

Saarloha Product Profile Brief

Grades:

Following is not an exhaustive list of grades. Saarloha has capability to produce more than 200 grades in Carbon steel, Alloy steel, Tool & Die steels, Stainless steels and Valve steels. Additionally we can make Incoloy 800 and other Inconel grades are under development.

All the grades can be supplied from Airmelt route as well as Remelt (ESR/ VAR) route.

| Carbon Steel | Alloy Steel | Tool & Die | Stainless Steel | Valve Steel | Aerospace sector |
|--------------|----------------|--------------|-----------------|--------------|------------------|
| - 1018 | - EN18 | - H13 | - 15-5 PH | - EN 52 | - AISI 4340 |
| - 1045 | - 15CDV6 | - H13 ESR | - 17-4PH | - SUH 11 | - 300M |
| - C38, | - 18X2H4MA | - H12 | - Custom 450 | - SUH 3 | (under dev.) |
| - C38+N2 | - 20XH2MOA-W | - H11 | - SS 301 | - EN 36C | - 15-5 PH |
| - C45 | - 2CrMo | - DIN 1.2714 | - SS 304, 304L | - SNB 16 | - 17-4 PH |
| - C50 | - 30CD12 | (DB6) | - SS 316, 316L, | - VAT 36 | - 15CDV6 |
| - C60 | - 30XH2MOA-W | - S7 | 316LN | - VA 36 | - SS 304 / |
| - EN8 | - 35NCD16 | - O1 | - SS 321 | - SAE 4140 | 304L |
| - END | - 38MnS6 | - A2 | - SS 403, | - SUH 1 | - AISI 420 |
| - S48C | - 38MnSiVS5 | - D2 | 403Cb | - 21-4N | - AISI 316 |
| - SA 350LF2 | - 38MnSiVS5 | - Cr7VL | - SS 410 | (under dev.) | - 08X14H7M |
| - SA266Gr.3 | - 39Cr5 | - Etc. | - SS 420 | - Etc. | - SS 321 |
| - SAE 1541 | - 40CrMo4H | | - SS 430 | | - 30CD12 |
| - SAE 1548 | - 42CrMo4 | | - X10CrNiMoV | | - 35NCD16 |
| - Etc. | - 45XH2MOA-W | | 12-2-2 | | - 08X14H7M |
| | - 46Mn5 | | - X20Cr13 | | - 14X18H4 |
| | - AISI 4130 | | - X22CrMoV12 | | - SS0814C |
| | - APC-CrNiMo-V | | -1 | | - Etc. |
| | - Class F431 | | - Z30C13 | | |
| | - CMA-1 | | - 12Cr | | |
| | - EN19, | | - Etc. | | |
| | SAE4140, | | | | |
| | 42CrMo4 | | | | |
| | - EN24 | | | | |
| | - EN36C | | | | |
| | - SCM440 | | | | |
| | - Etc. | | | | |

Size Range & Supply condition:

| Shape | Size Range |
|------------|--------------------------|
| - Rounds: | 5.5 to 650 mm |
| - Squares: | 25 to 650 mm |
| - Blocks: | >200 mm Thickness blocks |

| As Cast Blooms: |
|---------------------------|
| - 320x400 mm ² |
| - 240x280 mm ² |
| - 210x230 mm ² |
| - 160x160 mm ² |

| Ingots: |
|-------------------|
| - 2.5 MT to 55 MT |

| Surface Condition: |
|--------------------|
| - Peeled |
| - Machined |
| - As Rolled |
| - As Forged |

| Supply Condition: |
|------------------------------|
| - Annealed |
| - Solution Annealed |
| - Spherodized Annealed |
| - Hardened & Tempered |
| - Hardened & Double Tempered |
| - Quenched & Tempered |