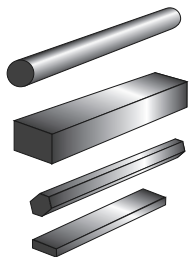




## Commonly Forged Shapes:

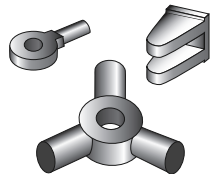
With no minimum requirements for stocking grades, you can order single-piece or high-volume quantities ranging from a few lbs. up to 100,000 lbs. in a wide range of ferrous or non-ferrous materials.

### Bars



Round, square, or hex up to 65" cross section, rectangles to 120" wide. Lengths to 700". Tartan Bars® from 6" to 16" O.D.

### Complex Forged Shapes



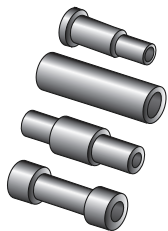
Unique and innovative forged shapes. Created in collaboration with process engineering teams. Powered by simulation and CAD software.

### Disks/Blanks



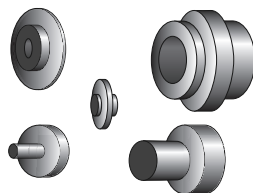
Disks from ferrous and non-ferrous metals up to 144" O.D. with variable diameter and thickness ratios or combinations

### Hollows



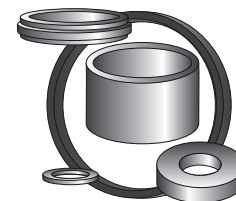
Single or multiple O.D./ I.D. up to 90" O.D. 2" minimum wall thickness. Lengths to 360"

### Hubs/Tooled Forgings



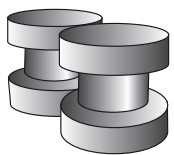
Single, double or tapered hubs to 144" O.D.

### Rings



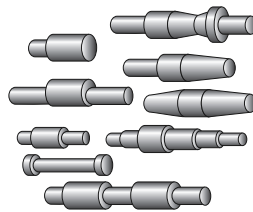
Rolled rings to 252" O.D., 49 height, and wts. to 60,000 lbs. Open die rings to 144" O.D., 90" height.

### Semi-Closed Die



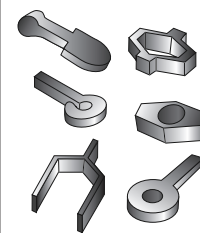
Unique process pioneered by Scot Forge. Provides cost-effective conversion of cast or fabricated parts. Powered by a simulation and CAD and software.

### Step Shafts/Spindles



Concentric or eccentric to 65" O.D. Round, square, rectangle or polygonal dimensions. Upset flanged-end. Lengths to 600"

### Torch Cut or Profile Cut



Infinite shape possibilities. Torch cut shapes or contours in carbon and alloy forged parts up to 32" thick with cross sections ranging between 96" x 144" and 88" x 282"

The above capabilities are only general guidelines. If your needs are a bit more complex, we will take the time to listen. Please contact us and we will put you in direct communication with a Scot Forge technical sales expert or industry specialist.

We also offer all downstream value-added processes including saw cutting, heat treating, contour torch cutting, destructive testing, metallurgical analysis and Level III nondestructive testing.



Certified to  
ISO 9001:2008  
AS9100C

Call us with your specific requirements!  
100% Employee Owned 

Visit our website at  
[www.scotforge.com](http://www.scotforge.com)





## Inventory & quotable material

Scot Forge carries an extensive inventory of raw materials, allowing for shorter lead times and quick reaction to market changes. Additionally, we offer custom-melt materials uniquely suited to your application, so while the materials listed below are the more commonly quoted, don't hesitate to call us for any other specification or grade.

### Carbon Steel

1006	1020	1029	1053	1070	1146	1030	15B22
1008	1021	1040	1055	1080	1215	1035	17CrNiMo6
1010	1022	1045	1060	1117	1552	10B60	18CrNiMo7-6
1018	1026	1050	1065	1141	2317	1541V	

*Common carbon steel specification grades include: ABS Grade 2, ABS Grade 2C, ASTM A105, ASTM A181, ASTM A266, ASTM A290, ASTM A291, ASTM A304, ASTM A350, ASTM A36, ASTM A576, ASTM A668, ASTM A694*

### Alloy Steel

3310	4145	4340	4820	8740	4330V	HY-130
4125	4150	4350	5080	8822	43B17	HY-80
4130	4170	4360	6150	9310	8630	NITRALLOY "N"
4137	4220	4532	8620	52100	E4340	NITRALLOY 135
4140	4320	4620	8622	21CrMoV511	EX55	Ferrium Grades
4142	4325	4715	8625	34CrNiMo6	HY-100	

*Common Alloy Steel Specification Grades: ASTM A469, ASTM A707, API Spec 6A, ASTM A182F91, ASTM A182F11, ASTM A182F12, ASTM A182F22, ASTM A182F5, ASTM A182F9, ASTM A288, ASTM A290, ASTM A291, ASTM A304, ASTM A336F1, ASTM A336F11, ASTM A336F22/F22A, ASTM A350, ASTM A508, ASTM A668, ASTM A723, ASTM A837, ASTM A182F1, ASTM A588, ASTM A694, MIL-S-23284CL1, MIL-S 23284CL2 NACE MRO175, SAE AMS6257, SAE AMS6419, SAE AMS6431, Shell DEP, T9074-BD-GIB-010/0300 & SA/A 508 Grade 4N*

### Bearing Quality

4130	4320	8620	52100
4140	4340	8822	
4150	4820	9310	

### Calcium Treated

4130	4340
4140	4330
4150	

### Aircraft Quality

4340	8822	4820	AERMET 100 (UNS K92580)
4140	4150	13-8 Mo	300M
9310	4130	4330 Modified	D6AC
4320	8620	4330V VAR	

*Common Aircraft Quality Specification Grades: SAE AMS2301, SAE AMS2304, SAE AMS4311, SAE AMS5632, SAE AMS6382, SAE AMS6414, SAE AMS6415, SAE AMS6349, SAE AMS6484, SAE AMS5632, SAE AMS5934, SAE AMS6260, SAE AMS6370, SAE AMS6348, SAE AMS6427, SAE AMS5000, SAE AMS4975, SAE AMS6484, SAE AMS6758, SAE AMS6359, SAE AMS6274, MIL-S-5626, MIL-S-8690, ASME SB-564, ASTM B564*

### Aluminum

1100	5086
2014	5456
2050	6061
2195	7039
2219	7050
2618	7075
4032	7085
5083	7175
Highlander 613™	

### Copper

C10100	C63000
C11000	C63200
C18000	C70600
C18000 Zr	C71500
Modified	HIDURON®
C18150	191
C18200	
C61400	

### Nickel

N02200	N08020
N04400	N08367
N05500	N08800
N06600	N08810
N06617	N08811
N06625	N08825
N07718	N09901
N07725	N10276
N07750	

### Titanium

CP Ti GR.1	6-2-4-2 Ti
CP Ti GR.2	Ti Beta C
CP Ti GR.3	10-2-4-2
CP Ti Gr. 4	6Al-2Sn-4Zr-2Mo
CP Ti 70	
6Al-4V Ti	
6Al-4V ELI Ti	
5-1-1-1 Ti	

### Magnesium

ZK-60A (UNS M16600)
AZ-31B (UNS M11311)
WE-43 (UNS M18430)

### Stainless Steel

13-8 Mo (XM-13)	Nitronic® 60 (UNS S21800)	304LN	321	405	S42225
15-5 PH (XM-12)	Nitronic® 40 (XM-11)	310H	321 VAR	410 (F6a)	431
15-5 PH VAR	Nitronic® 40 ESR (XM-11)	254 SMO	S32205 (F60)	403	440A
17-4 PH (630)	304/304L ESR	316/316L	Ferralium® 255 (F61)	415 (F6NM)	Custom 450 (XM-25)
17-4 PH VAR	304/304L	316H	S32507 (F53)	416	A286 (660)
Nitronic® 50 (XM-19)	304/304L Low Cobalt	317/317L	347	420	AL6XN® (N08367)
Nitronic® 50 ESR (XM-19)	304H	S31803 (F51)	S32760 (F55)	422 ESR	904/904L

### Customer Specified Grades

General Electric	Caterpillar	Lufkin	Falk	Howco
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