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**BRISTOL
WRENCH**

SPLINE WRENCH SIZE		L-KEYS Short Arm Style		L-KEYS Long Arm Style		SCREWDRIVERS with replaceable bit		BITS Replaceable		SCREW COMPATIBILITY (Table of screw sizes typically used with listed wrench size)							
Wrench Major Diameter	# of Flutes	Part #	B length	C length	Part #	B length	C length	Part #	Handle length	Bit length	Part #	Std. length	Optional length	Set Screws	Cap Screws	Flat Head Caps	Button Head Caps
.033	4	S-033-4	.218	1.218	-----			DS-033-4	2 1/2	2	B-033-4	2	3	# 0-1	---	---	---
.048	4	S-048-4	.344	1.218	S-048-4L	.344	3.094	DS-048-4	2 1/2	3	B-048-4	3	4	# 2-3	---	---	---
.048	6	S-048-6	.344	1.218	S-048-6L	.344	3.094	DS-048-6	2 1/2	3	B-048-6	3	4	# 2-3	---	# 0	# 0
.060	6	S-060-6	.531	1.656	S-060-6L	.531	3.094	DS-060-6	3	3	B-060-6	3	4	# 4	# 0	# 1-2	# 1-2
.069	4	S-069-4	.562	1.750	S-069-4L	.562	3.094	DS-069-4	3	3	B-069-4	3	4	# 5	---	---	---
.072	6	S-072-6	.562	1.750	S-072-6L	.562	3.094	DS-072-6	3	3	B-072-6	3	4	# 5-6	# 1	# 3-4	# 3-4
.076	4	S-076-4	.562	1.750	S-076-4L	.562	3.094	DS-076-4	3	3	B-076-4	3	4	# 6	---	---	---
.096	6	S-096-6	.609	1.875	S-096-6L	.609	3.094	DS-096-6	3	3	B-096-6	3	4	# 8	# 2-3	# 5-6	# 5-6
.111	6	S-111-6	.656	2.000	S-111-6L	.656	3.344	DS-111-6	3	3	B-111-6	3	4 & 5	# 10	# 4-5	# 8	# 8
.133	6	S-133-6	.703	2.125	S-133-6L	.703	3.562	DS-133-6	3	3	B-133-6	3	4 & 5	---	# 6	---	---
.145	6	S-145-6	.750	2.250	S-145-6L	.750	3.750	DS-145-6	3	3	B-145-6	3	4 & 5	1/4	---	# 10	# 10
.168	6	S-168-6	.797	2.375	S-168-6L	.797	3.937				B-168-6	4	5	---	# 8	---	---
.183	6	S-183-6	.844	2.500	S-183-6L	.844	4.125				B-183-6	4	5	5/16	# 10	1/4	1/4
.216	6	S-216-6	.937	2.750	S-216-6L	.937	4.500	Industrial T-Drivers with cast iron handles are available in			B-216-6	5	6	3/8	1/4	5/16	5/16
.216 OS	6	S-216-OS	.937	2.750	S-216-OSL	.937	4.500	in some sizes.			B-216-OS	5	6	(Deep spline plugs & screws)			
.251	6	S-251-6	1.031	3.000	S-251-6L	1.031	4.875				B-251-6	5	6	7/16	---	3/8	3/8
.291	6	S-291-6	1.125	3.250	S-291-6L	1.125	5.250				B-291-6	5	6	1/2	5/16	7/16	7/16
.372	6	S-372-6	1.250	3.750	S-372-6L	1.250	6.000				B-372-6	6	7	5/8	3/8	1/2	1/2
.454	6	S-454-6	1.375	4.250	S-454-6L	1.375	6.750				B-454-6	6	7	3/4	7/16-1/2	5/8-3/4	5/8
.595	6	S-595-6	1.625	5.250	-----						-----			7/8	5/8	---	---

NOTES:

The table above lists commonly requested spline key & bit lengths. Dimensions are in inches.
The column "# of flutes" indicates the number of splines on the wrench. Usual number of flutes is 6, but some diameters come with 4 flutes.
We stock many standards and specials, and we make-to-order many custom jobs with special lengths and/or finishes.

**BRISTOL SPLINE
L-KEY KITS**



KIT PART #	DESCRIPTION
SS-408	10 short arm keys: S-060-6 thru S-183-6
SS-507	7 short arm keys: S-060-6, S-069-4, S-072-6 S-096-6, S-111-6, S-145-6, S-183-6
SS-508	9 short arm keys: S-033-4 thru S-111-6
SL-607	7 long arm keys: S-096-6L thru S-216-6L

NOTE:
List includes commonly requested kits; custom kits are also available.

The Bristol Spline Drive

Developed by Bristol, the multiple spline drive system is recognized by design engineers as the superior method of transmitting torque because nearly 100% of wrenching force is applied at right angles to the load bearing spline surfaces of the socket. Other drive systems dissipate a significant amount of force into radial thrust, tending to expand the socket rather than tighten the screw.

The substantial and effective wrench engagement inherent in the Bristol design addresses the problems caused by other fastening systems such as cam-out, socket reaming and "rounding" of wrenches.

Decades ago, Bristol engineers invented the Bristol Spline Drive System for use in electromechanical instruments. They required screws and wrenches that could stand up to industrial environments, vibrations, and frequent removal and resetting. Bristol wrenches have been in continuous production in the United States since their original introduction.