

Tool Steels

Longwear Certified Air Melt Ingots - Alloy Cross Reference Index - Tool Steels

In addition to the above Specifications we can offer manufacturing to Customer individual requirements and specifications including Toll Melting and re-melting. Longwear Alloys Ltd assumes no liability for errors or omissions. In relationship to the information contained in this document.

| Alloy Reference | Associated Specifications | | C | Si | Mn | P | S | Cr | Ni | Mo | Cu | Fe | Others |
|-----------------|---------------------------|--------|-----------|------------|-----------|-------|-------|--------------|------|-----------|------|-----|--------------------------------|
| | | | Min/Max | Min/Max | | | | | | | | | |
| 105WCr6 | 1.2419 | | 1.03/1.10 | e0.10/0.40 | 0.80/1.00 | 0.03 | 0.03 | 0.90/1.10 | 0.40 | | 0.40 | Bal | 1.00/1.30W |
| 51CrMoV4 | | | 0.5 | 0.250 | 0.900 | | | 1.10 | | 0.25 | | Bal | 0.10V |
| 50CrV4 | 1.8159 | | 0.47/0.55 | 0.4 | 0.70/1.10 | 0.025 | 0.025 | 0.90/1.10 | | | | Bal | 0.10/0.25V |
| 105WCr6 | | 1.2419 | 1.00/1.10 | 0.10/0.40 | 0.80/1.10 | 0.03 | 0.03 | 0.90/1.10 | 0.40 | | 0.40 | Bal | 1.00/1.30W |
| BH11 | GX38Cr-MoV5.1 | 1.2343 | 0.36 | 1.10 | | | | 5.20 | | 1.30 | | Bal | 0.40V |
| BH13 | GX40Cr-MoV5 | 1.2348 | 0.39 | 1.10 | | | | 5.00 | | 1.40 | | Bal | 0.95V |
| 58WCr9 | | | 0.55/0.65 | 0.70/1.20 | 0.20/0.50 | 0.04 | 0.03 | 0.90/1.20 | 0.40 | | 0.40 | Bal | 2.10/2.50W |
| 60WCrV7 | 60WCrV7 | 1.2550 | 0.55/0.65 | 0.70/1.00 | 0.15/0.45 | 0.03 | 0.03 | 0.90/1.20 | | | | Bal | 1.70/2.20W 0.10/0.20V |
| 88MnV8 | 88MnV8 | | 0.85/0.95 | 0.50/0.75 | 1.85/2.20 | 0.03 | 0.03 | 0.3 | 0.30 | | | Bal | 0.13/0.20V |
| 90MnVCr8 | AISI 02 | 1.2842 | 0.87/0.95 | 0.20/0.40 | 1.80/2.20 | 0.03 | 0.03 | 0.25/0.50 | 0.40 | | 0.40 | Bal | 0.15/0.30V 0.015/0.04Al |
| BS 4659 Gr B01 | 95MnWCr-5KU | 1.251 | 0.90/1.00 | 0.10/0.40 | 1.05/1.35 | 0.03 | 0.03 | 0.35/0.65 | 0.40 | 0.10 | 0.40 | Bal | 0.40/0.70W 0.015/0.04Al |
| AISI D2 | X165Cr-MoV12 | 1.2601 | 1.55/1.75 | 0.25/0.40 | 0.20/0.40 | 0.035 | 0.035 | 11.00/12.000 | | 0.50/0.70 | | Bal | 0.40/0.60W 0.10/0.50V |
| AISI D3 | X210Cr13 | | 2.00/2.50 | 0.25/0.45 | 0.25/0.45 | | | 11.00/13.00 | | 0.08max | | Bal | |
| X35Cr-MoV05 | X35Cr-MoV05 | | 0.33/0.40 | 0.85/1.20 | 0.25/0.40 | 0.03 | 0.03 | 4.85/5.50 | 0.40 | 1.30/1.75 | | Bal | 0.35/0.50V |
| AISI M2 | X82WMo 06.05 | 1.3343 | 0.82/0.88 | 0.20/0.40 | 0.20/0.40 | 0.03 | 0.03 | 3.8/4.50 | 0.40 | 4.70/5.20 | 0.4 | Bal | 5.9/6.7W 1.7/2.1V 1.0Co-max |

Please contact the Sales Office to confirm specification details prior to placing an order. Tel: +44 (0)121 553 4974