

## H.S.S. KEYWAY BROACH SET

**Features:**

- All broach sets are furnished in fitted strong wooden box varnished box, and come complete with precision broaches, slotted bushings, and necessary shims.



### NO.00 Precision Set

Item # 5100-0001

**Features:**

- The most common keyway combinations for small keyways and bores.
- 3 broaches by 5 bushings equals 15 combinations.

**\$158<sup>00</sup> Set**

Keyway Size	Broach Style	Bushing Diameters Bore Sizes- Collared
1/16"	A	1/4", 5/16", 3/8", 7/16" & 1/2"
3/32"	A	
1/8"	A	



### NO.10 Standard Set

Item # 5100-0010

**Features:**

- Cuts 18 different keyways.
- All necessary shims.

**\$269<sup>00</sup> Set**

Keyway Size	Broach Style	Bushing Diameters Bore Sizes- Collared
1/8"	B	1/2", 5/8", 3/4" & 7/8"
3/16"	B	
1/4"	C	1", 1-1/8", 1-1/4", 1-3/8" & 1-1/2"
3/8"	C	



### NO. 10-10A Combination Set

Item # 5100-0012

**Features:**

- Combines 10 and 10A sets.
- 4 broaches and 18 bushings equals 36 combinations

**\$460<sup>00</sup> Set**

Keyway Size	Broach Style	Bushing Diameters Bore Sizes- Collared
1/8"	B	1/2", 9/16", 5/8", 11/16", 3/4", 13/16" & 7/8"
3/16"	B	
1/4"	C	15/16", 1", 1-1/16", 1-1/8", 1-3/16" & 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2" & 1-9/16"
3/8"	C	



### NO.40A Standard Set

Item #5100-0042 \$788.00/SET

Keyway Size	Broach Style	Bushing Dia Bore Size Plain Only
5/16"	D	1-1/2" & 1-5/8", 1-3/4" & 1-7/8", 2", 2-1/8", 2-1/4" & 2-1/2"
3/8"	D	
7/16"	D	2", 2-1/8", 2-1/4" & 2-1/2"
1/2"	D	



### NO.60 Metric Set

Item # 5100-0060

**Features:**

- The most common metric keyway combinations for small keyways and bores.

**\$160<sup>00</sup> Set**

Keyway Size	Broach Style	Bushing Dia Bore Size Plain Only
2mm	A	6, 8 & 10mm
3mm	A	



### NO.70 Metric Set

Item #5100-0070 \$616.00/SET

Keyway Size	Broach Style	Bushing Dia Bore Size Plain Only
4mm	B	12, 14, 15 & 16mm
5mm	B	
6mm	C	18, 19, 20, 22, 24, 25, 26, 28 & 30mm
8mm	C	

## H.S.S. KEYWAY BROACH

**Technical data:**

- Manufactured from H.S.S.
- Ground from solid.
- Straight teeth on one edge of broach.
- Made to cut either inch or millimeter size keyways.
- Bright finish.

**Features:**

- Hardened and ground bars with cutting teeth on one side.
- Sized and proportioned to afford a good cutting range and ample rigidity.

**Applications:**

- Specialty tools designed for cutting keyways in machined holes.
- Typically used manually with an arbor press to produce the keyways.
- Well suited for use in a variety of ferrous and non-ferrous materials.



Item	Broach Size	Tolerances Dec.Equiv.	Dimensions	Shims Required	Length of cut	Price
5000-0002	1/16"-A	0.0625-0.0635	1/8"x5"	0	13/64"-1-1/8"	\$36.00/PC
5000-0004	3/32"-A	0.0938-0.0948	1/8"x5"	0	13/64"-1-1/8"	\$36.00/PC
5000-0006	1/8"-A	0.1252-0.1262	1/8"x5"	1	13/64"-1-1/8"	\$36.00/PC
5000-0008	3/32"-B	0.0938-0.0948	3/16"x6-3/4"	0	19/64"-1-11/16"	\$40.00/PC
5000-0010	1/8"-B	0.1252-0.1262	3/16"x6-3/4"	1	19/64"-1-11/16"	\$40.00/PC
5000-0012	5/32"-B	0.1564-0.1574	3/16"x6-3/4"	1	19/64"-1-11/16"	\$40.00/PC
5000-0014	3/16"-B	0.1877-0.1887	3/16"x6-3/4"	1	19/64"-1-11/16"	\$40.00/PC
5000-0016	3/16"-C	0.1877-0.1887	3/8"x11-3/4"	1	25/46"-2-1/2"	\$50.00/PC
5000-0018	1/4"-C	0.2502-0.2512	3/8"x11-3/4"	1	25/46"-2-1/2"	\$50.00/PC
5000-0020	5/16"-C	0.3127-0.3137	3/8"x11-3/4"	1	25/46"-2-1/2"	\$50.00/PC
5000-0022	3/8"-C	0.3755-0.3765	3/8"x11-3/4"	2	25/46"-2-1/2"	\$50.00/PC
5000-0024	5/16"-D	0.3127-0.3137	9/16"x13-7/8"	1	1-6"	\$108.00/PC
5000-0026	3/8"-D	0.3755-0.3765	9/16"x13-7/8"	2	1-6"	\$108.00/PC
5000-0028	7/16"-D	0.4380-0.4390	9/16"x13-7/8"	2	1-6"	\$108.00/PC
5000-0030	1/2"-D	0.5006-0.5016	9/16"x13-7/8"	3	1-6"	\$108.00/PC
5000-0032	5/8"-E	0.6260-0.6270	3/4"x15-1/2"	4	1-6"	\$166.00/PC
5000-0034	3/4"-E	0.7515-0.7525	3/4"x15-1/2"	5	1-6"	\$166.00/PC
5000-0036	7/8"-F	0.8765-0.8775	1"x20-1/4"	6	1-6"	\$260.00/PC
5000-0038	1"-F	1.0015-1.002	1"x20-1/4"	7	1-6"	\$260.00/PC
5000-0040	1-1/8"	1.1265-1.1275	1-1/8"x20-1/4"	8	1-6"	\$468.00/PC
5000-0042	1-1/4"	1.252-1.253	1-1/4"x20-1/4"	9	1-1/2"-8"	\$468.00/PC
5001-0002	2mm-A	0.0782-0.0791	1/8"x5"	0	13/64"-1-1/8"	\$36.00/PC
5001-0004	3mm-A	0.1176-0.1185	1/8"x5"	1	13/64"-1-1/8"	\$36.00/PC
5001-0006	4mm-B	0.1569-0.1579	1/4"x6-3/4"	1	19/64"-1-11/16"	\$40.00/PC
5001-0008	5mm-B	0.1963-0.1972	1/4"x6-3/4"	1	19/64"-1-11/16"	\$40.00/PC
5001-0010	5mm-C	0.1963-0.1972	3/8"x11-3/4"	1	25/46"-2-1/2"	\$50.00/PC
5001-0012	6mm-C	0.2356-0.2366	3/8"x11-3/4"	1	25/46"-2-1/2"	\$50.00/PC
5001-0014	8mm-C	0.3143-0.3155	3/8"x11-3/4"	2	25/46"-2-1/2"	\$50.00/PC
5001-0016	10mm-D	0.3930-0.3942	9/16"x13-7/8"	2	1-6"	\$108.00/PC
5001-0018	12mm-D	0.4716-0.4730	9/16"x13-7/8"	2	1-6"	\$108.00/PC
5001-0020	14mm-D	0.5503-0.5517	9/16"x13-7/8"	2	1-6"	\$108.00/PC
5001-0022	16mm-E	0.6290-0.6304	3/4"x15-1/2"	3	1-6"	\$166.00/PC
5001-0024	18mm-E	0.7078-0.7092	3/4"x15-1/2"	3	1-6"	\$166.00/PC
5001-0026	20mm-F	0.7864-0.7880	1"x20-1/4"	3	1-6"	\$260.00/PC
5001-0028	22mm-F	0.8651-0.8667	1"x20-1/4"	4	1-6"	\$260.00/PC
5001-0030	24mm-F	0.9434-0.9455	1"x20-1/4"	5	1-6"	\$260.00/PC
5001-0032	25mm-F	0.9832-0.9848	1"x20-1/4"	4	1-6"	\$260.00/PC