

# Bristol Wrench Co. - Bristol Spline Wrenches

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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	DS-168-6	3	4	B-168-6	4	5	# 8			
.183	6	S-183-6	.844	2.500	S-183-6L	.844	4.125	DS-183-6	3	5	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 some sizes.			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		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:

Above table lists commonly requested spline key & bit lengths. These may or may not be in stock. We stock many standards & specials and we make-to-order. Dimensions are in inches. Column "# of flutes" indicates the number of splines on the wrench. Usual number of flutes is 6, but some diameters come with 4 flutes. All information is subject to correction or modification. Please contact us with questions or requirements.

## Bristol Spline L-Key Kits



### Kit Part #

### Keys contained in vinyl pouch

SS-408	10 short-arm keys:	S-060-6 through 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 through S-111-6 (see listing above) - this is our most popular kit.
SL-607	7 long-arm keys:	S-096-6L through S-216-6L

NOTE: This list includes kits typically in stock or available with short leadtime. Contact us for quotes on other kits.

## 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.

Bristol Wrench Co. stocks many standard and special spline wrenches, and we also make-to-order. Please contact us with your requirements.

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