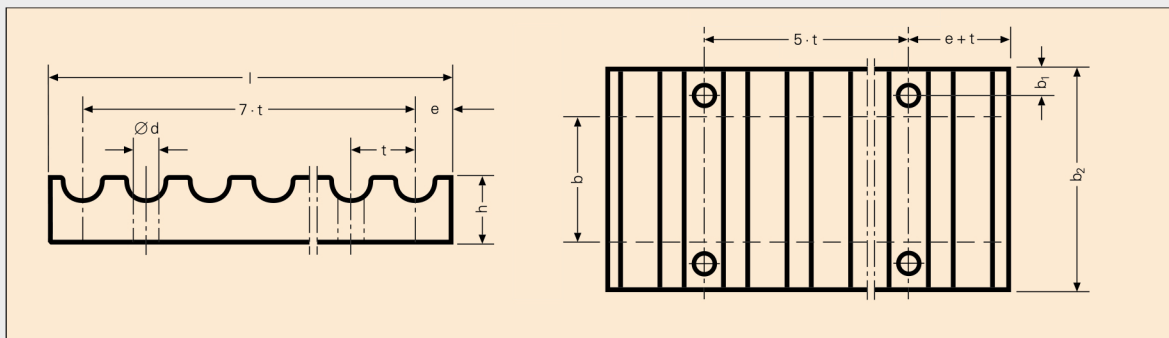


Clamp plates

CONTI® SYNCHRODRIVE synchronous drive belts that are used as opened power transmission components must be clamped with a positive fit at their ends. Clamp plates must have the corresponding tooth profile. The clamping screws should be positioned on both sides of the belt, and tightened in a uniform fashion.

Fig. 2 shows the type of clamp plate used. Dimensions for the standard type are given in Table 17.

Fig. 2



Clamp plate layout principle

Table 17 Clamp plate dimensions (in mm)								
Tooth profile		HTD				STD		
		3M	5M	8M	14M	S 3M	S 5M	S 8M
t			5,0	8,0	14,0		5,0	8,0
l			41,4	66,0	116,0		41,4	66,0
e			3,2	5,0	9,0		3,2	5,0
h			8,0	15,0	22,0		8,0	15,0
d			5,5	9,0	11,0		5,5	9,0
b ₁			6,0	8,0	10,0		6,0	8,0
b ₂ for synchronous drive belt width b mm	10,00		28,0					28,0
	15,00		34,0	40,0			34,0	40,0
	20,00			45,0				45,0
	25,00		44,0				44,0	
	30,00			55,0				55,0
	40,00				71,0			
	50,00			75,0				75,0
	55,00				86,0			
	85,00			110,0	116,0			110,0
	100,00				131,0			
	115,00				146,0			
	120,00				151,0			
	150,00				181,0			

Clamp plates for STD S 3M and HTD 3M are available on request.