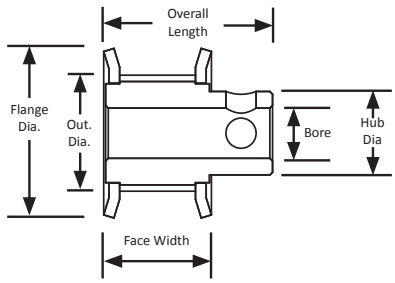
L TIMING PULLEYS

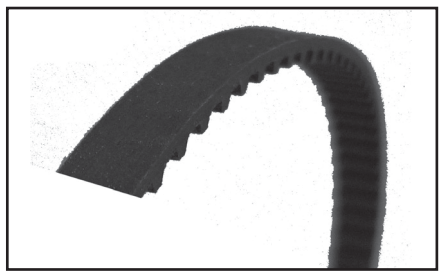
0.375" Trapezoidal Pitch
For 0.500" Wide Belts
Hub and Flanges
Steel
Black Oxide Plating
Finished Bore

Note: **Pulleys with bores 0.500" or less have set screws.**
Pulleys with bores greater than 0.500" have keyways and set screws.

Part Number	No. of Teeth	Type	Pitch Dia. (in)	Out. Dia. (in)	Flange Dia. (in)	Bore (in)	Face Width (in)	Overall Length (in)	Hub Dia. (in)	Set Screw
10LF050X3/8	10	6F	1.194	1.164	1.438	0.375	0.750	1.250	0.812	1 x 1/4-20
12LF050X3/8	12	6F	1.432	1.402	1.656	0.375	0.750	1.250	1.000	1 x 1/4-20
12LF050X1/2	12	6F	1.432	1.402	1.656	0.500	0.750	1.250	1.000	1 x 1/4-20
13LF050X3/8	13	6F	1.552	1.522	1.781	0.375	0.750	1.250	1.125	1 x 1/4-20
13LF050X1/2	13	6F	1.552	1.522	1.781	0.500	0.750	1.250	1.125	1 x 1/4-20
14LF050X3/8	14	6F	1.671	1.641	1.906	0.375	0.750	1.250	1.125	1 x 1/4-20
14LF050X1/2	14	6F	1.671	1.641	1.906	0.500	0.750	1.250	1.125	1 x 1/4-20
15LF050X1/2	15	6F	1.790	1.760	2.031	0.500	0.750	1.250	1.344	1 x 1/4-20
15LF050X5/8	15	6F	1.790	1.760	2.031	0.625	0.750	1.250	1.344	1 x 1/4-20
15LF050X3/4	15	6F	1.790	1.760	2.031	0.750	0.750	1.250	1.344	1 x 1/4-20
16LF050X1/2	16	6F	1.910	1.880	2.125	0.500	0.750	1.250	1.437	1 x 1/4-20
16LF050X5/8	16	6F	1.910	1.880	2.125	0.625	0.750	1.250	1.437	1 x 1/4-20
16LF050X3/4	16	6F	1.910	1.880	2.125	0.750	0.750	1.250	1.437	1 x 1/4-20
17LF050X1/2	17	6F	2.029	1.999	2.250	0.500	0.750	1.250	1.437	1 x 1/4-20
17LF050X5/8	17	6F	2.029	1.999	2.250	0.625	0.750	1.250	1.437	1 x 1/4-20
17LF050X3/4	17	6F	2.029	1.999	2.250	0.750	0.750	1.250	1.437	1 x 1/4-20

TYPE 6F





For matching L pitch belts, see page 194.

Plain bores, often referred to as minimum plain bores or MPB, are simply untapered bores drilled through the center of a pulley, gear, sprocket, or sheave. Sometimes component part numbers use MPB to designate the plain bore style. Finished bores are plain bores with the addition of either a keyway, set screws, or both. Timing pulleys and roller chain sprockets often use a F in the part number to illustrate a finished bore.

A keyway is a slot cut into a pulley, gear, sprocket, or sheave to accept a key that engages with a similar slot on a shaft to prohibit the relative motion of the two components. Keys connecting shafts to pulley hubs are commonly used to achieve reliable no-slip power transmission in belt drive systems. A set screw is a screw through the pulley, gear, sprocket, or sheave used to tighten the component to the shaft and limit slippage. Typically, set screws are used on larger diameter components as they typically transmit higher loads.

There are some advantages to having a plain bore. With a plain bore, it is easier to customize how the component is affixed to the shaft. A plain bore can be opened to a larger bore diameter, can be made into a finished bore, or can even be customized in other ways such as incorporating pins or screws. There are also advantages to having a finished bore. The most noteworthy advantage is the increased prevention of shaft slippage. It allows for the component to move larger loads with increased accuracy. A noteworthy disadvantage is in the food and beverage industry where set screw holes will at times fill with debris depending on the application.