

Full Square Broaches — Inch



- Used to machine internal and external surfaces, such as holes, keyways, and teeth of internal gears
- Designed to be used manually with an arbor press to produce the square holes
- Well suited for use in a variety of ferrous and non-ferrous materials



Square Size	Tol.	Broach Length	Pilot Dia.	Cut Length Min/Max	Hassay EDP No.	Code No.	Price \$
3/16	0.1880 - 0.1890	6-1/4	0.1870	3/16-1/2	14012	182550	565.76
1/4	0.2505 - 0.2515	8-5/8	0.2495	1/4-5/8	14016	182552	565.76
5/16	0.3130 - 0.3140	10-1/4	0.3120	1/4-3/4	14020	182554	598.78
3/8	0.3755 - 0.3765	12-1/4	0.3745	3/8-1	14024	182556	739.97
1/2	0.5005 - 0.5015	14-7/16	0.4995	3/8-1	14032	182558	1,082.33

Hexagon Broaches



- For cutting hexagonal shaped holes in round machined holes
- Designed to be used manually with an arbor press or hydraulic press
- Well suited for use in a variety of ferrous and non-ferrous materials



Hex Broach	Tol.	Broach Length	Pilot Dia.	Cut Length Min/Max	Hassay EDP No.	Code No.	Price \$
Inch							
1/8	0.1255 - 0.1260	4-5/8	0.1245	3/16-3/8	12008	182590	334.46
5/32	0.1565 - 0.1570	5-1/2	0.1557	1/4-1/2	12010	182594	386.53
3/16	0.1880 - 0.1890	5-9/16	0.1870	1/4-5/8	12012	182596	355.61
7/32	0.2190 - 0.2200	6	0.2182	1/4-3/4	12014	182598	424.44
1/4	0.2505 - 0.2515	6-1/2	0.2495	1/4-3/4	12016	182600	355.61
9/32	0.2815 - 0.2825	7-3/4	0.2807	3/8-1	12018	182602	446.18
5/16	0.3130 - 0.3140	8-1/4	0.3120	3/8-1	12020	182604	372.47
11/32	0.3440 - 0.3450	8-1/4	0.3432	3/8-1-1/4	12022	182606	545.13
3/8	0.3755 - 0.3765	9	0.3745	3/8-1-1/4	12024	182608	442.19
13/32	0.4065 - 0.4075	10	0.4057	1/2-1-3/8	12026	182610	658.95
7/16	0.4385 - 0.4395	10-3/4	0.4370	1/2-1-3/8	12028	182612	557.30
15/32	0.4690 - 0.4700	12-3/8	0.4682	1/2-1-3/8	12030	182614	795.21
1/2	0.5005 - 0.5015	12-1/2	0.4995	1/2-1-3/8	12032	182616	649.77
9/16	0.5630 - 0.5640	14-1/4	0.5620	1/2-1-1/2	12036	182618	794.81
5/8	0.6260 - 0.6270	16-7/8	0.6245	5/8-1-5/8	12040	182620	912.81
11/16	0.6880 - 0.6890	17	0.6870	5/8-1-5/8	12044	182622	1,008.07
3/4	0.7510 - 0.7520	17-7/8	0.7495	5/8-1-5/8	12048	182624	1,064.13
7/8	0.8755 - 0.8765	18-7/8	0.8745	5/8-1-5/8	12056	182626	1,673.11
1	1.0020 - 1.0030	19-7/8	0.9995	5/8-1-5/8	12064	182628	1,754.60
Metric							
4mm	0.1580-0.1585	5-1/2	0.1575	1/4-1/2	12104	182640	809.87
5mm	0.1973-0.1983	6	0.1968	1/4-3/4	12105	182642	848.57
6mm	0.2367-0.2377	6-1/2	0.2362	1/4-3/4	12106	182644	883.98
7mm	0.2760-0.2770	7-3/4	0.2756	3/8-1	12107	182646	1,005.48
8mm	0.3155-0.3165	8-1/4	0.3150	3/8-1	12108	182648	1,002.79
10mm	0.3942-0.3952	10	0.3937	1/2-1-3/8	12110	182650	1,246.08
12mm	0.4729-0.4739	12-3/8	0.4724	1/2-1-3/8	12112	182652	1,306.92
14mm	0.5517-0.5527	14-1/4	0.5512	1/2-1-1/2	12114	182654	1,566.47
16mm	0.6310-0.6320	16-7/8	0.6290	5/8-1-5/8	12116	182656	1,726.67
18mm	0.7092-0.7102	17	0.7087	5/8-1-5/8	12118	182658	2,082.98
20mm	0.7879-0.7889	17-7/8	0.7874	5/8-1-5/8	12120	182660	2,285.17
22mm	0.8666-0.8676	18-7/8	0.8661	5/8-1-5/8	12122	182662	2,352.30
24mm	0.9454-0.9464	19-7/8	0.9449	5/8-1-5/8	12124	182664	2,526.67
25mm	0.9848-0.9858	19-7/8	0.9842	5/8-1-5/8	12125	182666	2,543.23

Keyseating Broaches



- Side relief eliminates drag in multiple-pass broaching
- Precision grinding of the rake face insures consistent performance and free cutting action after several sharpenings
- An undercut pilot allows easier entry on each pass



Broach Size	Keyway Width Tol.	Dim. WxHxL	Cut Length Min/Max	Hassay EDP No.	Code No.	Price \$
Inch						
1/16	0.0625-0.0635	3/16 x 3/8 x 16	5/8-1-7/8	10701	182670	484.39
3/32	0.0937-0.0947	3/16 x 3/8 x 16	5/8-1-7/8	10702	182672	484.39
1/8	0.1252-0.1262	3/16 x 7/16 x 16	5/8-1-7/8	10703	182674	484.39
5/32	0.1564-0.1574	3/16 x 1/2 x 16	5/8-1-7/8	10704	182676	484.39
3/16	0.1877-0.1887	3/16 x 9/16 x 16	5/8-1-7/8	10705	182678	508.33
3/16	0.1877-0.1887	3/16 x 3/4 x 20	5/8-3-1/8	10706	182680	563.99
1/4	0.2502-0.2512	1/4 x 3/4 x 16	5/8-1-5/8	10707	182682	544.44
1/4	0.2502-0.2512	1/4 x 3/4 x 20	5/8-3-1/8	10708	182684	613.86
5/16	0.3127-0.3137	5/16 x 7/8 x 16	1-1/16-3-3/16	10709	182686	572.96
5/16	0.3127-0.3137	5/16 x 7/8 x 20	1-1/16-5-3/16	10710	182688	640.20
3/8	0.3755-0.3765	3/8 x 7/8 x 16	1-1/16-3-3/16	10711	182690	601.89
3/8	0.3755-0.3765	3/8 x 7/8 x 20	1-1/16-5-5/16	10712	182692	700.05
7/16	0.4380-0.4390	7/16 x 1 x 16	1-1/16-3-3/16	10713	182694	899.15
7/16	0.4380-0.4390	7/16 x 1 x 20	1-1/16-5-3/16	10714	182696	731.37
1/2	0.5006-0.5016	1/2 x 1 x 20	1-1/16-5-3/16	10715	182698	750.32
9/16	0.5630-0.5640	9/16 x 1 x 20	1-1/16-5-3/16	10716	182700	810.37
5/8	0.6260-0.6270	5/8 x 1 x 20	1-1/16-5-3/16	10717	182702	827.13
3/4	0.7515-0.7525	3/4 x 1 x 20	1-1/16-5-3/16	10718	182704	901.34
7/8	0.8765-0.8775	7/8 x 1 x 20	1-1/16-5-3/16	10719	182706	1,071.71
1	1.0015-1.0025	1 x 1 x 20	1-1/16-5-3/16	10720	182708	1,114.81
Metric						
2mm	0.0787-0.0792	3/16 x 3/8 x 16	5/8-1-7/8	11701	182710	530.07
3mm	0.1181-0.1186	3/16 x 7/16 x 16	5/8-1-7/8	11702	182712	530.07
4mm	0.1575-0.1580	3/16 x 1/2 x 16	5/8-1-7/8	11703	182714	537.25
5mm	0.1968-0.1973	5mm x 9/16 x 16	5/8-1-7/8	11704	182716	537.25
5mm	0.1968-0.1973	5mm x 3/4 x 20	5/8-3-1/8	11705	182718	626.03
6mm	0.2362-0.2367	6mm x 3/16 x 16	5/8-1-7/8	11706	182720	563.39
6mm	0.2362-0.2367	6mm x 3/4 x 20	5/8-3-1/8	11707	182722	630.62
8mm	0.3150-0.3155	8mm x 7/8 x 20	1-1/16-3-3/16	11708	182724	589.72
8mm	0.3150-0.3155	8mm x 7/8 x 20	1-1/16-5-5/16	11709	182726	685.68
10mm	0.3937-0.3942	10mm x 7/8 x 16	1-1/16-5-5/16	11710	182728	652.66
10mm	0.3937-0.3942	10mm x 7/8 x 20	1-1/16-5-5/16	11711	182730	750.32
12mm	0.4724-0.4730	12mm x 1 x 20	1-1/16-5-5/16	11712	182732	839.10
14mm	0.5512-0.5519	14mm x 1 x 20	1-1/16-5-5/16	11713	182734	899.15
16mm	0.6299-0.6306	16mm x 1 x 20	1-1/16-5-5/16	11714	182736	973.36
18mm	0.7087-0.7093	18mm x 1 x 20	1-1/16-5-5/16	11715	182738	1,052.56
20mm	0.7874-0.7883	20mm x 1 x 20	1-1/16-5-5/16	11716	182740	1,136.55
22mm	0.8661-0.8669	22mm x 1 x 20	1-1/16-5-5/16	11717	182742	1,208.37
24mm	0.9449-0.9458	24mm x 1 x 20	1-1/16-5-5/16	11718	182744	1,294.56
25mm	0.9843-0.9853	25mm x 1 x 20	1-1/16-5-5/16	11719	182746	1,328.27

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