BOHLER UDDEHOLM
AUSTRALIA

# K660 Low temperature air hardening Tool Steel

| Typical Analysis (Ave. values %) | C | Si | Mn | S | Cr | Mo | | |
|---|---|---|---|---|---|---|---|---|
| | 0.70 | 0.30 | 2.00 | 0.02 | 1.00 | 1.40 | | |
| **NEAREST STANDARD** | AISI | | | BS | | | | |
| | ~A6 | | | BA6 | | | | |

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| **DESCRIPTION** | Low temperature medium alloy air hardening steel, providing a desirable combination of wear resistance, toughness and strength |

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| **APPLICATIONS** | Forming rolls, blanking dies, heavy duty punches, shear blades and trimming dies. |

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| **HEAT TREATMENT** | Annealing | 840˚C slow controlled cooling in furnace at 10-20˚C/hr down to approx 600˚C further cooling in air. |
| | Stress Relieving | 600-650˚ Slow cooling in furnace. |
| | Forging | 1130-930˚C Slow cooling in furnace. |
| | Hardening | 830-870˚C / Air Hold hardening temperature 15-30 minutes. |
| | Tempering | 150-400˚C Slow heating to tempering temperature immediately after hardening. / time in furnace 1 hr for 25 mm of work piece thickness but at least 2 hr cooling in air.<br><br>Ave values for the hardness after tempering HRC<br>150˚C 200˚C 300˚C 400˚C<br>62 59 57 53 |

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| **SIZE RANGE** | Round | 55-305mm |
| | Square | 150mm |
| | Flat | 120x20mm – 100x25mm |

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**LOCATIONS**

**Bohler Uddeholm Australia Pty Ltd ABN 15000013052**

| | | | | |
|---|---|---|---|---|
| Sydney | 129-135 McCredie Rd Guildford | 2161 | Ph (02) 8724 5554 | Fax (02) 8724 5555 |
| Newcastle | 3 Pavilion Pl Cardiff | 2285 | Ph (02) 4954 6611 | Fax (02) 4956 5773 |
| Albury | 1 Eames St Albury | 2640 | Ph (02) 6041 3399 | Fax (02) 6041 1820 |
| Wollongong | 40 Doyle Ave Unanderra | 2526 | Ph (02) 4272 6544 | Fax (02) 4272 7563 |
| Marayong | 1/21 Binney Rd Marayong | 2148 | Ph (02) 9831 4431 | Fax (02) 9671 1682 |
| Melbourne | 282-290 Greens Rd Dandenong | 3175 | Ph (03) 9767 5554 | Fax (03) 9767 5555 |
| Bayswater | 4 Amsted Rd Bayswater | 3153 | Ph (03) 9739 8022 | Fax (03) 9739 8033 |
| Adelaide | 1 Williams Cir Pooraka | 5095 | Ph (08) 8368 4554 | Fax (08) 8368 4555 |
| Brisbane | 12-18 Limestone St Darra | 4076 | Ph (07) 3712 9554 | Fax (07) 3712 9555 |
| Townsville | 9-11 Caldwell St Garbutt | 4814 | Ph (07) 4479 4800 | Fax (07) 4725 1316 |
| Perth | 29-33 Gauge Cir Canningvale | 6155 | Ph (08) 9455 8672 | Fax (08) 9455 8673 |
| Kewdale | 5 Beete St Welshpool | 6106 | Ph (08) 9350 9582 | Fax (08) 9350 9683 |
| Launceston | 20 Murphy St Invermay | 7248 | Ph (03) 6334 3542 | Fax (03) 6331 4001 |

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Notes