

TOOLS

WRENCHES, SOCKET SCREW—DESCRIPTION

1. GENERAL

1.01 This section covers Bell System coded and noncoded socket screw wrenches.

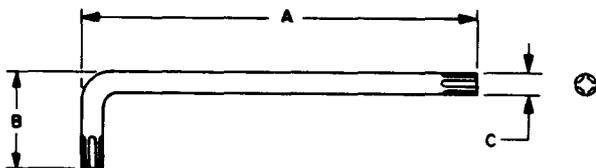
1.02 This section is reissued to add the C Key Kit (AT-8032). The Equipment Test List is not affected.

1.03 The information contained in this section supersedes the corresponding information in Sections 074-107-101, 074-137-101, and 074-870-101.

1.04 See tool index for other Wrench practices.

2. DESCRIPTION OF TOOLS

294
295
296



Bristol Set Screw Wrenches.

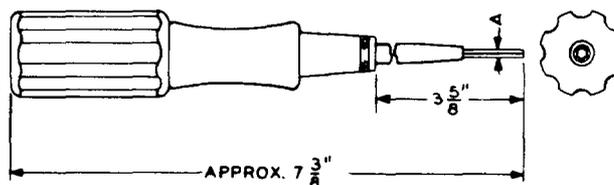
Wrench	No. of Flutes	For Size Set Screw	Dimensions (Inches)		
			A	B	C
294	4	1/4	2-5/16	7/8	.125
295	4	5/16	2-19/32	31/32	.172
296	6	3/8	2-55/64	1-1/16	.219

The 294 is for use on reciprocating bar-type interrupters.

The 295 is for general use.

The 296 is for use on gear reduction and friction roll drives.

643A
643B

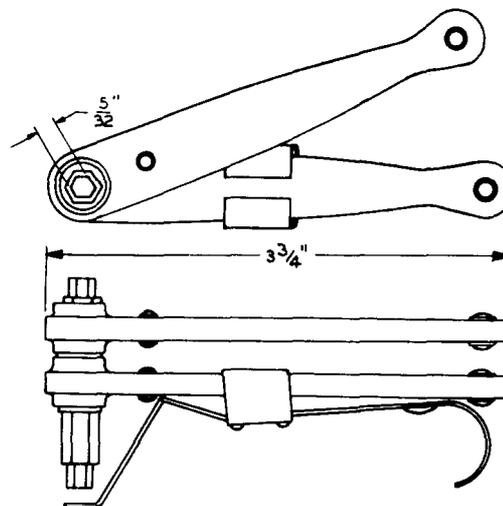


Wrenches for Hex Socket-Head Screws

Wrench	Dim. A (Inches)	Screw Size
643A	.062	No. 5 and 6
643B	.078	No. 8

Replace the D-176938 and D-176939 tools, respectively. For use on the KS-13882 perforators.

644A



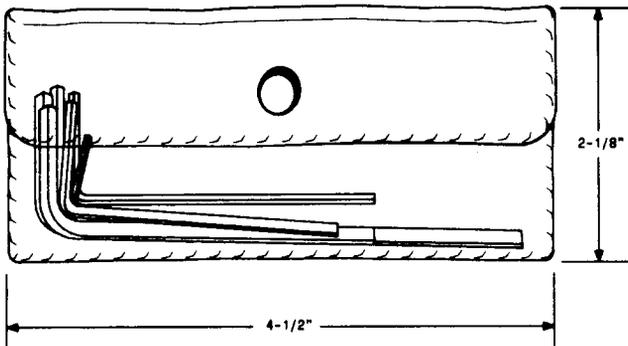
Ratchet Wrench for 5/32-Inch Socket-Head Screws.

Replaces the D-176940 tool. For use on the KS-13882 perforators.

NOTICE

Not for use or disclosure outside the Bell System except under written agreement

C KEY KIT (AT-8032)



This kit consists of a plastic envelope containing one each of the following sizes of hexagonal socket keys. The keys are for use in turning hexagonal socket set screws and hexagonal socket head cap screws.

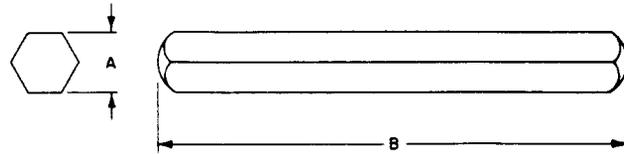
KEY SIZES WIDTH ACROSS FLATS	SET SCREW NO.	CAP SCREW NO.
.050	3, 4	0, 1
1/16	5, 6	2
5/64	8	3, 4
3/32	10, 12	5, 6
7/64	—	6
1/8	1/4	8
9/64	—	8
5/32*	5/16	10, 12
3/16	3/8	1/4
1/4**	—	—
5/16**	—	—

* The 5/32 key may also be used with threftproof screws. It has a 0.0995-inch hole, 3/16 inch deep at each end.

** Used to change components of the AT-8900 C Drill-driver.

WRENCHES, SOCKET-HEAD SCREW, STRAIGHT

In ordering, specify wrench number desired.



Wrench	Set Screw (Inches)	Cap Screw		Dimensions (Inches)	
		*Before 1960 Change	*After 1960 Change	A	B
R-2967	1/4	No. 8	—	1/8	3,4,5
R-2968	5/16	No. 10	No. 10	5/32	3,4,5
R-2970	1/2	—	5/16"	1/4	4,5,6
R-3449	—	—	No. 8	9/64	5

*During 1960 changes were made in the socket dimensions of certain socket head cap screws. In some cases the use of different wrenches is required for hexagon head cap screws of the same nominal size manufactured before and after the change was introduced.

Each wrench consists of a T-handle, a 1/16-inch set-screw wrench, and three straight wrenches. For use on the KS-13834 perforator and 1-type translators.

WRENCHES, SOCKET-HEAD SCREW

In ordering, specify wrench size desired. This wrench is the same type as those listed under Socket-Head Screw Wrenches.

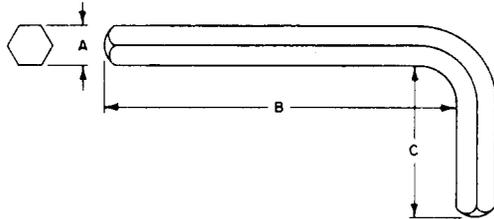
Wrench Size Dim. A (In.)	Set Screw (In.)	Cap Screw		Dimensions (Inches)	
		*Before 1960 Change (Inches)	*After 1960 Change	B	C
9/16	1	3/4	—	5-3/4	1-3/4
	1-1/8	7/8			
5/8	—	—	3/4	6-1/4	1-7/8
3/4	—	—	7/8	7-1/4	2-1/8

*During 1960 changes were made in the socket dimensions of certain socket head cap screws. In some cases the use of different wrenches is required for hexagon head cap screws of the same nominal size manufactured before and after the change was introduced.

For use on motor alternators.

WRENCH, SOCKET-HEAD SCREW

In ordering, specify wrench number desired.



Wrench	Set Screw	Cap Screw		Dimensions (Inches)		
		*Before 1960 Change	*After 1960 Change	A	B	C
R-2485	5/16"	No. 10	No. 10	5/32	2-1/2	27/32
R-2486	5/8"	3/8" 7/16"	3/8"	5/16	3-3/4	1-1/4
R-2670	No. 10	No. 5 No. 6	No. 4 No. 5	3/32	2	21/32
R-2671	1/4"	No. 8	—	1/8	2-1/4	3/4
R-2672	1/2"	—	5/16"	1/4	3-1/4	1-1/8
R-2673	3/4"	1/2"	7/16" 1/2"	3/8	4-1/4	1-3/8
R-2812	3/8"	1/4"	1/4"	3/16	2-3/4	15/16
R-2865	1/2"	—	5/16"	1/4	3-1/4	4
R-2958	No. 8	No. 3 No. 4	No. 2 No. 3	5/64	1-7/8	39/64
R-2959	No. 5 No. 6	No. 2	No. 1	1/16	1-3/4	9/16
R-2961	No. 3 No. 4	No. 0 No. 1	No. 0	.050	1-3/4	9/16
R-2964	7/16"	5/16"	—	7/32	3	1-1/32
R-3415	—	—	No. 6	7/64	2-1/8	23/32
R-3416	—	—	No. 8	9/64	2-3/8	13/16
P-431479	5/16"	No. 10	No. 10	5/32	2-15/32	9/32

*During 1960 changes were made in the socket dimensions of certain socket head cap screws. In some cases the use of different wrenches is required for hexagon head cap screws of the same nominal size manufactured before and after the change was introduced.

The R-2485 wrench is for use on multifrequency motor generator sets.

The R-2486, R-2670, R-2672, R-2673, R-2865, R-3415, and R-3416 wrenches are for general use.

The R-2671 wrench is for use on pneumatic ticket distributing systems.

The R-2812 wrench is for use on panel friction drives, gear reduction drives, and miscellaneous brackets.

The R-2958 wrench is for use on apparatus in the AMA System, KS-14156 switchboard clock, and 8-type buzzers.

The R-2959 wrench is for use on 8-type buzzers, the 531A key, the KS-13834 perforator, and timers of the automatic ticketing system.

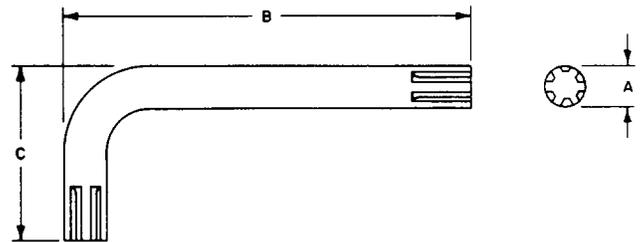
The R-2961 wrench is for use on timers of the automatic ticketing system.

The R-2964 wrench is for use on couplings of large motor generator sets.

The P-431479 wrench is for use on J2 carrier telephone condenser drives.

WRENCHES, BRISTOL

In ordering, specify set screw. When ordering a wrench for the No. 10 or 5/16-inch set screw with four flutes, specify a four-flute wrench; otherwise, a six-flute wrench will be furnished.

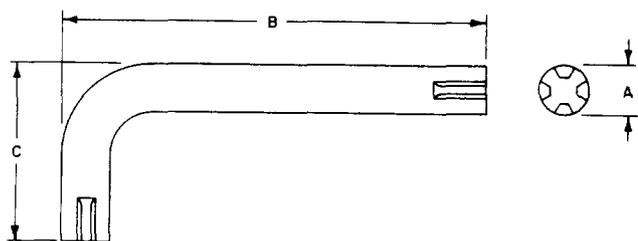


Set Screw	Dimensions (Inches)			Flutes
	A	B	C	
No. 4	0.060	1-3/4	5/8	6
No. 6	0.076	1-27/32	21/32	4
No. 8	0.094	1-31/32	45/64	6
No. 10	0.110	2-3/32	3/4	4 or 6
5/16"	0.183	2-19/32	15/16	4 or 6

For general use.

WRENCHES

In ordering, specify wrench number desired.



Bristol Wrenches.

Wrench	Set Screw	Dimensions (Inches)			Flutes
		A	B	C	
KS-6098	No. 8	0.094	1-31/32	45/64	4
R-2653	No. 5	0.069	1-27/32	21/32	4

For general use.