

# KEY STEEL

## EN6A

Typical Analysis (Ave. values %)	C	Si	Mn	
	0.40	0.20	0.70	
NEAREST STANDARD	DIN	JIS	BS	AISI
	1.1186 Ck40	S40C	EN6A	1040

<b>DESCRIPTION</b>	Square edge carbon steel designed to be a sacrificial key in an emergency. Supplied either uncoated or cadmium plated.
--------------------	--

MECHANICAL PROPERTIES	Cold Drawn size mm	Tensile Strength MPa	Yield Strength MPa	Elong %	Hardness HB
	< 16	690	540	8	207
	> 16-38	650	510	8	195
	> 38	640	500	9	190

STOCK RANGE			
Metric		Imperial	
Size	Tolerance	Size	Tolerance
8 x 7 mm Flat	-0.035 x 0.09	1/4" x 3/16" Flat	0.250 /0.253 x 0.188/0.190
10 x 8 mm Flat	-0.035 x 0.09	5/16" x 1/4" Flat	0.312 /0.315 x 0.250/0.253
12 x 8 mm Flat	-0.043 x 0.09	3/8" x 1/4" Flat	0.375 /0.377 x 0.250/0.253
14 x 9 mm Flat	-0.043 x 0.09	7/16" x 5/16" Flat	0.438 /0.440 x 0.312/0.314
16 x 10 mm Flat	-0.043 x 0.09	1/2" x 3/8" Flat	0.500 /0.502 x 0.375/0.378
18 x 11 mm Flat	-0.043 x 0.11	5/8" x 7/16" Flat	0.652 /0.627 x 0.438/0.441
20 x 12 mm Flat	-0.052 x 0.11	3/4" x 1/2" Flat	0.750 /0.752 x 0.500/0.503
22 x 14 mm Flat	-0.052 x 0.11	7/8" x 5/8" Flat	0.875 /0.877 x 0.652/0.629
25 x 14 mm Flat	-0.052 x 0.11	1" x 3/4" Flat	1.000 /1.003 x 0.750/0.754
28 x 16 mm Flat	-0.052 x 0.11	1-1/4" x 7/8" Flat	1.250 /1.253 x 0.875/0.879
32 x 18 mm Flat	-0.052 x 0.11	1-1/2" x 1" Flat	1.500 /1.504 x 1.000/1.006
36 x 20 mm Flat	-0.052 x 0.13		
40 x 22 mm Flat	-0.052 x 0.13		
45 x 25 mm Flat	-0.052 x 0.13		
50 x 28 mm Flat	-0.052 x 0.13		

<b>STOCK RANGE cont.</b>			
Metric		Imperial	
Size	Tolerance	Size	Tolerance
4 mm Square	+/-0.030	1/8" Square	0.1225/0.127
5 mm Square	+/-0.030	3/16" Square	0.188/0.190
6 mm Square	+/-0.030	1/4" Square	0.250/0.252
8 mm Square	+0/-0.036	5/16" Square	0.312/0.314
10 mm Square	+0/-0.036	3/8" Square	0.375/0.377
12 mm Square	+0/-0.043	7/16" Square	0.438/0.440
14 mm Square	+0/-0.052	1/2" Square	0.500/0.502
16 mm Square	+0/-0.052	9/16" Square	0.563/0.565
18 mm Square	+0/-0.052	5/8" Square	0.625/0.627
20 mm Square	+0/-0.052	3/4" Square	0.750/0.752
		7/8" Square	0.875/0.877
		1" Square	1.000/1.003
		1-1/4" Square	1.250/1.253

## 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

[www.buau.com.au](http://www.buau.com.au)

Every care has been taken in listing this information, particularly specifications. Bohler Uddeholm Australia Pty Ltd will not accept responsibility for any loss or other damage caused to any person or Company as a result of the use of information contained herein

## Notes