

Timing pulley

All series of the timing pulleys XL-XXH, 3M-20M, T2.5-T20 and AT5-AT10 are manufactured using advanced production technology and of high quality. They are really the first choice of users.



The material can be S45C, GG25, FFF40, aluminium, nylon and stainless steel etc. The surface finish can be black oxide, phosphating, anodization and zinc plating.

Timing pulleys



**S_{tock}
B_{ore}** *Timing pulleys*
XL L H XH XXH



**S_{tock}
B_{ore}** *HTP Timing pulleys*
3M 5M 8M 14M 20M



**S_{tock}
B_{ore}** *T/AT Timing pulleys*
T2.5 T5 T10 T20
AT5 AT10



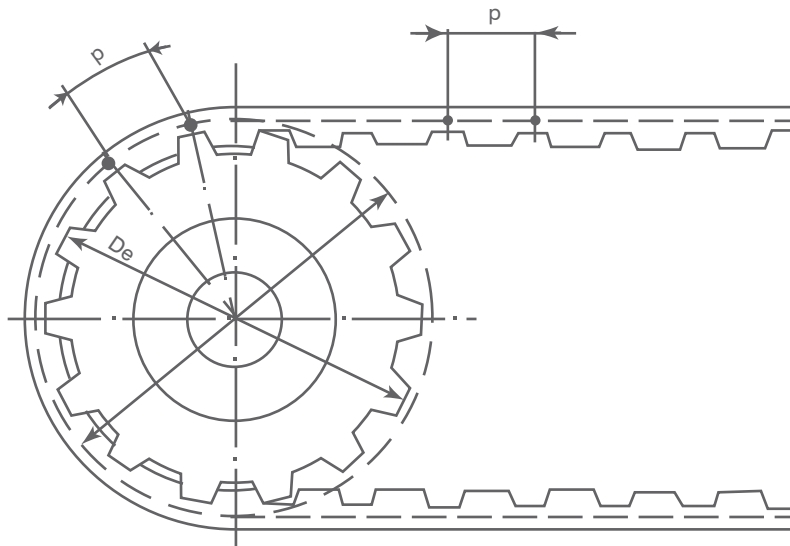
**T_{aper}
B_{ore}** *BTL Timing pulleys*
L H XH



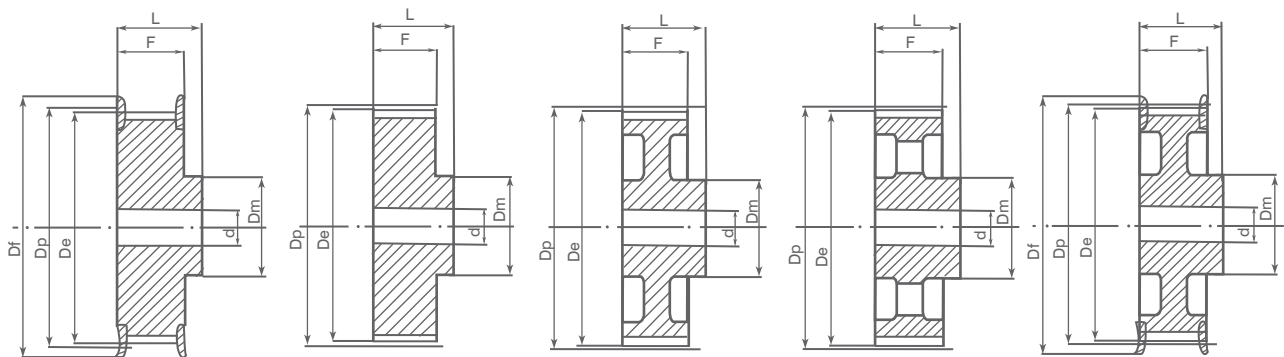
**T_{aper}
B_{ore}** *BTL HTP Timing pulleys*
8M 14M

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ISO5294-1989



TYPE OF BASIC STRUCTURE OF TIMING PULLEY



P = Pitch; is the distance between the axes of two adjacent teeth in spite of whether these teeth are on the pulley or the belt provided and measurement is taken on the circumference of pitch line

Z = teeth Number

$$D_p = \frac{P \cdot Z}{p}$$

The pitch diameter is obtained from the formula

De = External diameter of pulley $De = D_p - H_f$

Dm = Hub diameter

d = Bore diameter

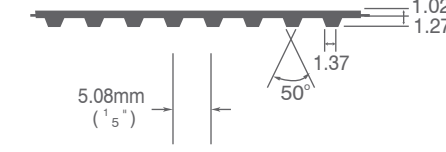
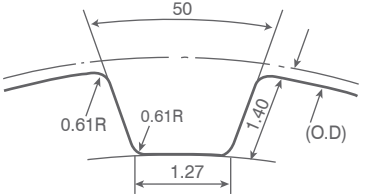
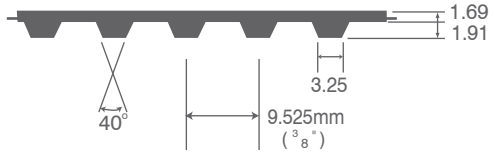
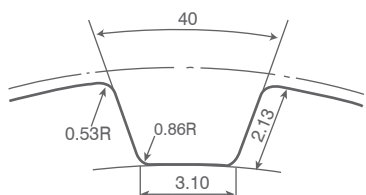
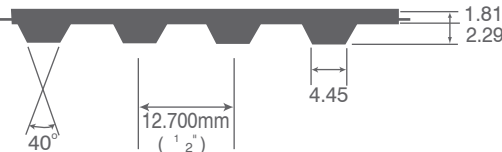
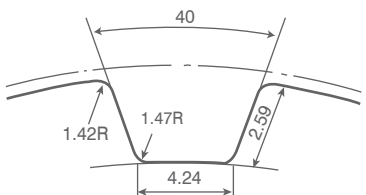
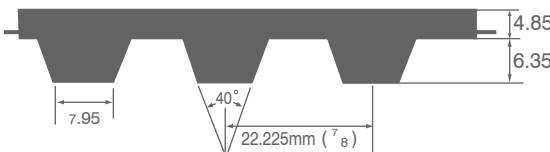
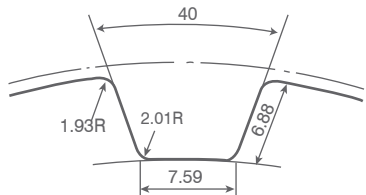
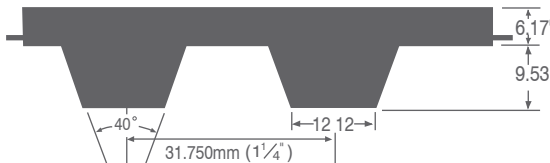
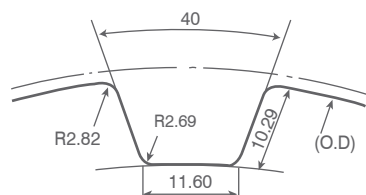
F = Tooth width

L = Total length including hubs

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TEETH DIMENSION OF TIMING BELT AND ORIGINAL TEETH OUTLINE OF PULLEY

SPECIFICATION OF BELT AND PULLEY	TEETH DIMENSION OF BELT	ORIGINAL TEETH OUTLINE OF PULLEY
XL		
L		
H		
XH		
XXH		

MATERIALS USED FOR PULLEYS

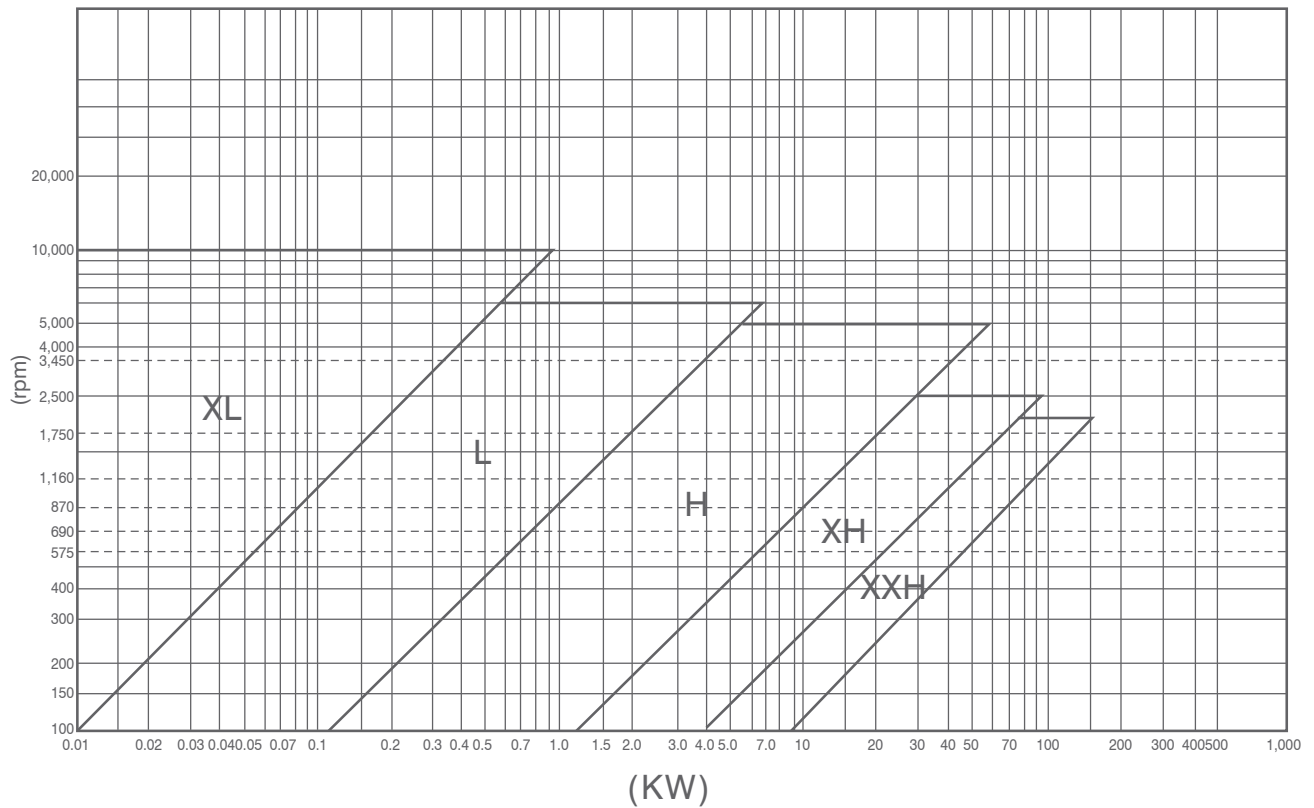
Aluminium UN13571TA16
suitable for anodic treatment
Steel UNI C45
Cast iron GG25 UNI 5007

The surface treatment of the timing belt pulleys is black phosphate (except aluminium material).
The timing belt pulleys that are made of GG25 cast iron should be dynamically balanced. (Grade 6.3)

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DESIGN HORSEPOWER (HORSEPOWER SERVICE FACTOR)



SPECIFICATION AND TYPE FOR TIMING BELT PULLEY

EXAMPLE:

