

Investment Casting Alloys



Many of today's manufacturing processes and applications require castings made of specialized materials to deliver the necessary properties and specifications. In addition to steel and aluminum, Pennsylvania Precision Cast Parts (PPCP) can produce consistent, top-quality castings made from an extensive array of high-performance alloys.

While the full list of all the alloys PPCP can cast is too extensive to list here (new alloys are added regularly), the following materials are representative of our capabilities. If you have other needs, please consult with your PPCP representative or contact us at 717.273.3338 or info@ppcpinc.com.

Stainless Steel

- CF3
- CF3M
- CF8
- CF8M
- CF8C
- CG3M
- CG8M
- 303B
- CF16F
- CA15
- 416
- CA40
- CA6NM
- 431
- STG11T
- CB30
- CN7M
- CN3MCu
- 904L
- CN3NM
- CF3MN
- CG6MMN
- CF10SMnN
- CK3MCuN
- Cu5MCu

High-Temp Stainless Steel

- HK30
- HK30 Mod
- HK40
- HH
- HL
- HK
- CH20
- CH20 Mod
- CK20
- HT

Carbon Steel

- WCB
- WCA
- WCC
- LCB
- LCC
- CE41/CE43
- ASTM A27

Low-Alloy Steel

- 90/60
- 105/85
- 120/95
- 150/125
- 165/150
- 4130/4140
- 4340
- 8620
- WC1
- WC6
- WC9
- C5
- C12
- 8640
- 6150
- 4620
- 4150
- STG50
- STG32T
- 1065
- LC2
- LC3
- ASTM A 487

Duplex Alloys

- 6A/CD3MWCuN
- 5A/CE3MN
- 4A/CD3MN
- 3A/CD6MN
- 2A/CE8MN
- 1A/CD4MCu
- 1B/CD4MCuN

Precipitating Hardening

- 17-4PH
- 155PH

Monels

- M35
- Comp B
- Comp C
- Comp D
- M30C
- M30H
- M25S

Nickel Base

- CY40
- N12MV
- CW12MW
- CW6MC
- CW2M
- CW6M
- CZ100
- Hast G30
- Inconel 600
- Inconel 611
- Inconel 657
- CX2MW
- N7M
- HX

Abrasive/ Tool Steel

- D2
- M2
- M52
- CS7
- NiHard
- D7
- A2
- 52-100
- ASTM A532 Cl. III
- Hadfield B2
- 440C

Copper Nickels

- 90/10
- 70/30

Irons

- Ductile Irons

Cobalt Base

- Contact for Details

Brass/Bronze

- Everdur
- C87300
- C95200
- C95400
- C95500
- C95800