

Steel Grades

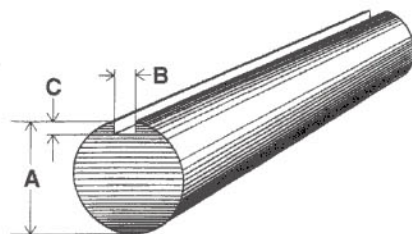
General Information Sheet

GENERAL PURPOSE 1018	STRENGTH	LENGTHS
1018 STEEL SHAFTS ARE USED FOR MOST INDUSTRIAL APPLICATIONS 1/4" TO 4-1/2" DIA. FULL KEYED AND PLAIN	TENSILE 78,000 PSI YIELD 63,000 PSI HARDNESS ROCKWELL B86	ANY UP TO 12 FT.
STAINLESS STEEL 303		
ACCURACY STOCK TURNED, GROUND AND POLISHED 1/4" TO 2-7/16" DIA. FULL KEYED AND PLAIN	TENSILE 100,000 PSI YIELD 60,000 PSI HARDNESS ROCKWELL B89-C35	ANY UP TO 12FT.
TURNED, GROUND & POLISHED 1045 STEEL		
A STRONGER AND MORE PRECISION SHAFT 1/2" TO 3" DIA. FULL KEYED AND PLAIN	TENSILE 109,000 PSI YIELD 92,000 PSI HARDNESS ROCKWELL B97	ANY UP TO 24 FT.
STRESSPROOF		
PRODUCT OF LaSALLE STEEL CO. A MODIFIED 1144 STEEL USED TO RESIST ABRASION WEAR SUCH AS A SHAFT RUNNING IN SAND 1/2" TO 2-15/16" DIA. FULL KEYED AND PLAIN	TENSILE 132,000 PSI YIELD 100,000 PSI WEARABILITY WITHOUT CASE HARDENING HARDNESS RC23	ANY UP TO 12 FT.
HEX SHAFTS 1215 STEEL		
15 DIAMETERS UP TO 1-1/4" USED WITH CONVEYOR ROLLERS AVAILABLE UP TO 3" DIAMETER	TENSILE 82,000 PSI YIELD 72,000 PSI HARDNESS ROCKWELL B88	ANY UP TO 12 FT.
METRIC 1144 STEEL		
A HIGHER GRADE OF STEEL TURNED, GROUND AND POLISHED 4 MM TO 65 MM DIA. FULL-KEYED AND PLAIN	TENSILE 164,000 PSI YIELD 139,000 HARDNESS ROCKWELL C28-30	ANY UP TO 12 FT.
REDI CHROME SHAFTS 1045 STEEL		
TURNED, GROUND AND POLISHED PLATED WITH .001" MAX. HARD CHROMIUM CAN BE MACHINED! APPLICATIONS: PISTON RODS CYLINDER SHAFTS, 1/2" TO 6" DIAMETERS	TENSILE 109,000 PSI YIELD 92,000 PSI HARDNESS OF CHROME PLATES ROCKWEEL C60	4 FT. MIN UP TO 12 FT. MAXIMUM
METRIC 303 STAINLESS STEEL		
ACCURACY STOCK TURNED GROUND AND POLISHED 4 MM TO 65 MM DIAMETER	TENSILE 100,000 PSI YIELD 60,000 PSI HARDNESS ROCKWELL B89-C35	ANY UP TO 12 FT.

SOUTHEASTERN SHAFTING MANUFACTURING, INC.
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800-397-4629
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REDI KEYED SHAFTING

Standard Keyways



THE KEYWAY IS ALREADY THERE, WHEREVER YOU WANT IT TO BE!!!

MANUFACTURING TOLERANCES FOR STANDARD KEYWAYS

KEYWAY TOLERANCES ARE, DIMENSION (B), WIDTH UP TO $\frac{+.002''}{-.000''}$
DIMENSION (C), DEPTH UP TO $\frac{+.010''}{-.000''}$

THE ABOVE TOLERANCES ARE CONTROLLED TO PROVIDE A GOOD FIT, WITH UNPLATED KEYSTOCK AND WITHOUT FILING! PLATED KEYS WILL STILL HAVE TO BE FILED. KEYWAYS WILL NEVER BE UNDER OR OVER-SIZE! THE KEYWAY TOLERANCES ARE CHECKED WITH GO-NO GO HARDENED STEEL GAGES. TOOLS AND CUTTERS ARE CONSTANTLY CHECKED TO BE SURE THAT THEY ARE NOT OVER- OR UNDERSIZE!

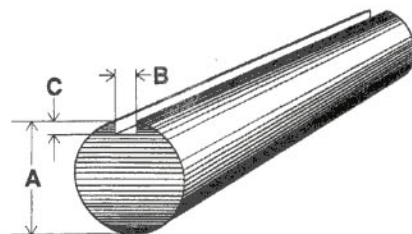
A GOOD FIT BETWEEN THE KEY AND THE KEYWAY PREVENTS ROCKING OF THE KEY. A ROCKING KEY CAN DEFORM THE KEYWAY, AND SOMETIMES SPLIT THE KEY ITSELF! AS A RESULT, THE SHAFT, SPROCKET, OR PULLEY MAY HAVE TO BE REPLACED, THUS CAUSING EXPENSIVE PLANT DOWN TIME!!!

STANDARD LENGTHS ARE 3-4-6-8-9-12 FT
5-7-10-11 FT ARE PRICED AS NEXT STANDARD LENGTH!

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REDI KEYED SHAFTING

STANDARD KEYWAYS ARE USED ON ALL OF OUR SHAFTING



Full Length Keyed Steel Shafting

DIAMETERS "A" DIM.	KEYWAY "B" & "C" DIM.	DIAMETERS "A" Dim.	KEYWAY "B" & "C" Dim.
1/2"	1/8 X 1/16	3"	3/4 X 3/8
5/8"	3/16 X 3/32	3-1/8"	3/4 X 3/8
11/16"	3/16 X 3/32	3-3/16"	3/4 X 3/8
3/4"	3/16 X 3/32	3-1/4"	3/4 X 3/8
7/8"	3/16 X 3/32	3-3/8"	7/8 x 7/16
15/16"	1/4 X 1/8	3-7/16"	7/8 x 7/16
1"	1/4 X 1/8	3-1/2"	7/8 x 7/16
1-1/16"	1/4 X 1/8	3-5/8"	7/8 x 7/16
1-1/8"	1/4 X 1/8	3-3/4"	7/8 x 7/16
1-3/16	1/4 X 1/8	3-15/16"	1 x 1/2
1-1/4"	1/4 X 1/8	4"	1 x 1/2
1-5/16"	5/16 X 5/32	4-1/4"	1 x 1/2
1-3/8"	5/16 X 5/32	4-3/8"	1 x 1/2
1-7/16"	3/8 X 3/16	4-7/16"	1 x 1/2
1-1/2"	3/8 X 3/16	4-1/2"	1 x 1/2
1-5/8"	3/8 X 3/16		
1-11/16"	3/8 x 3/16		
1-3/4"	3/8 x 3/16		
1-7/8"	1/2 x 1/4		
1-15/16"	1/2 x 1/4		
2"	1/2 x 1/4		
2-3/16"	1/2 x 1/4		
2-7/16"	5/8 x 5/16		
2-1/2"	5/8 x 5/16		
2-15/16	3/4 x 3/8		

SPECIALIZED KEYWAYS AVAILABLE ON REQUEST

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