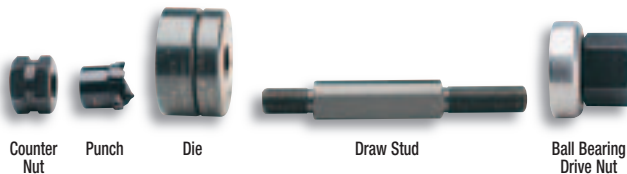
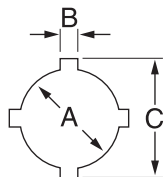


SPECIAL APPLICATION PUNCHES

Oiltight Punches with Notches

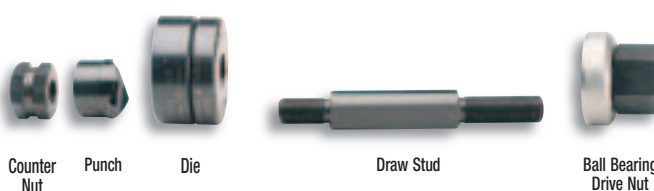
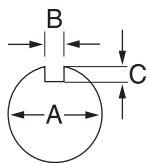
Other oiltight sizes without notches available in standard, Slug-Buster® and Slug-Splitter® designs.



HOLE SIZE						MAXIMUM CAPACITY MILD STEEL		OPERATION TYPE	CAT./UPC NO.						MINIMUM PILOT HOLE Ø		WEIGHT		OPTIONAL ADAPTER FOR HYDRAULIC DRIVERS
INCH			mm			GA	mm		PUNCH UNIT (INCLUDES PUNCH, DIE, DRAW STUD AND NUTS)	PUNCH	DIE	DRAW STUD	BB DRIVE NUT	COUNTER NUT	INCH	mm	LBS.	kg.	
.875	.125	1.000	22.5	3.2	25.4	14	2.0	Hand/Hydr.	60238	60239	60250	60117	60165	60258	.625	15.9	2.1	.95	60167◇
1.210	.190	1.380	30.5	4.8	36.0	10	3.5	Hand/Hydr.	60242	60243	60249	60117	60165	60258	.625	15.9	2.7	1.2	60167◇

For maximum draw stud life, Greenlee recommends the use of battery or hydraulic drivers.

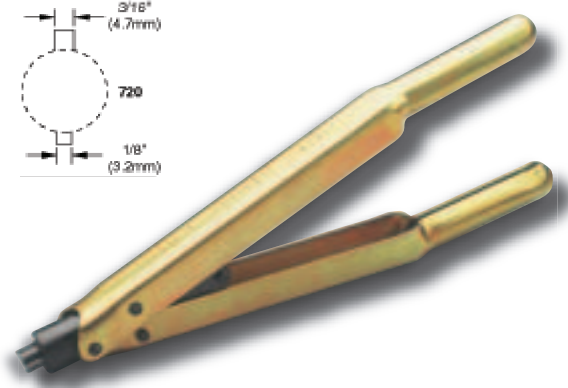
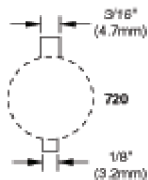
Key Punches



HOLE SIZE						MAXIMUM CAPACITY MILD STEEL		OPERATION TYPE	CAT./UPC NO.						MINIMUM PILOT HOLE Ø		WEIGHT		OPTIONAL ADAPTER FOR HYDRAULIC DRIVERS
INCH			mm			GA	mm		PUNCH UNIT (INCLUDES PUNCH, DIE, DRAW STUD AND NUTS)	PUNCH	DIE	DRAW STUD	BB DRIVE NUT	COUNTER NUT	INCH	mm	LBS.	kg.	
0.481 Ø	0.055	.030	12.2 Ø	1.4	.8	16	1.5	Hand/Hydr.	60101	60102	60103	60115	60120	05244	.375	9.5	.88	.4	60114◇
1.171 Ø	0.123	.097	29.7 Ø	3.1	2.5	14	2.0	Hand/Hydr.	60104	60105	60106	60166	60165	60258	.875	23.8	2.3	1.0	60167◇
1.265 Ø	0.156	.097	32.1 Ø	4.0	2.5	14	2.0	Hand/Hydr.	60107	60108	60109	60166	60165	60258	.875	23.8	2.4	1.1	60167◇
1.328 Ø	0.102	.097	33.7 Ø	2.6	2.5	14	2.0	Hand/Hydr.	60110	60111	60112	60166	60165	60258	.875	23.8	2.4	1.1	60167◇

◇ For use with any Greenlee Hydraulic Driver or Battery-Powered Driver. For maximum draw stud life, Greenlee recommends the use of battery or hydraulic drivers.

720 Keyway Punch

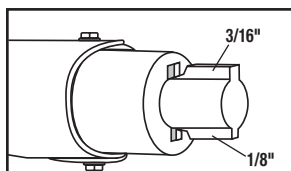


- Eliminates time-consuming hand sawing and filing when making keyways for push-button switches.
- Use as a nibbler to make wider or deeper keyways.
- Punches 1/8" (3.2 mm) or 3/16" (4.8 mm) keyways for 7/8" (22.5 mm) or 1-7/32" (30.5 mm) push-button holes.
- Patented – U.S. Patent No. 4,375,128; Canadian Patent No. 1,172,435.

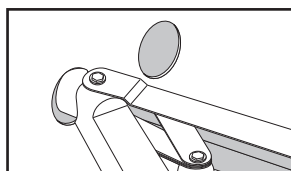
CAT. NO.	UPC NO.	DESCRIPTION	WEIGHT LBS. kg.
720	26534	Keyway Punch	2.8 1.27
	26536	Punch	
	26538	Die	

SPECIFICATIONS

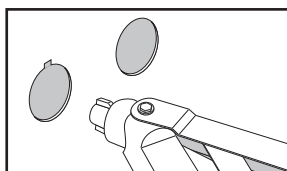
Operation	Manual
Capacity	10 gauge (3.5 mm) mild steel



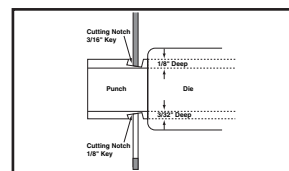
1. Locate proper cutting notch on the cutting head.



2. Place cutting notch inside edge of hole and cut keyway.



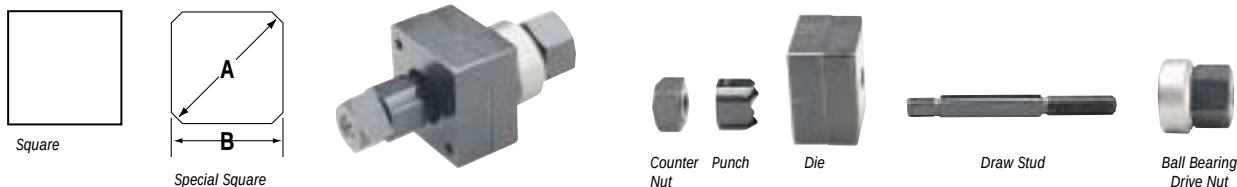
3. Withdraw the punch.



4. Use as a nibbler to make wider or deeper keyways.



Square and Special Square Punches

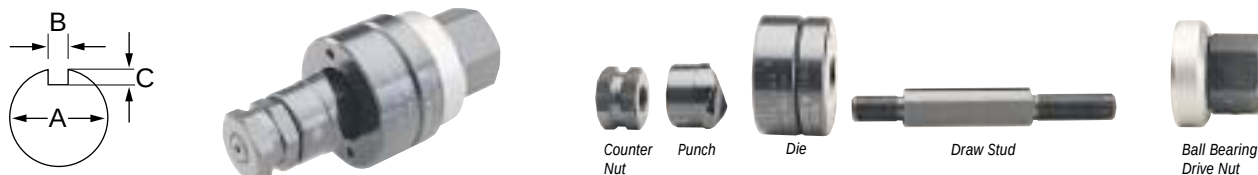


Hole Size			Maximum Capacity Mild Steel		Operation Type	Cat./UPC No.						Minimum Pilot Hole Ø		Weight		Optional Adapter for Hydraulic Drivers
						Punch Unit (Includes Punch, Die and Draw Stud)	Punch	Die	Draw Stud	BB Drive Nut	Counter Nut					
Inch		mm	GA	mm								Inch	mm	lbs.	kg	
1/2"	0.500 x 0.500	12.7 x 12.7	16	1.5	♦Hand/Hydr.	60001	60002	60003	60115	60120	05244	.375	9.5	1.1	.50	60114♦
5/8"	0.625 x 0.625	15.9 x 15.9	14	2.0	♦Hand/Hydr.	60004	60005	60006	60116	34733	04638	.500	12.7	1.5	.68	33967♦
3/4"	0.750 x 0.750	19.1 x 19.1	14	2.0	♦Hand/Hydr.	60007	60008	60009	60116	34733	04638	.500	12.7	1.5	.68	33967♦
7/8"	0.882 x 0.882	22.4 x 22.4	14	2.0	♦Hand/Hydr.	60259	60011	60012	60116	34733	04638	.500	12.7	1.8	.82	33967♦
	0.945 x 0.945	24.0 x 24.0	14	2.0	♦Hand/Hydr.	60013	60014	60015	60116	34733	04638	.500	12.7	2.3	1.0	33967♦
1"	1.000 x 1.000	25.4 x 25.4	14	2.0	♦Hand/Hydr.	60016	60017	60018	60117	60165	60258	.625	15.9	2.4	1.1	60167♦
	1.772 x 1.772	45.0 x 45.0	10	3.5	♦Hydr. Only	60287	60288	60289	60118	-	60235	1.188	30.2	6.0	2.7	♦
1-13/16"	1.811 x 1.811	46.0 x 46.0	10	3.5	♦Hydr. Only	60019	60020	60021	60118	-	60235	1.188	30.2	6.2	2.8	♦
2"	2.000 x 2.000	50.8 x 50.8	10	3.5	♦Hydr. Only	60168	60169	60170	60118	-	60235	1.188	30.2	6.9	3.1	♦
2-11/16"	2.677 x 2.677	68.0 x 68.0	10	3.5	♦Hydr. Only	60171	60172	60173	60118	-	60235	1.188	30.2	10.1	4.6	♦
3-5/8"	3.622 x 3.622	92.0 x 92.0	10	3.5	*Hydr. Only	60174	60175	60176	60118	-	60235	1.188	30.2	14.8	6.7	*
4-1/8"	4.125 x 4.125	104.8 x 104.8	10	3.5	*Hydr. Only	60177	60178	60179	60118	-	60235	1.188	30.2	18.8	8.5	*
	5.433 x 5.433	138.0 x 138.0	14	2.0	*Hydr. Only	60234	60023	60024	60118	-	60235	1.188	30.2	20	9.1	*
SPECIAL SQUARE																
0.886(A)	0.791(B)	22.5 Ø(A) 20.1(B)	14	2.0	Hand/Hydr.	60125	60126	60127	60116	34733	04638	.500	12.7	.7	.3	33967

*For use with with Hand and Foot Pump Hydraulic Drivers with Ram
♦ For use with any Greenlee Hydraulic Driver, or Battery-Powered Driver

For maximum draw stud life, Greenlee recommends the use of battery or hydraulic drivers

Key Punches



Hole Size						Maximum Capacity Mild Steel		Operation Type	Cat./UPC No.						Minimum Pilot Hole Ø		Weight		Optional Adapter for Hydraulic Drivers
									Punch Unit (Includes Punch, Die and Draw Stud)	Punch	Die	Draw Stud	BB Drive Nut	Counter Nut					
A	B	C	A	B	C	GA	mm								Inch	mm	lbs.	kg	
0.481 Ø	0.055	.030	12.2 Ø	1.4	.8	16	1.5	Hand/Hydr.	60101	60102	60103	60115	60120	05244	.375	9.5	.88	.4	60114♦
1.171 Ø	0.123	.097	29.7 Ø	3.1	2.5	14	2.0	Hand/Hydr.	60104	60105	60106	60166	60165	60258	.875	23.8	2.3	1.0	60167♦
1.265 Ø	0.156	.097	32.1 Ø	4.0	2.5	14	2.0	Hand/Hydr.	60107	60108	60109	60166	60165	60258	.875	23.8	2.4	1.1	60167♦
1.328 Ø	0.102	.097	33.7 Ø	2.6	2.5	14	2.0	Hand/Hydr.	60110	60111	60112	60166	60165	60258	.875	23.8	2.4	1.1	60167♦

♦ For use with any Greenlee Hydraulic Driver or Battery-Powered Driver

For maximum draw stud life, Greenlee recommends the use of battery or hydraulic drivers

"D" Punches



Hole Size				Maximum Capacity Mild Steel		Operation Type	Cat./UPC No.						Minimum Pilot Hole Ø		Weight		Optional Adapter for Hydraulic Drivers
							Punch Unit (Includes Punch, Die and Draw Stud)	Punch	Die	Draw Stud	BB Drive Nut	Counter Nut					
A	B	A	B	GA	mm								Inch	mm	lbs.	kg	
0.500 Ø	0.469	12.7 Ø	11.9	16	2.0	Hand/Hydr.	60077	60078	60079	60115	60120	05244	.375	9.5	.9	.41	60114♦
0.625 Ø	0.594	15.9 Ø	15.1	14	2.0	Hand/Hydr.	60080	60081	60082	60113	34733	04638	.500	12.7	1.1	.50	33967♦
0.750 Ø	0.703	19.1 Ø	17.9	14	2.0	Hand/Hydr.	60083	60084	60085	60113	34733	04638	.500	12.7	1.2	.50	33967♦

♦ For use with any Greenlee Hydraulic Driver or Battery-Powered Driver

For maximum draw stud life, Greenlee recommends the use of battery or hydraulic drivers