

ELLWOOD City Forge Group is the leading supplier of forged bars in North America. Our high-quality steel, coupled with quick, reliable lead times, makes us the bar producer of choice for steel service centers, machine shops, and original equipment manufacturers.

With multiple open-die forging presses up to 5000 tons, ECFG can manufacture a wide variety of dimensions in single quantity or high volume.

The use of swage dies on our 1500T press improves the quality of the forging, while decreasing forging allowance, machine times and production costs.



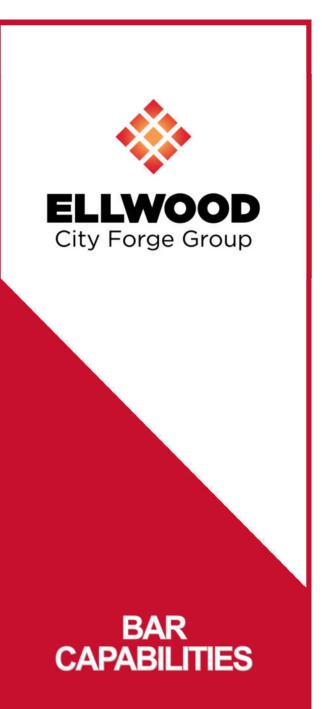
Our standard practice ensures all bars receive adequate forge reduction—all bars are ultrasonically tested to meet sound center requirements.

We are committed to providing efficient, innovative and cost-effective solutions for your individual needs, *delivered on time*. In doing this, we serve customers both large and small.

Unsurpassed Reliability

ELLWOOD offers competitive lead times and reliable deliveries to customers in North America and around the world





MATERIALS

GRADES

HEAT TREAT & MACHINING

Steel & Aluminum

Carbon

- Alloy
- Tool Steel
- **Nickel Alloys**
- **Aluminum**

Typical Grades

Our in-house steelmaking allows us to make hundreds of standard grades, as well as customized chemistries to fit your every need.

CARBON & ALLOY 33XX 40XX 11XX 13XX 15XX 41XX 43XX 10XX 46XX 47XX 48XX 50XX 51XX 52100 61XX 81XX 86XX 87XX 88XX 92XX 93XX 94XX HY80 HY100 Nit135N 17CrNiMo6

STAINLESS & NICKEL ALLOYS									
304/304L/304LN	308/308L	309/309L	310/310H						
316/316L/316LN	317/317H	321/321H	347/347H						
348/348H	403	410/410S	416						
420	430	431	440 A/B/C						
15-5 / 17-4	DUPLEX	FXM-19	F6NM						
Alloy 600 Alloy 625		Alloy 800	Alloy 825						

VAR & ESR								
4340	9310 300M		D6AC					
4330V	15-5							
ALUMINUM								
6061	7050	7075						

COMMON SPECIFICATIONS									
A182	F1	F2	F5/F5A	F6A/F6B	F6NM	F7	F9		
	F11	F12	F21	F22	F51	F60	F91		
A350	LF2	LF3	LF6						
A105	A286	A291	A335	A336	A469	A470	A471		
A485	A508	A514	A668	A694	A707	A723			
API 6A-PSL3 & 4 AMS-S-5000 T9074-BD-GIB-010/300									
MIL-S	MIL-S-23284 MIL-S-46172		ABS GRADE 2						
APPROVALS — AS9100 ACCREDITED									
AEROSPACE MA		MA	RINE PO		WER GEN				











We offer a variety of materials melted in our modern steelmaking facilities and made to your unique specification. Our material is produced with tight chemistry control to provide heat-to-heat analysis consistency and unparalleled cleanliness.

ELLWOOD produces super clean materials using the Vacuum Arc Remelt (VAR) and Electro Slag Remelt (ESR) processes when required by your specification.

We are excited to announce that Aluminum production begins fourth quarter of 2020!

Call us today to see how we can provide a material solution for you!

Heat Treat Facilities

ELLWOOD has state-of-the-art precision heat treating equipment necessary to deliver the demanding mechanical properties that our customers specify.



Machining

If you require a rough machined bar, we can provide rough turned or peeled, solid or bored. Surface finishes are available in 125 RMS to 1000 RMS to meet your requirement. We can also ship bars in the as-forged condition if requested.

