

## 8620 Case hardening steel

Typical Analysis (Ave. values %)	C	Si	Mn	Ni	Cr	Mo		
	0.20	0.25	0.8	0.50	0.50	0.20		
NEAREST STANDARD	BS			SAE				
	EN 362			8620H				

<b>DESCRIPTION</b>	8620 is a balanced low nickel/chromium and molybdenum general purpose case hardening steel, suitable for comparatively light stressed components.
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<b>APPLICATIONS</b>	Used extensively in automotive components such as transmission gears, crown wheel, ring gears, hypoid gears and races, king pins and pinions.
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<b>MECHANICAL PROPERTIES</b> Heat Treated Condition	Tensile Strength MPa	Elong. %	Izod Impact J	
	850	11	20	

<b>HEAT TREATMENT</b>	Forge	850-1150°C. Cool in lime, sand or ash.
	Normalize	850-880°C. Air cool.
	Anneal	850°C. Cool slowly in controlled furnace.
	Carburize	850-930°C. Furnace or Air cool
	Core Refine	850-880°C. Oil quench or Air cool.

<b>SIZE RANGE</b>	Round	30-130 mm
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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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