

## Product Overview – High Performance Materials

Forms of supply: round bars, sheets/plates, tubes, cut-to-size, profiles or metal powder

### CP-Titanium & Titanium Based Alloys

Titanium Grade 1 (Material no.: 3.7024) Spec.: WL 3.7024.1 / LN9297
Titanium Grade 2 (Material no.: 3.7035) Spec.: ASTM B-348 / ASTM B-265
Titanium Grade 5 (Material no.: 3.7164) Spec.: WL 3.7164 / AMS 4928 / AMS 4911 / MIL-T-9047

### Steel Based Alloys

15-5 PH (Material no.: 1.4545) Spec.: WL 1.4545.4 / WL 1.4545.9 / AMS 5659
17-4 PH (Material no.: 1.4548) Spec.: WL 1.4548.4 / WL 1.4548.9 / AMS 5643 / AMS 5622
PH 13-8 Mo (Material no.: 1.4534) Spec.: WL 1.4534.4 / 1.4534.9 / AMS 5864 / AMS 5629
15CDV6 (Material no.: 1.7734.4 or 1.7734.5) Spec.: WL 1.7734 / AIR9160C / LN9369
WL 1.4044.5 / 1.4044.6   WL 1.6604.5   WL 1.4546.9   <i>And other aerospace steels on request</i>

### Aluminium Based Alloys

EN AW-2024 (Material no.: 3.1354) Spec.: WL 3.1354 / 3.1364 in all common temper conditions
EN AW-6061 (Material no.: 3.3214) Spec.: WL 3.3214 in all common temper conditions
EN AW-7075/7175 (Material no.: 3.4364) Spec.: WL 3.4364 in all common temper conditions
EN AW-7050 (Material no.: 3.4144) Spec.: WL 3.1354 in all common temper conditions

### Nickel Based Alloys/ Special Materials

Invar 36 – Alloy 36 (Material no.: 1.3912) Spec.: ASTM-F1684 / UNS K93603 / SEW 385
Invar 42 – Alloy 42 (Material no.: 1.3917) Spec.: ASTM-F30 / UNS K94100
Inconel 625 – Alloy 625 (Material no.: 2.4856) Spec.: UNS N06625 / ASTM-B446 / AMS 5666
Inconel 718 – Alloy 718 (Material no.: 2.4668) Spec.: UNS N07718 / AMS 5662 / 5663 / 5596
Alloy K – Kovar (Material no.: 1.3980 + 1.3981) Spec.: ASTM-F15 / UNS K94610

### US-Materials

Maraging 250 - Spec.: AMS 6512   Maraging 300 - Spec.: AMS 6514
Greek Ascoloy – Alloy 418 - Spec.: AMS 5616 / AMS 5508   Alloy 440C – Spec.: AMS 5630
Alloy A-286 – Spec.: AMS 5731 / AMS 5732 / AMS 5737   <i>And other US-Materials on request</i>

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robemetall GmbH is certified to [EN 9120:2018](#) for the aerospace industry



## Product Overview – Standard Materials

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### Steel Based Alloys

Free-cutting steel	Tempering steel
Creep resistance steel	Precision flat steel
Nitriding steel	High speed steel
Case hardening steel	Cold work steel
Pressure vessel steel	Hot work steel
Bearing steel	Unalloyed tool steel
Stainless steel (CRES)	<i>And other steels on request</i>

### Aluminium Based Alloys

EN AW-1050A (Material no.: 3.0255)	EN AW-5754 (Material no.: 3.3535)
EN AW-1080 (Material no.: 3.0255)	EN AW-6012 (Material no.: 3.0615)
EN AW-1350A (Material no.: 3.0257)	EN AW-6060 (Material no.: 3.3206)
EN AW-2007 (Material no.: 3.1645)	EN AW-6061 (Material no.: 3.3214)
EN AW-2011 (Material no.: 3.1655)	EN AW-6082 (Material no.: 3.2315)
EN AW-2017A (Material no.: 3.1325)	EN AW-6101 (Material no.: 3.3207)
EN AW-2024 (Material no.: 3.1354)	EN AW-7020 (Material no.: 3.4335)
EN AW-5005 (Material no.: 3.3315)	EN AW-7022 (Material no.: 3.4345)
EN AW-5019 (Material no.: 3.3555)	EN AW-7050 (Material no.: 3.4144)
EN AW-5083 (Material no.: 3.3547)	EN AW-7075/7175 (Material no.: 3.4364)
<i>* in all common temper conditions</i>	
<i>And other aluminium based alloys on request</i>	

### Special Materials

Copper, low-alloyed copper alloys & copper-nickel
Brass & special brass
Red cast
Tin bronze, aluminium bronze & lead bronze
Cast iron
Plastics
<i>And other special materials on request</i>

