	.287	3.44	3/32"	.27	3.194	38.33
11/32"	.026	.316	3.79	1/8"	.28	3.379	40.55
23/64"	.029	.345	4.14	1.135"	.29	3.440	41.28
3/8"	.031	.376	4.51	9/64"	.29	3.470	41.64
.380"	.032	.3855	4.62	1.145"	.29	3.500	42.00
.385"	.033	.395	4.74	5/32"	.30	3.570	42.84
25/64"	.034	.407	4.88	3/16"	.31	3.766	45.19
13/32"	.037	.441	5.29	1/4"	.35	4.173	50.08
27/64"	.039	.475	5.70	1.260"	.35	4.240	50.88
7/16"	.043	.511	6.13	17/64"	.36	4.276	51.31
.4425"	.044	.5225	6.27	1.275"	.36	4.340	52.08
.4475"	.045	.535	6.42	9/32"	.37	4.384	52.60
29/64"	.046	.548	6.576	5/16"	.38	4.600	55.20
15/32"	.049	.587	7.04	3/8"	.42	5.049	60.59
31/64"	.052	.626	7.51	1.385"	.43	5.122	61.46
1/2"	.056	.668	8.02	13/32"	.44	5.279	63.35
.505"	.057	.680	8.16	7/16"	.46	5.518	66.22
.510"	.058	.694	8.33	1/2"	.50	6.008	72.10
33/64"	.059	.710	8.52	1.510"	.507	6.088	73.050
17/32"	.063	.754	9.05	1.515"	.505	6.057	72.684
9/16"	.070	.845	10.14	17/32"	.52	6.261	75.13
.5675"	.072	.860	10.32	9/16"	.54	6.520	78.24
.5725"	.073	.875	10.50	5/8"	.59	7.051	84.61
.5775"	.074	.891	10.69	11/16"	.64	7.604	91.25
37/64"	.074	.892	10.70	3/4"	.68	8.178	98.14
19/32"	.078	.941	11.29	1.770"	.70	8.365	100.38
5/8"	.087	1.043	12.52	13/16"	.73	8.773	105.30
.630"	.088	1.060	12.72	7/8"	.78	9.388	112.70
.635"	.090	1.076	12.91	15/16"	.84	10.020	120.20
.640"	.091	1.093	13.12				
41/64"	.092	1.096	13.15	2"	.89	10.680	128.20
21/32"	.096	1.150	13.80	2.020"	.91	10.896	130.75
11/16"	.105	1.262	15.14	1/16"	.95	11.360	136.30
.6925"	.107	1.280	15.37	1/8"	1.01	12.06	144.7

# STAINLESS WEIGHTS

## ROUNDS

Estimated Weight, Lbs.				Estimated Weight, Lbs.			
Size in Inches	Per Inch	Per Foot	12 Ft. Bar	Size in Inches	Per Inch	Per Foot	12 Ft. Bar
2"				5"			
3/16"	1.07	12.78	153.4	5/8"	7.04	84.48	1013.8
1/4"	1.13	13.52	162.2	3/4"	7.36	88.29	1059.0
2.270"	1.15	13.76	165.12	15/16"	7.84	94.14	1130.0
5/16"	1.19	14.28	171.4	6"	8.01	96.12	1153.5
3/8"	1.26	15.06	180.7	1/8"	8.35	100.2	1202.4
7/16"	1.33	15.87	190.4	1/4"	8.71	104.3	1252.0
1/2"	1.39	16.69	200.3	1/2"	9.40	112.8	1353.8
2.520"	1.41	16.957	203.48	3/4"	10.14	121.7	1460.0
9/16"	1.46	17.53	210.4	7"	10.90	130.8	1570.8
5/8"	1.54	18.40	220.8	1/4"	11.70	140.4	1684.1
11/16"	1.61	19.29	231.5	1/2"	12.52	150.2	1802.2
3/4"	1.69	20.20	242.4	3/4"	13.36	160.4	1924.4
2.770"	1.71	20.489	245.87	8"	14.24	170.9	2050.6
13/16"	1.76	21.12	253.4	1/4"	15.14	181.7	2180.7
7/8"	1.84	22.07	264.8	1/2"	16.08	192.9	2315.0
15/16"	1.92	23.04	276.5	3/4"	17.04	204.5	2453.1
3"	2.01	24.03	288.4	9"	18.02	216.3	2595.2
3.020"	2.03	24.354	292.25	1/4"	19.04	228.5	2741.4
1/16"	2.09	25.05	300.6	1/2"	20.08	241.0	2891.6
1/8"	2.18	26.08	312.9	3/4"	21.15	253.8	3045.8
3/16"	2.27	27.13	325.6	10"	22.25	267.0	3204.0
1/4"	2.36	28.21	338.5	1/2"	24.53	294.4	3532.4
3.270"	2.38	28.551	342.61	11"	26.92	324.0	3876.8
5/16"	2.45	29.30	351.6	1/2"	29.43	354.0	4237.3
3/8"	2.54	30.42	365.0	12"	32.04	384.48	4613.76
7/16"	2.64	31.55	378.6	1/2"	34.77	417.2	5006.2
1/2"	2.73	32.71	392.5	13"	37.60	451.23	5414.76
3.520"	2.76	33.082	396.99	1/2"	40.55	487.0	5839.3
3.530"	2.77	33.273	399.25	14"	43.61	523.32	6279.84
5/8"	2.93	35.09	421.1	15"	50.06	601.0	7209.0
11/16"	3.03	36.31	435.7	16"	56.96	684.0	8202.2
3/4"	3.14	37.55	450.6	17"	64.42	773.0	9276.0
3.770"	3.16	37.948	455.39	18"	72.17	866.0	10,392.0
7/8"	3.35	40.10	481.2	19"	80.32	963.87	11,566.44
15/16"	3.45	41.40	496.8	20"	89.17	1070.0	12,840.00
4"	3.56	42.73	512.6	21"	98.25	1179.0	14,148.0
4.020"	3.60	43.148	517.78	22"	106.60	1279.0	15,348.0
4.030"	3.61	43.363	520.36	23"	116.30	1396.0	16,752.0
1/8"	3.79	45.43	545.2	24"	126.70	1520.0	18,240.0
1/4"	4.02	48.23	578.7				
3/8"	4.26	51.11	613.3				
7/16"	4.39	52.58	630.9				
1/2"	4.51	54.07	648.9				
4.530"	4.57	54.795	657.49				
5/8"	4.76	57.12	685.4				
3/4"	5.03	60.25	723.0				
7/8"	5.29	63.45	761.5				
15/16"	5.42	65.10	781.2				
5"	5.56	66.75	801.1				
1/8"	5.84	70.13	841.6				
1/4"	6.13	73.60	883.2				
3/8"	6.43	77.15	925.7				
7/16"	6.60	78.95	947.4				
1/2"	6.73	80.77	969.2				

# STAINLESS WEIGHTS



## HEXAGONS



Estimated Weight, Lbs.				Estimated Weight, Lbs.			
Size in Inches	Per Inch	Per Foot	12 Ft. Bar	Size in Inches	Per Inch	Per Foot	12 Ft. Bar
1/8"	.004	.046	.55	1"			
5/32"	.006	.072	.864	3/8"	.46	5.567	66.80
3/16"	.009	.104	1.25	7/16"	.51	6.085	73.02
7/32"	.012	.140	1.68	1/2"	.55	6.625	79.50
1/4"	.015	.184	2.21	9/16"	.60	7.190	86.28
9/32"	.019	.232	2.79	5/8"	.65	7.775	93.30
5/16"	.02	.288	3.46	11/16"	.70	8.385	100.60
11/32"	.03	.348	4.14	3/4"	.75	9.019	108.23
3/8"	.03	.414	4.97	13/16"	.81	9.673	116.1
13/32"	.04	.4857	5.828	1-7/8"	.86	10.35	124.2
7/16"	.05	.564	6.77	2"	.98	11.78	141.4
1/2"	.06	.736	8.83	1/8"	1.11	13.30	159.6
9/16"	.08	.932	11.18	3/16"	1.17	14.09	169.1
5/8"	.10	1.150	13.80	1/4"	1.24	14.91	178.9
11/16"	.12	1.392	16.70	3/8"	1.38	16.61	199.3
3/4"	.14	1.656	19.87	1/2"	1.53	18.40	220.8
13/16"	.16	1.944	23.33	5/8"	1.69	20.29	243.5
7/8"	.19	2.254	27.05	3/4"	1.86	22.27	267.2
15/16"	.22	2.588	31.06	7/8"	2.03	24.33	292.0
1"	.25	2.945	35.34	3"	2.21	26.50	318.0
1/16"	.28	3.324	39.89	1/2"	3.01	36.07	432.8
1/8"	.31	3.727	44.72	4"	3.93	47.12	565.4
3/16"	.35	4.152	49.82				
1/4"	.38	4.601	55.21				
5/16"	.42	5.072	60.86				



## SQUARES



Estimated Weight, Lbs.				Estimated Weight, Lbs.			
Size in Inches	Per Inch	Per Foot	12 Ft. Bar	Size in Inches	Per Inch	Per Foot	12 Ft. Bar
1/8"	.004	.053	.636	1"			
5/32"	.006	.083	.996	1/2"	.64	7.650	91.80
3/16"	.010	.120	1.436	5/8"	.75	8.980	107.74
1/4"	.017	.213	2.550	3/4"	.87	10.410	124.95
5/16"	.03	.332	3.981	7/8"	1.00	11.950	143.44
3/8"	.04	.478	5.736	2"	1.13	13.600	163.20
7/16"	.05	.651	7.810	1/8"	1.28	15.353	184.24
1/2"	.07	.850	10.200	1/4"	1.43	17.21	206.6
9/16"	.09	1.076	12.910	3/8"	1.60	19.18	230.2
5/8"	.11	1.328	15.940	1/2"	1.77	21.25	255.0
11/16"	.12	1.607	19.29	3/4"	2.14	25.72	308.6
3/4"	.16	1.913	22.960	3"	2.55	30.6	367.2
13/16"	.19	2.245	26.940	1/2"	3.47	41.65	500.0
7/8"	.22	2.603	31.240	4"	4.53	54.4	652.8
15/16"	.25	2.988	35.856	1/2"	5.74	68.85	826.2
1"	.28	3.400	40.80	5"	7.08	85.0	1020.0
1/16"	.32	3.840	46.06	1/2"	8.58	102.9	1234.0
1/8"	.36	4.303	51.64	6"	10.2	122.4	1469.0
3/16"	.40	4.795	57.54				
1/4"	.44	5.313	63.76				
5/16"	.49	5.857	70.29				
3/8"	.54	6.428	77.14				

# STAINLESS WEIGHTS

## FLATS

Estimated Weight, Lbs.				Estimated Weight, Lbs.			
Size in Inches	Per Inch	Per Foot	12 Ft. Bar	Size in Inches	Per Inch	Per Foot	12 Ft. Bar
1/8" x 3/16"	.007	.072	.864	1/4" x 9/16"	.040	.480	5.76
1/4"	.009	.106	1.27	5/8"	.040	.531	6.37
5/16"	.011	.133	1.60	3/4"	.053	.628	7.66
3/8"	.013	.159	1.91	7/8"	.062	.744	8.93
7/16"	.016	.186	2.23	1"	.071	.850	10.20
1/2"	.018	.213	2.56	1-1/8"	.080	.956	11.47
5/8"	.022	.266	3.19	1-1/4"	.089	1.063	12.76
3/4"	.027	.319	3.83	1-3/8"	.097	1.160	13.90
7/8"	.031	.372	4.46	1-1/2"	.106	1.275	15.30
1"	.035	.425	5.10	1-5/8"	.115	1.380	16.56
1-1/8"	.040	.480	5.76	1-3/4"	.124	1.488	17.86
1-1/4"	.044	.531	6.37	2"	.142	1.700	20.40
1-3/8"	.049	.588	7.06	2-1/4"	.159	1.913	22.96
1-1/2"	.053	.638	7.66	2-1/2"	.177	2.125	25.50
1-5/8"	.058	.696	8.35	2-3/4"	.195	2.340	28.08
1-3/4"	.062	.744	8.93	3"	.213	2.550	30.60
2"	.071	.850	10.20	3-1/4"	.230	2.760	33.12
2-1/4"	.080	.956	11.47	3-1/2"	.248	2.975	35.70
2-1/2"	.089	1.063	12.76	4"	.283	3.400	40.80
2-3/4"	.097	1.160	13.90	4-1/2"	.319	3.825	45.90
3"	.106	1.275	15.30	5"	.354	4.250	51.00
3-1/4"	.115	1.380	16.56	5-1/2"	.390	4.680	56.20
3-1/2"	.124	1.488	17.86	6"	.425	5.100	61.20
4"	.142	1.700	20.40	7"	.496	5.950	71.40
4-1/2"	.159	1.913	22.96	8"	.567	6.800	81.60
5"	.177	2.125	25.50	5/16" x 3/8"	.033	.398	4.78
6"	.213	2.550	30.60	7/16"	.039	.460	5.52
8"	.283	3.400	40.80	1/2"	.044	.531	6.37
3/16" x 1/4"	.013	.160	1.92	5/8"	.055	.664	7.97
5/16"	.017	.199	2.39	3/4"	.066	.797	9.56
3/8"	.020	.239	2.87	7/8"	.078	.930	11.16
7/16"	.023	.279	3.35	1"	.089	1.063	12.76
1/2"	.027	.319	3.83	1-1/8"	.099	1.200	14.40
5/8"	.033	.398	4.78	1-1/4"	.111	1.328	15.94
3/4"	.040	.478	5.74	1-1/2"	.133	1.594	19.13
7/8"	.047	.558	6.70	1-3/4"	.155	1.859	22.31
1"	.053	.638	7.66	2"	.177	2.125	25.50
1-1/8"	.060	.717	8.60	2-1/4"	.199	2.390	28.65
1-1/4"	.066	.797	9.56	2-1/2"	.221	2.656	31.86
1-3/8"	.073	.877	10.52	2-3/4"	.244	2.930	35.16
1-1/2"	.080	.956	11.47	3"	.266	3.188	38.26
1-3/4"	.093	1.116	13.39	3-1/2"	.310	3.719	44.63
2"	.106	1.275	15.30	4"	.354	4.250	51.00
2-1/4"	.120	1.440	17.28	4-1/2"	.398	4.776	57.31
2-1/2"	.133	1.594	19.13	5"	.443	5.313	63.76
2-3/4"	.146	1.750	21.00	6"	.531	6.375	76.50
3"	.159	1.913	22.96	8"	.708	8.500	102.00
3-1/2"	.186	2.231	26.77	3/8" x 7/16"	.046	.576	6.91
4"	.213	2.550	30.60	1/2"	.053	.638	7.66
4-1/2"	.239	2.870	34.40	9/16"	.060	.720	8.64
5"	.266	3.188	38.26	5/8"	.066	.797	9.56
6"	.319	3.825	45.90	3/4"	.080	.956	11.47
8"	.425	5.100	61.20	7/8"	.093	1.116	13.39
1/4" x 5/16"	.022	.266	3.19	1"	.106	1.275	15.30
3/8"	.027	.319	3.83	1-1/8"	.120	1.430	17.16
7/16"	.031	.372	4.46	1-1/4"	.133	1.594	19.13
1/2"	.035	.425	5.10	1-3/8"	.146	1.750	21.00

# STAINLESS WEIGHTS

## FLATS-Continued

Estimated Weight, Lbs.				Estimated Weight, Lbs.			
Size in Inches	Per Inch	Per Foot	12 Ft. Bar	Size in Inches	Per Inch	Per Foot	12 Ft. Bar
3/8" x 1-1/2"	.159	1.913	22.96	9/16" x 3/4"	.120	1.440	17.28
1-3/4"	.186	2.231	26.77	1"	.159	1.910	22.90
2"	.213	2.550	30.60	1-1/4"	.199	2.390	28.70
2-1/4"	.239	2.869	34.43	1-1/2"	.239	2.870	34.44
2-1/2"	.266	3.188	38.26	2"	.319	3.830	45.96
2-3/4"	.292	3.500	42.00				
3"	.319	3.825	45.90	5/8" x 3/4"	.133	1.594	19.13
3-1/4"	.345	4.140	49.68	7/8"	.155	1.859	22.31
3-1/2"	.372	4.463	53.56	1"	.177	2.125	25.50
4"	.425	5.100	61.20	1-1/8"	.199	2.390	28.60
4-1/2"	.478	5.738	68.86	1-1/4"	.221	2.656	31.87
5"	.531	6.375	76.50	1-3/8"	.244	2.930	35.16
5-1/2"	.584	7.010	84.10	1-1/2"	.266	3.188	38.26
6"	.637	7.650	91.80	1-5/8"	.288	3.454	41.45
7"	.744	8.928	107.13	1-3/4"	.310	3.719	44.63
8"	.850	10.200	122.40	2"	.354	4.250	51.00
				2-1/4"	.398	4.781	57.37
7/16" x 1/2"	.062	.744	8.93	2-1/2"	.438	5.313	63.76
5/8"	.078	.929	11.15	2-3/4"	.487	5.840	70.00
3/4"	.093	1.116	13.39	3"	.531	6.375	76.50
7/8"	.109	1.344	16.13	3-1/4"	.576	6.906	82.87
1"	.124	1.488	17.86	3-1/2"	.620	7.438	89.26
1-1/4"	.155	1.859	22.31	4"	.708	8.500	102.00
1-1/2"	.186	2.231	26.77	4-1/4"	.752	9.031	108.28
1-3/4"	.217	2.600	31.20	4-1/2"	.797	9.560	114.70
2"	.248	2.975	35.70	5"	.885	10.630	127.60
2-1/2"	.310	3.720	44.60	5-1/2"	.974	11.690	140.30
3"	.372	4.460	53.50	6"	1.060	12.750	153.00
4"	.496	5.950	71.40	7"	1.240	14.880	178.56
				8"	1.420	17.000	204.00
1/2" x 9/16"	.080	.960	11.52	3/4" x 7/8"	.186	2.230	26.77
5/8"	.089	1.063	12.76	1"	.213	2.550	30.60
3/4"	.106	1.275	15.30	1-1/8"	.239	2.880	34.56
7/8"	.124	1.488	17.86	1-1/4"	.266	3.188	38.26
1"	.142	1.700	20.40	1-3/8"	.292	3.500	42.00
1-1/8"	.159	1.920	23.00	1-1/2"	.319	3.825	45.90
1-1/4"	.177	2.125	25.50	1-5/8"	.345	4.140	49.68
1-3/8"	.195	2.340	28.00	1-3/4"	.372	4.463	53.56
1-1/2"	.213	2.550	30.60	2"	.425	5.100	61.20
1-5/8"	.230	2.760	33.12	2-1/4"	.478	5.738	68.86
1-3/4"	.248	2.975	35.70	2-1/2"	.531	6.375	76.60
2"	.283	3.400	40.80	2-3/4"	.584	7.000	84.00
2-1/4"	.319	3.825	45.90	3"	.637	7.650	91.80
2-1/2"	.354	4.250	51.00	3-1/4"	.691	8.290	99.48
2-3/4"	.390	4.675	56.10	3-1/2"	.744	8.925	107.00
3"	.425	5.100	61.20	4"	.850	10.200	122.40
3-1/4"	.460	5.524	66.24	4-1/4"	.903	10.840	130.05
3-1/2"	.496	5.950	71.40	4-1/2"	.956	11.470	137.60
4"	.567	6.800	81.60	5"	1.060	12.750	153.00
4-1/4"	.602	7.225	86.70	5-1/2"	1.170	14.040	168.50
4-1/2"	.637	7.650	91.80	6"	1.280	15.300	186.30
5"	.708	8.500	102.00	6-1/2"	1.380	16.560	198.72
5-1/2"	.779	9.350	112.20	7"	1.490	17.880	214.56
6"	.850	10.200	122.40	8"	1.700	20.400	244.80
6-1/2"	.921	11.052	132.62				
7"	.992	11.904	142.84	7/8" x 1"	.248	2.975	35.70
8"	1.130	13.600	163.20	1-1/8"	.279	3.350	40.20
				1-1/4"	.310	3.719	44.63
9/16" x 5/8"	.100	1.200	14.40				

# STAINLESS WEIGHTS

## FLATS-Continued

Estimated Weight, Lbs.				Estimated Weight, Lbs.			
Size in Inches	Per Inch	Per Foot	12 Ft. Bar	Size in Inches	Per Inch	Per Foot	12 Ft. Bar
7/8" x 1-3/8"	.341	4.090	49.00	1-1/4"x 4"	1.420	17.000	204.00
1-1/2"	.372	4.463	53.56	4-1/4"	1.510	18.062	216.75
1-3/4"	.434	5.206	62.47	4-1/2"	1.590	19.126	229.51
2"	.496	5.950	71.40	5"	1.770	21.250	255.00
2-1/4"	.558	6.696	80.35	6"	2.130	25.500	306.00
2-1/2"	.620	7.438	89.26	1-3/8"x 1-1/2"	.584	7.010	84.12
2-3/4"	.682	8.180	98.16	2"	.779	9.348	112.18
3"	.744	8.925	107.10	2-1/2"	.974	11.690	140.28
3-1/2"	.868	10.410	124.90	3"	1.170	14.040	168.48
4"	.992	11.900	142.80	1-1/2"x 1-3/4"	.744	8.92	107.10
4-1/2"	1.120	13.440	161.28	2"	.850	10.20	122.40
5"	1.240	14.880	178.50	2-1/4"	.956	11.48	137.80
5-3/4"	1.426	17.110	205.32	2-1/2"	1.060	12.75	153.00
1" x 1-1/8"	.319	3.828	45.93	2-3/4"	1.170	14.04	168.48
1-1/4"	.354	4.250	51.00	3"	1.280	15.30	183.60
1-3/8"	.390	4.680	56.16	3-1/4"	1.380	17.50	198.90
1-1/2"	.425	5.100	61.20	3-1/2"	1.490	17.85	214.20
1-5/8"	.460	5.523	66.27	3-3/4"	1.590	19.13	229.51
1-3/4"	.496	5.950	71.40	4"	1.700	20.40	244.80
2"	.567	6.800	81.60	4-1/4"	1.810	21.68	260.12
2-1/4"	.637	7.650	92.33	4-1/2"	1.910	22.92	275.04
2-1/2"	.708	8.500	102.00	5"	2.130	25.50	306.00
2-3/4"	.779	9.350	112.20	5-1/2"	2.340	28.08	336.96
3"	.850	10.200	122.40	6"	2.550	30.60	367.20
3-1/4"	.921	11.050	132.60	7"	2.980	35.70	428.40
3-1/2"	.992	11.900	142.80	8"	3.400	40.80	489.60
3-3/4"	1.060	12.750	153.00	10"	4.250	51.00	612.00
4"	1.130	13.600	163.20	12 "	5.100	61.20	734.40
4-1/4"	1.200	14.450	173.40	1-3/4"x 2"	.992	11.90	142.80
4-1/2"	1.280	15.300	183.60	2-1/4"	1.120	13.44	161.28
5"	1.420	17.000	204.00	2-1/2"	1.240	14.88	178.60
5-1/2"	1.560	18.720	224.64	2-3/4"	1.360	16.32	195.80
6"	1.700	20.400	244.80	3"	1.490	17.85	214.20
6-1/2"	1.840	22.080	264.96	3-1/4"	1.610	19.34	232.06
7"	1.980	23.800	285.60	3-1/2"	1.740	20.88	250.60
8"	2.270	27.200	326.40	4"	1.980	23.80	285.60
1-1/8"x 1-1/4"	.399	4.780	57.38	4-1/2"	2.230	26.78	321.31
1-3/8"	.438	5.260	63.12	5"	2.480	29.76	357.20
1-1/2"	.478	5.740	68.85	5-1/2"	2.730	32.73	392.70
1-3/4"	.558	6.694	80.33	6"	2.980	35.70	428.40
2"	.638	7.650	91.80	2" x 2-1/4"	1.280	15.36	184.30
2-1/4"	.717	8.606	103.28	2-1/2"	1.420	17.00	204.00
2-1/2"	.797	9.560	114.75	2-3/4"	1.560	18.72	224.60
3"	.956	11.470	137.66	3"	1.700	20.40	244.80
4"	1.270	15.280	183.36	3-1/4"	1.840	22.10	265.20
1-1/4"x 1-3/8"	.487	5.840	70.13	3-1/2"	1.980	23.80	285.60
1-1/2"	.531	6.375	76.50	3-3/4"	2.130	25.50	306.00
1-5/8"	.576	6.900	82.80	4"	2.270	27.20	326.00
1-3/4"	.620	7.438	89.26	4-1/4"	2.410	28.90	346.80
2"	.708	8.500	102.00	4-1/2"	2.550	30.60	367.00
2-1/4"	.797	9.563	114.80	5"	2.830	34.00	408.00
2-1/2"	.885	10.630	127.60	5-1/2"	3.120	37.44	449.28
2-3/4"	.974	11.690	140.00	6"	3.400	40.80	489.60
3"	1.060	12.750	153.00	6-1/2"	3.680	44.20	530.40
3-1/4"	1.150	13.800	165.60	7"	3.970	47.60	571.20
3-1/2"	1.240	14.880	178.60				

# STAINLESS WEIGHTS

## FLATS-Continued

Estimated Weight, Lbs.				Estimated Weight, Lbs.				
Size in Inches	Per Inch	Per Foot	12 Ft. Bar	Size in Inches	Per Inch	Per Foot	12 Ft. Bar	
2" x 8"	4.530	54.40	652.80	2-1/2" x 8"	5.67	68.00	816.00	
	5.10	61.20	734.40					
	5.67	68.00	816.00					
	6.80	81.60	979.20					
2-1/4" x 2-1/2"	1.59	19.13	229.50	3" x 3-1/2"	2.98	35.76	429.12	
	1.91	22.95	275.40		4"	3.40	40.80	489.60
	2.55	30.60	367.20		4-1/2"	3.83	45.90	551.00
	2.87	34.43	413.10		5"	4.25	51.00	612.00
	3.19	38.25	459.00		5-1/2"	4.68	56.10	673.20
	3.83	45.90	551.00		6"	5.10	61.20	734.40
2-1/2" x 3"	2.13	25.50	306.00	7"	5.95	71.40	856.80	
	2.30	27.63	331.50	8"	6.80	81.60	979.20	
	2.48	29.75	357.00	3-1/2" x 4"	3.97	47.60	571.00	
	2.66	31.88	382.51		5"	4.96	59.50	714.00
	2.83	34.00	408.00		6"	5.95	71.40	857.00
	3.19	38.25	459.00	8"	7.93	95.20	1142.40	
	3.54	42.50	510.00	4" x 5"	5.67	68.04	816.48	
	3.90	46.75	561.00		6"	6.80	81.60	979.20
	4.25	51.00	612.00		8"	9.07	108.84	1306.08



# STAINLESS

## COLD DRAWN OR CENTERLESS GROUND BARS ROUNDS

Size, Inches	Tolerance Plus or Minus Inch	Out-of-Round
1/16" to 9/32"	.001	.001
5/16" to 11/32"	.0015	.0015
3/8" to 15/32"	.0015	.0015
1/2" to 19/32"	.002	.002
5/8" to 31/32"	.002	.002
1" to 1-15/32"	.0025	.0025
1-1/2" to 2-3/4"	.003	.003
2-13/16" to 3"	.003	.003
3-1/8" to 4"	.003	.003

## HOT ROLLED AND ROUGH TURNED ROUNDS or HOT ROLLED SQUARES

Specified Size, in	Over	Under	Out-of-Round or Out-of-Square
Over 5/16" to 7/16"	0.006	0.006	0.009
Over 7/16" to 5/8"	0.007	0.007	0.010
Over 5/8" to 7/8"	0.008	0.008	0.012
Over 7/8" to 1"	0.009	0.009	0.013
Over 1" to 1-1/8"	0.010	0.010	0.015
Over 1-1/8" to 1-1/4"	0.011	0.011	0.016
Over 1-1/4" to 1-3/8"	0.012	0.012	0.018
Over 1-3/8" to 1-1/2"	0.014	0.014	0.021
Over 1-1/2" to 2"	1/64	1/64	0.023
Over 2" to 2-1/2"	1/32	0	0.023
Over 2-1/2" to 3-1/2"	3/64	0	0.035
Over 3-1/2" to 4-1/2"	1/16	0	0.046
Over 4-1/2" to 5-1/2"	5/64	0	0.058
Over 5-1/2" to 6-1/2"	1/8	0	0.070
Over 6-1/2" to 8"	5/32	0	0.085
Over 8" to 10" incl.	.250	0	.094
Over 10" to 12" incl.	.375	0	.094
Over 12" to 15" incl.	.375	0	.109
Over 15" to 20" incl.	.375	0	.125
Over 20"	.375	0	.125

## HOT ROLLED ROUND-CORNERED SQUARES

Nominal Sizes** Inclusive, In.	Corner Radii	Nominal Corner Radii, In. Max
2" to 2-1/2"	2-7/16"	5/16"
2-1/2" to 3"	2-7/8"	3/8"
3" to 3-1/2"	3-3/8"	7/16"
3-1/2" to 4"	3-7/8"	1/2"
4" to 4-1/2"	4-3/8"	5/8"
4-1/2" to 6"		3/4"

\*\*Sizes are the distances between opposite sides. Round-cornered squares are rolled to dimensions, not to weights per linear foot.

## COLD DRAWN BARS HEXAGONS AND SQUARES

Specified Size Inches	Size Tolerance, Inches	
	Square	or Hexagons
	Over	Under
.050" to 5/16" excl.	0	.002
5/16" to 1/2" excl.	0	.003
1/2" to 1" incl.	0	.004
Over 1" to 2" incl.	0	.006
Over 2" to 3" incl.	0	.008
Over 3" to 4" incl.	0	.010

PER: ASTM A 484 (BAR) & ASTM A 555 ( WIRE)  
 Note: PH Grades Double Size Tolerance

## COLD DRAWN BARS FLATS

Width, Inches	Width Tolerance, In., Over and Under	
	For Thicknesses 1/4 in., and Under	For Thicknesses Over 1/4 in.
	3/8" to 1" incl.	0.004
Over 1" to 2" incl.	0.006	0.003
Over 2" to 3" incl.	0.008	0.004
Over 3" to 4-1/2" incl.	0.010	0.005

Thickness, Inches	Thickness Tolerance, In., Over or Under	
	1/8" to 1" incl.	0.002
Over 1" to 2" incl.	0.003	
Over 2" to 3" incl.	0.004	
Over 3" to 4-1/2" incl.	0.005	

## HOT ROLLED BARS FLATS

Specified Widths In.	Thickness Tolerance, In., For Thickness Given Over and Under				Width Tolerances, In.	
	1/8" to 1/2" Incl.	Over 1/2" To 1" Incl.	Over 1" To 2" Incl.	Over 2" To 4" Incl.	Over	Under
	Up to 1" incl.	0.008	0.010	-	-	0.015
Over 1" to 2" incl.	0.012	0.015	0.031	-	0.031	0.031
Over 2" to 4" incl.	0.015	0.020	0.031	0.062 0.031	0.062	0.031
Over 4" to 6" incl.	0.015	0.020	0.031	0.062 0.031	0.093	0.062
Over 6" to 8" incl.	0.016	0.025	0.031	0.062 0.031	0.125	0.156
Over 8" to 10" incl.	0.021	0.031	0.031	0.062 0.031	0.156	0.156
Over 10" to 12" incl.	-	-	0.031	0.062 0.031	0.156	0.156

\* 17-4 PH 302-303-304-316-416-440-C "PRECISION GROUND" .....TOLERANCE +/- .0005"  
 COLD DRAWN HEX'S, SQ'S, IN PH GRADES ..... DOUBLE SIZE TOLERANCE  
 17-4 PH COLD FINISH FLATS SAME TOLERANCE AS HOT ROLLED FLATS  
 ALL TOLERANCES ON THIS PAGE ARE A CLOSE APPROXIMATION BASED ON VARIOUS MILL MFG. PRACTICES.



# STAINLESS

**PROCESSED BAR CUT FROM PLATE  
 (PLATE BAR)**

Thickness Tolerance, in.	Width Tolerance to 4" incl.	Width Tolerance over 4"
1/8" + .010 - .010	+ .094 - .031	+ .094 - .094
3/16" 1/4" + .050 5/16" - .010	+ .094 - .031	+ .094 - .094
3/8" 1/2" + .060 5/8" - .010	+ .094 - .031	+ .094 - .094
3/4" + .065 - .010	+ .094 - .031	+ .094 - .094
1" + .075 - .010	+ .094 + .031	+ .094 - .094

**NOTE:** THE TOLERANCES ARE DIFFERENT THAN TRUE-BAR SO REFER TO THE CHART ABOVE. THE BARS CUT FROM PLATE ARE FROM THE AISI BOOK AND TO SPEC: ASTM-A-484 TABLE 5. THIS IS STANDARD IN THE INDUSTRY FOR THIS PRODUCT.

ALL TOLERANCES ON THIS PAGE ARE A CLOSE APPROXIMATION BASED ON VARIOUS MILL MFG. PRACTICES.



## Recommended Stock Removal\*\* (Minimum Requirement Necessary To Qualify For Rejection)

**COLD DRAWN: ROUNDS — HEXAGONS — SQUARES**

UP TO & INCL. 5/16" ..... .003" PER SIDE EXCEPT 440-C\*  
 OVER 5/16" ..... 1% OF DIAMETER PER SIDE\*

**CENTERLESS GROUND:**

ALL GROUND BAR SHOULD BE "DEFECT FREE" WITHIN THE STANDARD SIZE TOLERANCES OF ANY MANUFACTURING DEFECTS. IE: SEAMS, LAPS, AND CRACKS.

STOCK REMOVAL IS RECOMMENDED TO BELOW THE STANDARD SIZE TOLERANCES TO REMOVE ANY HANDLING MARKS THAT MAY EXIST.

EXAMPLE:

1-1/2" RD TOL IS + OR - .003"

MATERIAL SHOULD NOT HAVE ANY DEFECT UNDER -.003"

**ROUGH TURNED:**

ALL "R.T." SIZES ARE PRODUCED ON THE PLUS SIDE.

MATERIAL SHOULD BE DEFECT FREE ON SIZE OF ANY MANUFACTURING DEFECTS.

IE: SEAMS, LAPS, AND CRACKS.

EXAMPLE:

5" RD HR-RT SHOULD BE DEFECT FREE AT 5"

### HR-A&P FLATS & SQUARES AND COLD DRAWN FLATS RECOMMENDED MACHINING ALLOWANCES (IN.)

(A) Specified Width	(B) Removal from Thickness Each Surface Specified Thickness							(C) Removal from Width-Each Surface
	1/8" to 1/2" incl.	over 1/2" to 1" incl.	over 1" to 2" incl.	over 2" to 3" incl.	over 3" to 4" incl.	over 4" to 6" incl.	over 6" to 8" incl.	
Up to 1" Incl.	.008	.010	--	--	--	--	--	.015
Over 1"-2" Incl.	.012	.015	.031	--	--	--	--	.031
Over 2"-3" Incl.	.015	.020	.031	.047	--	--	--	.047
Over 3"-4" Incl.	.015	.020	.031	.047	.062	--	--	.062
Over 4"-6" Incl.	.015	.020	.031	.047	.062	.093	--	.093
Over 6"-8" Incl.	.024	.031	.035	.062	.078	.093	.141	.141
Over 8"-10" Incl.	.024	.031	.035	.062	.078	.125	.156	.156
Over 10"-12" Incl.	--	--	--	.081	.101	--	--	.172

(A) SELECT THE "WIDTH" FIRST AND THEN READ ACROSS TO SPECIFIED THICKNESS:

(B) SELECT THE READING — THIS IS THE STOCK REMOVAL FOR THE THICKNESS **PER SIDE**:

(C) CONTINUE ACROSS ON SAME LINE FOR READING FOR WIDTH REMOVAL **PER SIDE**.

\*FOR 440-C, DOUBLE FIGURES SHOWN, EXCEPT CENTERLESS GROUND AND ROUGH TURN BARS

**NOTE:** Product ordered to surface conditions other than ground, turned, or polished should, **after removal of the standard machining allowance**, be free from seams, laps, tears, cracks, and other defects exposed to the machined surfaces.

**NOTE:** Inspection prior to altering material is advisable.

\*\* **NOTE:** IT IS NOT ADVISABLE TO TRY TO "FINISH" ON SIZE FROM THE SIZE PURCHASED.

**CHEMICAL ANALYSES – Maximum Unless Indicated**M – Magnetic  
NM – Non-magnetic

TYPE	CARBON	MAN-GANESE	SILICON	PHOS-PHORUS	SULFER	CHROME	MOLYB-DENUM	NICKEL	COPPER	OTHERS	
PH-13-8MO	.05	.10	.10	.01	.008	12.25/13.25	2./2.5	7.5/8.5		Al.90/1.35 N.01	M
15-5 PH	.07	1.0	1.0	.03	.015	14./15.5	.50	3.5/5.5	2.5/4.5	Cb 5xC/.45 Ta .05	M
17-4 PH	.07	1.0	1.0	.04	.03	15./17.5	.50	3./5.	3./5.	Cb 5xC/.45	M
17-7 PH	.09	1.0	1.0	.04	.03	16./18.		6.5/7.75		Al .75/1.5	M
<sup>3</sup> Custom 455	.03	.50	.50	.015	.015	11./12.5	.50	7.5/9.5	1.5/2.5	Cb .50 Ti .90/1.4 N .015	M
302	.12	2.0	1.0	.04	.03	17./19.	.75.	8./10.	.50	N .10	NM
303 S	.12	2.0	1.0	.15	.15/.35	17./19.	.60	8./10.	.50	P+S .18 min	NM
303 SE	.12	2.0	.70	.12/.17	.04	17./19.	.60	8./10.		Se .15/.30	NM
304	.08	2.0	1.0	.04	.03	18./20.	1.00	8./10.5	1.00	N .10	NM
304 L	.03	2.0	1.0	.04	.03	18./20.	1.00	8./11.	1.00	N .10	NM
309	.08	2.0	1.0	.04	.03	22./24.	.75	12./15.	.75		NM
310	.08	2.0	.3/.8	.04	.03	24./26.	.75	19./22.	.75		NM
316	.08	1.25/2.	1.0	.04	.03	16./18.	2./3.	10./14.	.50	N .10	NM
316 L	.03	1.25/2.	1.0	.04	.03	16./18.	2./3.	10./14.	1.00	N .10	NM
317	.08	2.0	1.0	.045	.03	18./20.	3./4.	11./15.	1.00	N .10	NM
317 L	.03	2.0	1.0	.045	.03	18./20.	3./4.	11./15.			NM
321	.04/.08	2.0	1.0	.04	.03	17./19.	.75	8./12.	.75	Ti 5x (C + N)/70	NM
330	.08	2.0	.75/1.5	.03	.03	17./20.	.75	34./37.	.50	Sn .025 Pb .005	NM
347	.04/.08	2.0	1.0	.04	.03	17./19.	.75	9./12.	.75	Cb 10xC/1.10 Co 1.0 Ta .05	NM
AM-355	.10/.15	.50/1.25	.50	.04	.03	15./16.	2.5/3.25	4./5.		N .07/.13	M
403	.15	1.0	.50 Max	.04	.03	11.5/13.	.50	.75	.50		M
410	.12/.15	.60	.50	.025	.025	11.5/12.5	.50	.75	.50	Al .05 Sn .05 N .08	M
416	.15	1.25	1.0	.06	.15/.40	11.5/13.5	.60	.75	.50		M
418 (Greek Ascoloy)	.15/.20	.50	.50	.04	.03	12./14.	.50	1.8/2.2	.50	W 2.5/3.5 Sn .50 N .08 Al .15	M
420	.30/.40	1.0	1.0	.04	.03	12./14.	.50	.50	.50	Al .05 Sn .05	M
420 F	.30/.40	1.25	1.0	.06	.15/.35	12./14.	.60	.50			M
422	.20/.25	.50/1.0	.20/.60	.025	.025	11./12.5	.90/1.25	.50/1.0	.50	V .20/.30 W .90/1.25	M
430	.12	1.0	1.0	.04	.03	16./18.	.50	.75	.50	Al .05 Sn .05	M
430 F	.12	1.25	1.0	.06	.15 min	14./18.	.60				M
431	.13/.17	.30/.80	.20/.60	.04	.03	15.5/16.5.	.25	1.25/2.5	.50	N .10	M
440 A	.60/.75	1.0	1.0	.04	.03	16./18.	.75	.75	.50		M
440 C	.95/1.2	1.0	1.0	.02	.01	16./18.	.40/.65	.75	.50		M
440 F Se	.95/1.2	1.25	1.0	.04	.03	16./18.	.40/.60	.50	.60	Sn .05 N .08 Se .15/.25	M
446	.20	1.5	1.0	.04	.03	23./27.				N .25	M
Fry Alloy 40	.04	8./10.	1.0	.045	.03	19./21.5	.75	5.5/7.5	.75	N .15/.40	NM
Fry Alloy 50	.06	4./6.	1.0	.04	.03	20.5/23.5	1.5/3.0	11.5/13.5		N .20/.40 Cb .10/.30 Al .02	
Fry Alloy 60	.10	7./9.	3.5/4.5			16./18.		8.0/9.0		V .10/.30 Ti .02 Zr .02 N .08/.18	NM NM
Fry Alloy 20	.07	2.0	1.0	.045	.035	19./21.	2./3.	32./38.	3./4.	Cb + Ta 8xC Min/ 1.0 Max	NM

Carbon = C  
Manganese = Mn  
Silicon = Si  
Tantalum = Ta  
Tin = Sn  
Zirconium = ZrPhosphorus = P  
Sulfur = S  
Chromium = Cr  
Titanium = Ti  
Cobalt = CoMolybdenum = Mo  
Nickel = Ni  
Copper = Cu  
Lead = Pb  
Tungsten = WAluminum = Al  
Nitrogen = N  
Columbium = Cb  
Selenium = Se  
Vanadium = V

## MACHINABILITY RATINGS

GRADE	APPROXIMATE SURF. FT. PER MIN.	% RELATIVE SPEED BASED ON C-1212 as 100%
302	70	40
302/304/304 L "B"	55	28
303	150	75
303 "B"	80	43
304	70	40
304 L	70	40
309	60	36
310	60	36
316	60	36
316/316 L "B"	50	22
316 L	60	36
317/317 L	60	36
321	60	36
330	45	20
347	60	36
403	95	54
410	95	54
416 Ann	150	75
416 H.T.	85	50
418 (Greek Ascoloy)	96	50
420	85	50
420 F	125	68
422	85	50
430	110	66
430 F	150	75
431	80	48
440 A	65	40
440 C	65	40
440 F Se	80	48
446	60	36
<sup>3</sup> Custom 455 (12-9-2)	55	28
PH 13-8 MO	60	36
15-5 PH	75	45
17-4 PH	75	45
17-4 PH "H1150"	85	50
17-7 PH	75	45
AM 355	72	42
Fry Alloy 40	50	22
Fry Alloy 50	50	22
Fry Alloy 60	50	22
Fry Alloy 20	70	40

These machinability ratios are based on high speed tooling and must be recognized as approximate values.