



# AUSKEY INDUSTRIAL PTY LTD

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## STANDARD KEY STEEL SPECIFICATIONS

Typical Analysis (Ave values only)	C	Si	Mn	P	S
	0.45	0.25	0.75	0.04	0.04

Nearest Related Specification	AS	AISI	BS	DIN
	1045	1045	080A47	1.0503/C45

Mechanical Values (Approx. Only)	Ultimate Tensile Strength	Yield Strength	Elongation	Hardness BHN
	640 MPa Min	500 Mpa Min	8-9%	190 Min.

### Size Range & Tolerances – Plated/Plain Only (Stainless Steel On Application)

Metric Square	Tolerance
3mm Square	+/- 0.030mm
4mm Square	+/- 0.030mm
5mm Square	+0/- 0.030mm
6mm Square	+0/- 0.030mm
7mm Square	+0/- 0.036mm
8mm Square	+0/- 0.036mm
10mm Square	+0/- 0.036mm
12mm Square	+0/- 0.043mm
14mm Square	+0/- 0.052mm
16mm Square	+0/- 0.052mm
18mm Square	+0/- 0.052mm
20mm Square	+0/- 0.074mm
22mm Square	+0/- 0.074mm
25mm Square	+0/- 0.074mm

Metric Flat	Tolerance	
	Dim 1	Dim 2
8 x 7mm	+0/-0.035mm	+0/-0.09mm
10 x 8mm	+0/-0.035mm	+0/-0.09mm
12 x 8mm	+0/-0.043mm	+0/-0.09mm
12 x 10mm	+0/-0.043mm	+0/-0.09mm
14 x 8mm*	+0/-0.043mm	+0/-0.09mm
14 x 9mm	+0/-0.043mm	+0/-0.09mm
16 x 10mm	+0/-0.043mm	+0/-0.09mm
18 x 10mm	+0/-0.043mm	+0/-0.11mm
18 x 11mm	+0/-0.043mm	+0/-0.11mm
20 x 12mm	+0/-0.052mm	+0/-0.11mm
22 x 14mm	+0/-0.052mm	+0/-0.11mm
25 x 14mm	+0/-0.052mm	+0/-0.11mm
28 x 16mm	+0/-0.052mm	+0/-0.11mm
32 x 18mm	+0/-0.062mm	+0/-0.11mm
36 x 20mm	+0/-0.062mm	+0/-0.13mm
40 x 22mm	+0/-0.062mm	+0/-0.13mm
45 x 25mm	+0/-0.062mm	+0/-0.13mm
50 x 28mm	+0/-0.062mm	+0/-0.13mm
56 x 32mm	+0/-0.074mm	+0/-0.16mm
63 x 32mm	+0/-0.074mm	+0/-0.16mm
70 x 36mm	+0/-0.074mm	+0/-0.16mm
80 x 40mm	+0/-0.074mm	+0/-0.16mm
100 x 50mm	+0/-0.087mm	+0/-0.16mm

Imperial Square	Tolerance	
	Minus	Plus
1/8" Square	0.003"	0.003"
5/32" Square	0.003"	0.003"
3/16" Square	0	0.003"
1/4" Square	0	0.003"
5/16" Square	0	0.003"
3/8" Square	0	0.003"
7/16" Square	0	0.003"
1/2" Square	0	0.003"
9/16" Square	0	0.003"
5/8" Square	0	0.003"
3/4" Square	0	0.003"
7/8" Square	0	0.003"
1" Square	0	0.003"
1-1/8" Square	0	0.003"
1-1/4" Square	0	0.003"
1-3/8" Square	0	0.005"
1-1/2" Square	0	0.005"
1-3/4" Square	0	0.005"
2" Square	0	0.005"

Imperial Flat	Tolerance	
	Dim 1	Dim 2
1/4 x 3/16"	-0/+0.003"	-0/+0.003"
5/16" 1/4"	-0/+0.003"	-0/+0.003"
3/8" x 1/4"	-0/+0.003"	-0/+0.003"
3/8" x 5/16"	-0/+0.003"	-0/+0.003"
7/16" x 5/16"	-0/+0.003"	-0/+0.003"
1/2" x 5/16"	-0/+0.003"	-0/+0.003"
1/2" x 3/8"	-0/+0.003"	-0/+0.003"
1/2" x 7/16"	-0/+0.003"	-0/+0.003"
9/16" x 5/16"	-0/+0.003"	-0/+0.003"
5/8" x 7/16"	-0/+0.003"	-0/+0.003"
5/8" x 1/2"	-0/+0.003"	-0/+0.003"
3/4" x 1/2"	-0/+0.003"	-0/+0.003"
3/4" x 5/8"	-0/+0.003"	-0/+0.004"
7/8" x 5/8"	-0/+0.003"	-0/+0.004"
1" x 5/8"	-0/+0.003"	-0/+0.004"
1" x 3/4"	-0/+0.003"	-0/+0.004"
1-1/4" x 3/4"	-0/+0.003"	-0/+0.004"
1-1/4" x 7/8"	-0/+0.003"	-0/+0.004"
1-1/2" x 1"	-0/+0.004"	-0/+0.006"