

Toothed belt pulleys, rim flanges, Taper Lock® bushes,
clamping plates and timing bars

Toothed belt pulleys and more ...

Contents

Introduction	Page
Toothed belt pulleys according to drawing	8
Standard toothed belt pulleys/Overview	9
Toothed belt pulleys	
PolyChain® toothed belt pulleys prepared for Taper Lock®	10
• Pitch 8M	12
• Pitch 14M	14
PowerGrip® GT toothed belt pulleys, with pre-drilled bores	16
• Pitch 3MR	18
• Pitch 5MR	19
HTD® toothed belt pulleys, with pre-drilled bores	20
• Pitch 3M	22
• Pitch 5M	23
• Pitch 8M	24
• Pitch 14M	26
HTD® toothed belt pulleys, prepared for Taper Lock®	28
• Pitch 5M	30
• Pitch 8M	31
• Pitch 14M	33
Metric T toothed belt pulleys, with pre-drilled bores	35
• Pitch T2,5	36
• Pitch T5	37
• Pitch T10	39
Metric AT toothed belt pulleys, with pre-drilled bores	41
• Pitch AT5	42
• Pitch AT10	44
Taper Lock® locking bushes	46
Assembly	47
Locking elements for toothed belt pulleys	50
Rim flanges	52
Timing bars	54
PolyChain® timing bars	55
PowerGrip® GT timing bars	56
PowerGrip® HTD timing bars	57
Metric T-type timing bars	58
Metric AT-type timing bars	59
Clamping plates/mounting plates	60

**Drive components
are our world.**

Electromagnetically actuated clutches and brakes



Shaft couplings



Locking assemblies



Belt drives



Torque limiters



Universal joints



Linear Motion



Synchronous, slip-free power transmission.

Toothed belt drives are characterised by synchronous, slip-free power transmission with little strain being placed on the bearings. Due to the absence of a need for maintenance, their low operating noise and their outstanding cost-effectiveness, they are being used more and more frequently in industry and mechanical engineering.

Toothed belt pulleys and clamping plates are indispensable if you want to transmit power with a belt. Our portfolio contains a wide variety of products for diverse belt pitches and belt widths.

The service life and operating precision of toothed belt drives are influenced by the quality of the toothed belt pulleys. Which pulley material is chosen depends on the power to be transmitted and the size of the pulley.

If you do not find a suitable solution for your mechanical drive train in our standard product range, we will be happy to make your pulleys according to your submitted drawing.

We offer you:

- On-site advisory and project planning service
- Dimensioning, incl. documentation
- Large range of standard pre-drilled toothed belt pulleys and types for Taper locking bushes available from stock
- Special toothed belt pulleys according to customer's drawing with nearly all possible pitches and made of a variety of materials





On your behalf, of course, we will also dimension the appropriate **locking element** for a friction-locked connection between shaft and belt pulley as well as the matching **toothed belt** and a **belt tension measuring device** for adjustment of the degree of pretension.

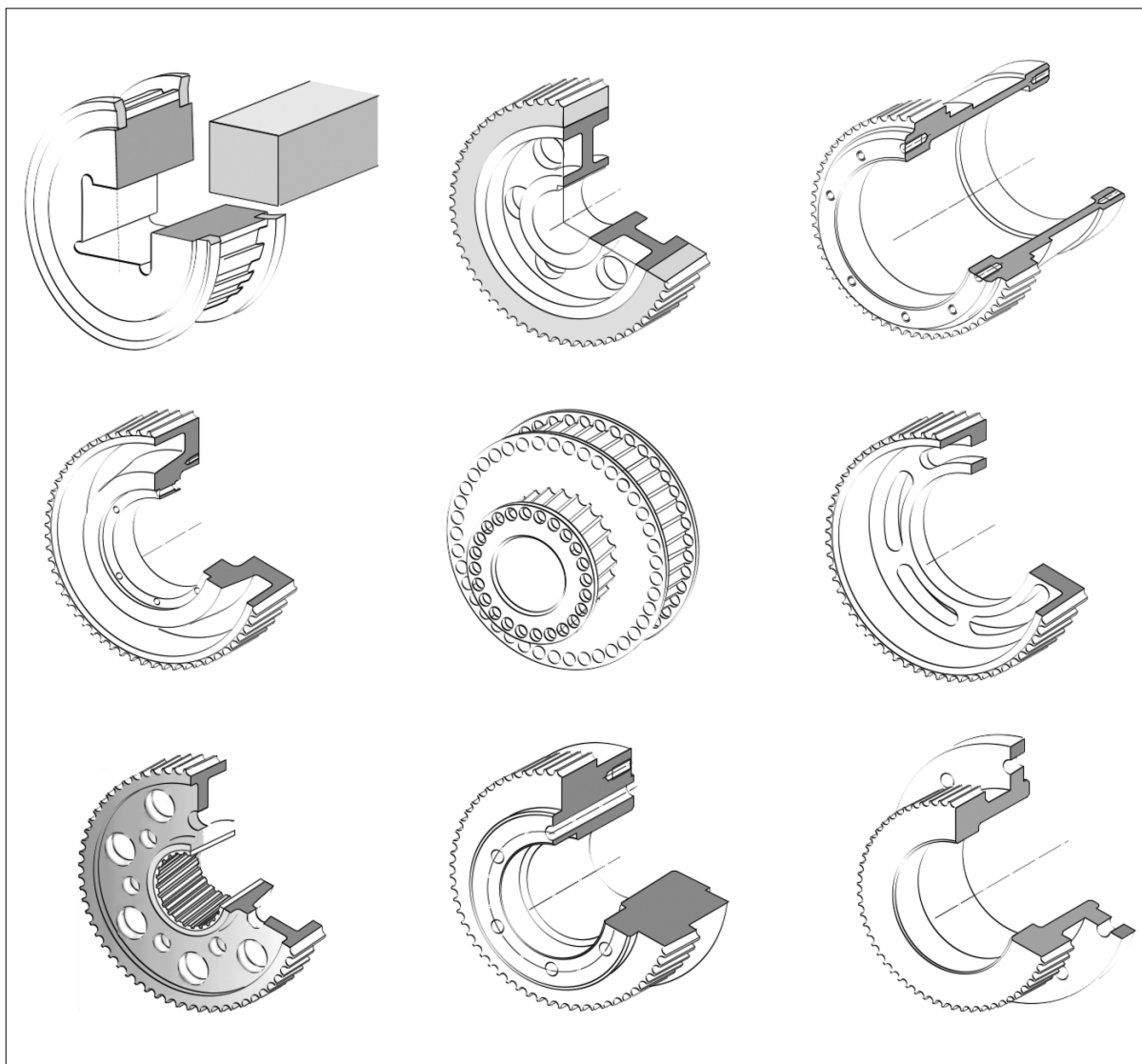
We will be happy to advise you in any matters relating to your specific type of belt drive.



We will manufacture your toothed belt pulleys according to your wishes:

- A wide variety of tooth shapes and pitches
- Special drilled holes and special tolerances
- Different surface treatments such as burnishing, phosphating, chemically nickel-plated etc.
- Different materials such as aluminium, steel, stainless steel, ...
- Toothing with very little backlash, dynamic balancing
- Thanks to our different production machines, we can make one-off production as well as large series
- and much more.

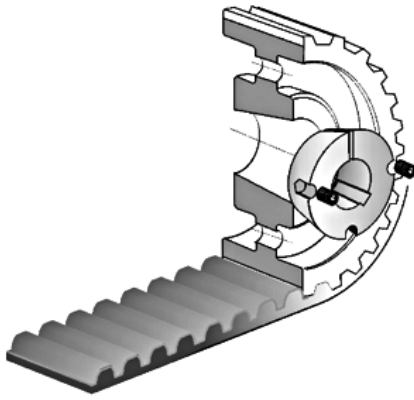
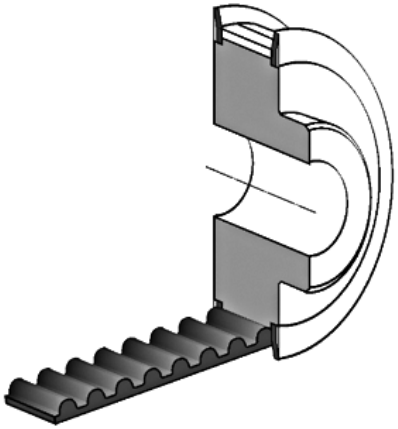
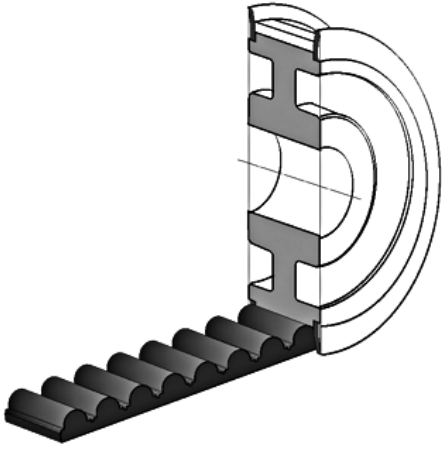
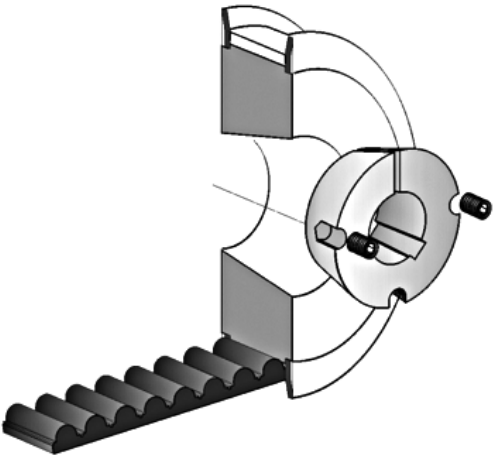
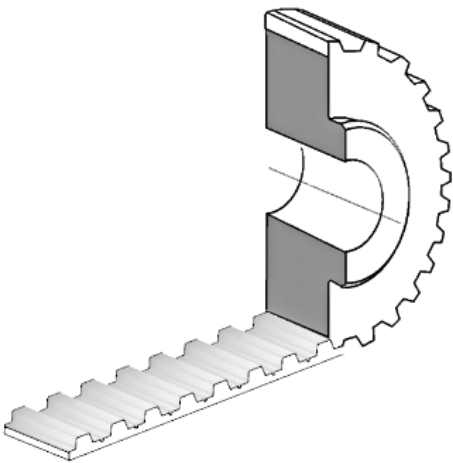
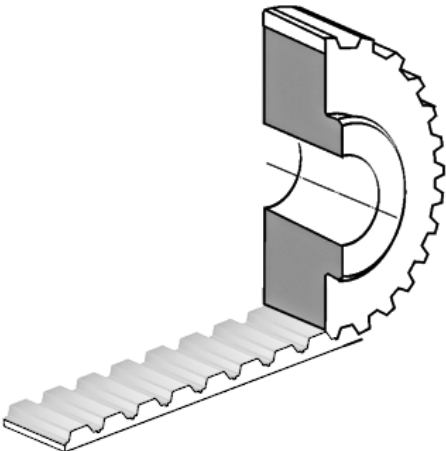
We will be happy to help you if you need individual advice or customised toothed belt pulleys according to drawing.





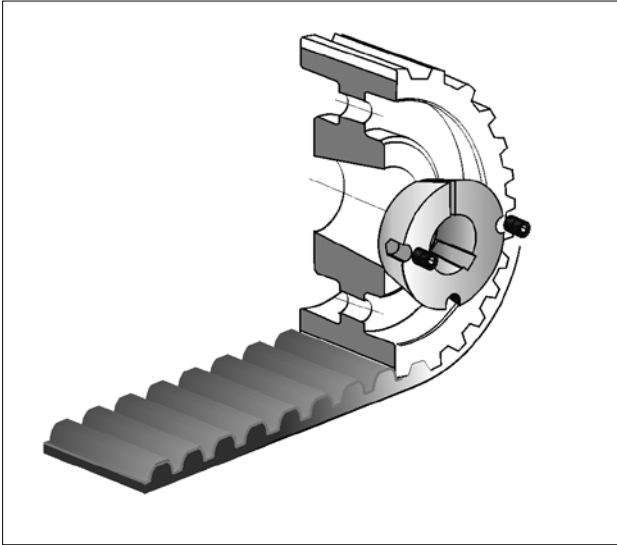
Standard toothed belt pulleys

Overview

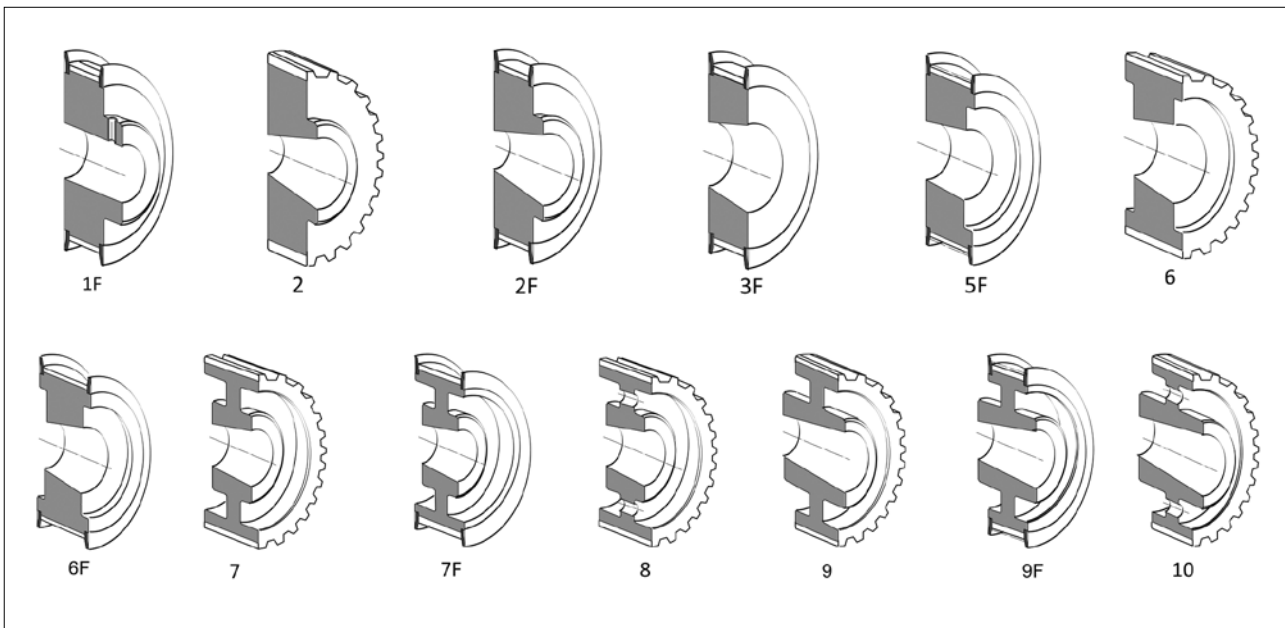
PolyChain® pulley, prepared for Taper Lock® bush	PowerGrip® GT pulley with pre-drilled bores
	
PowerGrip® HTD pulley with pre-drilled bores	PowerGrip® HTD pulley prepared for Taper Lock® bush
	
Metric T pulley with pre-drilled bores	Metric AT pulley with pre-drilled bores
	

PolyChain® toothed belt pulleys

prepared for Taper Lock®



Types:



1F type... with pre-drilled holes

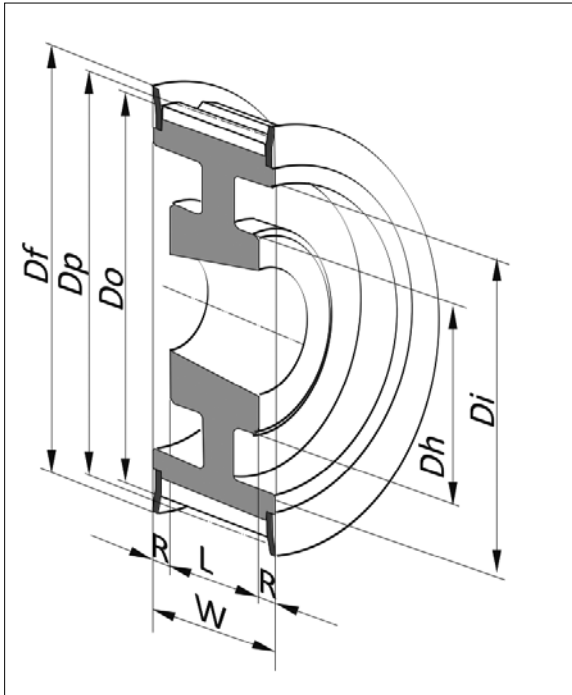
Other types are prepared for the Taper Lock® bush

We will be happy to help you if you need individual advice or customised toothed belt pulleys according to drawing.



PolyChain® toothed belt pulleys

prepared for Taper Lock®



Dp: Pitch diameter

Do: Outside diameter

Df: Rim flange diameter

Dh: Hub diameter

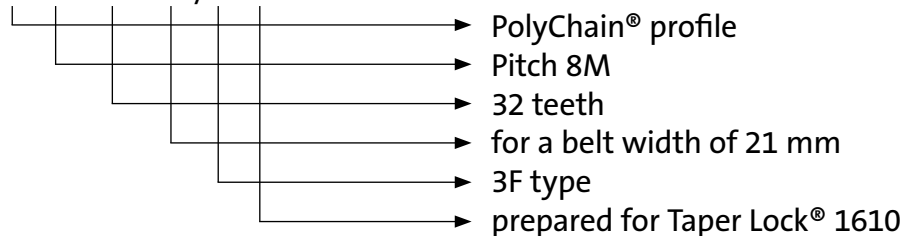
Di: Inside diameter of ring gear

Note:

PolyChain® Carbon toothed belts with 5MGT pitches are always used in PowerGrip® GT 5MR pulleys.

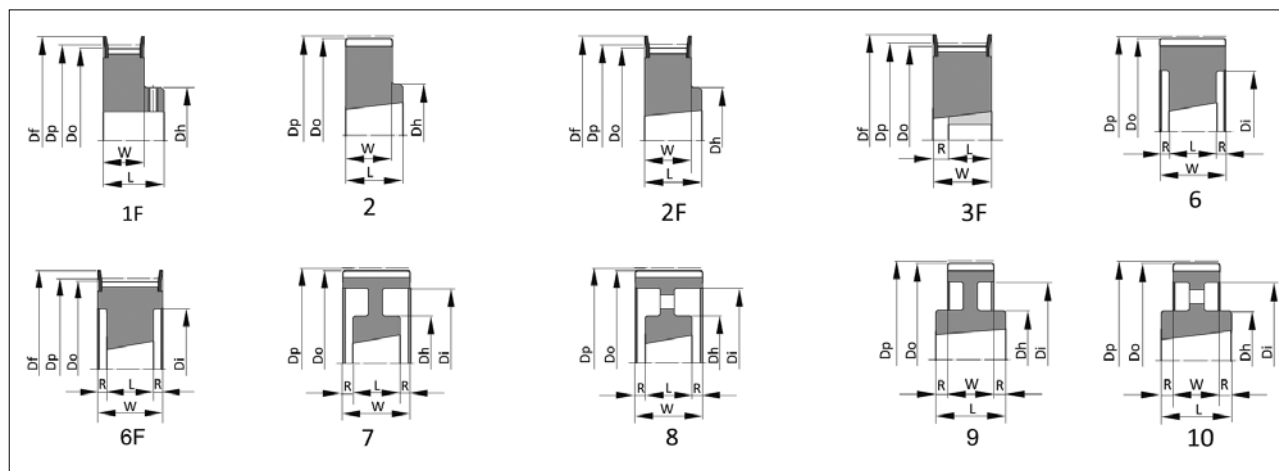
Type designation:

Toothed belt pulley PC 8M-32S-21/3F TL1610



PolyChain® toothed belt pulleys

prepared for Taper Lock®



	Designation	Number of teeth	Type	TL bush	Max. bore size	Dp	Do	Df	Di	Dh	W	L	R	Weight [kg]	Material
						[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
8M for a belt width of 12 mm	8M-22S-12	22	1F	PB12	28	56.02	54.42	62	-	43	20	30	-	0.42	ST
	8M-25S-12	25	2F	1108	28	63.66	62.06	70	-	49	20	22	-	0.43	CI
	8M-28S-12	28	2F	1108	28	71.3	69.7	79	-	59	20	22	-	0.6	CI
	8M-30S-12	30	2F	1210	32	76.39	74.79	86	-	66	20	25	-	0.67	CI
	8M-32S-12	32	2F	1610	42	81.49	79.89	90	-	66	20	25	-	0.77	CI
	8M-34S-12	34	2F	1610	42	86.58	84.98	95	-	70	20	25	-	0.88	CI
	8M-36S-12	36	2F	1610	42	91.67	90.07	98	-	78	20	25	-	1.02	CI
	8M-38S-12	38	2F	1610	42	96.77	95.17	106	-	80	20	25	-	1.15	CI
	8M-40S-12	40	2F	1610	42	101.86	100.26	111	-	85	20	25	-	1.19	CI
	8M-45S-12	45	2F	2012	50	114.59	112.99	119	-	92	20	32	-	1.76	CI
	8M-48S-12	48	2F	2012	50	122.23	120.63	135	-	104	20	32	-	2.16	CI
	8M-50S-12	50	2F	2012	50	127.32	125.72	135	-	104	20	32	-	2.16	CI
	8M-56S-12	56	2F	2012	50	142.6	141	151	-	104	20	32	-	2.83	CI
	8M-60S-12	60	2F	2012	50	152.79	151.19	159	-	111	20	32	-	3.24	CI
	8M-64S-12	64	2F	2012	50	162.97	161.37	168	-	111	20	32	-	3.51	CI
	8M-75S-12	75	2	2012	50	190.99	189.39	-	-	111	20	32	-	4.57	CI
8M for a belt width of 21 mm	8M-80S-12	80	2	2012	50	203.72	202.12	-	-	111	20	32	-	5.13	CI
	8M-90S-12	90	2	2012	50	229.18	227.58	-	-	111	20	-	-	6.37	CI
	8M-22S-21	22	1F	PB12	28*	56.02	54.42	62	-	43	30	40	-	0.57	ST
	8M-25S-21	25	3F	1108	28	63.66	62.06	70	-	-	30	22	8	0.6	CI
	8M-28S-21	28	3F	1210	32	71.3	69.7	79	-	-	30	25	5	0.75	ST
	8M-30S-21	30	3F	1210	32	76.39	74.79	86	-	-	30	25	5	0.83	ST
	8M-32S-21	32	3F	1610	42	81.49	79.89	90	-	-	30	25	5	0.97	ST
	8M-34S-21	34	3F	1610	42	86.58	84.98	95	-	-	30	25	5	1.12	CI
	8M-36S-21	36	3F	1610	42	91.67	90.07	98	-	-	30	25	5	1.29	CI
	8M-38S-21	38	3F	1610	42	96.77	95.17	106	-	-	30	25	5	1.34	CI
	8M-40S-21	40	3F	1610	42	101.86	100.26	111	-	-	30	25	5	1.5	CI
	8M-45S-21	45	2F	2012	50	114.59	112.99	119	-	92	30	32	-	2.03	CI
	8M-48S-21	48	2F	2012	50	122.23	120.63	135	-	104	30	32	-	2.24	CI
	8M-50S-21	50	2F	2012	50	127.32	125.72	135	-	104	30	32	-	2.42	CI
	8M-56S-21	56	2F	2012	50	142.6	141	151	-	111	30	32	-	3.2	CI
	8M-60S-21	60	2F	2517	60	152.79	151.19	159	-	124	30	45	-	4.66	CI
	8M-64S-21	64	2F	2517	60	162.97	161.37	168	-	124	30	45	-	5.28	CI
	8M-75S-21	75	2	2517	60	190.99	189.39	-	-	124	30	45	-	6.77	CI
	8M-80S-21	80	2	2517	60	203.72	202.12	-	-	124	30	45	-	7.61	CI
	8M-90S-21	90	9	2517	60	229.18	227.58	-	198	124	30	45	7.5	8.57	CI
	8M-112S-21	112	9	2517	60	285.21	283.61	-	253	124	30	45	7.5	12.5	CI
	8M-140S-21	140	10	3020	75	356.51	354.91	-	324	150	30	51	10.5	12.79	CI

* Keyway according to DIN 6885/3
PBxx ... with pre-drilled xx mm bores

Pulleys made of CI or steel can be supplied. Both types guarantee the necessary service life and reliability. We reserve the right to choose which type of standard pulley we supply.

CI ... cast iron



PolyChain® toothed belt pulleys

prepared for Taper Lock®

	Designation	Number of teeth	Type	TL bush	Max. bore size	Dp	Do	Df	Di	Dh	W	L	R	Weight	Material
						[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
8M for a belt width of 36 mm	8M-25S-36	25	1F	PB12	32	63.66	62.06	70	-	49	45	55	-	1.02	ST
	8M-28S-36	28	3F	1210	32	71.3	69.7	79	-	-	45	25	20	1.11	ST
	8M-30S-36	30	3F	1610	42	76.39	74.79	86	-	-	45	25	20	1.22	ST
	8M-32S-36	32	3F	1610	42	81.89	79.89	90	-	-	45	25	20	1.45	ST
	8M-34S-36	34	3F	1610	42	86.58	84.98	95	-	-	45	25	20	1.66	CI
	8M-36S-36	36	3F	1610	42	91.67	90.07	98	-	-	45	25	20	1.9	CI
	8M-38S-36	38	3F	1610	42	96.77	95.17	106	-	-	45	25	20	2.21	CI
	8M-40S-36	40	3F	2012	50	101.86	100.26	111	-	-	45	32	13	2.36	ST
	8M-45S-36	45	3F	2012	50	114.59	112.99	119	-	-	45	32	13	3.07	CI
	8M-48S-36	48	3F	2012	50	122.23	120.63	135	-	-	45	32	13	3.3	CI
	8M-50S-36	50	3F	2012	50	127.32	125.72	135	-	-	45	32	13	3.58	CI
	8M-56S-36	56	3F	2517	60	142.6	141	151	-	-	45	45	0	4.48	CI
	8M-60S-36	60	3F	2517	60	152.79	151.19	159	-	-	45	45	0	5.3	CI
	8M-64S-36	64	3F	2517	60	162.97	161.37	168	-	-	45	45	0	6.19	CI
	8M-75S-36	75	2	3020	75	190.99	189.39	-	-	150	45	51	-	8.72	CI
	8M-80S-36	80	2	3020	75	203.72	202.12	-	-	150	45	51	-	9.96	CI
	8M-90S-36	90	9	3020	75	229.18	227.58	-	197	150	45	51	3	10.41	CI
	8M-112S-36	112	9	3020	75	285.21	283.61	-	253	150	45	51	3	14.01	CI
	8M-140S-36	140	10	3020	75	356.51	354.91	-	324	150	45	51	3	11.98	CI
8M for a belt width of 62 mm	8M-168S-36	168	10	3525	100	427.81	426.21	-	396	198	45	65	10	23.91	CI
	8M-192S-36	192	10	3525	100	488.92	487.32	-	457	198	45	65	10	26.53	CI
	8M-30S-62	30	1F	PB20	42	76.39	74.79	86	-	65	72	84	-	2.45	ST
	8M-32S-62	32	1F	PB20	50*	81.49	79.89	90	-	69	72	84	-	2.82	ST
	8M-34S-62	34	1F	PB20	55*	86.58	84.98	95	-	74	72	84	-	3.17	ST
	8M-36S-62	36	1F	PB20	60*	91.67	90.07	98	-	77	72	84	-	3.52	ST
	8M-38S-62	38	1F	PB20	60	96.77	95.17	106	-	84	72	84	-	3.91	ST
	8M-40S-62	40	3F	2012	50	101.86	100.26	111	-	-	72	32	40	3.76	CI
	8M-45S-62	45	3F	2012	50	114.59	112.99	119	-	-	72	32	40	4.88	CI
	8M-48S-62	48	3F	2517	60	122.23	120.63	135	-	-	72	45	27	5.52	CI
	8M-50S-62	50	3F	2517	60	127.32	125.72	135	-	-	72	45	27	6.03	CI
	8M-56S-62	56	6F	2517	60	142.6	141	151	111	-	72	45	13.5	5.43	CI
	8M-60S-62	60	6F	2517	60	152.79	151.19	159	121	-	72	45	13.5	6.33	CI
	8M-64S-62	64	6F	2517	60	162.97	161.37	168	131	-	72	45	13.5	7.11	CI
	8M-75S-62	75	6	3020	75	190.99	189.39	-	159	-	72	51	10.5	9.99	CI
	8M-80S-62	80	6	3020	45	203.72	202.12	-	172	-	72	51	10.5	11.44	CI
	8M-90S-62	90	6	3020	75	229.18	227.58	-	197	-	72	51	10.5	14.94	CI
	8M-112S-62	112	7	3020	75	285.21	283.61	-	253	150	72	51	10.5	14.94	CI
	8M-140S-62	140	7	3525	100	356.51	354.91	-	324	198	72	65	3.5	24.77	CI
	8M-168S-62	168	8	3525	100	427.81	426.21	-	396	198	72	65	3.5	28.39	CI
	8M-192S-62	192	8	3525	100	488.92	487.32	-	457	198	72	65	3.5	32.18	CI

* Keyway according to Din 6885/3
PBxx ... with xx mm pre-drilled bores

Pulleys made of CI or steel can be supplied. Both types guarantee the necessary service life and reliability. We reserve the right to choose which type of standard pulley we supply.

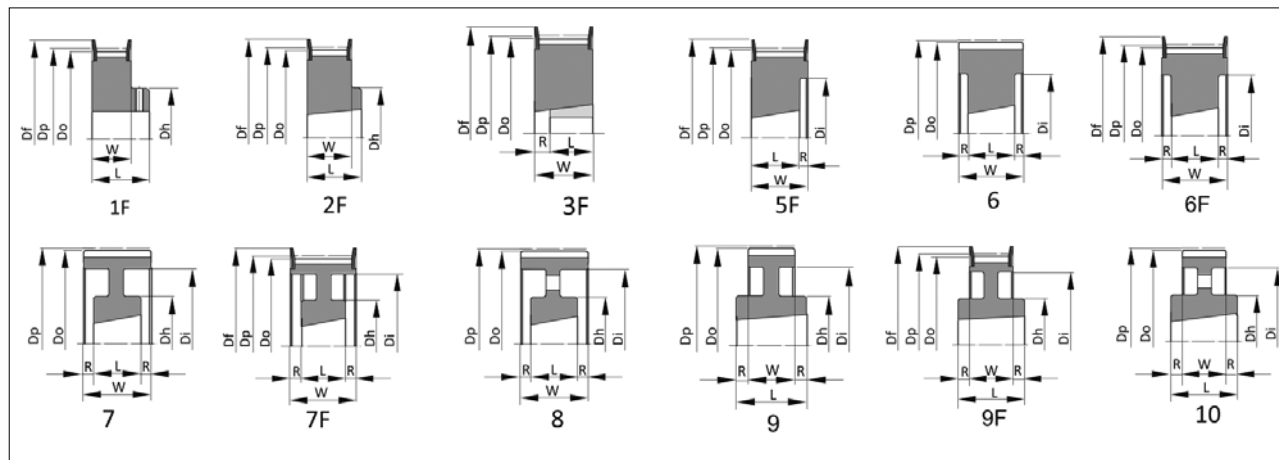
CI ... cast iron

PolyChain® toothed belt pulleys

prepared for Taper Lock®



Pitch 14M



	Designation	Number of teeth	Type	TL bush	Max. bore size	Dp	Do	Df	Di	Dh	W	L	R	Weight [kg]	Material
						[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
14M for a belt width of 20 mm	14M-285-20	28	3F	2012	50	124.78	121.98	141	-	-	33	32	1	2.46	CI
	14M-305-20	30	3F	2012	50	133.69	130.89	141	-	-	33	32	1	2.85	CI
	14M-325-20	32	3F	2012	50	142.6	139.8	155	-	-	33	32	1	3.26	CI
	14M-345-20	34	2F	2517	60	151.52	148.72	162	-	117	33	45	-	4.35	CI
	14M-365-20	36	2F	2517	60	160.43	157.53	168	-	117	33	45	-	5.05	CI
	14M-385-20	38	2F	2517	60	169.34	166.54	183	-	117	33	45	-	5.39	CI
	14M-405-20	40	2F	2517	60	178.25	175.45	197	-	117	33	45	-	5.97	CI
	14M-445-20	44	2F	3020	75	196.08	193.28	211	-	144	33	51	-	8.03	CI
	14M-485-20	48	2F	3020	75	213.9	211.11	226	-	144	33	51	-	9.48	CI
	14M-505-20	50	2F	3020	75	222.82	220.02	239	-	144	33	51	-	10.13	CI
	14M-565-20	56	9F	3020	75	249.55	246.76	267	207	144	33	51	9	10.81	CI
	14M-605-20	60	9	3020	75	267.38	264.58	-	224	159	33	51	9	12.59	CI
	14M-645-20	64	9	3020	75	285.21	282.41	-	242	159	33	51	9	13.84	CI
	14M-725-20	72	9	3020	75	320.86	318.06	-	278	159	33	51	9	15.51	CI
14M for a belt width of 37 mm	14M-805-20	80	9	3020	75	356.51	353.71	-	314	159	33	51	9	18.13	CI
	14M-905-20	90	10	3020	75	401.07	398.27	-	360	159	33	51	9	19.47	CI
	14M-1125-20	112	10	3020	75	499.11	496.31	-	456	159	33	51	9	24.25	CI
	14M-1405-20	140	10	3020	75	623.89	621.09	-	581	159	33	51	9	20.96	CI
	14M-285-37	28	5F	2012	50	124.78	121.98	141	88	-	51	32	19	2.97	CI
	14M-305-37	30	6F	2517	60	133.69	130.89	141	98	-	51	45	3	3.81	CI
	14M-325-37	32	6F	2517	60	142.6	139.8	155	100	-	51	45	3	4.53	CI
	14M-345-37	34	6F	2517	60	151.52	148.72	162	109	-	51	45	3	5.06	CI
	14M-365-37	36	5F	2517	60	160.43	157.53	168	117	-	51	45	6	5.92	CI
	14M-385-37	38	5F	2517	60	169.34	166.54	183	126	-	51	45	6	6.51	CI
	14M-405-37	40	5F	2517	60	178.25	175.45	197	135	-	51	45	6	7.31	CI
	14M-445-37	44	3F	3020	75	196.08	193.28	211	-	-	51	51	-	9.44	CI
	14M-485-37	48	3F	3020	75	213.9	211.11	226	-	-	51	51	-	11.44	CI
	14M-505-37	50	3F	3020	75	222.82	220.02	239	-	-	51	51	-	12.62	CI
	14M-565-37	56	7F	3020	75	249.55	246.76	267	207	144	51	51	0	12.7	CI
	14M-605-37	60	7	3020	75	267.38	264.58	-	224	159	51	51	0	14.23	CI
	14M-645-37	64	7	3020	75	285.21	282.41	-	242	159	51	51	0	15.58	CI
	14M-725-37	72	7	3020	75	320.86	318.06	-	278	159	51	51	0	17.24	CI
	14M-805-37	80	7	3020	75	356.51	353.71	-	314	159	51	51	0	20.32	CI
	14M-905-37	90	8	3020	75	401.07	398.27	-	360	159	51	51	0	29.85	CI
	14M-1125-37	112	8	3020	75	499.11	496.31	-	456	159	51	51	0	27.43	CI
	14M-1405-37	140	10	3525	100	623.89	621.09	-	581	206	51	65	7	33.55	CI
	14M-1685-37	168	10	3525	100	748.66	745.87	-	706	206	51	65	7	64.5	CI
	14M-1925-37	192	10	4030	115	855.61	852.82	-	812	215	51	76	12.5	83.82	CI

Pulleys made of CI or steel can be supplied. Both types guarantee the necessary service life and reliability. We reserve the right to choose which type of standard pulley we supply.

CI ... cast iron



PolyChain® toothed belt pulleys

prepared for Taper Lock®

	Designation	Number of teeth	Type	TL bush	Max. bore size	Dp	Do	Df	Di	Dh	W	L	R	Weight	Material
						[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
14M for a belt width of 68 mm	14M-34S-68	34	1F	PB40	100	151.52	148.72	162	-	134	84	104	-	6.25	CI
	14M-36S-68	36	1F	PB40	110*	160.43	157.53	168	-	134	84	104	-	6.68	CI
	14M-38S-68	38	1F	PB40	115*	169.34	166.54	183	-	141	84	104	-	7.46	CI
	14M-40S-68	40	1F	PB40	125*	178.25	175.45	197	-	156	84	104	-	7.81	CI
	14M-44S-68	44	6F	3020	75	196.08	193.28	211	153	-	84	51	16.5	11.54	CI
	14M-48S-68	48	5F	3020	75	213.9	211.11	226	171	-	84	51	33	13.74	CI
	14M-50S-68	50	6F	3525	100	222.82	220.02	239	180	-	84	65	9.5	16.63	CI
	14M-56S-68	56	6F	3525	100	249.55	246.76	267	207	-	84	65	9.5	21.15	CI
	14M-60S-68	60	6	3525	100	267.38	264.58	-	224	-	84	65	9.5	24.28	CI
	14M-64S-68	64	6	3525	100	285.21	282.41	-	242	-	84	65	9.5	27.86	CI
	14M-72S-68	72	7	3525	100	320.86	318.06	-	278	178	84	65	9.5	25.74	CI
	14M-80S-68	80	7	3525	100	356.51	353.71	-	314	178	84	65	9.5	29.86	CI
	14M-90S-68	90	8	3525	100	401.07	398.27	-	360	178	84	65	9.5	31.24	CI
	14M-112S-68	112	8	3525	100	499.11	496.31	-	456	178	84	65	9.5	39.25	CI
	14M-140S-68	140	8	3525	100	623.89	621.09	-	581	206	84	65	9.5	40.87	CI
14M for a belt width of 90 mm	14M-168S-68	168	8	3525	100	748.66	745.87	-	706	206	84	65	9.5	73.3	CI
	14M-192S-68	192	8	4030	115	855.61	852.82	-	812	215	84	76	4	94.21	CI
	14M-36S-90	36	1F	PB50	110	160.43	157.53	168	-	131	106	136	-	8.18	CI
	14M-38S-90	38	1F	PB50	115	169.34	166.54	183	-	147	106	136	-	9.73	CI
	14M-40S-90	40	1F	PB50	125	178.25	175.45	197	-	156	106	136	-	10.29	CI
	14M-44S-90	44	1F	PB50	140	196.08	193.28	211	-	169	106	136	-	11.92	CI
	14M-48S-90	48	6F	3525	100	213.9	211.11	226	171	-	106	66	20	16.76	CI
	14M-50S-90	50	6F	3525	100	222.82	220.02	239	180	-	106	66	20	18.38	CI
	14M-56S-90	56	6F	3525	100	249.55	246.76	267	207	-	106	66	20	23.46	CI
	14M-60S-90	60	6	3525	100	267.38	264.58	-	224	-	106	66	20	26.53	CI
	14M-64S-90	64	6	3525	100	285.21	282.41	-	242	-	106	66	20	30.3	CI
	14M-72S-90	72	7	3525	100	320.86	318.06	-	278	178	106	66	20	26.36	CI
	14M-80S-90	80	7	4030	115	356.51	353.71	-	314	215	106	76	15	35.61	CI
	14M-90S-90	90	7	4030	115	401.07	398.27	-	360	215	106	76	15	41.9	CI
	14M-112S-90	112	8	4535	125	499.11	496.31	-	456	215	106	90	8	70.89	CI
14M for a belt width of 125 mm	14M-140S-90	140	8	4535	125	623.89	621.09	-	581	215	106	90	8	74.56	CI
	14M-168S-90	168	8	5040	130*	748.66	745.87	-	708	267	106	102	2	109.24	CI
	14M-192S-90	192	8	5040	130*	855.61	852.82	-	812	267	106	102	2	126.05	CI
	14M-38S-125	38	1F	PB50	115	169.34	166.54	183	-	147	141	161	-	11.74	CI
	14M-40S-125	40	1F	PB50	125	178.25	175.45	197	-	156	141	161	-	12.23	CI
	14M-44S-125	44	1F	PB50	140	196.08	193.28	211	-	170	141	161	-	14.46	CI
	14M-48S-125	48	1F	PB50	160	213.9	211.11	226	-	185	141	161	-	14.7	CI
	14M-50S-125	50	6F	3525	100	222.82	220.02	239	180	-	141	65	38	20.93	CI
	14M-56S-125	56	6F	3525	100	249.55	246.76	267	207	-	141	65	38	25.91	CI
	14M-60S-125	60	6	4030	115	267.38	264.58	-	224	-	141	76	32.5	30.92	CI
	14M-64S-125	64	6	4030	115	285.21	282.41	-	242	-	141	76	32.5	35.34	CI
	14M-72S-125	72	7	4030	115	320.86	318.06	-	278	215	141	76	32.5	37.71	CI
	14M-80S-125	80	7	4030	115	356.51	353.71	-	314	215	141	76	32.5	42.02	CI
	14M-90S-125	90	7	4030	115	401.07	398.27	-	360	215	141	76	32.5	51.29	CI
	14M-112S-125	112	8	4535	125	499.11	496.31	-	581	215	141	89	26	65.64	CI
	14M-140S-125	140	8	4535	125	623.89	621.09	-	581	215	141	89	26	67.9	CI
14M for a belt width of 125 mm	14M-168S-125	168	8	5040	125	748.66	745.87	-	706	267	141	102	19.5	120.66	CI
	14M-192S-125	192	8	5040	125	855.61	852.82	-	812	267	141	102	19.5	142.39	CI

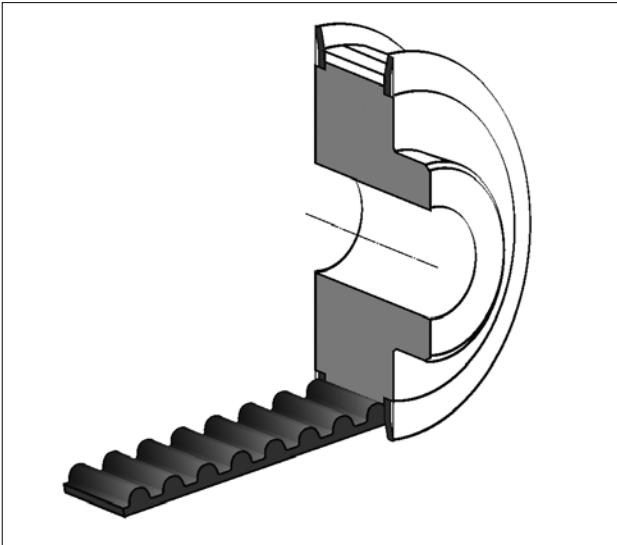
* Keyway according to Din 6885/3
PBxx ... with xx mm pre-drilled bores

Pulleys made of CI or steel can be supplied. Both types guarantee the necessary service life and reliability. We reserve the right to choose which type of standard pulley we supply.

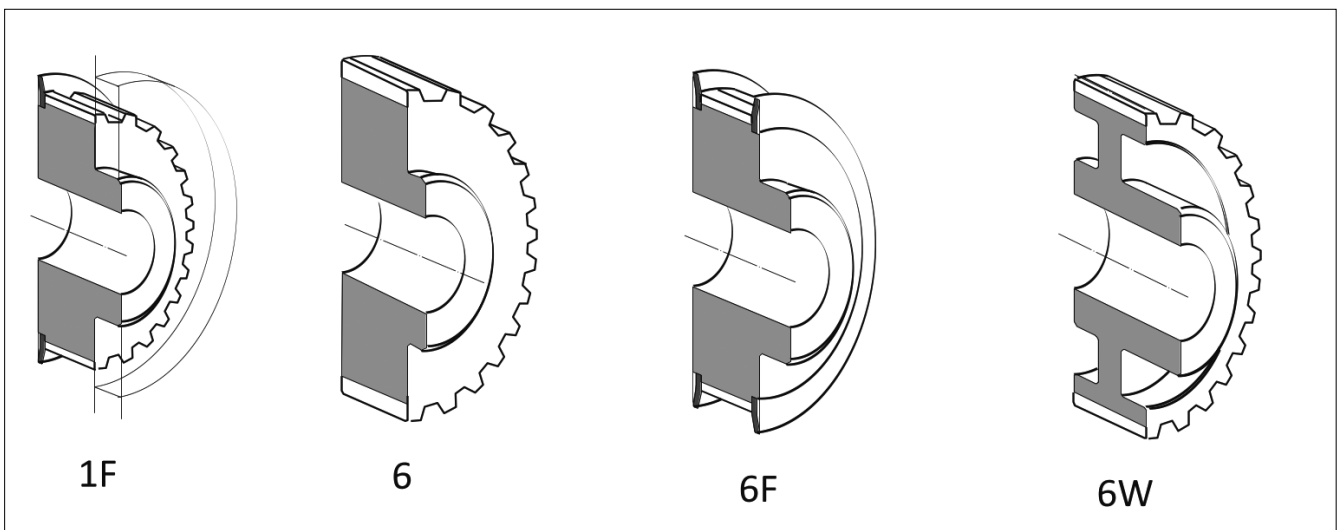
CI ... cast iron

PowerGrip® GT toothed belt pulleys

with pre-drilled bores



Versions:

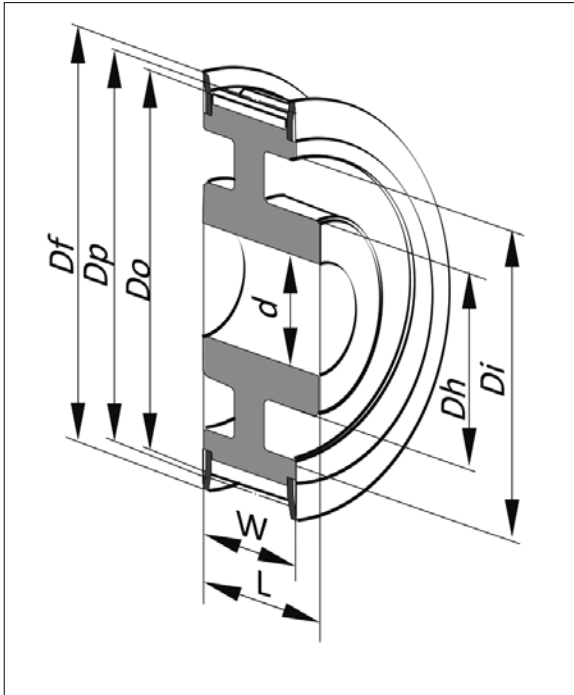


We will be happy to help you if you need individual advice or customised toothed belt pulleys according to drawing.



PowerGrip® GT toothed belt pulleys

with pre-drilled bores

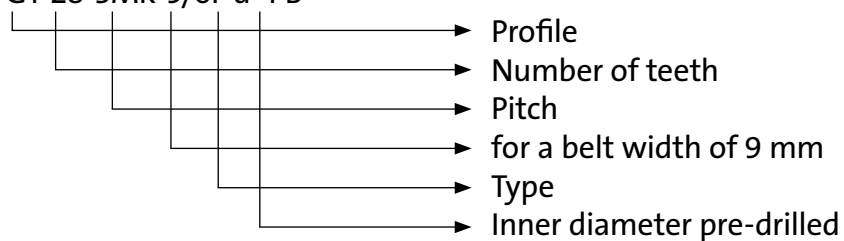


Dp: Pitch diameter
 Do: Outside diameter
 Df: Rim flange diameter
 Dh: Hub diameter
 Di: Inside diameter of ring gear
 d: Bore diameter (pre-drilled)

Note:
 PowerGrip® GT3 toothed belts with 8MGT and 14MGT pitches are used by default in HTD® pulleys.

Type designation:

Toothed belt pulley GT 28-3MR-9/6F d=PB

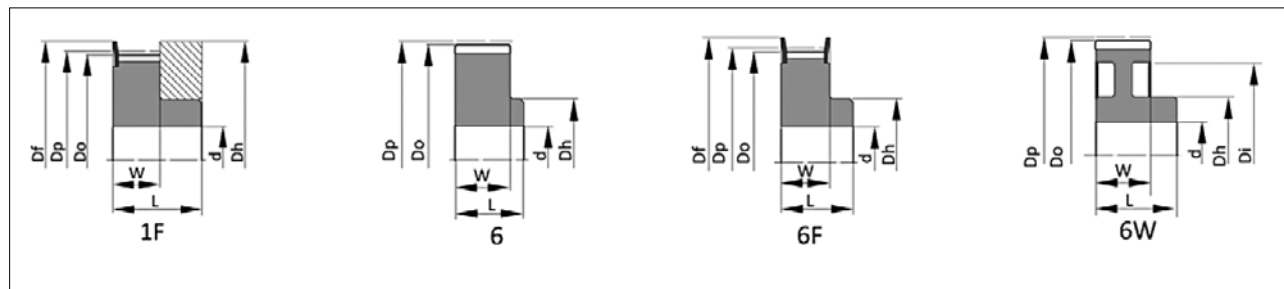


PowerGrip® GT toothed belt pulleys

with pre-drilled bores



Pitch 3MR



	Designation	Type	Number of teeth	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
3MR for a belt width of 9 mm	10-3MR-09	1F	10	9.55	8.79	13	13	11.5	17.5	-	0.004	AL
	12-3MR-09	1F	12	11.46	10.7	15	15	11.5	17.5	-	0.005	AL
	14-3MR-09	1F	14	13.37	12.61	16	16	11.5	17.5	-	0.007	AL
	15-3MR-09	1F	15	14.32	13.56	17.5	17.5	11.5	17.5	-	0.008	AL
	16-3MR-09	6F	16	15.28	14.52	18	10	12.8	20.6	4	0.005	AL
	18-3MR-09	6F	18	17.19	16.43	19.5	11	12.8	20.6	6	0.008	AL
	20-3MR-09	6F	20	19.1	18.34	23	13	12.8	20.6	6	0.011	AL
	21-3MR-09	6F	21	20.05	19.29	25	14	12.8	20.6	6	0.013	AL
	22-3MR-09	6F	22	21.01	20.25	25	14	12.8	20.6	6	0.02	AL
	24-3MR-09	6F	24	22.92	22.16	25	14	12.8	20.6	6	0.015	AL
	26-3MR-09	6F	26	24.83	24.07	28	16	12.8	20.6	6	0.02	AL
	28-3MR-09	6F	28	26.74	25.98	32	18	12.8	20.6	6	0.03	AL
	30-3MR-09	6F	30	28.65	27.89	32	20	12.8	20.6	6	0.027	AL
	32-3MR-09	6F	32	30.56	29.8	36	22	12.8	20.6	6	0.03	AL
	36-3MR-09	6F	36	34.38	33.62	38	26	13.4	22.2	6	0.05	AL
	40-3MR-09	6F	40	38.2	37.44	42	28	13.4	22.2	6	0.06	AL
	44-3MR-09	6F	44	42.02	41.26	48	33	13.4	22.2	6	0.07	AL
	48-3MR-09	6	48	45.84	45.08	-	33	13.4	22.2	8	0.07	AL
3MR for a belt width of 15 mm	60-3MR-09	6	60	57.3	56.54	-	33	13.4	22.2	8	0.11	AL
	72-3MR-09	6	72	68.75	67.99	-	33	13.4	22.2	8	0.15	AL
	10-3MR-15	1F	10	9.55	8.79	13	13	18	26	-	0.003	AL
	12-3MR-15	1F	12	11.46	10.7	15	15	18	26	-	0.008	AL
	14-3MR-15	1F	14	13.37	12.61	16	16	18	26	-	0.01	AL
	15-3MR-15	1F	15	14.32	13.56	17.5	17.5	18	26	-	0.006	AL
	16-3MR-15	6F	16	15.28	14.52	18	10	19.5	26	4	0.009	AL
	18-3MR-15	6F	18	17.19	16.43	19.5	11	19.5	26	6	0.01	AL
	20-3MR-15	6F	20	19.1	18.34	23	13	19.5	26	6	0.014	AL
	21-3MR-15	6F	21	20.05	19.29	25	14	19.5	26	6	0.02	AL
	22-3MR-15	6F	22	21.01	20.25	25	14	19.5	26	6	0.02	AL
	24-3MR-15	6F	24	22.92	22.16	25	14	19.5	26	6	0.03	AL
	26-3MR-15	6F	26	24.83	24.07	28	16	19.5	26	6	0.03	AL
	28-3MR-15	6F	28	26.74	25.98	32	18	19.5	26	6	0.03	AL
	30-3MR-15	6F	30	28.65	27.89	32	20	19.5	26	6	0.04	AL
	32-3MR-15	6F	32	30.56	29.8	36	22	19.5	26	6	0.04	AL
	36-3MR-15	6F	36	34.38	33.62	38	26	20	30	6	0.06	AL
	40-3MR-15	6F	40	38.2	37.44	42	28	20	30	6	0.08	AL
	44-3MR-15	6F	44	42.02	41.26	48	33	20	30	6	0.1	AL
	48-3MR-15	6	48	45.84	45.08	-	33	20	30	8	0.1	AL
	60-3MR-15	6	60	57.3	56.54	-	33	20	30	8	0.15	AL
	72-3MR-15	6	72	68.75	67.99	-	33	20	30	8	0.21	AL



PowerGrip® GT toothed belt pulleys

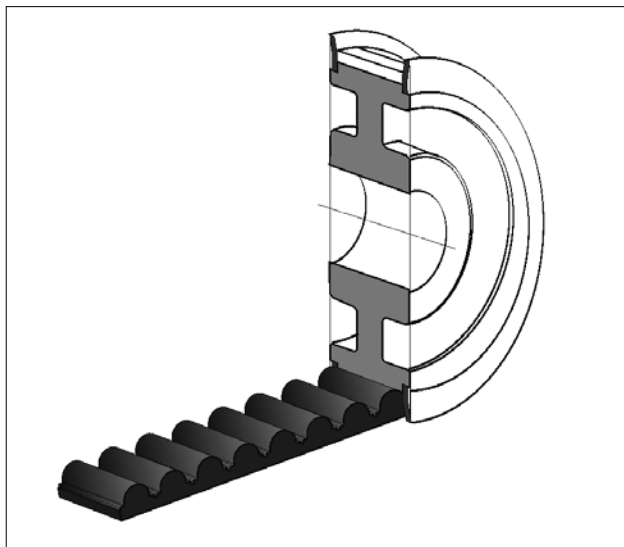
with pre-drilled bores

Pitch 5MR

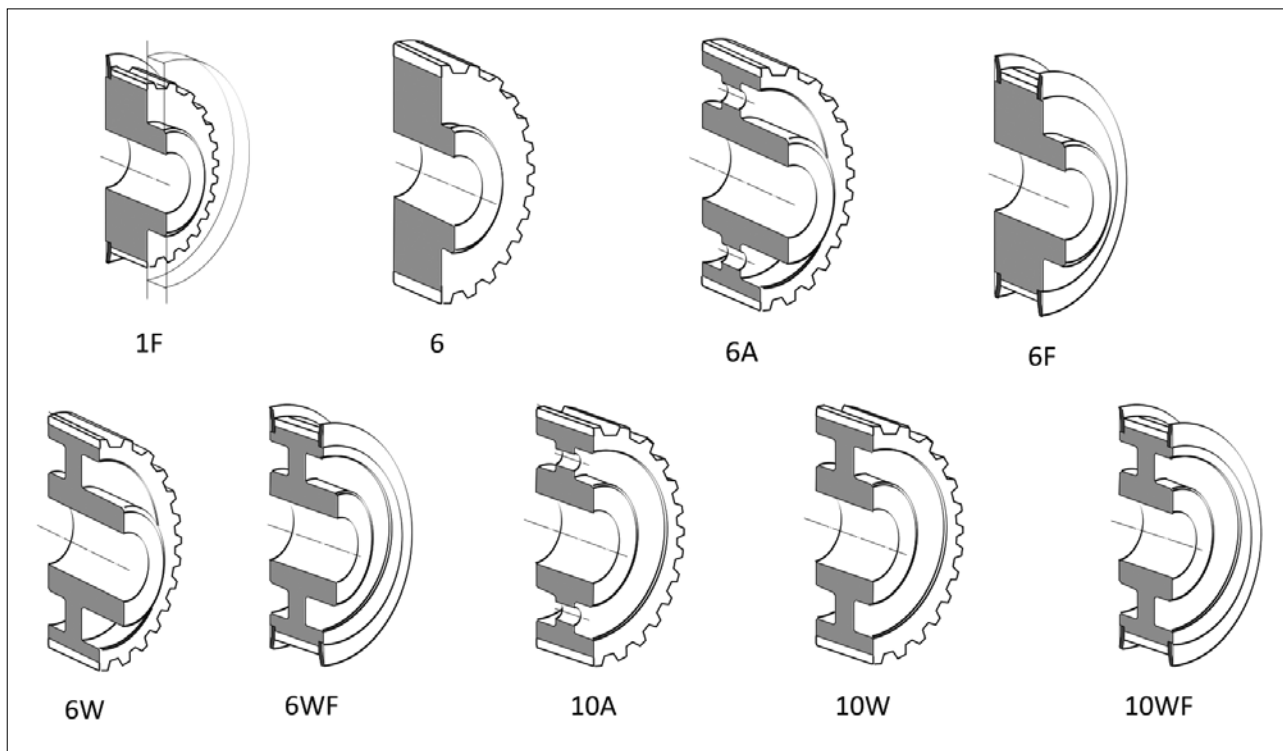
	Designation	Type	Number of teeth	Dp	Do	Df	Dh	Di	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
5MR for a belt width of 9 mm	12-5MR-09	6F	12	19.1	17.96	23	13	-	14.5	20	4	0.03	Steel
	14-5MR-09	6F	14	22.28	21.14	25	14	-	14.5	20	6	0.04	Steel
	15-5MR-09	6F	15	23.87	22.73	28	16	-	14.5	20	6	0.05	Steel
	16-5MR-09	6F	16	25.46	24.32	28	16.5	-	14.5	20	6	0.05	Steel
	18-5MR-09	6F	18	28.65	27.51	32	20	-	14.5	20	6	0.07	Steel
	20-5MR-09	6F	20	31.83	30.69	36	23	-	14.5	22.5	6	0.1	Steel
	21-5MR-09	6F	21	33.42	32.28	38	24	-	14.5	22.5	6	0.11	Steel
	22-5MR-09	6F	22	35.01	33.87	38	25.5	-	14.5	22.5	6	0.12	Steel
	24-5MR-09	6F	24	38.2	37.06	42	27	-	14.5	22.5	6	0.14	Steel
	26-5MR-09	6F	26	41.38	40.24	44	30	-	14.5	22.5	6	0.17	Steel
	28-5MR-09	6F	28	44.56	43.42	48	30.5	-	14.5	22.5	6	0.2	Steel
	30-5MR-09	6F	30	47.75	46.6	51	35	-	14.5	22.5	6	0.24	Steel
	32-5MR-09	6F	32	50.93	49.79	54	38	-	14.5	22.5	8	0.27	Steel
	36-5MR-09	6F	36	57.3	56.16	60	38	-	14.5	22.5	8	0.33	Steel
	40-5MR-09	6F	40	63.66	62.52	71	38	-	14.5	22.5	8	0.4	Steel
	44-5MR-09	6W	44	70.03	68.89	-	38	58.5	14.5	25.5	8	0.17	AL
5MR for a belt width of 15 mm	48-5MR-09	6W	48	76.39	75.25	-	45	61	14.5	25.5	8	0.18	AL
	60-5MR-09	6W	60	95.49	94.35	-	45	80	14.5	25.5	8	0.22	AL
	72-5MR-09	6W	72	114.59	113.45	-	45	100	14.5	25.5	8	0.26	AL
	12-5MR-15	6F	12	19.1	17.96	23	13	-	20.5	26	4	0.04	Steel
	14-5MR-15	6F	14	22.28	21.14	25	14	-	20.5	26	6	0.05	Steel
	15-5MR-15	6F	15	23.87	22.73	28	16	-	20.5	26	6	0.06	Steel
	16-5MR-15	6F	16	25.46	24.32	28	16.5	-	20.5	26	6	0.07	Steel
	18-5MR-15	6F	18	28.65	27.51	32	20	-	20.5	26	6	0.09	Steel
	20-5MR-15	6F	20	31.83	30.69	36	23	-	20.5	26	6	0.12	Steel
	21-5MR-15	6F	21	33.42	32.28	38	24	-	20.5	26	6	0.13	Steel
	22-5MR-15	6F	22	35.01	33.87	38	25.5	-	20.5	26	6	0.14	Steel
	24-5MR-15	6F	24	38.2	37.06	42	27	-	20.5	28	6	0.18	Steel
	26-5MR-15	6F	26	41.38	40.24	44	30	-	20.5	28	6	0.22	Steel
	28-5MR-15	6F	28	44.56	43.42	48	30.5	-	20.5	28	6	0.25	Steel
	30-5MR-15	6F	30	47.75	46.6	51	35	-	20.5	28	6	0.3	Steel
	32-5MR-15	6F	32	50.93	49.79	54	38	-	20.5	28	8	0.35	Steel
5MR for a belt width of 25 mm	36-5MR-15	6F	36	57.3	56.16	60	38	-	20.5	28	8	0.43	Steel
	40-5MR-15	6F	40	63.66	62.52	71	38	-	20.5	28	8	0.52	Steel
	44-5MR-15	6W	44	70.03	68.89	-	38	56.5	20.5	30	8	0.23	AL
	48-5MR-15	6W	48	76.39	75.25	-	38	61	20.5	30	8	0.19	AL
	60-5MR-15	6W	60	95.49	94.35	-	50	80	20.5	30	8	0.3	AL
	72-5MR-15	6W	72	114.59	113.45	-	50	100	20.5	30	8	0.38	AL
	12-5MR-25	6F	12	19.1	17.96	23	13	-	30	36	4	0.05	Steel
	14-5MR-25	6F	14	22.28	21.14	25	14	-	30	36	6	0.07	Steel
	15-5MR-25	6F	15	23.87	22.73	28	16	-	30	36	6	0.08	Steel
	16-5MR-25	6F	16	25.46	24.32	28	16.5	-	30	36	6	0.1	Steel
	18-5MR-25	6F	18	28.65	27.51	32	20	-	30	36	6	0.12	Steel
	20-5MR-25	6F	20	31.83	30.69	36	23	-	30	36	6	0.16	Steel
	21-5MR-25	6F	21	33.42	32.28	38	24	-	30	38	6	0.19	Steel
	22-5MR-25	6F	22	35.01	33.87	38	25.5	-	30	38	6	0.21	Steel
	24-5MR-25	6F	24	38.2	37.06	42	27	-	30	38	6	0.25	Steel
	26-5MR-25	6F	26	41.38	40.24	44	30	-	30	38	6	0.3	Steel
	28-5MR-25	6F	28	44.56	43.42	48	30.5	-	30	38	6	0.35	Steel
	30-5MR-25	6F	30	47.75	46.6	51	35	-	30	38	6	0.42	Steel
	32-5MR-25	6F	32	50.93	49.79	54	38	-	30	38	8	0.48	Steel
	36-5MR-25	6F	36	57.3	56.16	60	38	-	30	38	8	0.59	Steel
	40-5MR-25	6F	40	63.66	62.52	71	38	-	30	38	8	0.74	Steel
	44-5MR-25	6	44	70.03	68.89	-	38	-	30	40	8	0.32	AL
	48-5MR-25	6W	48	76.39	75.25	-	38	61	30	40	8	0.28	AL
	60-5MR-25	6W	60	95.49	94.35	-	50	80	30	40	8	0.43	AL
	72-5MR-25	6W	72	114.59	113.45	-	50	100	30	40	8	0.52	AL

HTD® toothed belt pulleys

with pre-drilled bores



Versions:

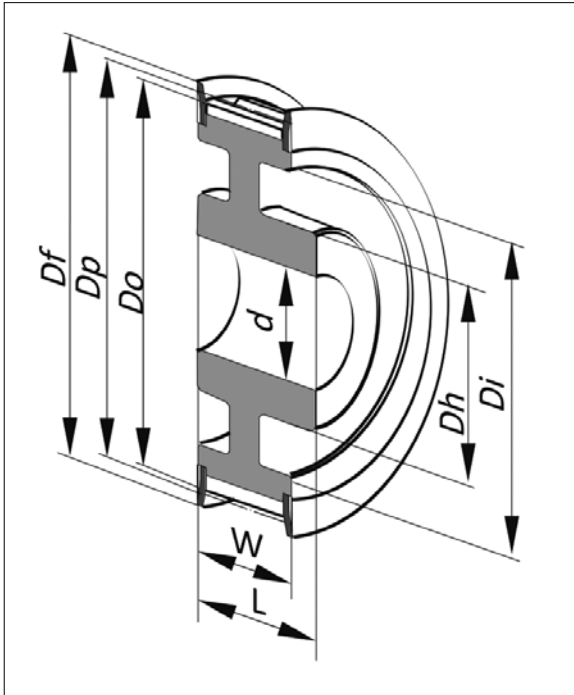


We will be happy to help you if you need individual advice or customised toothed belt pulleys according to drawing.



HTD® toothed belt pulleys

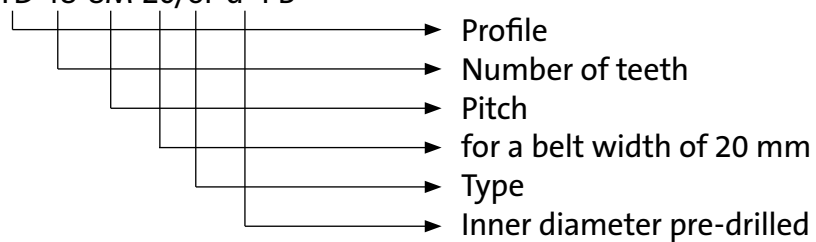
with pre-drilled bores



- Df: Rim flange diameter
- Dp: Pitch diameter
- Do: Outside diameter
- Dh: Hub diameter
- Di: Inside diameter of ring gear
- d: Bore diameter (pre-drilled)

Type designation:

Toothed belt pulley HTD 48-8M-20/6F d=PB

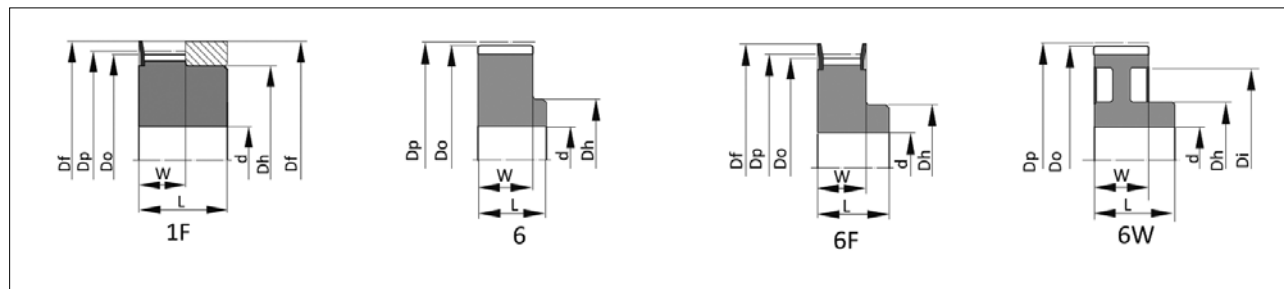


HTD® toothed belt pulleys

with pre-drilled bores



Pitch 3M



	Designation	Number of teeth	Type	Dp	Do	Df	Di	Dh	W	L	d	Weight [kg]	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
3M for a belt width of 6 mm	10-3M-06	10	1F	9.55	8.79	13	-	6	7.2	14.5	0	0.003	AL
	12-3M-06	12	1F	11.46	10.7	15	-	8	7.2	14.5	0	0.004	AL
	14-3M-06	14	1F	13.37	12.61	16	-	9.5	7.2	14.5	0	0.005	AL
	15-3M-06	15	1F	14.32	13.56	17.5	-	10.5	7.2	14.5	0	0.006	AL
	16-3M-06	16	6F	15.28	14.52	17.5	-	10	9.8	17.5	0	0.005	AL
	18-3M-06	18	6F	17.19	16.43	20	-	11	9.8	17.5	0	0.006	AL
	20-3M-06	20	6F	19.1	18.34	23	-	13	9.8	17.5	0	0.008	AL
	21-3M-06	21	6F	20.05	19.29	25	-	13	9.8	17.5	0	0.010	AL
	22-3M-06	22	6F	21.01	20.25	25	-	13	9.8	17.5	0	0.011	AL
	24-3M-06	24	6F	22.92	22.16	25	-	13	9.8	17.5	0	0.012	AL
	26-3M-06	26	6F	24.83	24.07	28	-	16	9.8	17.5	0	0.014	AL
	28-3M-06	28	6F	26.74	25.98	32	-	18	9.8	17.5	0	0.018	AL
	30-3M-06	30	6F	28.65	27.89	32	-	20	9.8	17.5	0	0.021	AL
	32-3M-06	32	6F	30.56	29.8	36	-	22	9.8	17.5	0	0.025	AL
	36-3M-06	36	6F	34.38	33.62	39	-	26	10.3	18	0	0.035	AL
	40-3M-06	40	6F	38.2	37.44	42	-	28	10.3	18	0	0.042	AL
	44-3M-06	44	6F	42.02	41.26	48	-	33	10.3	18	0	0.057	AL
	48-3M-06	48	6	45.84	45.08	-	-	33	10.3	18.6	8	0.057	AL
	60-3M-06	60	6	57.3	56.54	-	-	33	10.3	18.6	8	0.081	AL
	72-3M-06	72	6	68.75	67.99	-	-	33	10.3	18.6	8	0.111	AL
3M for a belt width of 9 mm	10-3M-09	10	1F	9.55	8.79	13	-	6	10.2	17.5	0	0.004	AL
	12-3M-09	12	1F	11.46	10.7	15	-	8	10.2	17.5	0	0.006	AL
	14-3M-09	14	1F	13.37	12.61	16	-	9.5	10.2	17.5	0	0.007	AL
	15-3M-09	15	1F	14.32	13.56	17.5	-	10.5	10.2	17.5	0	0.008	AL
	16-3M-09	16	6F	15.28	14.52	17.5	-	10	12.8	20.6	0	0.007	AL
	18-3M-09	18	6F	17.19	16.43	20	-	10.6	12.8	20.6	0	0.008	AL
	20-3M-09	20	6F	19.1	18.34	23	-	12.4	12.8	20.6	0	0.01	AL
	21-3M-09	21	6F	20.05	19.29	25	-	13	12.8	20.6	0	0.013	AL
	22-3M-09	22	6F	21.01	20.25	25	-	13	12.8	20.6	0	0.014	AL
	24-3M-09	24	6F	22.92	22.16	25	-	13	12.8	20.6	0	0.016	AL
	26-3M-09	26	6F	24.83	24.07	28	-	16	12.8	20.6	0	0.018	AL
	28-3M-09	28	6F	26.74	25.98	32	-	18	12.8	20.6	0	0.024	AL
	30-3M-09	30	6F	28.65	27.89	32	-	20	12.8	20.6	0	0.028	AL
	32-3M-09	32	6F	30.56	29.8	36	-	22	12.8	20.6	0	0.032	AL
	36-3M-09	36	6F	34.38	33.62	39	-	26	13.4	22.2	0	0.045	AL
	40-3M-09	40	6F	38.2	37.44	42	-	28	13.4	22.2	0	0.055	AL
	44-3M-09	44	6F	42.02	41.26	48	-	33	13.4	22.2	0	0.074	AL
	48-3M-09	48	6	45.84	45.08	-	-	33	13.4	22.2	8	0.074	AL
	60-3M-09	60	6	57.3	56.54	-	-	33	13.4	22.2	8	0.106	AL
	72-3M-09	72	6	68.75	67.99	-	-	33	13.4	22.2	8	0.145	AL
3M for a belt width of 15 mm	10-3M-15	10	1F	9.55	8.79	13	-	6	17	26	0	0.006	AL
	12-3M-15	12	1F	11.46	10.7	15	-	8	17	26	0	0.008	AL
	14-3M-15	14	1F	13.37	12.61	16	-	9.5	17	26	0	0.01	AL
	15-3M-15	15	1F	14.32	13.56	17.5	-	10.5	17	26	0	0.012	AL
	16-3M-15	16	6F	15.28	14.52	17.5	-	10	19.5	26	0	0.01	AL
	18-3M-15	18	6F	17.19	16.43	20	-	10.6	19.5	26	0	0.012	AL
	20-3M-15	20	6F	19.1	18.34	23	-	12.4	19.5	26	0	0.014	AL
	21-3M-15	21	6F	20.05	19.29	25	-	13	19.5	26	0	0.016	AL
	22-3M-15	22	6F	21.01	20.25	25	-	13	19.5	26	0	0.018	AL
	24-3M-15	24	6F	22.92	22.16	25	-	13	19.5	26	0	0.02	AL
	26-3M-15	26	6F	24.83	24.07	28	-	16	19.5	26	0	0.027	AL
	28-3M-15	28	6F	26.74	25.98	32	-	18	19.5	26	0	0.03	AL
	30-3M-15	30	6F	28.65	27.89	32	-	20	19.5	26	0	0.035	AL
	32-3M-15	32	6F	30.56	29.8	36	-	22	19.5	26	0	0.042	AL
	36-3M-15	36	6F	34.38	33.62	39	-	26	20	30	0	0.06	AL
	40-3M-15	40	6F	38.2	37.44	42	-	28	20	30	0	0.075	AL
	44-3M-15	44	6F	42.02	41.26	48	-	33	20	30	0	0.095	AL
	48-3M-15	48	6	45.84	45.08	-	-	33	20	30	8	0.103	AL
	60-3M-15	60	6	57.3	56.54	-	-	33	20	30	8	0.15	AL
	72-3M-15	72	6	68.75	67.99	-	-	33	20	30	8	0.212	AL



HTD® toothed belt pulleys

with pre-drilled bores

Pitch 5M

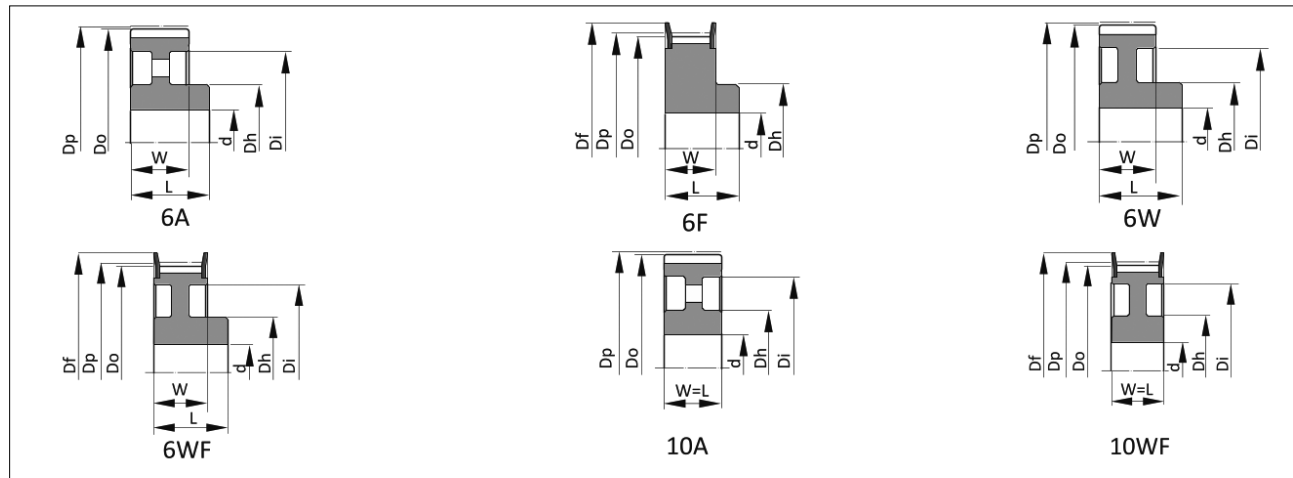
	Designation	Number of teeth	Type	Dp	Do	Df	Di	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
5M for a belt width of 9 mm	12-5M-09	12	6F	19.1	17.96	23	-	12	14.5	20	0	0.028	Steel
	14-5M-09	14	6F	22.28	21.14	25	-	13	14.5	20	0	0.034	Steel
	15-5M-09	15	6F	23.87	22.73	28	-	16	14.5	20	0	0.042	Steel
	16-5M-09	16	6F	25.46	24.32	28	-	16.2	14.5	20	0	0.05	Steel
	18-5M-09	18	6F	28.65	27.51	32	-	20	14.5	20	0	0.07	Steel
	20-5M-09	20	6F	31.83	30.69	36	-	23	14.5	22.5	0	0.094	Steel
	21-5M-09	21	6F	33.42	32.28	38	-	24	14.5	22.5	0	0.11	Steel
	22-5M-09	22	6F	35.01	33.87	39	-	25.5	14.5	22.5	0	0.118	Steel
	24-5M-09	24	6F	38.2	37.06	42	-	27	14.5	22.5	0	0.145	Steel
	26-5M-09	26	6F	41.38	40.24	44	-	30	14.5	22.5	0	0.17	Steel
	28-5M-09	28	6F	44.56	43.42	48	-	30.5	14.5	22.5	0	0.2	Steel
	30-5M-09	30	6F	47.75	46.6	51	-	35	14.5	22.5	0	0.236	Steel
	32-5M-09	32	6F	50.93	49.79	54	-	38	14.5	22.5	8	0.21	Steel
	36-5M-09	36	6F	57.3	56.16	60	-	38	14.5	22.5	8	0.324	Steel
	40-5M-09	40	6F	63.66	62.52	71	-	38	14.5	22.5	8	0.4	Steel
5M a belt width of 15 mm	44-5M-09	44	6W	70.03	68.89	-	54	38	14.5	25.5	8	0.17	AL
	48-5M-09	48	6W	76.39	75.25	-	61	45	14.5	25.5	8	0.182	AL
	60-5M-09	60	6W	95.46	94.35	-	80	45	14.5	25.5	8	0.23	AL
	72-5M-09	72	6W	114.59	113.45	-	100	45	14.5	25.5	8	0.27	AL
	12-5M-15	12	6F	19.1	17.96	23	-	12	20.5	26	0	0.034	Steel
	14-5M-15	14	6F	22.28	21.14	25	-	13	20.5	26	0	0.046	Steel
	15-5M-15	15	6F	23.87	22.73	28	-	16	20.5	26	0	0.056	Steel
	16-5M-15	16	6F	25.46	24.32	28	-	16.2	20.5	26	0	0.064	Steel
	18-5M-15	18	6F	28.65	27.51	32	-	20	20.5	26	0	0.086	Steel
	20-5M-15	20	6F	31.83	30.69	36	-	23	20.5	26	0	0.112	Steel
	21-5M-15	21	6F	33.42	32.28	38	-	24	20.5	26	0	0.13	Steel
	22-5M-15	22	6F	35.01	33.87	39	-	25.5	20.5	26	0	0.14	Steel
	24-5M-15	24	6F	38.2	37.06	42	-	27	20.5	28	0	0.18	Steel
	26-5M-15	26	6F	41.38	40.24	44	-	30	20.5	28	0	0.22	Steel
	28-5M-15	28	6F	44.56	43.42	48	-	30.5	20.5	28	0	0.25	Steel
5M for a belt width of 25 mm	30-5M-15	30	6F	47.75	46.6	51	-	35	20.5	28	0	0.3	Steel
	32-5M-15	32	6F	50.93	49.79	54	-	38	20.5	28	8	0.35	Steel
	36-5M-15	36	6F	57.3	56.16	60	-	38	20.5	28	8	0.426	Steel
	40-5M-15	40	6F	63.66	62.52	71	-	38	20.5	28	8	0.52	Steel
	44-5M-15	44	6W	70.03	68.89	-	54	38	20.5	30	8	0.225	AL
	48-5M-15	48	6W	76.39	75.25	-	61	45	20.5	30	8	0.187	AL
	60-5M-15	60	6W	95.46	94.35	-	80	45	20.5	30	8	0.305	AL
	72-5M-15	72	6W	114.59	113.45	-	100	45	20.5	30	8	0.305	AL
	12-5M-25	12	6F	19.1	17.96	23	-	12	30.5	36	0	0.05	Steel
	14-5M-25	14	6F	22.28	21.14	25	-	13	30.5	36	0	0.07	Steel
	15-5M-25	15	6F	23.87	22.73	28	-	16	30.5	36	0	0.08	Steel
	16-5M-25	16	6F	25.46	24.32	28	-	16.5	30.5	36	0	0.1	Steel
	18-5M-25	18	6F	28.65	27.51	32	-	20	30.5	36	0	0.12	Steel
	20-5M-25	20	6F	31.83	30.69	36	-	23	30.5	36	0	0.16	Steel
	21-5M-25	21	6F	33.42	32.28	38	-	24	30.5	38.5	0	0.19	Steel
5M for a belt width of 25 mm	22-5M-25	22	6F	35.01	33.87	39	-	25.5	30.5	38.5	0	0.21	Steel
	24-5M-25	24	6F	38.2	37.06	42	-	27	30.5	38.5	0	0.25	Steel
	26-5M-25	26	6F	41.38	40.24	44	-	30	30.5	38.5	0	0.3	Steel
	28-5M-25	28	6F	44.56	43.42	48	-	30.5	30.5	38.5	0	0.35	Steel
	30-5M-25	30	6F	47.75	46.6	51	-	35	30.5	38.5	0	0.42	Steel
	32-5M-25	32	6F	50.93	49.79	54	-	38	30.5	38.5	8	0.48	Steel
	36-5M-25	36	6F	57.3	56.16	60	-	38	30.5	38.5	8	0.59	Steel
	40-5M-25	40	6F	63.66	62.52	71	-	38	30.5	38.5	8	0.74	Steel
	44-5M-25	44	6W	70.03	68.89	-	54	38	30.5	40.5	8	0.32	AL
	48-5M-25	48	6W	76.39	75.25	-	61	45	30.5	40.5	8	0.275	AL
	60-5M-25	60	6W	95.46	94.35	-	80	45	30.5	40.5	8	0.435	AL
	72-5M-25	72	6W	114.59	113.45	-	100	45	30.5	40.5	8	0.525	AL

HTD® toothed belt pulleys

with pre-drilled bores



Pitch 8M



	Designation	Number of teeth	Type	Dp	Do	Df	Di	Dh	W	L	d	Weight [kg]	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
8M for a belt width of 20 mm	22-8M-20	22	6F	56.02	54.65	60	-	43	28	38	12	0.54	Steel
	24-8M-20	24	6F	61.12	59.75	66	-	45	28	38	12	0.65	Steel
	26-8M-20	26	6F	66.21	64.84	70	-	48	28	38	12	0.8	Steel
	28-8M-20	28	6F	71.3	69.93	75	-	50	28	38	15	0.87	Steel
	30-8M-20	30	6F	76.39	75.02	83	-	55	28	38	15	1.02	Steel
	32-8M-20	32	6F	81.49	80.16	87	-	60	28	38	15	1.2	Steel
	34-8M-20	34	6F	86.58	85.22	91	-	70	28	38	15	1.4	Steel
	36-8M-20	36	6F	91.67	90.3	97	-	75	28	38	15	1.55	Steel
	38-8M-20	38	6F	96.77	95.39	102	-	75	28	38	15	1.65	Steel
	40-8M-20	40	6F	101.86	100.49	106	-	75	28	38	15	1.74	Steel
	44-8M-20	44	6F	112.05	110.67	120	-	75	28	38	15	2.1	Steel
	48-8M-20	48	6F	122.23	120.86	128	-	75	28	38	15	2.44	Steel
	56-8M-20	56	6WF	142.6	141.23	150	116	80	28	38	15	2.6	Steel
	64-8M-20	64	6WF	162.97	161.6	168	137	80	28	38	15	2.9	Steel
	72-8M-20	72	6WF	183.35	181.97	192	158	80	28	38	15	3.1	Steel
	80-8M-20	80	6W	203.72	202.35	-	180	90	28	38	15	3.8	CI
	90-8M-20	90	6A	229.18	227.81	-	204	90	28	38	15	4.2	CI
8M for a belt width of 30 mm	112-8M-20	112	6A	285.21	283.83	-	254	90	28	38	18	5.2	CI
	144-8M-20	144	6A	366.69	365.32	-	336	90	28	38	20	7.5	CI
	168-8M-20	168	6A	427.81	426.44	-	400	100	28	38	20	10	CI
	192-8M-20	192	6A	488.92	487.55	-	460	100	28	38	20	14.4	CI
	22-8M-30	22	6F	56.02	54.65	60	-	43	38	48	12	0.69	Steel
	24-8M-30	24	6F	61.12	59.75	66	-	45	38	48	12	0.84	Steel
	26-8M-30	26	6F	66.21	64.84	70	-	48	38	48	12	1	Steel
	28-8M-30	28	6F	71.3	69.93	75	-	50	38	48	15	1.12	Steel
	30-8M-30	30	6F	76.39	75.02	83	-	55	38	48	15	1.32	Steel
	32-8M-30	32	6F	81.49	80.16	87	-	60	38	48	15	1.53	Steel
	34-8M-30	34	6F	86.58	85.22	91	-	70	38	48	15	1.8	Steel
	36-8M-30	36	6F	91.67	90.3	97	-	75	38	48	15	1.99	Steel
	38-8M-30	38	6F	96.77	95.39	102	-	75	38	48	15	2.27	Steel
	40-8M-30	40	6F	101.86	100.49	106	-	75	38	48	15	2.4	Steel
	44-8M-30	44	6F	112.05	110.67	120	-	75	38	48	15	2.8	Steel
	48-8M-30	48	6F	122.23	120.86	128	-	75	38	48	15	3.2	Steel
	56-8M-30	56	6WF	142.6	141.23	150	116	90	38	48	15	3.6	Steel
	64-8M-30	64	6WF	162.97	161.6	168	137	90	38	48	15	4.3	Steel
	72-8M-30	72	6WF	183.35	181.97	192	158	95	38	48	15	4.8	Steel
	80-8M-30	80	6W	203.72	202.35	-	180	100	38	48	15	5.1	CI
	90-8M-30	90	6A	229.18	227.81	-	204	100	38	48	15	5.7	CI
	112-8M-30	112	6A	285.21	283.83	-	254	100	38	48	18	6.8	CI
	144-8M-30	144	6A	366.69	365.32	-	336	100	38	48	20	9.3	CI
	168-8M-30	168	6A	427.81	426.44	-	400	100	38	48	20	11.4	CI
	192-8M-30	192	6A	488.92	487.55	-	460	100	38	48	20	16	CI



HTD® toothed belt pulleys

with pre-drilled bores

Pitch 8M

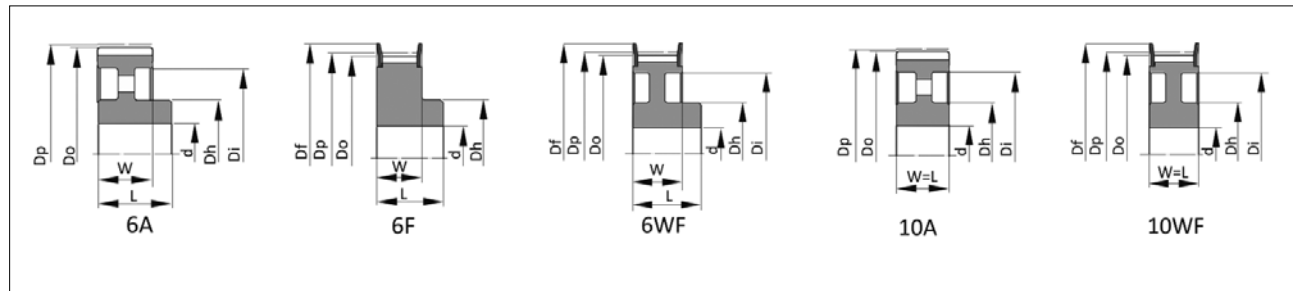
	Designation	Num- ber of teeth	Type	Dp	Do	Df	Di	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
8M for a belt width of 50 mm	22-8M-50	22	6F	56.02	54.65	60	-	43	60	70	12	1	Steel
	24-8M-50	24	6F	61.12	59.75	66	-	45	60	70	12	1.23	Steel
	26-8M-50	26	6F	66.21	64.84	70	-	48	60	70	15	1.5	Steel
	28-8M-50	28	6F	71.3	69.93	75	-	50	60	70	15	1.67	Steel
	30-8M-50	30	6F	76.39	75.02	83	-	55	60	70	15	1.97	Steel
	32-8M-50	32	6F	81.49	80.16	87	-	60	60	70	15	2.27	Steel
	34-8M-50	34	6F	86.58	85.22	91	-	70	60	70	15	2.69	Steel
	36-8M-50	36	6F	91.67	90.3	97	-	75	60	70	15	2.97	Steel
	38-8M-50	38	6F	96.77	95.39	102	-	75	60	70	15	3.23	Steel
	40-8M-50	40	6F	101.86	100.49	106	-	75	60	70	18	3.5	Steel
	44-8M-50	44	6F	112.05	110.67	120	-	75	60	70	18	3.9	Steel
	48-8M-50	48	6F	122.23	120.86	128	-	75	60	70	18	4.3	Steel
	56-8M-50	56	10WF	142.6	141.23	150	116	80	60	60	18	5	Steel
	64-8M-50	64	10WF	162.97	161.6	168	137	80	60	60	18	5.6	Steel
	72-8M-50	72	10WF	183.35	181.97	192	158	80	60	60	18	6.8	Steel
	80-8M-50	80	10W	203.72	202.35	-	180	110	60	60	18	6.9	CI
	90-8M-50	90	10A	229.18	227.81	-	204	110	60	60	18	8.6	CI
	112-8M-50	112	10A	285.21	283.83	-	254	110	60	60	18	9.6	CI
	144-8M-50	144	10A	366.69	365.32	-	336	110	60	60	20	13.8	CI
	168-8M-50	168	10A	427.81	426.44	-	400	120	60	60	20	16	CI
	192-8M-50	192	10A	488.92	487.55	-	460	130	60	60	20	22.4	CI
8M for a belt width of 85 mm	22-8M-85	22	6F	56.02	54.65	60	-	43	95	105	12	1.55	Steel
	24-8M-85	24	6F	61.12	59.75	66	-	45	95	105	12	1.9	Steel
	26-8M-85	26	6F	66.21	64.84	70	-	48	95	105	12	2.25	Steel
	28-8M-85	28	6F	71.3	69.93	75	-	50	95	105	15	2.55	Steel
	30-8M-85	30	6F	76.39	75.02	83	-	55	95	105	15	3	Steel
	32-8M-85	32	6F	81.49	80.16	87	-	60	95	105	15	3.57	Steel
	34-8M-85	34	6F	86.58	85.22	91	-	66	95	105	15	4	Steel
	36-8M-85	36	6F	91.67	90.3	97	-	70	95	105	15	4.5	Steel
	38-8M-85	38	6F	96.77	95.39	102	-	75	95	105	15	5	Steel
	40-8M-85	40	6F	101.86	100.49	106	-	75	95	105	18	5.2	Steel
	44-8M-85	44	6F	112.05	110.67	120	-	75	95	105	18	6.6	Steel
	48-8M-85	48	6F	122.23	120.86	128	-	80	95	105	18	7	Steel
	56-8M-85	56	6F	142.6	141.23	150	-	90	95	105	18	10	Steel
	64-8M-85	64	10WF	162.97	161.6	168	137	100	95	95	20	10.4	Steel
	72-8M-85	72	10WF	183.35	181.97	192	158	100	95	95	20	11.4	Steel
	80-8M-85	80	10W	203.72	202.35	-	180	110	95	95	20	11.1	CI
	90-8M-85	90	10A	229.18	227.81	-	204	110	95	95	20	12.2	CI
	112-8M-85	112	10A	285.21	283.83	-	254	110	95	95	24	15	CI
	144-8M-85	144	10A	366.69	365.32	-	336	110	95	95	24	21.5	CI
	168-8M-85	168	10A	427.81	426.44	-	400	120	95	95	24	24.1	CI
	192-8M-85	192	10A	488.92	487.55	-	460	130	95	95	24	30.6	CI

HTD® toothed belt pulleys

with pre-drilled bores



Pitch 14M



	Designation	Num- ber of teeth	Type	Dp	Do	Df	Di	Dh	W	L	d	Weight [kg]	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
14M for a belt width of 40 mm	28-14M-40	28	6F	124.78	122.12	128	-	100	54	69	24	4.73	Steel
	29-14M-40	29	6F	129.23	126.57	138	-	100	54	69	24	5.09	Steel
	30-14M-40	30	6F	133.69	130.99	138	-	100	54	69	24	5.45	Steel
	32-14M-40	32	6F	142.6	139.88	154	-	100	54	69	24	6.17	Steel
	34-14M-40	34	6F	151.52	148.79	160	-	100	54	69	24	6.88	Steel
	36-14M-40	36	6F	160.43	157.68	168	-	100	54	69	24	7.6	Steel
	38-14M-40	38	6F	169.34	166.6	183	-	120	54	69	24	8.28	Steel
	40-14M-40	40	6F	178.25	175.49	188	-	120	54	69	24	9.26	Steel
	44-14M-40	44	6F	196.08	193.28	211	-	120	54	69	24	10.32	Steel
	48-14M-40	48	6WF	213.9	211.11	226	170	135	54	69	24	11.5	CI
	56-14M-40	56	6WF	249.55	246.76	256	207	135	54	69	28	13.05	CI
	64-14M-40	64	6WF	285.21	282.41	296	240	135	54	69	28	14.4	CI
	72-14M-40	72	6A	320.86	318.06	-	280	135	54	69	28	16.9	CI
	80-14M-40	80	6A	356.51	353.71	-	314	135	54	69	28	18.5	CI
	90-14M-40	90	6A	401.07	398.28	-	358	135	54	69	28	20	CI
	112-14M-40	112	6A	499.11	496.32	-	456	135	54	69	28	26.7	CI
	144-14M-40	144	6A	641.71	638.92	-	600	135	54	69	28	35	CI
	168-14M-40	168	6A	748.66	745.87	-	706	135	54	69	28	44.2	CI
14M for a belt width of 55 mm	192-14M-40	192	6A	855.62	852.82	-	813	135	54	69	28	52.2	CI
	216-14M-40	216	6A	962.57	959.76	-	920	150	54	69	28	62.5	CI
	28-14M-55	28	6F	124.78	122.12	128	-	100	70	85	24	5.6	Steel
	29-14M-55	29	6F	129.23	126.57	138	-	100	70	85	24	6.1	Steel
	30-14M-55	30	6F	133.69	130.99	138	-	100	70	85	24	6.6	Steel
	32-14M-55	32	6F	142.6	139.88	154	-	100	70	85	24	7.6	Steel
	34-14M-55	34	6F	151.52	148.79	160	-	100	70	85	24	8.6	Steel
	36-14M-55	36	6F	160.43	157.68	168	-	100	70	85	24	9.6	Steel
	38-14M-55	38	6F	169.34	166.6	183	-	120	70	85	24	10.8	Steel
	40-14M-55	40	6F	178.25	175.49	188	-	120	70	85	24	11.2	Steel
	44-14M-55	44	6F	196.08	193.28	211	-	120	70	85	24	12.5	Steel
	48-14M-55	48	10WF	213.9	211.11	226	170	135	70	70	24	13.7	CI
	56-14M-55	56	10WF	249.55	246.76	256	207	135	70	70	28	14.5	CI
	64-14M-55	64	10WF	285.21	282.41	296	240	135	70	70	28	15.6	CI
	72-14M-55	72	10A	320.86	318.06	-	280	135	70	70	28	16.9	CI
	80-14M-55	80	10A	356.51	353.71	-	314	135	70	70	28	20	CI
	90-14M-55	90	10A	401.07	398.28	-	358	135	70	70	28	22.6	CI
	112-14M-55	112	10A	499.11	496.32	-	456	135	70	70	28	29.5	CI
	144-14M-55	144	10A	641.71	638.92	-	600	135	70	70	28	39	CI
	168-14M-55	168	10A	748.66	745.87	-	706	135	70	70	28	48.5	CI
	192-14M-55	192	10A	855.62	852.82	-	813	135	70	70	28	57.8	CI
	216-14M-55	216	10A	962.57	959.76	-	920	150	70	70	28	67	CI



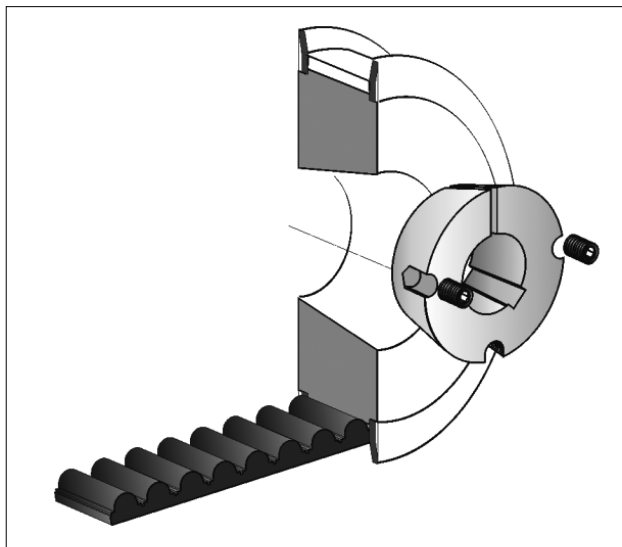
HTD® toothed belt pulleys

with pre-drilled bores

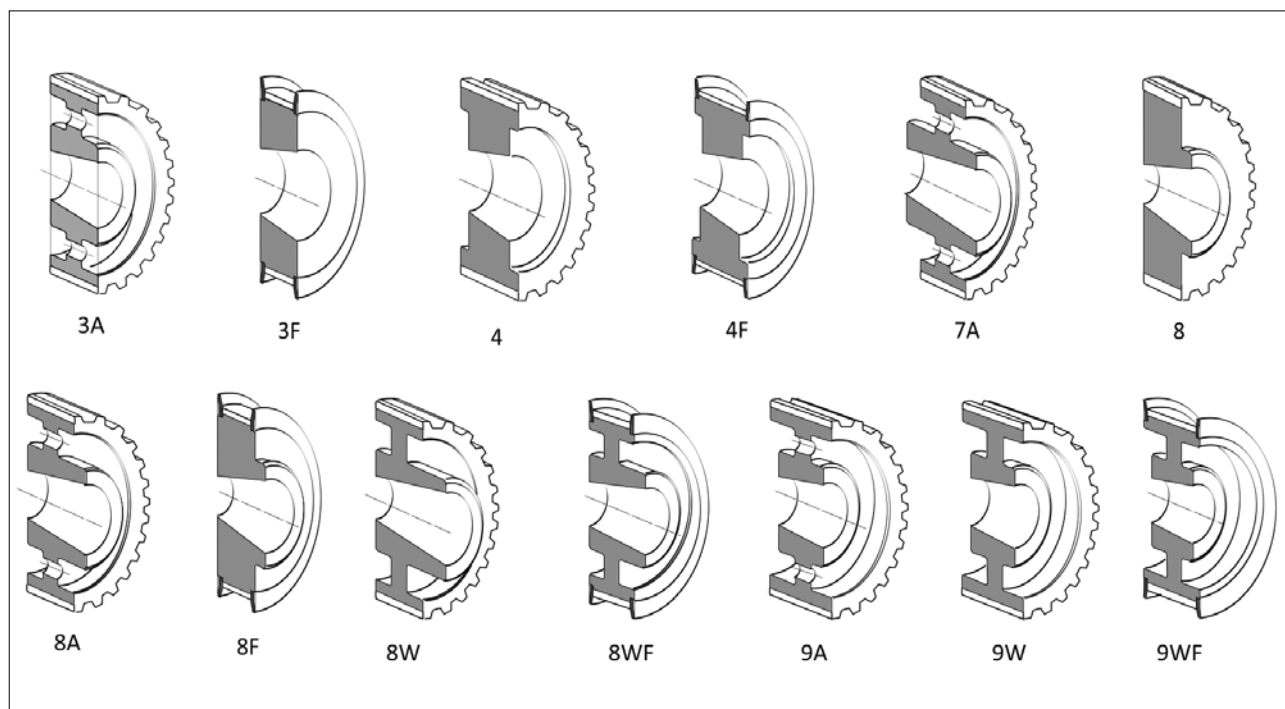
	Designation	Num- ber of teeth	Type	Dp	Do	Df	Di	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
14M for a belt width of 85 mm	28-14M-85	28	6F	124.78	122.12	128	-	100	102	117	24	7.7	Steel
	29-14M-85	29	6F	129.23	126.57	138	-	100	102	117	24	8.4	Steel
	30-14M-85	30	6F	133.69	130.99	138	-	100	102	117	24	9.1	Steel
	32-14M-85	32	6F	142.6	139.88	154	-	100	102	117	24	10.5	Steel
	34-14M-85	34	6F	151.52	148.79	160	-	100	102	117	24	11.9	Steel
	36-14M-85	36	6F	160.43	157.68	168	-	100	102	117	32	13.2	Steel
	38-14M-85	38	6F	169.34	166.6	183	-	120	102	117	32	15.15	Steel
	40-14M-85	40	6F	178.25	175.49	188	-	135	102	117	32	17.1	Steel
	44-14M-85	44	6F	196.08	193.28	211	-	135	102	117	32	23.3	Steel
	48-14M-85	48	6F	213.9	211.11	226	-	150	102	117	32	25	Steel
	56-14M-85	56	10WF	249.55	246.76	256	207	150	102	102	32	25	CI
	64-14M-85	64	10WF	285.21	282.41	296	240	150	102	102	32	30.5	CI
	72-14M-85	72	10A	320.86	318.06	-	278	150	102	102	32	28.8	CI
	80-14M-85	80	10A	356.51	353.71	-	314	150	102	102	32	30.1	CI
	90-14M-85	90	10A	401.07	398.28	-	358	150	102	102	32	33	CI
	112-14M-85	112	10A	499.11	496.32	-	456	150	102	102	32	41.8	CI
	144-14M-85	144	10A	641.71	638.92	-	600	150	102	102	32	52.4	CI
	168-14M-85	168	10A	748.66	745.87	-	706	150	102	102	32	60.3	CI
	192-14M-85	192	10A	855.62	852.82	-	813	165	102	102	32	70.2	CI
	216-14M-85	216	10A	962.57	959.76	-	920	160	102	102	32	81	CI
14M for a belt width of 115 mm	28-14M-115	28	6F	124.78	122.12	128	-	100	133	148	32	9.2	Steel
	29-14M-115	29	6F	129.23	126.57	138	-	100	133	148	32	10.2	Steel
	30-14M-115	30	6F	133.69	130.99	138	-	100	133	148	32	11.2	Steel
	32-14M-115	32	6F	142.6	139.88	154	-	100	133	148	32	13.2	Steel
	34-14M-115	34	6F	151.52	148.79	160	-	100	133	148	32	14.8	Steel
	36-14M-115	36	6F	160.43	157.68	168	-	100	133	148	32	16.6	Steel
	38-14M-115	38	6F	169.34	166.6	183	-	120	133	148	32	19.2	Steel
	40-14M-115	40	6F	178.25	175.49	188	-	135	133	148	32	20.56	Steel
	44-14M-115	44	6F	196.08	193.28	211	-	140	133	148	32	21.93	Steel
	48-14M-115	48	6F	213.9	211.11	226	-	150	133	148	32	25	Steel
	56-14M-115	56	6F	249.55	246.76	256	-	150	133	148	32	27.5	Steel
	64-14M-115	64	10WF	285.21	282.41	296	240	150	133	133	32	30.1	CI
	72-14M-115	72	10A	320.86	318.06	-	278	150	133	133	32	32.83	CI
	80-14M-115	80	10A	356.51	353.71	-	314	150	133	133	32	35.55	CI
	90-14M-115	90	10A	401.07	398.28	-	358	150	133	133	32	41	CI
	112-14M-115	112	10A	499.11	496.32	-	456	150	133	133	32	54.4	CI
	144-14M-115	144	10A	641.71	638.92	-	600	165	133	133	32	67.8	CI
	168-14M-115	168	10A	748.66	745.87	-	706	165	133	133	32	75.8	CI
	192-14M-115	192	10A	855.62	852.82	-	813	165	133	133	32	88.3	CI
	216-14M-115	216	10A	962.57	959.76	-	920	165	133	133	32	98	CI
14M for a belt width of 170 mm	28-14M-170	28	6F	124.78	122.12	128	-	100	187	202	32	9.2	Steel
	29-14M-170	29	6F	129.23	126.57	138	-	100	187	202	32	10.2	Steel
	30-14M-170	30	6F	133.69	130.99	138	-	100	187	202	32	11.2	Steel
	32-14M-170	32	6F	142.6	139.88	154	-	100	187	202	32	13.2	Steel
	34-14M-170	34	6F	151.52	148.79	160	-	100	187	202	32	14.8	Steel
	36-14M-170	36	6F	160.43	157.68	168	-	100	187	202	32	16.6	Steel
	38-14M-170	38	6F	169.34	166.6	183	-	120	187	202	32	19.2	Steel
	40-14M-170	40	6F	178.25	175.49	188	-	135	187	202	32	20.56	Steel
	44-14M-170	44	6F	196.08	193.28	211	-	140	187	202	32	21.93	Steel
	48-14M-170	48	6F	213.9	211.11	226	-	150	187	202	32	25	Steel
	56-14M-170	56	6F	249.55	246.76	256	-	150	187	202	32	27.5	Steel
	64-14M-170	64	10WF	285.21	282.41	296	240	150	187	187	32	30.1	Steel
	72-14M-170	72	10A	320.86	318.06	-	278	150	187	187	32	32.83	CI
	80-14M-170	80	10A	356.51	353.71	-	314	150	187	187	32	35.55	CI
	90-14M-170	90	10A	401.07	398.28	-	358	150	187	187	32	41	CI
	112-14M-170	112	10A	499.11	496.32	-	456	150	187	187	32	54.4	CI
	144-14M-170	144	10A	641.71	638.92	-	600	165	187	187	32	67.8	CI
	168-14M-170	168	10A	748.66	745.87	-	706	165	187	187	32	75.8	CI
	192-14M-170	192	10A	855.62	852.82	-	813	165	187	187	32	88.3	CI
	216-14M-170	216	10A	962.57	959.76	-	920	165	187	187	32	98	CI

HTD® toothed belt pulleys

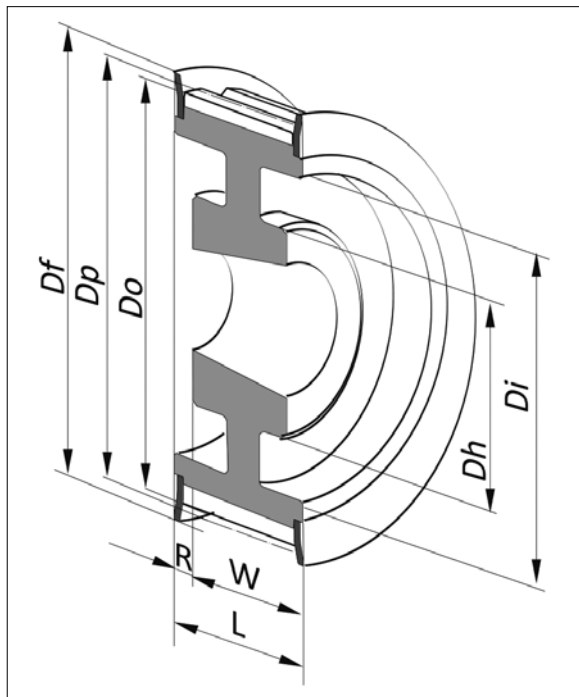
prepared for Taper Lock®



Versions:



We will be happy to help you if you need individual advice or customised toothed belt pulleys according to drawing.



Dp: Pitch diameter

Do: Outside diameter

Df: Rim flange diameter

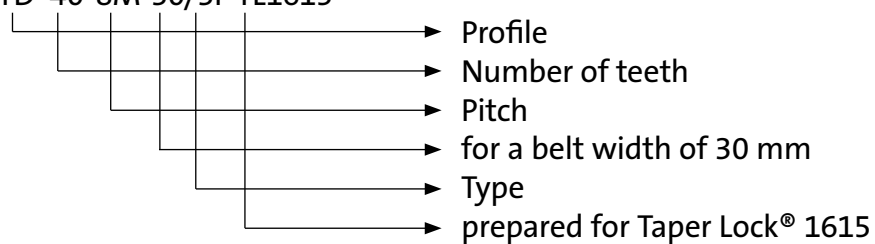
Dh: Hub diameter

Di: Inside diameter of ring gear

TL bush: prepared for Taper Lock® bush

Type designation:

Toothed belt pulley HTD 40-8M-30/3F TL1615

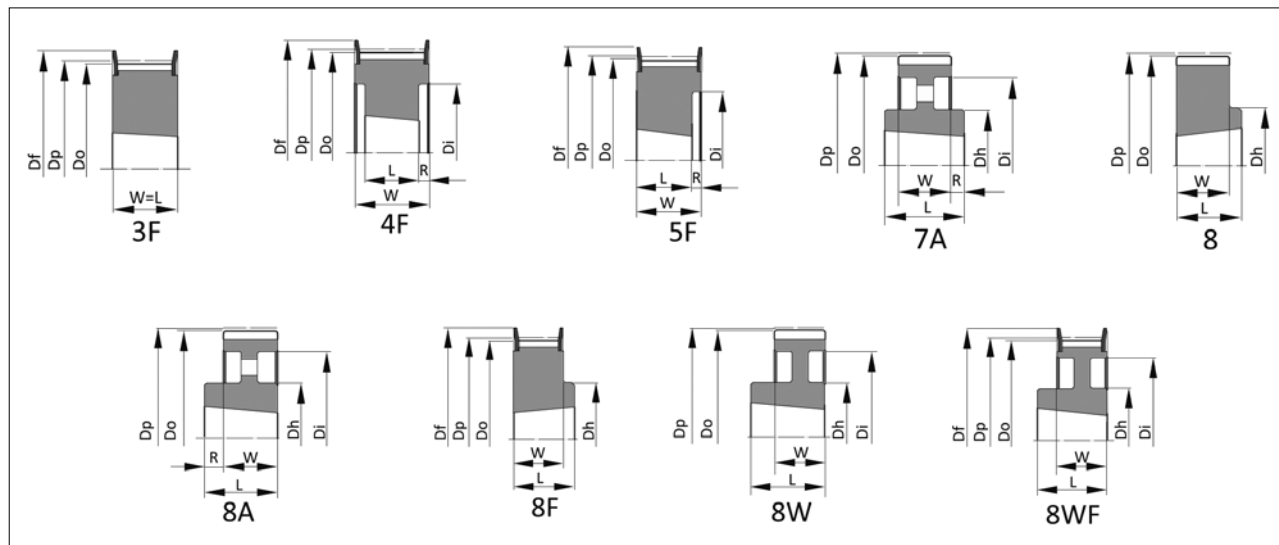


HTD® toothed belt pulleys

prepared for Taper Lock®



Pitch 5M



	Designation	Num-ber of teeth	Type	TL bush	Dp	Do	Df	Di	Dh	W	L	R	Weight [kg]	Mate-rial
					[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
5M for a belt width of 15 mm	TL 34-5M-15	34	3F	1008	54.11	52.97	57	-	-	22	22	-	0.19	Steel
	TL 36-5M-15	36	3F	1108	57.3	56.15	60	-	-	22	22	-	0.2	Steel
	TL 38-5M-15	38	3F	1108	60.48	59.34	66.5	-	-	22	22	-	0.25	Steel
	TL 40-5M-15	40	3F	1108	63.66	62.52	71	-	-	22	22	-	0.31	Steel
	TL 44-5M-15	44	3F	1108	70.03	68.89	75	-	-	22	22	-	0.4	Steel
	TL 48-5M-15	48	8F	1210	76.39	75.25	83	-	59	22	25	3	0.45	Steel
	TL 56-5M-15	56	8F	1210	89.13	87.39	93	-	70	22	25	3	0.67	Steel
	TL 64-5M-15	64	8F	1210	101.86	100.72	106	-	80	22	25	3	0.8	Steel
	TL 72-5M-15	72	8	1610	114.59	113.45	-	-	92	22	25	3	1.19	Steel
	TL 80-5M-15	80	8	1610	127.32	126.18	-	-	92	22	25	3	1.76	Steel
	TL 90-5M-15	90	8	1610	143.24	142.1	-	-	92	22	25	3	2.32	Steel
	TL 112-5M-15	112	8	2012	178.25	177.11	-	-	110	20	32	12	3.72	Steel
	TL 136-5M-15	136	7A	2012	216.45	215.31	-	199	110	20	32	6	3.82	Steel



Pitch 8M

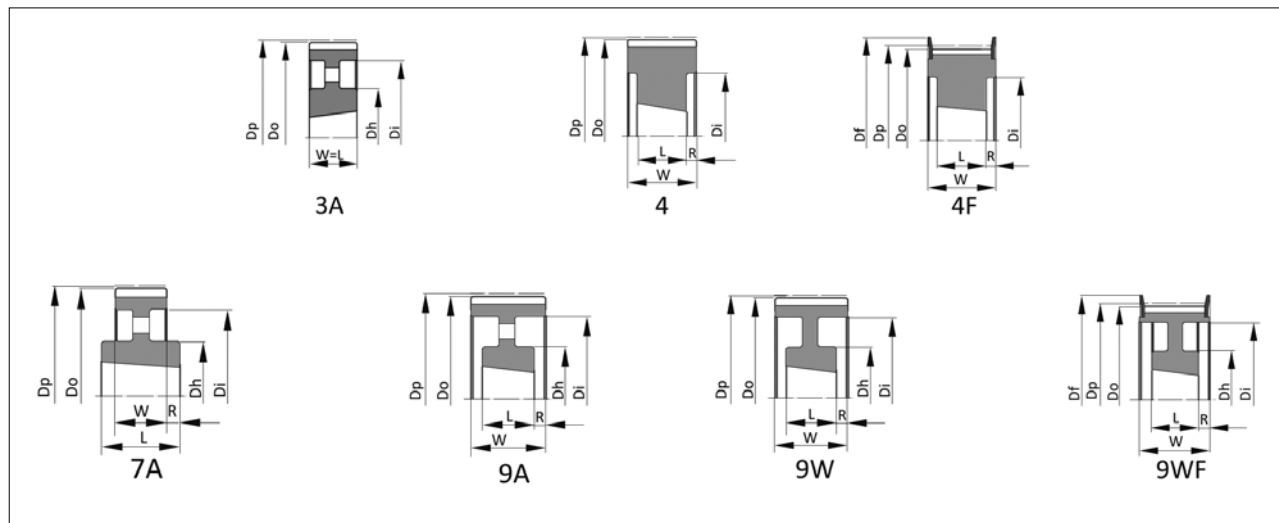
	Designation	Number of teeth	Type	TL bush	Dp	Do	Df	Di	Dh	W	L	R	Weight	Material
					[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
8M for a belt width of 20 mm	TL 22-8M-20	22	5F	1108	56.02	54.65	60	37	-	28	22	6	0.24	Steel
	TL 24-8M-20	24	5F	1108	61.12	59.75	66	44	-	28	22	6	0.3	Steel
	TL 26-8M-20	26	5F	1108	66.21	64.84	70	45	-	28	22	6	0.36	Steel
	TL 28-8M-20	28	5F	1108	71.3	70.08	75	50	-	28	22	6	0.44	Steel
	TL 30-8M-20	30	5F	1108	76.39	75.13	83	58	-	28	22	6	0.53	Steel
	TL 32-8M-20	32	5F	1610	81.49	80.16	87	63	-	28	25	3	0.54	Steel
	TL 34-8M-20	34	5F	1610	86.58	85.22	91	64	-	28	25	3	0.55	Steel
	TL 36-8M-20	36	5F	1610	91.67	90.3	97	68	-	28	25	3	0.68	Steel
	TL 38-8M-20	38	5F	1610	96.77	95.39	102	72	-	28	25	3	0.8	Steel
	TL 40-8M-20	40	5F	1610	101.86	100.49	106	76	-	28	25	3	1	Steel
	TL 44-8M-20	44	8F	2012	112.05	110.67	120	-	93	28	32	4	1.2	Steel
	TL 48-8M-20	48	8F	2012	122.23	120.86	128	-	96	28	32	4	1.6	Steel
	TL 56-8M-20	56	8F	2012	142.6	141.23	150	-	110	28	32	4	2.4	Steel
	TL 64-8M-20	64	8WF	2012	162.97	161.6	168	137	110	28	32	4	2.7	Steel
	TL 72-8M-20	72	8WF	2012	183.35	181.97	192	158	110	28	32	4	3.3	Steel
8M for a belt width of 30 mm	TL 80-8M-20	80	8W	2012	203.72	202.35	-	180	110	28	32	4	3.5	Steel
	TL 90-8M-20	90	8A	2012	229.18	227.81	-	204	110	28	32	4	3.65	Cl
	TL 112-8M-20	112	8A	2517	285.21	283.83	-	254	125	28	32	4	4	Cl
	TL 144-8M-20	144	8A	2517	366.69	365.32	-	336	125	28	32	4	4.8	Cl
	TL 22-8M-30	22	5F	1108	56.02	54.65	60	37	-	38	22	16	0.29	Steel
	TL 24-8M-30	24	5F	1108	61.12	59.75	66	44	-	38	22	16	0.38	Steel
	TL 26-8M-30	26	5F	1108	66.21	64.84	70	44	-	38	22	16	0.45	Steel
	TL 28-8M-30	28	5F	1210	71.3	70.08	75	50	-	38	25	13	0.5	Steel
	TL 30-8M-30	30	3F	1615	76.39	75.13	83	-	-	38	38	-	0.45	Steel
	TL 32-8M-30	32	3F	1615	81.49	80.16	87	-	-	38	38	-	0.59	Steel
	TL 34-8M-30	34	3F	1615	86.58	85.22	91	-	-	38	38	-	0.77	Steel
	TL 36-8M-30	36	3F	1615	91.67	90.3	97	-	-	38	38	-	0.96	Steel
	TL 38-8M-30	38	3F	1615	96.77	95.39	102	-	-	38	38	-	1.15	Steel
	TL 40-8M-30	40	3F	1615	101.86	100.49	106	-	-	38	38	3	1.34	Steel
	TL 44-8M-30	44	4F	2012	112.05	110.67	120	86	-	38	32	3	1.33	Steel
8M for a belt width of 50 mm	TL 48-8M-30	48	4F	2012	122.23	120.86	128	90	-	38	32	3	1.78	Steel
	TL 56-8M-30	56	4F	2012	142.6	141.23	150	110	-	38	32	3	3.76	Steel
	TL 64-8M-30	64	8F	2517	162.97	161.6	168	-	125	38	45	7	4.2	Steel
	TL 72-8M-30	72	8WF	2517	183.35	181.97	192	158	125	38	45	7	4.3	Steel
	TL 80-8M-30	80	8W	2517	203.72	202.35	-	180	125	38	45	7	4.6	Cl
	TL 90-8M-30	90	8A	2517	229.18	227.81	-	204	125	38	45	7	5	Cl
	TL 112-8M-30	112	8A	2517	285.21	283.83	-	254	125	38	45	7	6.2	Cl
	TL 144-8M-30	144	8A	2517	366.69	365.32	-	336	125	38	45	7	9	Cl
	TL 28-8M-50	28	4F	1210	71.3	70.08	75	50	-	60	25	18	0.6	Steel
	TL 30-8M-50	30	5F	1615	76.39	75.13	83	58	-	60	38	22	0.65	Steel
	TL 32-8M-50	32	5F	1615	81.49	80.16	87	62	-	60	38	22	0.82	Steel
	TL 34-8M-50	34	5F	1615	86.58	85.22	91	65	-	60	38	22	1.06	Steel
	TL 36-8M-50	36	5F	1615	91.67	90.3	97	68	-	60	38	22	1.3	Steel
	TL 38-8M-50	38	5F	1615	96.77	95.39	102	72	-	60	38	22	1.6	Steel
	TL 40-8M-50	40	4F	2012	101.86	100.49	106	82	-	60	32	14	1.71	Steel
	TL 44-8M-50	44	4F	2012	112.05	110.67	120	91	-	60	32	14	1.78	Steel
	TL 48-8M-50	48	4F	2012	122.23	120.86	128	95	-	60	32	14	2.3	Steel
	TL 56-8M-50	56	4F	2517	142.6	141.23	150	116	-	60	45	8	3.4	Steel
	TL 64-8M-50	64	4F	2517	162.97	161.6	168	137	-	60	45	8	5	Steel
	TL 72-8M-50	72	9WF	2517	183.35	181.97	192	158	125	60	45	8	6.7	Steel
	TL 80-8M-50	80	4F	3020	203.72	202.35	-	180	-	60	51	5	8.8	Cl
	TL 90-8M-50	90	9W	3020	229.18	227.81	-	204	170	60	51	5	10	Cl
	TL 112-8M-50	112	9W	3020	285.21	283.83	-	260	170	60	51	5	12	Cl
	TL 144-8M-50	144	9A	3020	366.69	365.32	-	341	170	60	51	5	15.2	Cl
	TL 168-8M-50	168	7A	3525	427.81	426.44	-	395	198	60	65	2.5	17.5	Cl
	TL 192-8M-50	192	7A	3525	488.92	487.55	-	455	198	60	65	2.5	24	Cl

HTD® toothed belt pulleys

prepared for Taper Lock®



Pitch 8M



	Designation	Num-ber of teeth	Type	TL bush	Dp	Do	Df	Di	Dh	W	L	R	Weight [kg]	Mate-rial
					[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
8M for a belt width of 85 mm	TL 34-8M-85	34	4F	1615	86.58	85.22	91	65	-	95	38	29	1.43	Steel
	TL 36-8M-85	36	4F	1615	91.67	90.3	97	68	-	95	38	29	1.87	Steel
	TL 38-8M-85	38	4F	1615	96.77	95.39	102	72	-	95	38	29	2.2	Steel
	TL 40-8M-85	40	4F	2012	101.86	100.49	106	82	-	95	32	32	1.78	Steel
	TL 44-8M-85	44	4F	2012	112.05	110.67	120	91	-	95	32	32	2.3	Steel
	TL 48-8M-85	48	4F	2517	122.23	120.86	128	100	-	95	45	25	2.66	Steel
	TL 56-8M-85	56	4F	2517	142.6	141.23	150	117	-	95	45	25	4.45	Steel
	TL 64-8M-85	64	4F	2517	162.97	161.6	168	137	-	95	45	25	6.2	Steel
	TL 72-8M-85	72	4F	3020	183.35	181.97	192	158	-	95	51	22	8	Steel
	TL 80-8M-85	80	4	3020	203.72	202.35	-	180	-	95	51	22	10	Cl
	TL 90-8M-85	90	9W	3020	229.18	227.81	-	204	170	95	51	22	10.8	Cl
	TL 112-8M-85	112	9W	3020	285.21	283.83	-	260	170	95	51	22	15	Cl
	TL 144-8M-85	144	9A	3525	366.69	365.32	-	336	198	95	65	15	20	Cl
	TL 168-8M-85	168	9A	3525	427.81	426.44	-	395	198	95	65	15	23	Cl
	TL 192-8M-85	192	9A	3525	488.92	487.55	-	455	198	95	65	15	26	Cl



Pitch 14M

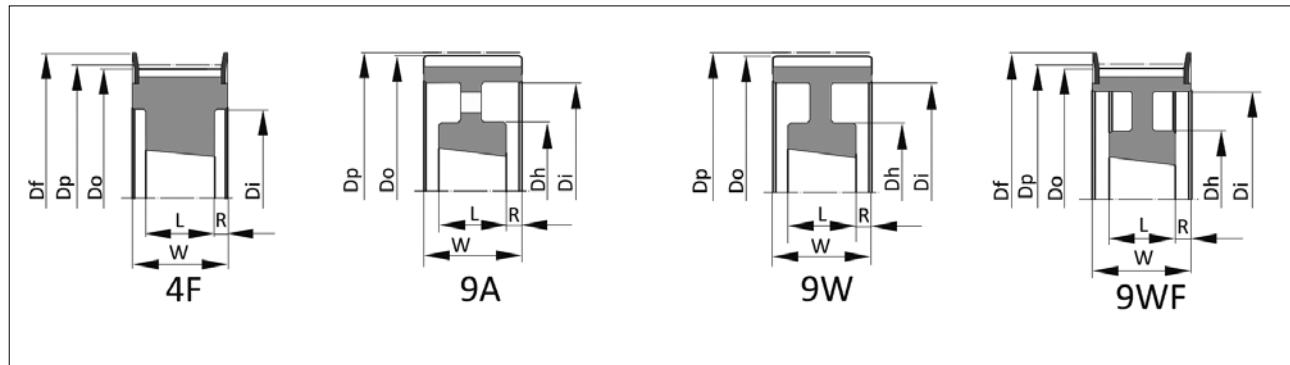
	Designation	Number of teeth	Type	TL bush	Dp	Do	Df	Di	Dh	W	L	R	Weight	Material
					[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
14M for a belt width of 40 mm	TL 28-14M-40	28	4F	2012	124.78	122.12	128	94	-	54	32	11	2	Steel
	TL 29-14M-40	29	4F	2012	129.23	126.57	138	98	-	54	32	11	2.38	Steel
	TL 30-14M-40	30	4F	2012	133.69	130.99	138	98	-	54	32	11	2.65	Steel
	TL 32-14M-40	32	4F	2012	142.6	139.88	154	108	-	54	32	11	3.4	Steel
	TL 34-14M-40	34	4F	2517	151.52	148.79	160	110	-	54	45	5	3.87	Steel
	TL 36-14M-40	36	4F	2517	160.43	157.68	168	120	-	54	45	5	4.8	Steel
	TL 38-14M-40	38	4F	2517	169.34	166.6	183	130	-	54	45	5	5.4	Steel
	TL 40-14M-40	40	4F	2517	178.25	175.49	188	138	-	54	45	5	6	Steel
	TL 44-14M-40	44	4F	3020	196.08	193.28	211	155	-	54	51	2	7.8	Steel
	TL 48-14M-40	48	4F	3020	213.9	211.11	226	170	-	54	51	2	9.4	Steel
	TL 56-14M-40	56	9WF	3020	249.55	246.76	256	208	170	54	51	2	10.8	Steel
	TL 64-14M-40	64	9WF	3020	285.21	282.41	296	240	170	54	51	2	13.4	CI
	TL 72-14M-40	72	9W	3020	320.86	318.06	-	280	170	54	51	2	15.2	CI
	TL 80-14M-40	80	9A	3020	356.51	353.71	-	315	170	54	51	2	16	CI
	TL 90-14M-40	90	9A	3020	401.07	398.28	-	360	170	54	51	2	17.8	CI
	TL 112-14M-40	112	9A	3020	499.11	496.32	-	457	170	54	51	2	25.6	CI
14M for a belt width of 55 mm	TL 144-14M-40	144	9A	3020	641.71	638.92	-	600	170	54	51	2	32	CI
	TL 168-14M-40	168	9A	3020	748.66	745.87	-	706	170	54	51	2	44	CI
	TL 192-14M-40	192	9A	3020	855.62	852.82	-	813	170	54	51	2	49	CI
	TL 216-14M-40	216	9A	3020	962.57	959.76	-	920	170	54	51	2	55	CI
	TL 28-14M-55	28	4F	2012	124.78	122.12	128	94	-	70	32	19	2.2	Steel
	TL 29-14M-55	29	4F	2012	129.23	126.57	138	100	-	70	32	19	2.74	Steel
	TL 30-14M-55	30	4F	2517	133.69	130.99	138	100	-	70	45	13	2.7	Steel
	TL 32-14M-55	32	4F	2517	142.6	139.88	154	108	-	70	45	13	3.66	Steel
	TL 34-14M-55	34	4F	2517	151.52	148.79	160	110	-	70	45	13	4.55	Steel
	TL 36-14M-55	36	4F	2517	160.43	157.68	168	120	-	70	45	13	5.2	Steel
	TL 38-14M-55	38	4F	2517	169.34	166.6	183	130	-	70	45	13	6.2	Steel
	TL 40-14M-55	40	4F	2517	178.25	175.49	188	138	-	70	45	13	7	Steel
	TL 44-14M-55	44	4F	3020	196.08	193.28	211	155	-	70	51	10	8.6	Steel
	TL 48-14M-55	48	4F	3020	213.9	211.11	226	170	-	70	51	10	10.4	Steel
	TL 56-14M-55	56	9WF	3020	249.55	246.76	256	208	170	70	51	10	12	Steel
	TL 64-14M-55	64	9WF	3020	285.21	282.41	296	240	170	70	51	10	14.5	CI
14M for a belt width of 85 mm	TL 72-14M-55	72	9W	3020	320.86	318.06	-	280	170	70	51	10	16.2	CI
	TL 80-14M-55	80	9A	3020	356.51	353.71	-	315	170	70	51	10	17.5	CI
	TL 90-14M-55	90	9A	3020	401.07	398.28	-	360	170	70	51	10	20.1	CI
	TL 112-14M-55	112	9A	3020	499.11	496.32	-	457	170	70	51	10	28.4	CI
	TL 144-14M-55	144	9A	3020	641.71	638.92	-	600	170	70	51	10	36.2	CI
	TL 168-14M-55	168	9A	3020	748.66	745.87	-	706	170	70	51	10	49	CI
	TL 192-14M-55	192	9A	3020	855.62	852.82	-	813	170	70	51	10	53	CI
	TL 216-14M-55	216	7A	3535	962.57	959.76	-	920	190	70	89	10	65.8	CI
	TL 28-14M-85	28	4F	2517	124.78	122.12	128	98	-	102	45	29	7.7	Steel
	TL 29-14M-85	29	4F	2517	129.23	126.57	138	100	-	102	45	29	8.4	Steel
	TL 30-14M-85	30	4F	2517	133.69	130.99	138	100	-	102	45	29	9.1	Steel
	TL 32-14M-85	32	4F	2517	142.6	139.88	154	108	-	102	45	29	10.5	Steel
	TL 34-14M-85	34	5F	2517	151.52	148.79	160	110	-	102	45	57	11.9	Steel
	TL 36-14M-85	36	5F	3020	160.43	157.68	168	120	-	102	51	51	13.2	Steel
	TL 38-14M-85	38	4F	3020	169.34	166.6	183	130	-	102	51	26	15.15	Steel
	TL 40-14M-85	40	4F	3020	178.25	175.49	188	138	-	102	51	26	17.1	Steel
	TL 44-14M-85	44	4F	3020	196.08	193.28	211	153	-	102	51	26	23.3	Steel
14M for a belt width of 85 mm	TL 48-14M-85	48	4F	3020	213.9	211.11	226	170	-	102	51	26	25	Steel
	TL 56-14M-85	56	4F	3525	249.55	246.76	256	210	190	102	65	19	25	Steel
	TL 64-14M-85	64	9WF	3525	285.21	282.41	296	240	190	102	65	19	28.2	CI
	TL 72-14M-85	72	9W	3525	320.86	318.06	-	280	190	102	65	19	28.8	CI
	TL 80-14M-85	80	9A	3525	356.51	353.71	-	315	190	102	65	19	30.1	CI
	TL 90-14M-85	90	9A	3525	401.07	398.28	-	360	190	102	65	19	33	CI
	TL 112-14M-85	112	9A	3525	499.11	496.32	-	457	190	102	65	19	41.8	CI
	TL 144-14M-85	144	9A	3525	641.71	638.92	-	600	190	102	65	19	52.4	CI
	TL 168-14M-85	168	9A	3525	748.66	745.87	-	706	190	102	65	19	60.3	CI
	TL 192-14M-85	192	9A	4040	855.62	852.82	-	813	190	102	102	-	70.2	CI
	TL 216-14M-85	216	9A	4040	962.57	959.76	-	920	190	102	102	-	81	CI

HTD® toothed belt pulleys

prepared for Taper Lock®



Pitch 14M

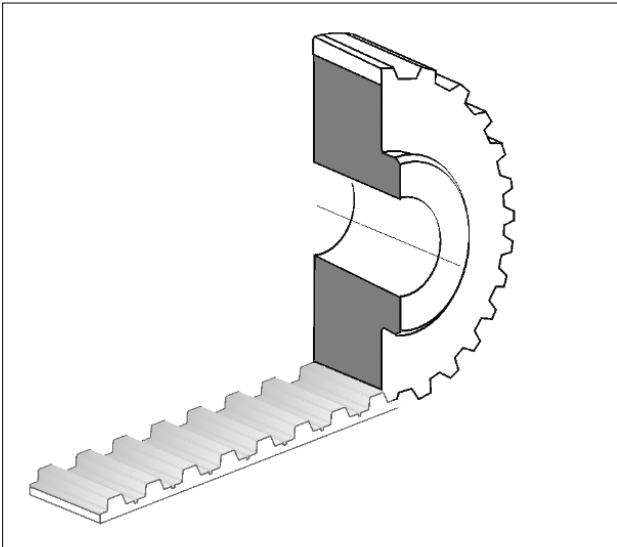


	Designation	Number of teeth	Type	TL bush	Dp	Do	Df	Di	Dh	W	L	R	Weight [kg]	Material
					[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		
14M for a belt width of 115 mm	TL 28-14M-115	28	4F	2517	124.78	122.12	128	98	-	133	45	44	3.77	Steel
	TL 29-14M-115	29	4F	2517	129.23	126.57	138	100	-	133	45	44	4	Steel
	TL 30-14M-115	30	4F	2517	133.69	130.99	138	100	-	133	45	44	5	Steel
	TL 32-14M-115	32	4F	2517	142.6	139.88	154	108	-	133	45	44	6.8	Steel
	TL 34-14M-115	34	4F	2517	151.52	148.79	160	110	-	133	45	44	6.8	Steel
	TL 36-14M-115	36	4F	3020	160.43	157.68	168	125	-	133	51	41	7	Steel
	TL 38-14M-115	38	4F	3020	169.34	166.6	183	130	-	133	51	41	8.4	Steel
	TL 40-14M-115	40	4F	3020	178.25	175.49	188	138	-	133	51	41	9.2	Steel
	TL 44-14M-115	44	4F	3030	196.08	193.28	211	155	-	133	76	29	14	Steel
	TL 48-14M-115	48	4F	3030	213.9	211.11	226	170	-	133	76	29	17.1	Steel
	TL 56-14M-115	56	4F	3535	249.55	246.76	256	208	-	133	89	22	24.8	Steel
	TL 64-14M-115	64	9WF	3535	285.21	282.41	296	240	190	133	89	22	27	Cl
	TL 72-14M-115	72	9W	3535	320.86	318.06	-	280	190	133	89	22	29	Cl
	TL 80-14M-115	80	9A	3535	356.51	353.71	-	315	190	133	89	22	32	Cl
	TL 90-14M-115	90	9A	3535	401.07	398.28	-	360	190	133	89	22	36.5	Cl
	TL 112-14M-115	112	9A	3535	499.11	496.32	-	457	190	133	89	22	46	Cl
14M for a belt width of 170 mm	TL 144-14M-115	144	9A	4040	641.71	638.92	-	600	230	133	102	16	68	Cl
	TL 168-14M-115	168	9A	4040	748.66	745.87	-	706	230	133	102	16	82.6	Cl
	TL 192-14M-115	192	9A	4040	855.62	852.82	-	813	230	133	102	16	96	Cl
	TL 216-14M-115	216	9A	4040	962.57	959.76	-	920	230	133	102	16	107	Cl
	TL 38-14M-170	38	4F	3030	169.34	166.6	183	130	-	187	76	56	11.7	Steel
	TL 40-14M-170	40	4F	3030	178.25	175.49	188	138	-	187	76	56	13	Steel
	TL 44-14M-170	44	4F	3535	196.08	193.28	211	153	-	187	89	49	15	Steel
	TL 48-14M-170	48	4F	3535	213.9	211.11	226	170	-	187	89	49	19	Steel
	TL 56-14M-170	56	4F	3535	249.55	246.76	256	208	-	187	89	49	28.5	Steel
	TL 64-14M-170	64	4F	4040	285.21	282.41	296	240	-	187	102	43	41	Cl
	TL 72-14M-170	72	9W	4040	320.86	318.06	-	280	230	187	102	43	46.9	Cl
	TL 80-14M-170	80	9W	4040	356.51	353.71	-	315	230	187	102	43	48	Cl
	TL 90-14M-170	90	9A	4040	401.07	398.28	-	360	230	187	102	43	52.5	Cl
	TL 112-14M-170	112	9A	5050	499.11	496.32	-	457	265	187	127	30	74.5	Cl
	TL 144-14M-170	144	9A	5050	641.71	638.92	-	600	265	187	127	30	91	Cl
	TL 168-14M-170	168	9A	5050	748.66	745.87	-	706	265	187	127	30	116	Cl
	TL 192-14M-170	192	9A	5050	855.62	852.82	-	813	265	187	127	30	134	Cl
	TL 216-14M-170	216	9A	5050	962.57	959.76	-	920	265	187	127	30	146.5	Cl

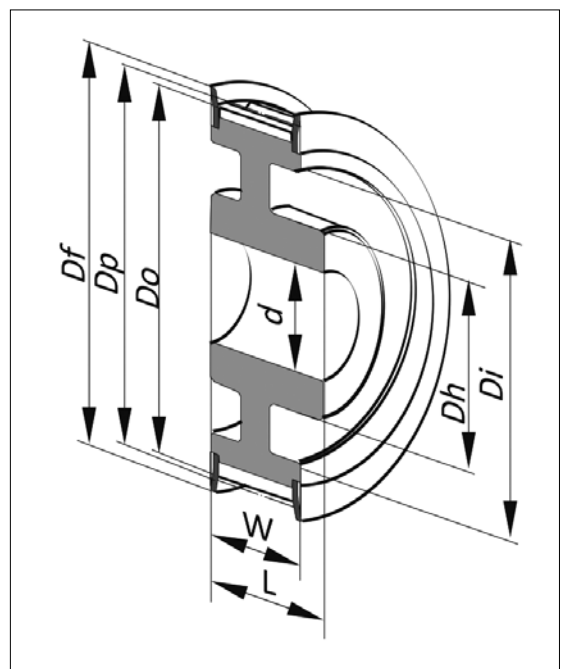
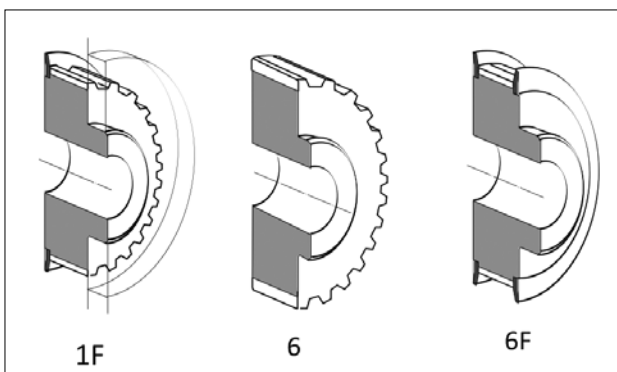


Metric T toothed belt pulleys

with pre-drilled bores



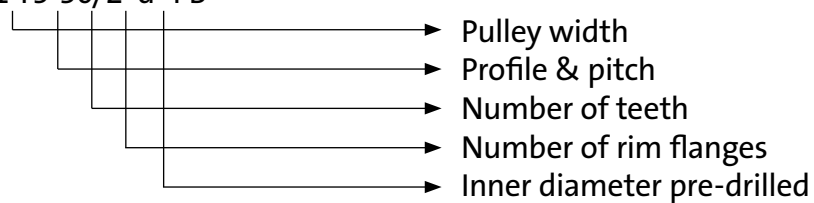
Versions:



Df: Rim flange diameter
Dp: Pitch diameter
Do: Outside diameter
Dh: Hub diameter
Di: Inside diameter of ring gear
d: Bore diameter (pre-drilled)

Type designation:

Toothed belt pulley 21-T5-30/2 d=PB

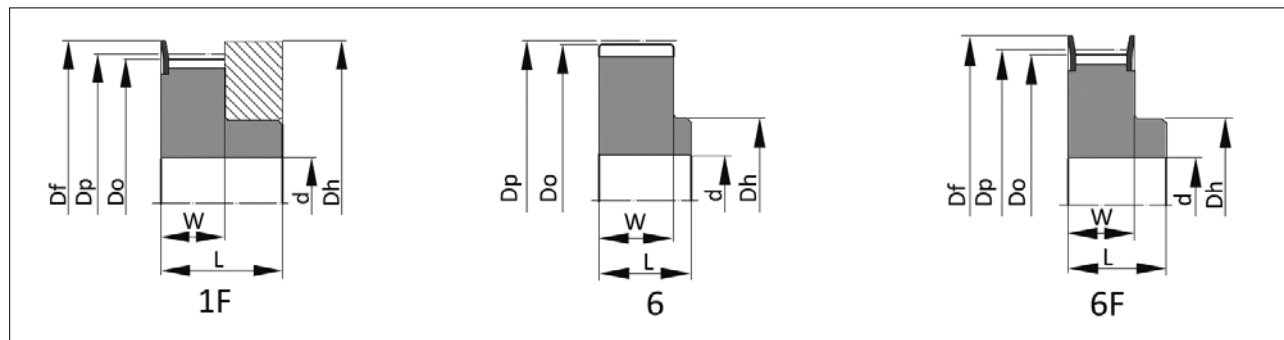


Metric T toothed belt pulleys

with pre-drilled bores



Pitch T2.5



	Designation	Number of teeth	Type	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
16T2.5 for a belt width of 6 mm	16T2.5/12-2	12	1F	9.55	9	13	13	10	16	-	0.004	AL
	16T2.5/14-2	14	1F	11.14	10.6	15	15	10	16	-	0.006	AL
	16T2.5/15-2	15	1F	11.94	11.4	15	15	10	16	-	0.005	AL
	16T2.5/16-2	16	1F	12.73	12.2	16	16	10	16	-	0.006	AL
	16T2.5/18-2	18	6F	14.32	13.8	17.5	10	10	16	4	0.005	AL
	16T2.5/19-2	19	6F	15.12	14.6	18	10	10	16	4	0.006	AL
	16T2.5/20-2	20	6F	15.92	15.4	19.5	11	10	16	4	0.006	AL
	16T2.5/22-2	22	6F	17.51	17	23	11	10	16	4	0.009	AL
	16T2.5/24-2	24	6F	19.1	18.55	23	12	10	16	4	0.02	AL
	16T2.5/25-2	25	6F	19.89	19.35	23	13	10	16	4	0.01	AL
	16T2.5/26-2	26	6F	20.69	20.15	25	14	10	16	4	0.02	AL
	16T2.5/28-2	28	6F	22.28	21.75	25	14	10	16	4	0.02	AL
	16T2.5/30-2	30	6F	23.87	23.35	28	16	10	16	6	0.02	AL
	16T2.5/32-2	32	6F	25.46	24.95	32	16	10	16	6	0.02	AL
	16T2.5/36-2	36	6F	28.65	28.1	36	20	10	16	6	0.03	AL
	16T2.5/40-2	40	6F	31.83	31.3	38	22	10	16	6	0.03	AL
	16T2.5/44-0	44	6	35.01	34.5	-	24	10	16	6	0.04	AL
	16T2.5/48-0	48	6	38.2	37.7	-	26	10	16	6	0.05	AL
	16T2.5/60-0	60	6	47.75	47.25	-	34	10	16	8	0.08	AL



Metric T toothed belt pulleys

with pre-drilled bores

Pitch T5

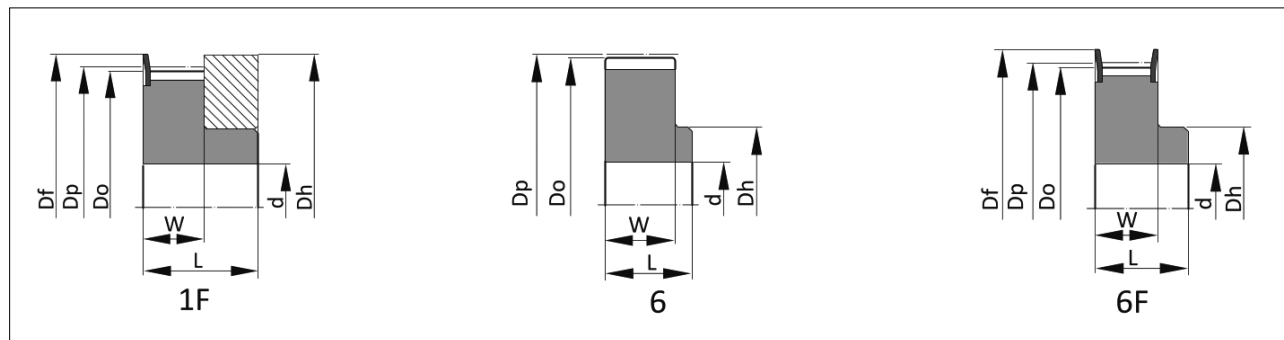
	Designation	Number of teeth	Type	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
21T5 for a belt width of 10 mm	21T5/10-2	10	6F	15.92	15.05	19.5	8	15	21	-	0.01	AL
	21T5/12-2	12	6F	19.1	18.25	23	11	15	21	-	0.02	AL
	21T5/14-2	14	6F	22.28	21.45	25	14	15	21	-	0.02	AL
	21T5/15-2	15	6F	23.87	23.05	28	16	15	21	6	0.03	AL
	21T5/16-2	16	6F	25.46	24.6	32	18	15	21	6	0.03	AL
	21T5/18-2	18	6F	28.65	27.8	32	20	15	21	6	0.03	AL
	21T5/19-2	19	6F	30.24	29.4	36	22	15	21	6	0.04	AL
	21T5/20-2	20	6F	31.83	31	36	23	15	21	6	0.04	AL
	21T5/22-2	22	6F	35.01	34.25	38	24	15	21	6	0.05	AL
	21T5/24-2	24	6F	38.2	37.4	42	26	15	21	6	0.06	AL
	21T5/25-2	25	6F	39.79	39	44	26	15	21	6	0.06	AL
	21T5/26-2	26	6F	41.38	40.6	44	26	15	21	6	0.06	AL
	21T5/27-2	27	6F	42.97	42.2	48	30	15	21	8	0.07	AL
	21T5/28-2	28	6F	44.56	43.75	48	32	15	21	8	0.07	AL
	21T5/30-2	30	6F	47.75	46.95	51	34	15	21	8	0.08	AL
	21T5/32-2	32	6F	50.93	50.1	54	38	15	21	8	0.09	AL
	21T5/36-2	36	6F	57.3	56.45	63	38	15	21	8	0.12	AL
	21T5/40-2	40	6F	63.66	62.85	66	40	15	21	8	0.14	AL
	21T5/42-2	42	6F	66.84	66	71	40	15	21	8	0.18	AL
27T5 for a belt width of 16 mm	21T5/44-0	44	6	70.03	69.2	-	45	15	21	8	0.19	AL
	21T5/48-0	48	6	76.39	75.55	-	50	15	21	8	0.2	AL
	21T5/60-0	60	6	95.49	94.65	-	65	15	21	8	0.31	AL
	27T5/10-2	10	6F	15.92	15.05	19.5	8	21	27	-	0.02	AL
	27T5/12-2	12	6F	19.1	18.25	23	11	21	27	-	0.02	AL
	27T5/14-2	14	6F	22.28	21.45	25	14	21	27	-	0.03	AL
	27T5/15-2	15	6F	23.87	23.05	28	16	21	27	6	0.03	AL
	27T5/16-2	16	6F	25.46	24.6	32	18	21	27	6	0.04	AL
	27T5/18-2	18	6F	28.65	27.8	32	20	21	27	6	0.05	AL
	27T5/19-2	19	6F	30.24	29.4	36	22	21	27	6	0.05	AL
	27T5/20-2	20	6F	31.83	31	36	23	21	27	6	0.05	AL
	27T5/22-2	22	6F	35.01	34.25	38	24	21	27	6	0.06	AL
	27T5/24-2	24	6F	38.2	37.4	42	26	21	27	6	0.08	AL
	27T5/25-2	25	6F	39.79	39	44	26	21	27	6	0.08	AL
	27T5/26-2	26	6F	41.38	40.6	44	26	21	27	6	0.09	AL
	27T5/27-2	27	6F	42.97	42.2	48	30	21	27	8	0.09	AL
	27T5/28-2	28	6F	44.56	43.75	48	32	21	27	8	0.09	AL
	27T5/30-2	30	6F	47.75	46.95	51	34	21	27	8	0.11	AL
	27T5/32-2	32	6F	50.93	50.1	54	38	21	27	8	0.13	AL
	27T5/36-2	36	6F	57.3	56.45	63	38	21	27	8	0.16	AL
	27T5/40-2	40	6F	63.66	62.85	66	40	21	27	8	0.19	AL
	27T5/42-2	42	6F	66.84	66	71	40	21	27	8	0.21	AL
	27T5/44-0	44	6	70.03	69.2	-	45	21	27	8	0.23	AL
	27T5/48-0	48	6	76.39	75.55	-	50	21	27	8	0.28	AL
	27T5/60-0	60	6	95.49	94.65	-	65	21	27	8	0.43	AL

Metric T toothed belt pulleys

with pre-drilled bores



Pitch T5



	Designation	Number of teeth	Type	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
36T5 for a belt width of 25 mm	36T5/10-2	10	6F	15.92	15.05	19.5	8	30	36	-	0.02	AL
	36T5/12-2	12	6F	19.1	18.25	23	11	30	36	-	0.03	AL
	36T5/14-2	14	6F	22.28	21.45	25	14	30	36	-	0.04	AL
	36T5/15-2	15	6F	23.87	23.05	28	16	30	36	6	0.04	AL
	36T5/16-2	16	6F	25.46	24.6	32	18	30	36	6	0.042	AL
	36T5/18-2	18	6F	28.65	27.8	32	20	30	36	6	0.06	AL
	36T5/19-2	19	6F	30.24	29.4	36	22	30	36	6	0.07	AL
	36T5/20-2	20	6F	31.83	31	36	23	30	36	6	0.08	AL
	36T5/22-2	22	6F	35.01	34.25	38	24	30	36	6	0.08	AL
	36T5/24-2	24	6F	38.2	37.4	42	26	30	36	8	0.11	AL
	36T5/25-2	25	6F	39.79	39	44	26	30	36	8	0.12	AL
	36T5/26-2	26	6F	41.38	40.6	44	26	30	36	8	0.12	AL
	36T5/27-2	27	6F	42.97	42.2	48	30	30	36	8	0.13	AL
	36T5/28-2	28	6F	44.56	43.75	48	32	30	36	8	0.13	AL
	36T5/30-2	30	6F	47.75	46.95	51	34	30	36	8	0.15	AL
	36T5/32-2	32	6F	50.93	50.1	54	38	30	36	8	0.18	AL
	36T5/36-2	36	6F	57.3	56.45	63	38	30	36	8	0.23	AL
	36T5/40-2	40	6F	63.66	62.85	66	40	30	36	8	0.28	AL
	36T5/42-2	42	6F	66.84	66	71	40	30	36	8	0.29	AL
	36T5/44-0	44	6	70.03	69.2	-	45	30	36	8	0.32	AL
	36T5/48-0	48	6	76.39	75.55	-	50	30	36	8	0.4	AL
	36T5/60-0	60	6	95.49	94.65	-	65	30	36	8	0.62	AL



Metric T toothed belt pulleys

with pre-drilled bores

Pitch T10

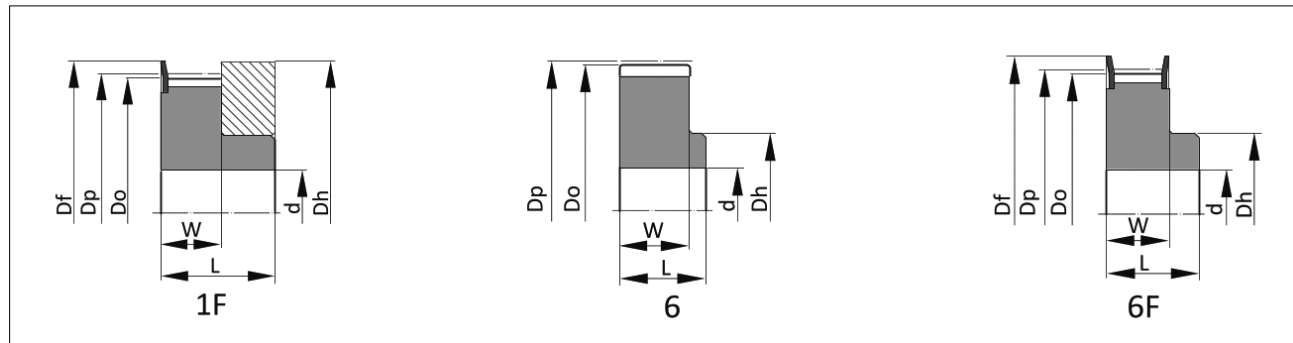
	Designation	Number of teeth	Type	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
31T10 for a belt width of 16 mm	31T10/12-2	12	6F	38.2	36.35	42	28	21	31	6	0.08	AL
	31T10/14-2	14	6F	44.56	42.7	48	32	21	31	8	0.1	AL
	31T10/15-2	15	6F	47.75	45.9	51	32	21	31	8	0.12	AL
	31T10/16-2	16	6F	50.93	49.05	54	35	21	31	8	0.13	AL
	31T10/18-2	18	6F	57.3	55.45	60	40	21	31	8	0.17	AL
	31T10/19-2	19	6F	60.48	58.6	66	44	21	31	8	0.19	AL
	31T10/20-2	20	6F	63.66	61.8	66	46	21	31	8	0.21	AL
	31T10/22-2	22	6F	70.03	68.15	75	52	21	31	8	0.26	AL
	31T10/24-2	24	6F	76.39	74.55	83	58	21	31	8	0.29	AL
	31T10/25-2	25	6F	79.58	77.7	83	60	21	31	8	0.31	AL
	31T10/26-2	26	6F	82.76	80.9	87	60	21	31	8	0.36	AL
	31T10/27-2	27	6F	85.94	84.1	91	60	21	31	8	0.37	AL
	31T10/28-2	28	6F	89.13	87.25	93	60	21	31	8	0.4	AL
	31T10/30-2	30	6F	95.49	93.65	97	60	21	31	8	0.44	AL
	31T10/32-2	32	6F	101.86	100	106	65	21	31	10	0.49	AL
	31T10/36-2	36	6F	114.59	112.75	119	70	21	31	10	0.62	AL
	31T10/40-2	40	6F	127.32	125.45	131	80	21	31	10	0.77	AL
	31T10/44-0	44	6	140.06	138.2	-	88	21	31	10	1	AL
	31T10/48-0	48	6	152.79	150.95	-	95	21	31	16	1.09	AL
	31T10/60-0	60	6	190.99	189.1	-	110	21	31	16	1.7	AL
40T10 for a belt width of 25 mm	40T10/12-2	12	6F	38.2	36.35	42	28	30	40	6	0.1	AL
	40T10/14-2	14	6F	44.56	42.7	48	32	30	40	8	0.14	AL
	40T10/15-2	15	6F	47.75	45.9	51	32	30	40	8	0.15	AL
	40T10/16-2	16	6F	50.93	49.05	54	35	30	40	8	0.18	AL
	40T10/18-2	18	6F	57.3	55.45	60	40	30	40	8	0.23	AL
	40T10/19-2	19	6F	60.48	58.6	66	44	30	40	8	0.25	AL
	40T10/20-2	20	6F	63.66	61.8	66	46	30	40	8	0.28	AL
	40T10/22-2	22	6F	70.03	68.15	75	52	30	40	8	0.34	AL
	40T10/24-2	24	6F	76.39	74.55	83	58	30	40	8	0.39	AL
	40T10/25-2	25	6F	79.58	77.7	83	60	30	40	8	0.42	AL
	40T10/26-2	26	6F	82.76	80.9	87	60	30	40	8	0.48	AL
	40T10/27-2	27	6F	85.94	84.1	91	60	30	40	8	0.54	AL
	40T10/28-2	28	6F	89.13	87.25	93	60	30	40	8	0.54	AL
	40T10/30-2	30	6F	95.49	93.65	97	60	30	40	8	0.64	AL
	40T10/32-2	32	6F	101.86	100	106	65	30	40	10	0.7	AL
	40T10/36-2	36	6F	114.59	112.75	119	70	30	40	10	0.88	AL
	40T10/40-2	40	6F	127.32	125.45	131	80	30	40	10	1.07	AL
	40T10/44-0	44	6	140.06	138.2	-	88	30	40	10	1.35	AL
	40T10/48-0	48	6	152.79	150.95	-	95	30	40	16	1.52	AL
	40T10/60-0	60	6	190.99	189.1	-	110	30	40	16	2.34	AL

Metric T toothed belt pulleys

with pre-drilled bores



Pitch T10

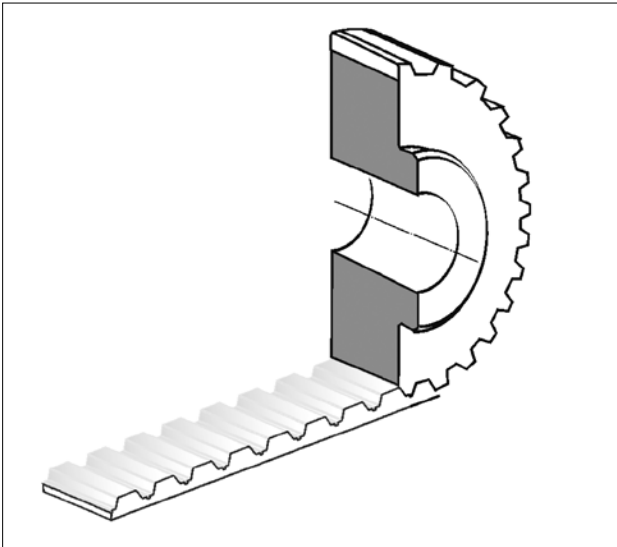


	Designation	Number of teeth	Type	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
47T10 for a belt width of 32 mm	47T10/18-2	18	6F	57.3	55.45	60	40	37	47	10	0.26	AL
	47T10/19-2	19	6F	60.48	58.6	66	44	37	47	10	0.29	AL
	47T10/20-2	20	6F	63.66	61.8	66	46	37	47	12	0.33	AL
	47T10/22-2	22	6F	70.03	68.15	75	52	37	47	12	0.4	AL
	47T10/24-2	24	6F	76.39	74.55	83	58	37	47	12	0.48	AL
	47T10/25-2	25	6F	79.58	77.7	83	60	37	47	12	0.53	AL
	47T10/26-2	26	6F	82.76	80.9	87	60	37	47	12	0.57	AL
	47T10/27-2	27	6F	85.94	84.1	91	60	37	47	12	0.6	AL
	47T10/28-2	28	6F	89.13	87.25	93	60	37	47	12	0.64	AL
	47T10/30-2	30	6F	95.49	93.65	97	60	37	47	12	0.74	AL
	47T10/32-2	32	6F	101.86	100	106	65	37	47	12	0.84	AL
	47T10/36-2	36	6F	114.59	112.75	119	70	37	47	16	1.07	AL
	47T10/40-2	40	6F	127.32	125.45	131	80	37	47	16	1.32	AL
	47T10/44-0	44	6	140.06	138.2	-	88	37	47	16	1.61	AL
66T10 for a belt width of 50 mm	47T10/48-0	48	6	152.79	150.95	-	95	37	47	16	1.93	AL
	47T10/60-0	60	6	190.99	189.1	-	110	37	47	16	3	AL
	66T10/18-2	18	6F	57.3	55.45	60	40	56	66	10	0.42	AL
	66T10/19-2	19	6F	60.48	58.6	66	44	56	66	10	0.47	AL
	66T10/20-2	20	6F	63.66	61.8	66	46	56	66	12	0.52	AL
	66T10/22-2	22	6F	70.03	68.15	75	52	56	66	12	0.57	AL
	66T10/24-2	24	6F	76.39	74.55	83	58	56	66	12	0.73	AL
	66T10/25-2	25	6F	79.58	77.7	83	60	56	66	12	0.77	AL
	66T10/26-2	26	6F	82.76	80.9	87	60	56	66	12	0.82	AL
	66T10/27-2	27	6F	85.94	84.1	91	60	56	66	12	0.94	AL
	66T10/28-2	28	6F	89.13	87.25	93	60	56	66	12	0.96	AL
	66T10/30-2	30	6F	95.49	93.65	97	60	56	66	12	1.17	AL
	66T10/32-2	32	6F	101.86	100	106	65	56	66	12	1.3	AL
	66T10/36-2	36	6F	114.59	112.75	119	70	56	66	16	1.64	AL
	66T10/40-2	40	6F	127.32	125.45	131	80	56	66	16	2	AL
	66T10/44-0	44	6	140.06	138.2	-	88	56	66	16	2.36	AL
	66T10/48-0	48	6	152.79	150.95	-	95	56	66	16	2.83	AL
	66T10/60-0	60	6	190.99	189.1	-	110	56	66	16	4.37	AL

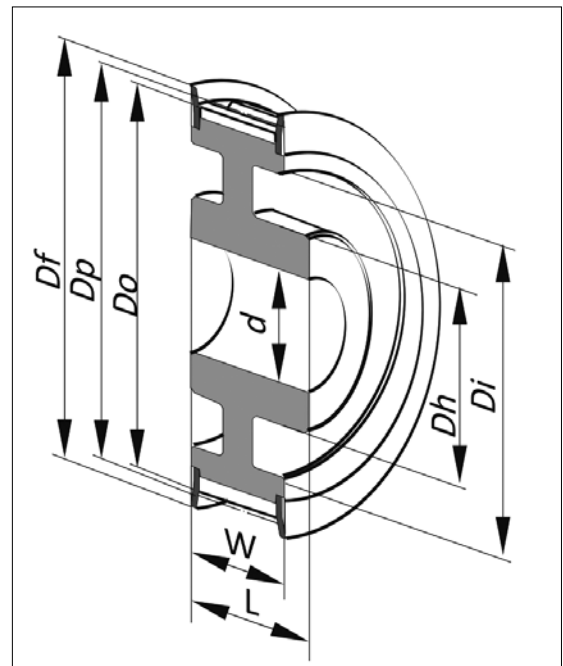
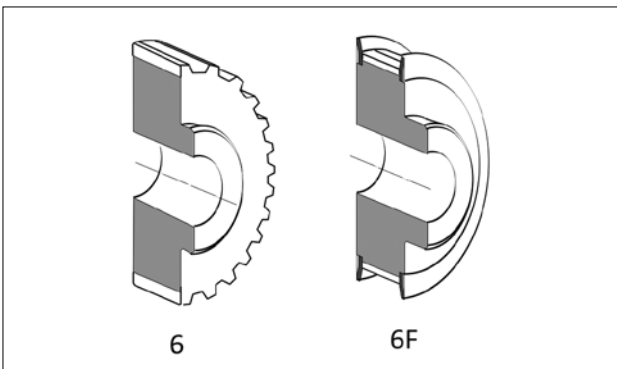


Metric AT toothed belt pulleys

with pre-drilled bores



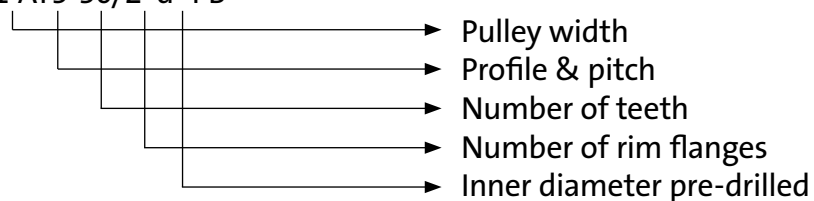
Versions:



Df: Rim flange diameter
Dp: Pitch diameter
Do: Outside diameter
Dh: Hub diameter
Di: Inside diameter of ring gear
d: Bore diameter (pre-drilled)

Type designation:

Toothed belt pulley 21-AT5-30/2 d=PB



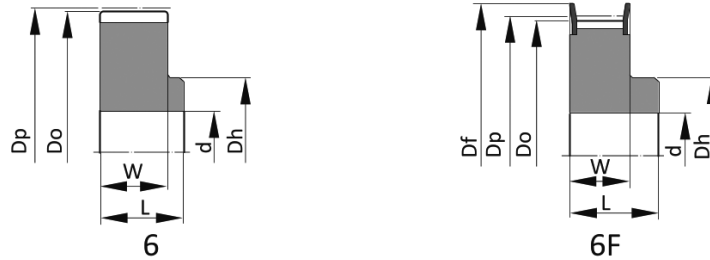
We will be happy to help you if you need individual advice or customised toothed belt pulleys according to drawing.

Metric AT toothed belt pulleys

with pre-drilled bores



Pitch AT5



	Designation	Number of teeth	Type	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
21AT5 for a belt width of 10 mm	21AT5/12-2	12	6F	19.1	17.85	23	11	15	21	-	0.02	AL
	21AT5/14-2	14	6F	22.28	21.05	25	14	15	21	-	0.02	AL
	21AT5/15-2	15	6F	23.87	22.65	28	16	15	21	6	0.02	AL
	21AT5/16-2	16	6F	25.46	24.2	32	18	15	21	6	0.03	AL
	21AT5/18-2	18	6F	28.65	27.4	32	20	15	21	6	0.03	AL
	21AT5/19-2	19	6F	30.24	29	36	22	15	21	6	0.04	AL
	21AT5/20-2	20	6F	31.83	30.6	36	23	15	21	6	0.04	AL
	21AT5/22-2	22	6F	35.01	33.85	38	24	15	21	6	0.05	AL
	21AT5/24-2	24	6F	38.2	37	42	26	15	21	6	0.06	AL
	21AT5/25-2	25	6F	39.79	38.6	44	26	15	21	6	0.06	AL
	21AT5/26-2	26	6F	41.38	40.2	44	26	15	21	6	0.06	AL
	21AT5/27-2	27	6F	42.97	41.8	48	30	15	21	8	0.07	AL
	21AT5/28-2	28	6F	44.56	43.35	48	32	15	21	8	0.08	AL
	21AT5/30-2	30	6F	47.75	46.55	51	34	15	21	8	0.09	AL
	21AT5/32-2	32	6F	50.93	49.7	54	38	15	21	8	0.1	AL
	21AT5/36-2	36	6F	57.3	56.05	63	38	15	21	8	0.13	AL
	21AT5/40-2	40	6F	63.66	62.45	66	40	15	21	8	0.15	AL
	21AT5/42-2	42	6F	66.84	65.6	71	40	15	21	8	0.18	AL
	21AT5/44-0	44	6	70.03	68.8	-	45	15	21	8	0.17	AL
	21AT5/48-0	48	6	76.39	75.15	-	50	15	21	8	0.21	AL
	21AT5/60-0	60	6	95.49	94.25	-	65	15	21	8	0.33	AL



Metric AT toothed belt pulleys

with pre-drilled bores

Pitch AT5

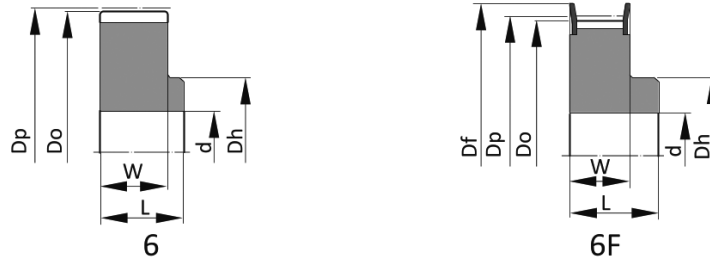
	Designation	Number of teeth	Type	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
27AT5 for a belt width of 16 mm	27AT5/12-2	12	6F	19.1	17.85	23	11	21	27	-	0.02	AL
	27AT5/14-2	14	6F	22.28	21.05	25	14	21	27	-	0.03	AL
	27AT5/15-2	15	6F	23.87	22.65	28	16	21	27	6	0.03	AL
	27AT5/16-2	16	6F	25.46	24.2	32	18	21	27	6	0.04	AL
	27AT5/18-2	18	6F	28.65	27.4	32	20	21	27	6	0.05	AL
	27AT5/19-2	19	6F	30.24	29	36	22	21	27	6	0.05	AL
	27AT5/20-2	20	6F	31.83	30.6	36	23	21	27	6	0.05	AL
	27AT5/22-2	22	6F	35.01	33.85	38	24	21	27	6	0.06	AL
	27AT5/24-2	24	6F	38.2	37	42	26	21	27	6	0.07	AL
	27AT5/25-2	25	6F	39.79	38.6	44	26	21	27	6	0.08	AL
	27AT5/26-2	26	6F	41.38	40.2	44	26	21	27	6	0.09	AL
	27AT5/27-2	27	6F	42.97	41.8	48	30	21	27	8	0.1	AL
	27AT5/28-2	28	6F	44.56	43.35	48	32	21	27	8	0.1	AL
	27AT5/30-2	30	6F	47.75	46.55	51	34	21	27	8	0.12	AL
	27AT5/32-2	32	6F	50.93	49.7	54	38	21	27	8	0.13	AL
	27AT5/36-2	36	6F	57.3	56.05	63	38	21	27	8	0.17	AL
	27AT5/40-2	40	6F	63.66	62.45	66	40	21	27	8	0.2	AL
36AT5 for a belt width of 25 mm	27AT5/42-2	42	6F	66.84	65.6	71	40	21	27	8	0.22	AL
	27AT5/44-0	44	6	70.03	68.8	-	45	21	27	8	0.23	AL
	27AT5/48-0	48	6	76.39	75.15	-	50	21	27	8	0.28	AL
	27AT5/60-0	60	6	95.49	94.25	-	65	21	27	8	0.44	AL
	36AT5/12-2	12	6F	19.1	17.85	23	11	30	36	-	0.02	AL
	36AT5/14-2	14	6F	22.28	21.05	25	14	30	36	-	0.03	AL
	36AT5/15-2	15	6F	23.87	22.65	28	16	30	36	6	0.04	AL
	36AT5/16-2	16	6F	25.46	24.2	32	18	30	36	6	0.04	AL
	36AT5/18-2	18	6F	28.65	27.4	32	20	30	36	6	0.05	AL
	36AT5/19-2	19	6F	30.24	29	36	22	30	36	6	0.07	AL
	36AT5/20-2	20	6F	31.83	30.6	36	23	30	36	6	0.07	AL
	36AT5/22-2	22	6F	35.01	33.85	38	24	30	36	6	0.08	AL
	36AT5/24-2	24	6F	38.2	37	42	26	30	36	8	0.09	AL
	36AT5/25-2	25	6F	39.79	38.6	44	26	30	36	8	0.09	AL
	36AT5/26-2	26	6F	41.38	40.2	44	26	30	36	8	0.11	AL
	36AT5/27-2	27	6F	42.97	41.8	48	30	30	36	8	0.12	AL
	36AT5/28-2	28	6F	44.56	43.35	48	32	30	36	8	0.13	AL
	36AT5/30-2	30	6F	47.75	46.55	51	34	30	36	8	0.15	AL
	36AT5/32-2	32	6F	50.93	49.7	54	38	30	36	8	0.17	AL
	36AT5/36-2	36	6F	57.3	56.05	63	38	30	36	8	0.22	AL
	36AT5/40-2	40	6F	63.66	62.45	66	40	30	36	8	0.27	AL
	36AT5/42-2	42	6F	66.84	65.6	71	40	30	36	8	0.3	AL
	36AT5/44-0	44	6	70.03	68.8	-	45	30	36	8	0.32	AL
	36AT5/48-0	48	6	76.39	75.15	-	50	30	36	8	0.39	AL
	36AT5/60-0	60	6	95.49	94.25	-	65	30	36	8	0.61	AL

Metric AT toothed belt pulleys

with pre-drilled bores



Pitch AT10



	Designation	Number of teeth	Type	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
31AT10 for a belt width of 16 mm	31AT10/15-2	15	6F	47.75	45.9	51	32	21	31	8	0.11	AL
	31AT10/16-2	16	6F	50.93	49.05	54	35	21	31	8	0.13	AL
	31AT10/18-2	18	6F	57.3	55.45	60	40	21	31	8	0.17	AL
	31AT10/19-2	19	6F	60.48	58.6	66	44	21	31	8	0.2	AL
	31AT10/20-2	20	6F	63.66	61.8	66	46	21	31	8	0.22	AL
	31AT10/22-2	22	6F	70.03	68.15	75	52	21	31	8	0.27	AL
	31AT10/24-2	24	6F	76.39	74.55	83	58	21	31	8	0.33	AL
	31AT10/25-2	25	6F	79.58	77.7	83	60	21	31	8	0.36	AL
	31AT10/26-2	26	6F	82.76	80.9	87	60	21	31	8	0.37	AL
	31AT10/27-2	27	6F	85.94	84.1	91	60	21	31	8	0.4	AL
	31AT10/28-2	28	6F	89.13	87.25	93	60	21	31	8	0.42	AL
	31AT10/30-2	30	6F	95.49	93.65	97	60	21	31	8	0.46	AL
	31AT10/32-2	32	6F	101.86	100	106	65	21	31	10	0.53	AL
	31AT10/36-2	36	6F	114.59	112.75	119	70	21	31	10	0.7	AL
	31AT10/40-2	40	6F	127.32	125.45	131	80	21	31	10	0.87	AL
40AT10 for a belt width of 25 mm	31AT10/44-0	44	6	140.06	138.2	-	88	21	31	10	1	AL
	31AT10/48-0	48	6	152.79	150.95	-	95	21	31	16	1.2	AL
	31AT10/60-0	60	6	190.99	189.1	-	110	21	31	16	1.85	AL
	40AT10/15-2	15	6F	47.75	45.9	51	32	30	40	8	0.15	AL
	40AT10/16-2	16	6F	50.93	49.05	54	35	30	40	8	0.18	AL
	40AT10/18-2	18	6F	57.3	55.45	60	40	30	40	8	0.23	AL
	40AT10/19-2	19	6F	60.48	58.6	66	44	30	40	8	0.26	AL
	40AT10/20-2	20	6F	63.66	61.8	66	46	30	40	8	0.28	AL
	40AT10/22-2	22	6F	70.03	68.15	75	52	30	40	8	0.35	AL
	40AT10/24-2	24	6F	76.39	74.55	83	58	30	40	8	0.41	AL
	40AT10/25-2	25	6F	79.58	77.7	83	60	30	40	8	0.46	AL
	40AT10/26-2	26	6F	82.76	80.9	87	60	30	40	8	0.49	AL
	40AT10/27-2	27	6F	85.94	84.1	91	60	30	40	8	0.53	AL
	40AT10/28-2	28	6F	89.13	87.25	93	60	30	40	8	0.55	AL
	40AT10/30-2	30	6F	95.49	93.65	97	60	30	40	8	0.62	AL
	40AT10/32-2	32	6F	101.86	100	106	65	30	40	10	0.7	AL
	40AT10/36-2	36	6F	114.59	112.75	119	70	30	40	10	0.91	AL
	40AT10/40-2	40	6F	127.32	125.45	131	80	30	40	10	1.11	AL
	40AT10/44-0	44	6	140.06	138.2	-	88	30	40	10	1.34	AL
	40AT10/48-0	48	6	152.79	150.95	-	95	30	40	16	1.63	AL
	40AT10/60-0	60	6	190.99	189.1	-	110	30	40	16	2.52	AL

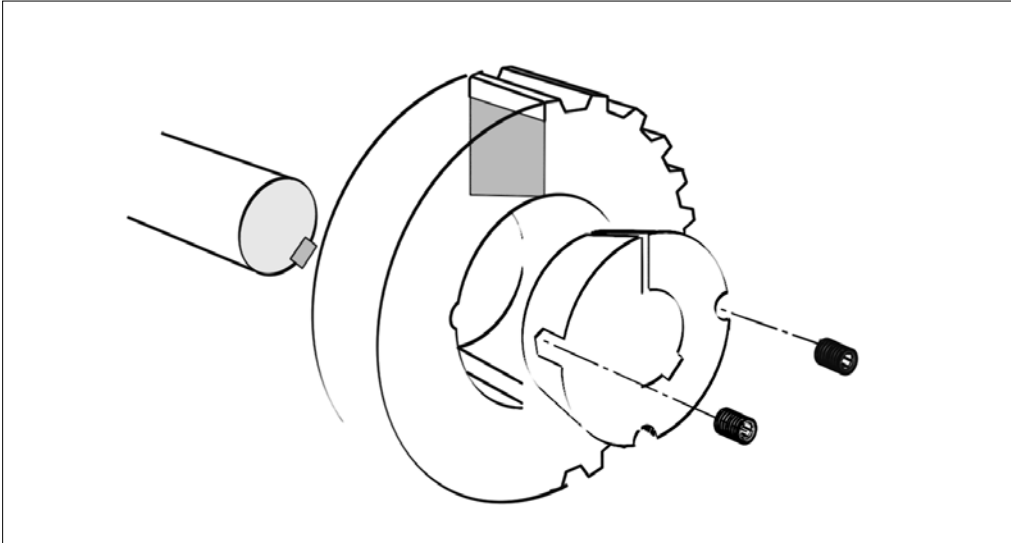


Metric AT toothed belt pulleys

with pre-drilled bores

Pitch AT10

	Designation	Number of teeth	Type	Dp	Do	Df	Dh	W	L	d	Weight	Material
				[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	
47AT10 for a belt width of 32 mm	47AT10/18-2	18	6F	57.3	55.45	60	40	37	47	10	0.26	AL
	47AT10/19-2	19	6F	60.48	58.6	66	44	37	47	10	0.3	AL
	47AT10/20-2	20	6F	63.66	61.8	66	46	37	47	12	0.32	AL
	47AT10/22-2	22	6F	70.03	68.15	75	52	37	47	12	0.4	AL
	47AT10/24-2	24	6F	76.39	74.55	83	58	37	47	12	0.49	AL
	47AT10/25-2	25	6F	79.58	77.7	83	60	37	47	12	0.52	AL
	47AT10/26-2	26	6F	82.76	80.9	87	60	37	47	12	0.56	AL
	47AT10/27-2	27	6F	85.94	84.1	91	60	37	47	12	0.61	AL
	47AT10/28-2	28	6F	89.13	87.25	93	60	37	47	12	0.65	AL
	47AT10/30-2	30	6F	95.49	93.65	97	60	37	47	12	0.73	AL
	47AT10/32-2	32	6F	101.86	100	106	65	37	47	12	0.84	AL
	47AT10/36-2	36	6F	114.59	112.75	119	70	37	47	16	1.07	AL
	47AT10/40-2	40	6F	127.32	125.45	131	80	37	47	16	1.34	AL
66AT10 for a belt width of 50 mm	47AT10/44-0	44	6	140.06	138.2	-	88	37	47	16	1.6	AL
	47AT10/48-0	48	6	152.79	150.95	-	95	37	47	16	1.9	AL
	47AT10/60-0	60	6	190.99	189.1	-	110	37	47	16	2.95	AL
	66AT10/18-2	18	6F	57.3	55.45	60	40	56	66	10	0.37	AL
	66AT10/19-2	19	6F	60.48	58.6	66	44	56	66	10	0.42	AL
	66AT10/20-2	20	6F	63.66	61.8	66	46	56	66	12	0.46	AL
	66AT10/22-2	22	6F	70.03	68.15	75	52	56	66	12	0.56	AL
	66AT10/24-2	24	6F	76.39	74.55	83	58	56	66	12	0.68	AL
	66AT10/25-2	25	6F	79.58	77.7	83	60	56	66	12	0.75	AL
	66AT10/26-2	26	6F	82.76	80.9	87	60	56	66	12	0.8	AL
	66AT10/27-2	27	6F	85.94	84.1	91	60	56	66	12	0.89	AL
	66AT10/28-2	28	6F	89.13	87.25	93	60	56	66	12	0.95	AL
	66AT10/30-2	30	6F	95.49	93.65	97	60	56	66	12	1.07	AL
	66AT10/32-2	32	6F	101.86	100	106	65	56	66	12	1.24	AL
	66AT10/36-2	36	6F	114.59	112.75	119	70	56	66	16	1.56	AL
	66AT10/40-2	40	6F	127.32	125.45	131	80	56	66	16	1.94	AL
	66AT10/44-0	44	6	140.06	138.2	-	88	56	66	16	2.32	AL
	66AT10/48-0	48	6	152.79	150.95	-	95	56	66	16	2.89	AL
	66AT10/60-0	60	6	190.99	189.1	-	110	56	66	16	4.33	AL



Taper Lock® locking bushes are conically locked, **friction-fit shaft/hub connections**. The bush is phosphated black as a protection against rust.

Your benefits when you use belt pulleys with Taper Lock®:

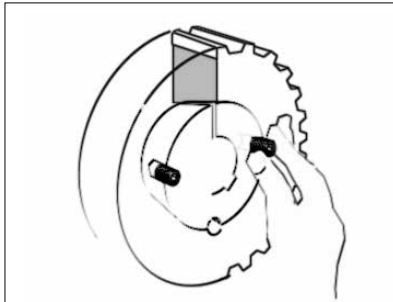
- Can be installed immediately
- Suitable for reversal of rotation direction due to defined friction fit
- Better fatigue factors than with a simple featherkey connection
- Good centering
- High availability of different hole diameters
- You can reduce your stocks and costs by using the same toothed belt with Taper Lock® for different shaft diameters.

Taper Lock® locking bushes are especially suitable on shafts with a nominal h9 tolerance of +0.05 / -0.125 mm

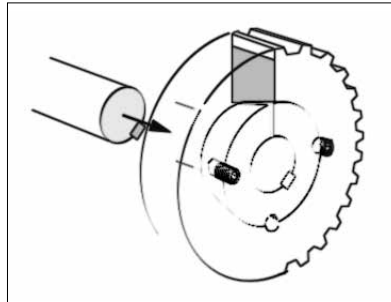
If you need help choosing your Taper Lock® bush or desire a meeting for advice on other locking methods (mechanical clamping sets, hydraulic locking bushes, we will be happy to assist you at any time.



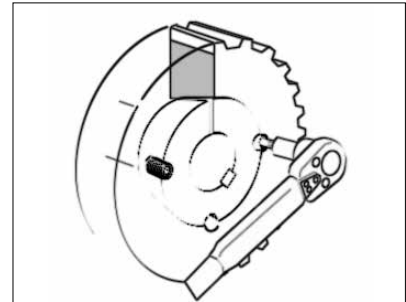
Assembly



Clean and degrease surfaces. Push pulley and socket into each other. Screw in "loose" screws.

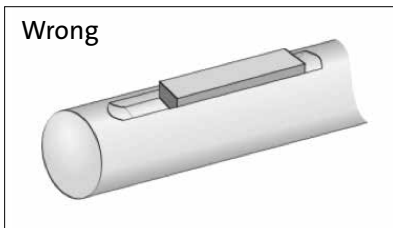


Push on pulley with bush, align and tighten screws.

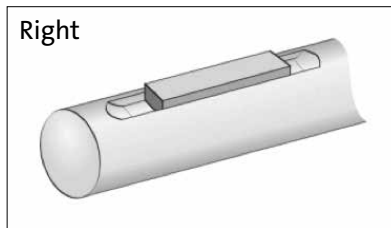


The empty holes should be filled with grease to prevent the ingress of foreign bodies.

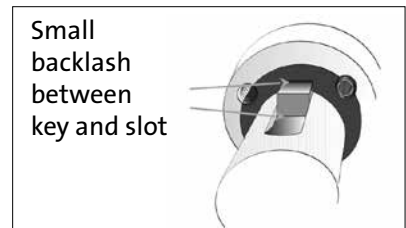
- Clean and degrease all contact surfaces. Then, insert the bush into the hub and align the holes.
- Lightly oil the thread/fixing screw and screw "loose" screws into the holes provided.
- Clean the shaft and push the hub (e.g. belt pulley) with the locking bush on the shaft to the desired position. With keyway: First insert the keyway in the shaft and align the hub (align in such a way that the keyway is along the entire length of the bush). Only use keyway with parallel sides (not a wedge).



Wrong



Right

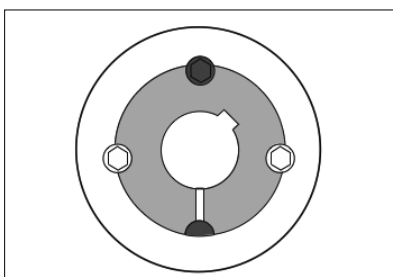


Small backlash between key and slot

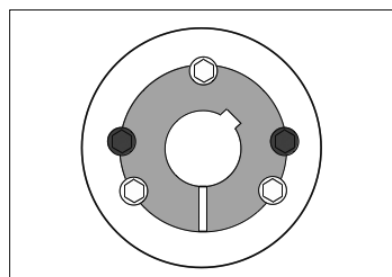
If there is a shaft slot, the slot of the bush must be turned 180 degrees to align it with the shaft slot. Ensure that the locking bush first clamps the shaft and then the hub.

- Using an Allen key, gradually tighten the screws alternately to the prescribed tightening torque as indicated in the table. Use a torque key!
- Using a hammer, hit the thicker side of the locking bush. In order to avoid damage, use e.g. a block of wood between the hammer and the bush. This ensures that the bush sits correctly on the shaft or in the hole of the toothed lock washer. After this, tighten the the screws again to the maximum tightening torque.
- After a short running-in phase, the tightening torque of the screws should be checked again.
- Fill the unused holes with grease to prevent the ingress of foreign bodies.

Undo all the screws and screw the well oiled screw(s) into the removal holes. Tighten the screw(s) until the locking bush is loosened. Pull the complete unit off the shaft.

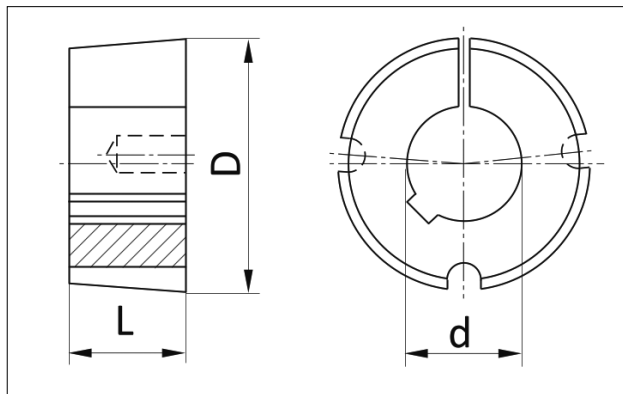


Type 1008 to 3030
with 2 screws



Type 3525 to 5050
with 3 screws

Taper Lock® locking bushes



		1008	1108	1210	1610	1615	2012	2517	3020	3030	3525	3535	4030	4040	4535	4545	5040	5050
Approx. weight	[kg]	0.1	0.1	0.2	0.3	0.5	0.7	1.5	2.7	3.6	3.8	5	5.6	7.7	7.5	10	11.1	14
D	[mm]	35	38	47.5	57	57	70	85.5	108	108	127	127	146	146	162	162	178	178
L	[mm]	22.3	22.3	25.4	25.4	38.1	31.8	44.5	50.8	76.2	63.5	89	76.2	102	89	114	102	127
Screws	[pieces]	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3
Key size	[mm]	3	3	5	5	5	6	8	8	10	10	10	12	12	14	14	14	14
Tightening torque	[Nm]	5.6	5.6	20	20	20	30	50	90	90	115	115	170	170	190	190	270	270

Taper Lock®																	
d [mm]	1008	1108	1210	1610	1615	2012	2517	3020	3030	3525	3535	4030	4040	4535	4545	5040	5050
9	•	•															
10	•	•															
11	•	•	•														
12	•	•	•														
14	•	•	•	•	•	•											
15	•	•	•	•	•	•											
16	•	•	•	•	•	•	•										
18	•	•	•	•	•	•	•										
19	•	•	•	•	•	•	•										
20	•	•	•	•	•	•	•										
22	•	•	•	•	•	•	•										
24	•	•	•	•	•	•	•	•									
25	•	•	•	•	•	•	•	•									
28		•*	•	•	•	•	•	•									
30			•	•	•	•	•	•	•	•	•						
32			•	•	•	•	•	•	•	•	•						
35				•	•	•	•	•	•	•	•	•	•				
38				•	•	•	•	•	•	•	•	•	•				
40				•*	•	•	•	•	•	•	•	•	•				
42				•*	•*	•	•	•	•	•	•	•	•				
45						•	•	•	•	•	•	•	•				
48						•	•	•	•	•	•	•	•	•	•		
50						•	•	•	•	•	•	•	•	•	•		
55							•	•	•	•	•	•	•	•	•	•	
60							•	•	•	•	•	•	•	•	•	•	•
65							•	•	•	•	•	•	•	•	•	•	•
70							•	•	•	•	•	•	•	•	•	•	•
75							•	•	•	•	•	•	•	•	•	•	•
80								•	•	•	•	•	•	•	•	•	•
85									•	•	•	•	•	•	•	•	•
90									•*			•	•	•	•	•	•
95									•*			•*	•	•	•	•	•
100									•*			•*	•	•	•	•	•
105												•*	•	•	•	•	•
110													•	•	•	•	•
115													•*	•	•	•	•
120													•*	•	•	•	•
125													•*	•	•	•	•

Material: GG25

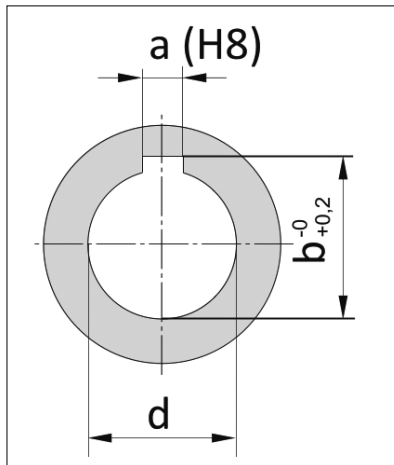
* ... Material: steel or ductile cast iron

•... Shallow slot acc. to DIN 6885/3

Other types of bush. Different diameters. Inch holes + keyway to British Standard and chemically nickel-plated Taper Lock® bushes available on request.



Technical data and dimensions



d [mm]	a [mm]	b [mm]
over 8 to 10	3	d + 1.4
over 10 to 12	4	d + 1.8
over 12 to 17	5	d + 2.3
over 17 to 22	6	d + 2.8
over 22 to 30	8	d + 3.3
over 30 to 38	10	d + 3.3
over 38 to 44	12	d + 3.3
over 44 to 50	14	d + 3.8
over 50 to 58	16	d + 4.3
over 58 to 65	18	d + 4.4
over 65 bis 75	20	d + 4.9
over 75 to 85	22	d + 5.4
over 85 to 95	25	d + 5.4
over 95 to 110	28	d + 6.4
over 110 to 130	32	d + 7.4

d* [mm]	a [mm]	b [mm]
24	8	d + 1.3
25	8	d + 1.3
28	8	d + 1.3
35	10	d + 1.3
42	12	d + 1.3
100	28	d + 4.4
115	32	d + 5.4

Taper Lock® connections are effective for shaft tolerances of:
+0.05 to -0.125 mm.

Locking elements for toothed belt pulleys

For a friction-locked shaft-hub connection



Your advantages compared to a keyway connection:

- Absolutely backlash-free - Ideal for servo technology and reversing duty
- Permanent, non-destructive connection and speedy mounting/ removal
- Positioning possible in an axial direction on the shaft
- Transmission of the torque with simultaneous absorption of axial forces
- Can be re-used several times, depending on the type of construction
- Saving in materials in respect of shaft-hub dimensions
- No special surface quality necessary
- No fretting corrosion and better fatigue factors

The advantages and technical data of the Taper Lock® locking bushes are shown on the preceding pages. On the following page, you can find an overview of our locking elements for toothed belt pulleys. Detailed lists of our locking elements are provided in our catalogues:

- Mechanical locking elements
- Hydraulic bushes and clamping elements

We will be happy to help you choose the locking element that is right for your application. On the basis of your performance data, ambient conditions etc., we will find the best solution for your shaft-hub connection. On request, we will also calculate the necessary minimum hub diameter so that safe and reliable operation is guaranteed.

Do you already have an idea of what you want or need a tailored-made solution? Our application engineers will be happy to advise you.



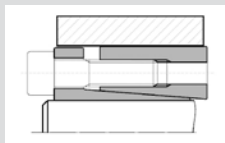
Locking elements for toothed belt pulleys

For a friction-locked shaft-hub connection

Mechanical locking elements	Hydraulic locking bushes

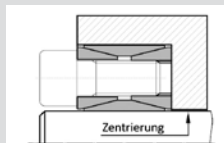
Self-centering

Shaft and hub are centred in relation to each other by means of clamping set. Additional centering of the hub is not necessary.



Not self-centering

Centering between shaft and hub necessary



Self-centering/ Without axial displacement ...

...when the locking bush is being fitted Secure shaft/hub connection with only one radial screw

ETP-EXPRESS

Extremely easy to fit in very small installation space – also with rust-free

- very small mounting dimensions for compact construction
- Extremely fast mounting/removal
- Easy, exact positioning without axial displacement
- High concentricity factor
- Mounting/removal up to 2,000 times



ETP-TECHNO

Very easy to mount with maximum precision – even after thousands of mountings

- Concentricity ≤ 0.006 mm
- Mounted/removed extremely quickly
- Easy, exact positioning without axial displacement
- Removal/mounting up to 5,000 times



ETP-POWER

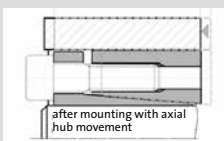
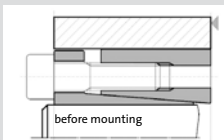
Very easy to mount for high radial forces

- For high radial forces
- Extremely fast installation/removal
- Easy, exact positioning without axial displacement
- High concentricity factor
- Removal/mounting up to 5,000 times



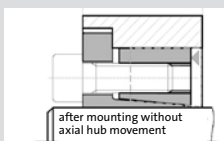
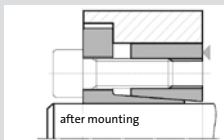
With axial hub movement ...

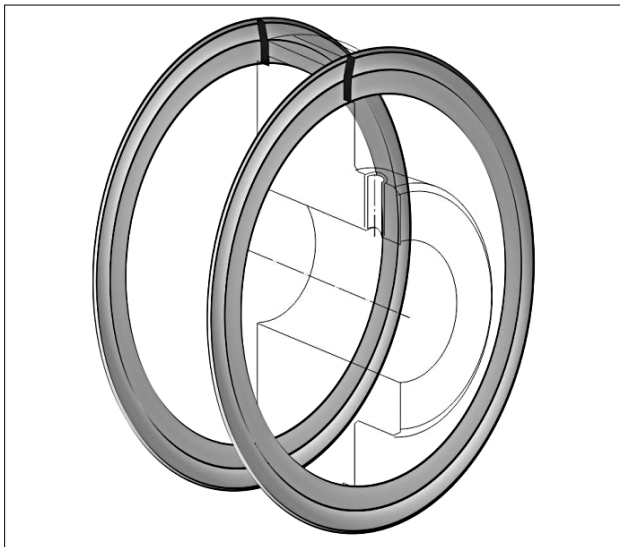
... during mounting of the clamping set. Catalogue values are applicable if hub can be displaced freely.



Without axial hub movement ...

... during mounting of the clamping set.

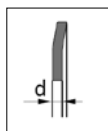




Rim flanges guide the belt and ensure that the belt does not fall off the pulley. As a rule, the smaller pulley of the drive has two rim flanges. Alternating attachment of the rim flange is also possible for each belt pulley.

The standard rim flanges are crimped. If you need individual types of flange e.g. screwed-on rim flanges, stainless-steel rim flanges etc., we will be happy to advise you..

Assignment table:



Number of teeth	HTD / GT		HTD / PolyChain®		Metric T / AT		
	3M d = 0.5mm	5M d = 1mm	8M d = 1.5mm	14M d = 2.5mm	T2.5 d = 0.5mm	T5 / AT5 d = 1mm	T10 / AT10 d = 1mm
8							
9	B73						
10	B73					B0	
11	B73					B1	
12	B74	B78			B73	B1	B7
13	B74	B2			B73	B2	B8
14	B75	B2			B74	B2	B9
15	B76	B3	B82*		B74	B3	B10
16	B77	B3	B83*		B75	B4	B11
17	B0	B4	B98*		B76	B4	B12
18	B0	B4	B96*		B76	B4	B13
19	B0	B97*	B84*		B77	B5	B15
20	B78	B5	B85*		B0	B5	B15
21	B2	B6	B99*		B0	B6	B16
22	B2	B6	B13		B1	B6	B17
23	B2	B7	B14		B78	B7	B18*
24	B2	B7	B15		B78	B7	B19
25	B3	B8	B103		B78	B8	B19
26	B3	B8	B16		B2	B8	B20
27	B4	B9	B17		B2	B9	B21
28	B4	B9	B17	B120	B2	B9	B22
29	B4	B10	B18	B121	B3	B10	B23
30	B4	B10	B19	B121	B3	B10	B23
31	B5	B11	B105*	B44*	B4	B11	B24*
32	B5	B11	B20	B45	B4	B11	B25
33	B5	B12	B20	B46	B4	B12	B26*
34	B6	B12	B21	B46	B4	B12	B27*
35	B6	B13	B22	B47	B4	B13	B27*
36	B6	B13	B106	B47	B5	B14	B28
37	B7	B15	B23	B48*	B5	B14	B29*
38	B7	B15	B24	B49	B5	B15	B30*
39	B7	B15	B25	B49	B5	B15	B30*
40	B7	B16	B25	B50	B6	B15	B31
41	B8*	B16	B26	B50	B6	B16	B32*
42	B8*	B17	B26	B51*	B6	B16	B33*
43	B9	B17	B27	B53*	B6	B17	B34*
44	B9	B17	B28	B55	B7	B17	B34*
45	B9	B18*	B28	B55	B7	B18*	B35*
46	B9	B18*	B29	B56*	B7	B18*	B36*
47	B10*	B18*	B108*	B57	B7	B18*	B36*
48	B10*	B19	B30	B57	B7	B19	B37*
49	B10*	B19	B31	B58	B8*	B19	B37*
50	B10*	B20	B31	B58	B8*	B20	B38*
51	B11*	B20	B32	B59	B9	B20	B38*
52	B11*	B20	B33	B59	B9	B20	B38*
53	B11*	B21	B33		B9	B21	B39*
54	B12*	B21	B34		B9	B21	B39*

Number of teeth	HTD / GT		HTD / PolyChain®		Metric T / AT		
	3M d = 0.5mm	5M d = 1mm	8M d = 1.5mm	14M d = 2.5mm	T2.5 d = 0.5mm	T5 / AT5 d = 1mm	T10 / AT10 d = 1mm
55	B12*	B22	B34	B61	B9	B22	B40*
56	B12*	B22	B35	B61	B10*	B22	B40*
57	B13*	B23	B36		B10*	B23	B41*
58	B13*	B23	B36	B66*	B10*	B23	B41*
59	B14*	B23	B46*	B66*	B10*	B23	B41*
60	B14*	B24*	B37	B63*	B10*	B24*	B42*
61	B15*	B24*	B47*	B63*	B11*	B24*	B42*
62	B15*	B25	B47*	B63*	B11*	B25	B54*
63	B15*	B25	B38	B64	B11*	B25	B56*
64	B15*	B25	B38	B64	B11*	B25	B56*
65	B15*	B90*	B48*		B12*	B26*	B56*
66	B16*	B90*	B39		B12*	B26*	B56*
67	B16*	B26*	B39		B12*	B26*	B57*
68	B16*	B91*	B50*		B13*	B27*	B58*
69	B16*	B91*	B40		B13*	B27*	B58*
70	B17*	B27*	B40		B13*	B28	B58*
71	B17*	B92*	B50*		B13*	B28	B59*
72	B17*	B28	B41		B13*	B28	B59*
73		B29*	B41		B15*	B28	
74		B29*			B15	B29*	
75		B30*	B42		B15	B29*	
76					B15	B29*	
77					B15	B30*	
78					B103*	B30*	
79					B103*	B31	
80					B103*	B31	
81					B16*	B32*	
82					B16*	B32*	
83					B17*	B32*	
84					B17*	B33*	
85					B17*	B33*	
86					B17*	B33*	
87					B18*	B34*	
88					B18*	B34*	
89					B18*	B35*	
90					B18*	B35*	
91					B18*	B36*	
92					B18*	B36*	
93					B18*	B36*	
94					B104*	B37*	
95					B104*	B37*	
96					B19*	B37*	
97					B105*	B37*	
98					B105*	B38*	
99					B105*	B38*	
100					B105*	B38*	



Table of dimensions [mm]:

Rim flange type			
B 0	12.0	17.5	19.5
B 1	12.0	17.5	23.0
B 2	15.0	22.0	25.0
B 3	18.0	24.0	28.0
B 4	21.5	28.0	32.0
B 5	25.0	31.0	36.0
B 6	28.0	34.0	38.0
B 7	30.5	38.0	42.0
B 8	33.0	40.0	44.0
B 9	37.0	43.5	48.0
B 10	40.0	47.5	51.0
B 11	43.0	50.5	54.0
B 12	46.0	53.0	57.0
B 13	47.0	57.0	60.0
B 14	48.0	57.0	63.0
B 15	52.0	61.5	66.0
B 16	56.0	65.0	71.0
B 17	60.0	68.5	75.0
B 18	64.0	73.5	79.0
B 19	68.0	76.5	83.0
B 20	72.0	82.5	87.0
B 21	76.0	85.5	91.0
B 22	80.0	89.0	93.0
B 23	83.0	93.0	97.0
B 24	86.0	97.0	103.0
B 25	90.0	101.0	106.0
B 26	94.0	106.0	111.0
B 27	99.0	110.0	115.0
B 28	103.0	113.5	119.0
B 29	107.0	117.5	123.0
B 30	111.0	122.0	127.0
B 31	115.0	125.5	131.0
B 32	119.0	130.0	135.0
B 33	123.0	134.5	140.0
B 34	127.0	139.0	143.0
B 35	132.0	143.0	148.0
B 36	136.0	147.5	152.0
B 37	142.0	154.0	158.0
B 38	149.5	163.0	168.0
B 39	157.0	170.0	175.0
B 40	165.0	179.0	184.0
B 41	173.0	187.0	192.0
B 42	181.0	195.0	200.0
B 44	116.0	138.0	146.0
B 45	122.0	146.0	154.0

Rim flange type			
B 46	128.0	150.0	160.0
B 47	135.0	162.0	168.0
B 48	144.0	166.0	174.0
B 49	145.0	170.0	183.0
B 50	158.0	180.0	188.0
B 51	165.0	188.0	198.0
B 52	155.0	185.0	197.0
B 53	172.0	192.8	200.0
B 54	164.0	196.0	205.0
B 55	175.0	198.0	211.0
B 56	186.0	208.0	216.0
B 57	190.0	214.0	226.0
B 58	200.0	222.0	230.0
B 59	208.0	230.0	240.0
B 60	195.0	228.0	240.0
B 61	225.0	246.0	256.0
B 62	208.0	246.0	256.0
B 63	242.0	277.0	286.0
B 64	252.0	287.0	296.0
B 66	235.0	261.0	278.0
B 73	6.0	10.0	13.0
B 74	8.0	12.0	15.0
B 75	9.5	13.0	16.0
B 76	10.5	14.5	17.5
B 77	11.5	15.0	18.0
B 78	14.0	20.0	23.0
B 82	28.0	38.0	42.0
B 83	30.0	40.0	44.0
B 84	38.0	47.5	51.0
B 85	41.0	50.5	54.0
B 90	90.0	106.0	111.0
B 91	94.0	110.0	115.0
B 92	99.0	113.5	119.0
B 96	36.0	45.0	49.0
B 97	22.4	29.5	35.0
B 98	33.3	42.0	49.0
B 99	44.5	55.5	62.0
B 103	50.8	63.7	70.0
B 104	63.5	75.8	86.0
B 105	66.6	79.8	86.0
B 106	79.3	92.0	98.5
B 108	104.5	120.2	127.0
B 120	109.5	120.2	127.0
B 121	110.0	130.0	138.0

Material: zinc-coated steel

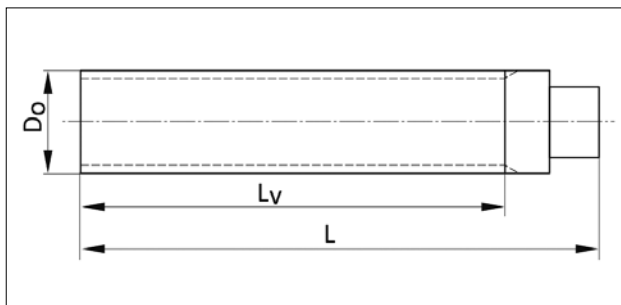
Rim flanges with other dimensions or made of other materials are available on request.



PolyChain® timing bars	PowerGrip® GT timing bars
PowerGrip® HTD® timing bars	Metric T and AT timing bars



Pitch 8M



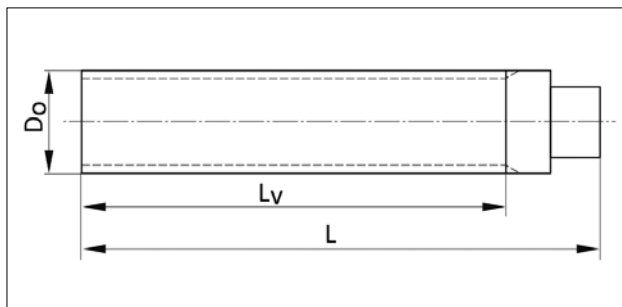
Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
PC 22-8M	22	56.02	54.42	200	200
PC 23-8M	23	58.57	56.97	200	200
PC 24-8M	24	61.12	59.52	200	200
PC 25-8M	25	63.66	62.06	200	200
PC 26-8M	26	66.21	64.61	200	200
PC 27-8M	27	68.75	67.15	200	200
PC 28-8M	28	71.3	69.7	200	200
PC 29-8M	29	73.85	72.25	200	200
PC 30-8M	30	76.39	74.79	200	200
PC 31-8M	31	78.94	77.34	200	200
PC 32-8M	32	81.49	79.89	200	200
PC 33-8M	33	84.03	82.43	200	200
PC 34-8M	34	86.58	84.98	200	200
PC 35-8M	35	89.13	87.53	200	200
PC 36-8M	36	91.67	90.07	200	200
PC 37-8M	37	94.22	92.62	200	200
PC 38-8M	38	96.77	95.17	200	200
PC 39-8M	39	99.31	97.71	200	200
PC 40-8M	40	101.86	100.26	200	200
PC 42-8M	42	106.95	105.35	200	200
PC 44-8M	44	112.05	110.45	200	200
PC 45-8M	45	114.59	112.99	200	200
PC 48-8M	48	122.23	120.63	200	200
PC 50-8M	50	127.32	125.72	200	200
PC 56-8M	56	142.6	141	200	200
PC 60-8M	60	152.79	151.19	200	200
PC 64-8M	64	162.97	161.37	200	200
PC 70-8M	70	178.25	176.65	200	200
PC 72-8M	72	183.35	181.75	200	200
PC 75-8M	75	190.99	189.39	200	200
PC 78-8M	78	198.63	197.03	200	200

PolyChain® timing bars made of steel.

PolyChain® timing bars with a 14M pitch, made of other materials or with a different number of teeth are available on request.



Pitch 3MR and 5MR



GT 3MR

Designation	Number of teeth	Dp [mm]	Do [mm]	L _v [mm]	L [mm]
9-3MR	9	8.59	7.83	80	100
10-3MR	10	9.55	8.79	80	100
11-3MR	11	10.5	9.74	80	100
12-3MR	12	11.46	10.7	125	145
13-3MR	13	12.41	11.65	125	145
14-3MR	14	13.37	12.61	125	145
15-3MR	15	14.32	13.56	125	145
16-3MR	16	15.28	14.52	125	145
17-3MR	17	16.23	15.47	125	145
18-3MR	18	17.19	16.43	125	145
19-3MR	19	18.14	17.38	125	145
20-3MR	20	19.1	18.34	175	190
21-3MR	21	20.05	19.29	175	190
22-3MR	22	21.01	20.25	175	190
23-3MR	23	21.96	21.2	175	190
24-3MR	24	22.92	22.16	175	190
25-3MR	25	23.87	23.11	175	190
26-3MR	26	24.83	24.07	175	190
27-3MR	27	25.78	25.02	200	210
28-3MR	28	26.74	25.98	200	210
29-3MR	29	27.69	26.93	200	210
30-3MR	30	28.65	27.89	200	210
31-3MR	31	29.6	28.84	200	210
32-3MR	32	30.56	29.8	200	210
33-3MR	33	31.51	30.75	200	210
34-3MR	34	32.47	31.71	200	210
35-3MR	35	33.42	32.66	200	210
36-3MR	36	34.38	33.62	200	210
37-3MR	37	35.33	34.57	200	210
38-3MR	38	36.29	35.53	200	210
39-3MR	39	37.24	36.48	200	210
40-3MR	40	38.2	37.44	200	210
42-3MR	42	40.11	39.35	200	210
44-3MR	44	42.02	41.26	200	210
45-3MR	45	42.97	42.21	200	210
48-3MR	48	45.84	45.08	200	200
50-3MR	50	47.75	46.99	200	200
52-3MR	52	49.66	48.9	200	200
54-3MR	54	51.57	50.81	200	200
56-3MR	56	53.48	52.72	200	200
60-3MR	60	57.3	56.54	200	200
62-3MR	62	59.21	58.45	200	200
64-3MR	64	61.12	60.36	200	200
66-3MR	66	63.03	62.27	200	200
68-3MR	68	64.94	64.18	200	200
70-3MR	70	66.85	66.09	200	200
72-3MR	72	68.75	67.99	200	200

GT 5MR

Designation	Number of teeth	Dp [mm]	Do [mm]	L _v [mm]	L [mm]
12-5MR	12	19.1	17.96	175	190
13-5MR	13	20.69	19.55	175	190
14-5MR	14	22.28	21.14	175	190
15-5MR	15	23.87	22.73	175	190
16-5MR	16	25.46	24.32	175	190
17-5MR	17	27.06	25.92	200	210
18-5MR	18	28.65	27.51	200	210
19-5MR	19	30.24	29.1	200	210
20-5MR	20	31.83	30.69	200	210
21-5MR	21	33.42	32.28	200	210
22-5MR	22	35.01	33.87	200	210
23-5MR	23	36.61	35.47	200	210
24-5MR	24	38.2	37.06	200	210
25-5MR	25	39.79	38.65	200	210
26-5MR	26	41.38	40.24	200	210
27-5MR	27	42.97	41.83	200	210
28-5MR	28	44.56	43.42	200	210
29-5MR	29	46.15	45.01	200	200
30-5MR	30	47.75	46.6	200	200
31-5MR	31	49.34	48.2	200	200
32-5MR	32	50.93	49.79	200	200
33-5MR	33	52.52	51.38	200	200
34-5MR	34	54.11	52.97	200	200
35-5MR	35	55.7	54.56	200	200
36-5MR	36	57.3	56.16	200	200
38-5MR	38	60.48	59.34	200	200
40-5MR	40	63.66	62.52	200	200
41-5MR	41	65.25	64.11	200	200
42-5MR	42	66.85	65.71	200	200
44-5MR	44	70.03	68.89	200	200
45-5MR	45	71.62	70.48	200	200
46-5MR	46	73.21	72.07	200	200
48-5MR	48	76.39	75.25	200	200
50-5MR	50	79.58	78.43	200	200
54-5MR	54	85.94	84.8	200	200
60-5MR	60	95.49	94.35	200	200
62-5MR	62	98.68	97.54	200	200
72-5MR	72	114.59	113.45	200	200
75-5MR	75	119.37	118.23	200	200
80-5MR	80	127.32	126.18	200	200
88-5MR	88	140.06	138.92	200	200

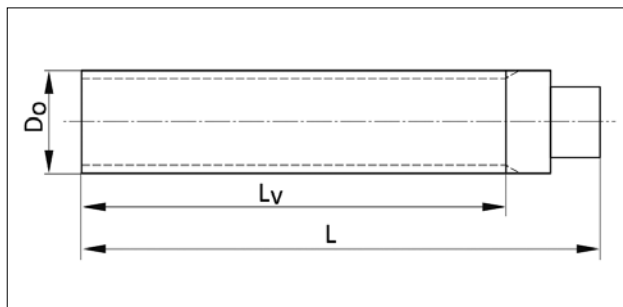
PowerGrip® GT timing bars with a 3MR pitch made of aluminium.

PowerGrip® GT timing bars with a 5MR pitch made of aluminium or steel.

Timing bars made of other materials or with a different number of teeth available on request.



Pitch 3M / 5M / 8M



HTD 3M

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
HTD 9-3M	9	8.59	7.83	80	100
HTD 10-3M	10	9.55	8.79	80	100
HTD 11-3M	11	10.5	9.74	80	100
HTD 12-3M	12	11.46	10.7	125	145
HTD 13-3M	13	12.41	11.65	125	145
HTD 14-3M	14	13.37	12.61	125	145
HTD 15-3M	15	14.32	13.56	125	145
HTD 16-3M	16	15.28	14.52	125	145
HTD 17-3M	17	16.23	15.47	125	145
HTD 18-3M	18	17.19	16.43	125	145
HTD 19-3M	19	18.14	17.38	125	145
HTD 20-3M	20	19.1	18.34	175	190
HTD 21-3M	21	20.05	19.29	175	190
HTD 22-3M	22	21.01	20.25	175	190
HTD 23-3M	23	21.96	21.2	175	190
HTD 24-3M	24	22.92	22.16	175	190
HTD 25-3M	25	23.87	23.11	175	190
HTD 26-3M	26	24.83	24.07	175	190
HTD 27-3M	27	25.78	25.02	200	210
HTD 28-3M	28	26.74	25.98	200	210
HTD 29-3M	29	27.69	26.93	200	210
HTD 30-3M	30	28.65	27.89	200	210
HTD 31-3M	31	29.6	28.84	200	210
HTD 32-3M	32	30.56	29.8	200	210
HTD 33-3M	33	31.51	30.75	200	210
HTD 34-3M	34	32.47	31.71	200	210
HTD 35-3M	35	33.42	32.66	200	210
HTD 36-3M	36	34.38	33.62	200	210
HTD 37-3M	37	35.33	34.57	200	210
HTD 38-3M	38	36.29	35.53	200	210
HTD 39-3M	39	37.24	36.48	200	210
HTD 40-3M	40	38.2	37.44	200	210
HTD 42-3M	42	40.11	39.35	200	210
HTD 44-3M	44	42.02	41.26	200	210
HTD 45-3M	45	42.97	42.21	200	210
HTD 48-3M	48	45.84	45.08	200	200
HTD 50-3M	50	47.75	46.99	200	200
HTD 52-3M	52	49.66	48.9	200	200
HTD 54-3M	54	51.57	50.81	200	200
HTD 56-3M	56	53.48	52.72	200	200
HTD 60-3M	60	57.3	56.54	200	200
HTD 62-3M	62	59.21	58.45	200	200
HTD 64-3M	64	61.12	60.36	200	200
HTD 66-3M	66	63.03	62.27	200	200
HTD 68-3M	68	64.94	64.18	200	200
HTD 70-3M	70	66.85	66.09	200	200
HTD 72-3M	72	68.75	67.99	200	200

HTD 5M

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
HTD 12-5M	12	19.1	17.96	175	190
HTD 13-5M	13	20.69	19.55	175	190
HTD 14-5M	14	22.28	21.14	175	190
HTD 15-5M	15	23.87	22.73	175	190
HTD 16-5M	16	25.46	24.32	175	190
HTD 17-5M	17	27.06	25.92	200	210
HTD 18-5M	18	28.65	27.51	200	210
HTD 19-5M	19	30.24	29.1	200	210
HTD 20-5M	20	31.83	30.69	200	210
HTD 21-5M	21	33.42	32.28	200	210
HTD 22-5M	22	35.01	33.87	200	210
HTD 23-5M	23	36.61	35.47	200	210
HTD 24-5M	24	38.2	37.06	200	210
HTD 25-5M	25	39.79	38.65	200	210
HTD 26-5M	26	41.38	40.24	200	210
HTD 27-5M	27	42.97	41.83	200	210
HTD 28-5M	28	44.56	43.42	200	210
HTD 29-5M	29	46.15	45.01	200	200
HTD 30-5M	30	47.75	46.6	200	200
HTD 31-5M	31	49.34	48.2	200	200
HTD 32-5M	32	50.93	49.79	200	200
HTD 33-5M	33	52.52	51.38	200	200
HTD 34-5M	34	54.11	52.97	200	200
HTD 35-5M	35	55.7	54.56	200	200
HTD 36-5M	36	57.3	56.16	200	200
HTD 38-5M	38	60.48	59.34	200	200
HTD 40-5M	40	63.66	62.52	200	200
HTD 42-5M	42	66.85	65.71	200	200
HTD 44-5M	44	70.03	68.89	200	200
HTD 45-5M	45	71.62	70.48	200	200
HTD 46-5M	46	73.21	72.07	200	200
HTD 48-5M	48	76.39	75.25	200	200
HTD 50-5M	50	79.58	78.43	200	200
HTD 54-5M	54	85.94	84.8	200	200
HTD 58-5M	58	92.31	91.17	200	200
HTD 60-5M	60	95.49	94.35	200	200
HTD 62-5M	62	98.68	97.54	200	200
HTD 72-5M	72	114.59	113.45	200	200
HTD 75-5M	75	119.37	118.23	200	200
HTD 80-5M	80	127.32	126.18	200	200

HTD 8M

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
HTD 18-8M	18	45.84	44.46	200	200
HTD 19-8M	19	48.38	47.01	200	200
HTD 20-8M	20	50.93	49.56	200	200
HTD 21-8M	21	53.48	52.1	200	200
HTD 22-8M	22	56.02	54.65	200	200
HTD 23-8M	23	58.57	57.2	200	200
HTD 24-8M	24	61.12	59.75	200	200
HTD 25-8M	25	63.66	62.29	200	200
HTD 26-8M	26	66.21	64.84	200	200
HTD 27-8M	27	68.75	67.38	200	200
HTD 28-8M	28	71.3	70.08	200	200
HTD 29-8M	29	73.85	72.62	200	200
HTD 30-8M	30	76.39	75.13	200	200
HTD 32-8M	32	81.49	80.16	200	200
HTD 34-8M	34	86.58	85.22	200	200
HTD 35-8M	35	89.13	87.76	200	200
HTD 36-8M	36	91.67	90.3	200	200
HTD 38-8M	38	96.77	95.39	200	200
HTD 40-8M	40	101.86	100.49	200	200
HTD 42-8M	42	106.95	105.58	200	200
HTD 44-8M	44	112.05	110.67	200	200
HTD 45-8M	45	114.59	113.22	200	200
HTD 48-8M	48	122.23	120.86	200	200
HTD 50-8M	50	127.32	125.95	200	200
HTD 56-8M	56	142.6	141.23	200	200
HTD 60-8M	60	152.79	151.42	200	200
HTD 64-8M	64	162.97	161.6	200	200
HTD 70-8M	70	178.25	176.88	200	200
HTD 72-8M	72	183.35	181.97	200	200
HTD 75-8M	75	190.99	189.61	200	200

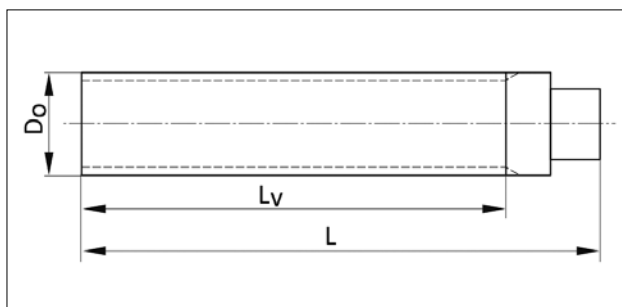
PowerGrip® HTD timing bars with a3M pitch made of aluminium.

PowerGrip® HTD timing bars with a 5M or 8M pitch made of aluminium or steel.

Timing bars made of other materials or with a different number of teeth available on request



Pitch T2.5 / T5 / T10 / T20



T2.5

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
T2.5-10	10	7.96	7.42	80	100
T2.5-12	12	9.55	9	80	100
T2.5-13	13	10.35	9.8	125	145
T2.5-14	14	11.14	10.6	125	145
T2.5-15	15	11.94	11.4	125	145
T2.5-16	16	12.73	12.2	125	145
T2.5-17	17	13.53	13	125	145
T2.5-18	18	14.32	13.8	125	145
T2.5-19	19	15.12	14.6	125	145
T2.5-20	20	15.92	15.4	125	145
T2.5-21	21	16.71	16.2	125	145
T2.5-22	22	17.51	17	125	145
T2.5-23	23	18.3	17.78	175	190
T2.5-24	24	19.1	18.55	175	190
T2.5-25	25	19.89	19.35	175	190
T2.5-26	26	20.69	20.15	175	190
T2.5-27	27	21.49	20.95	175	190
T2.5-28	28	22.28	21.75	175	190
T2.5-29	29	23.08	22.55	175	190
T2.5-30	30	23.87	23.35	175	190
T2.5-32	32	25.46	24.95	200	210
T2.5-34	34	27.06	26.55	200	210
T2.5-35	35	27.85	27.35	200	210
T2.5-36	36	28.65	28.1	200	210
T2.5-38	38	30.24	29.7	200	210
T2.5-40	40	31.83	31.3	200	210
T2.5-42	42	33.42	32.9	200	210
T2.5-44	44	35.01	34.5	200	210
T2.5-45	45	35.81	35.3	200	210
T2.5-48	48	38.2	37.7	200	210
T2.5-50	50	39.79	39.29	200	210
T2.5-60	60	47.75	47.25	200	200
T2.5-65	65	51.73	51.2	200	200
T2.5-70	70	55.7	55.2	200	200
T2.5-72	72	57.3	56.8	200	200
T2.5-90	90	71.62	71.12	200	200
T2.5-100	100	79.58	79.08	200	200

T5

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
T5-10	10	15.92	15.05	125	145
T5-11	11	17.51	16.65	125	145
T5-12	12	19.1	18.25	175	190
T5-13	13	20.69	19.85	175	190
T5-14	14	22.28	21.45	175	190
T5-15	15	23.87	23.05	175	190
T5-16	16	25.46	24.6	175	190
T5-17	17	27.06	26.2	200	210
T5-18	18	28.65	27.8	200	210
T5-19	19	30.24	29.4	200	210
T5-20	20	31.83	31	200	210
T5-21	21	33.42	32.7	200	210
T5-22	22	35.01	34.25	200	210
T5-23	23	36.61	35.85	200	210
T5-24	24	38.2	37.4	200	210
T5-25	25	39.79	39	200	210
T5-26	26	41.38	40.6	200	210
T5-27	27	42.97	42.2	200	210
T5-28	28	44.56	43.75	200	210
T5-29	29	46.15	45.35	200	200
T5-30	30	47.75	46.95	200	200
T5-32	32	50.93	50.1	200	200
T5-34	34	54.11	53.25	200	200
T5-35	35	55.7	54.85	200	200
T5-36	36	57.3	56.45	200	200
T5-37	37	58.89	58.06	200	200
T5-38	38	60.48	59.65	200	200
T5-40	40	63.66	62.85	200	200
T5-42	42	66.85	66	200	200
T5-44	44	70.03	69.2	200	200
T5-45	45	71.62	70.8	200	200
T5-46	46	73.21	72.4	200	200
T5-48	48	76.39	75.55	200	200
T5-50	50	79.58	78.75	200	200
T5-58	58	92.31	91.48	200	200
T5-60	60	95.49	94.65	200	200
T5-70	70	111.41	110.58	200	200
T5-72	72	114.59	113.75	200	200
T5-75	75	119.37	118.53	200	200
T5-80	80	127.32	126.48	200	200
T5-90	90	143.24	142.4	200	200
T5-100	100	159.15	158.31	200	200

T10

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
T10-10	10	31.83	29.98	200	210
T10-11	11	35.01	33.16	200	210
T10-12	12	38.2	36.35	200	210
T10-13	13	41.38	39.5	200	210
T10-14	14	44.56	42.7	200	210
T10-15	15	47.75	45.9	200	200
T10-16	16	50.93	49.05	200	200
T10-17	17	54.11	52.25	200	200
T10-18	18	57.3	55.45	200	200
T10-19	19	60.48	58.6	200	200
T10-20	20	63.66	61.8	200	200
T10-21	21	66.85	65	200	200
T10-22	22	70.03	68.15	200	200
T10-23	23	73.21	71.35	200	200
T10-24	24	76.39	74.55	200	200
T10-25	25	79.58	77.7	200	200
T10-26	26	82.76	80.9	200	200
T10-27	27	85.94	84.1	200	200
T10-28	28	89.13	87.25	200	200
T10-29	29	92.31	90.47	200	200
T10-30	30	95.49	93.65	200	200
T10-31	31	98.68	96.8	200	200
T10-32	32	101.86	100	200	200
T10-34	34	108.23	106.4	200	200
T10-36	36	114.59	112.75	200	200
T10-38	38	120.96	119.1	200	200
T10-40	40	127.32	125.45	200	200
T10-42	42	133.69	131.85	200	200
T10-44	44	140.06	138.2	200	200
T10-45	45	143.24	141.4	200	200
T10-48	48	152.79	150.95	200	200
T10-60	60	190.99	189.1	200	200
T10-72	72	229.18	227.29	200	200

T20

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
T20-18	18	114.59	111.73	200	200
T20-19	19	120.96	118.1	200	200
T20-20	20	127.33	124.47	200	200
T20-21	21	133.69	130.83	200	200
T20-22	22	140.06	137.2	200	200
T20-23	23	146.43	143.57	200	200
T20-24	24	152.79	149.93	200	200
T20-25	25	159.16	156.3	200	200
T20-26	26	165.53	162.67	200	200
T20-28	28	178.26	175.4	200	200
T20-30	30	190.99	188.13	200	200

Metric T timing bars with a T2.5 pitch made of aluminium.

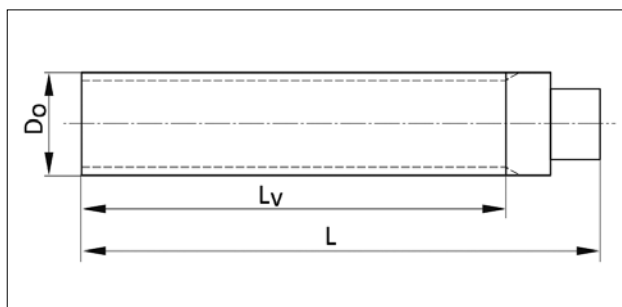
Metric T timing bars with a T5 or T10 pitch made of aluminium or steel.

Metric T timing bars with a T20 pitch made of steel.

Timing bars made of other materials or with a different number of teeth available on request.



Pitch AT5 / AT10 / AT20



AT5

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
AT5-12	12	19.1	17.85	175	190
AT5-13	13	20.69	19.45	175	190
AT5-14	14	22.28	21.05	175	190
AT5-15	15	23.87	22.65	175	190
AT5-16	16	25.46	24.2	175	190
AT5-17	17	27.06	25.8	200	210
AT5-18	18	28.65	27.4	200	210
AT5-19	19	30.24	29	200	210
AT5-20	20	31.83	30.6	200	210
AT5-21	21	33.42	32.3	200	210
AT5-22	22	35.01	33.85	200	210
AT5-23	23	36.61	35.45	200	210
AT5-24	24	38.2	37	200	210
AT5-25	25	39.79	38.6	200	210
AT5-26	26	41.38	40.2	200	210
AT5-27	27	42.97	41.8	200	210
AT5-28	28	44.56	43.35	200	210
AT5-29	29	46.15	44.95	200	200
AT5-30	30	47.75	46.55	200	200
AT5-31	31	49.34	48.15	200	200
AT5-32	32	50.93	49.7	200	200
AT5-33	33	52.52	51.3	200	200
AT5-34	34	54.11	52.85	200	200
AT5-35	35	55.7	54.45	200	200
AT5-36	36	57.3	56.05	200	200
AT5-38	38	60.48	59.25	200	200
AT5-40	40	63.66	62.45	200	200
AT5-42	42	66.85	65.6	200	200
AT5-44	44	70.03	68.8	200	200
AT5-45	45	71.62	70.4	200	200
AT5-46	46	73.21	72	200	200
AT5-48	48	76.39	75.15	200	200
AT5-50	50	79.58	78.35	200	200
AT5-52	52	82.76	81.55	200	200
AT5-54	54	85.94	84.7	200	200
AT5-55	55	87.54	86.3	200	200
AT5-56	56	89.13	87.9	200	200
AT5-58	58	92.31	91.1	200	200
AT5-60	60	95.49	94.25	200	200
AT5-62	62	98.68	97.45	200	200
AT5-64	64	101.86	100.65	200	200
AT5-65	65	103.45	102.25	200	200
AT5-66	66	105.04	103.82	200	200
AT5-70	70	111.41	110.2	200	200
AT5-72	72	114.59	113.35	200	200
AT5-75	75	119.37	118.15	200	200
AT5-90	90	143.24	142.02	200	200

AT10

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
AT10-14	14	44.56	42.7	200	210
AT10-15	15	47.75	45.9	200	200
AT10-16	16	50.93	49.05	200	200
AT10-17	17	54.11	52.25	200	200
AT10-18	18	57.3	55.45	200	200
AT10-19	19	60.48	58.6	200	200
AT10-20	20	63.66	61.8	200	200
AT10-21	21	66.85	65	200	200
AT10-22	22	70.03	68.15	200	200
AT10-23	23	73.21	71.35	200	200
AT10-24	24	76.39	74.55	200	200
AT10-25	25	79.58	77.7	200	200
AT10-26	26	82.76	80.9	200	200
AT10-27	27	85.94	84.1	200	200
AT10-28	28	89.13	87.25	200	200
AT10-29	29	92.31	90.47	200	200
AT10-30	30	95.49	93.65	200	200
AT10-31	31	98.68	96.8	200	200
AT10-32	32	101.86	100	200	200
AT10-33	33	105.04	103.2	200	200
AT10-34	34	108.23	106.4	200	200
AT10-35	35	111.41	109.55	200	200
AT10-36	36	114.59	112.75	200	200
AT10-37	37	117.77	115.9	200	200
AT10-38	38	120.96	119.1	200	200
AT10-40	40	127.32	125.45	200	200
AT10-41	41	130.51	128.65	200	200
AT10-42	42	133.69	131.85	200	200
AT10-44	44	140.06	138.2	200	200
AT10-45	45	143.24	141.4	200	200
AT10-46	46	146.42	144.55	200	200
AT10-48	48	152.79	150.95	200	200
AT10-50	50	159.15	157.3	200	200
AT10-51	51	162.34	160.5	200	200
AT10-52	52	165.52	163.65	200	200
AT10-54	54	171.89	170.05	200	200
AT10-55	55	175.07	173.2	200	200
AT10-56	56	178.25	176.4	200	200
AT10-57	57	181.44	179.6	200	200
AT10-58	58	184.62	182.75	200	200
AT10-59	59	187.8	185.95	200	200
AT10-60	60	190.99	189.1	200	200
AT10-62	62	197.35	195.5	200	200
AT10-70	70	222.82	220.95	200	200
AT10-75	75	238.73	236.9	200	200

AT20

Designation	Number of teeth	Dp [mm]	Do [mm]	Lv [mm]	L [mm]
AT20-18	18	114.59	111.73	200	200
AT20-19	19	120.96	118.1	200	200
AT20-20	20	127.33	124.47	200	200
AT20-21	21	133.69	130.83	200	200
AT20-22	22	140.06	137.2	200	200
AT20-23	23	146.43	143.57	200	200
AT20-24	24	152.79	149.93	200	200
AT20-25	25	159.16	156.3	200	200
AT20-26	26	165.53	162.67	200	200
AT20-28	28	178.26	175.4	200	200
AT20-30	30	190.99	188.13	200	200

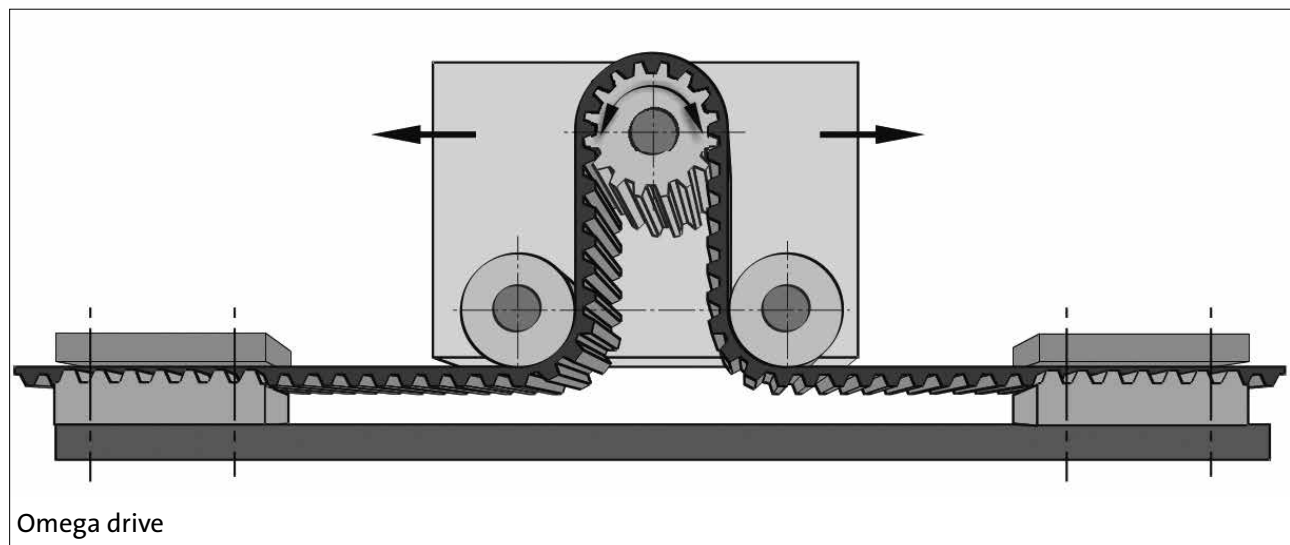
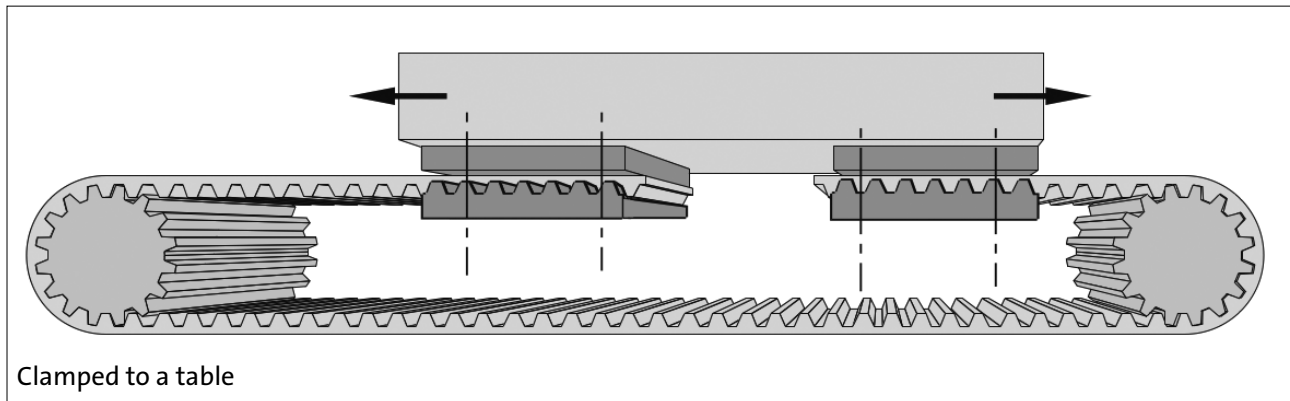
Metric AT timing bars with a AT5 or AT10 pitch made of aluminium or steel.

Metric AT timing bars with a AT20 pitch made of steel.

Timing bars made of other materials or with a different number of teeth available on request.



If a rotary movement is converted into a linear movement by means of a toothed belt, the ends of the belt must be anchored to the moving parts (1st picture) or to the fixed parts (2nd picture) of the drive unit. They must be attached very carefully to prevent the toothed belt from being damaged/weakened. For this purpose, this series of clamping/mounting plates is available to you for correct attachment of the belt.



The clamping/mounting plates are only for attaching the ends of the belt.
A preload force cannot be set with the clamping plates.
The clamping plates are made of DIN Al Mg Si 0.5 aluminium.

We will be happy to help you with individual advice and customised manufacture of clamping/mounting plates according to drawing.

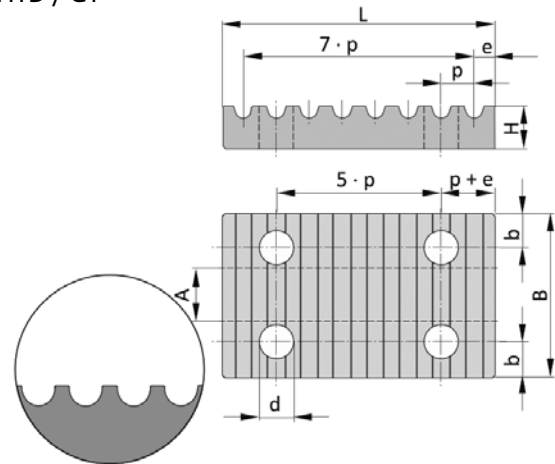


Clamping plates/mounting plates

For HTD / GT profiles

Pitch	A [mm]	B [mm]	b [mm]	d [mm]	e [mm]	L [mm]	H [mm]	Weight [kg]
5M	10	28	6	5.5	3.25	41.5	8	0.02
5M	15	34	6	5.5	3.25	41.5	8	0.025
5M	25	44	6	5.5	3.25	41.5	8	0.03
5M	-	1000	-	-	3.25	41.5	8	0.78
8M	20	45	8	9	5	66	15	0.1
8M	30	55	8	9	5	66	15	0.13
8M	50	75	8	9	5	66	15	0.17
8M	85	110	8	9	5	66	15	0.25
8M	-	1000	-	-	5	66	15	2.3
14M	40	71	10	11	9	116	22	0.41
14M	55	86	10	11	9	116	22	0.5
14M	85	116	10	11	9	116	22	0.68
14M	115	146	10	11	9	116	22	0.86
14M	170	201	10	11	9	116	22	1.19
14M	-	1000	-	-	9	116	22	6

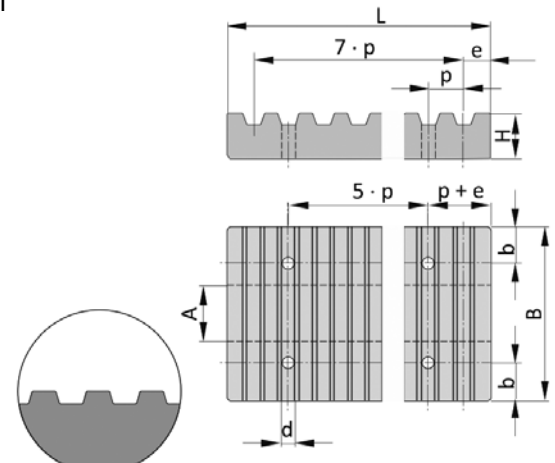
HTD / GT



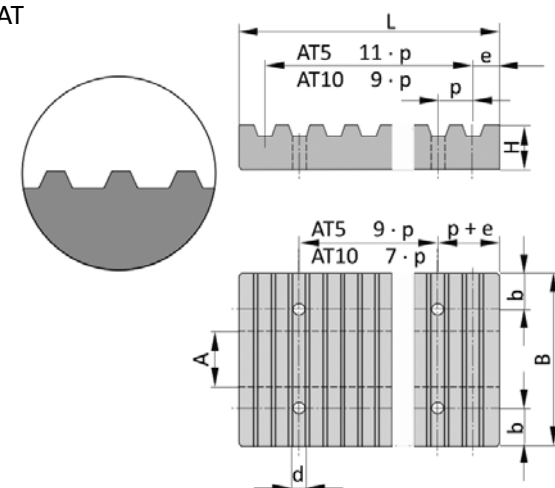
For T / AT profiles

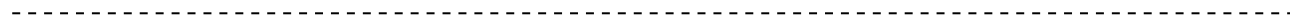
Pitch	A [mm]	B [mm]	b [mm]	d [mm]	e [mm]	L [mm]	H [mm]	Weight [kg]
T5	10	29	6	5.5	3.25	41.5	8	0.02
T5	16	35	6	5.5	3.25	41.5	8	0.03
T5	25	44	6	5.5	3.25	41.5	8	0.04
T5	-	1000	-	-	3.25	41.5	8	0.843
AT5	10	29	6	5.5	5	65	8	0.034
AT5	16	35	6	5.5	5	65	8	0.042
AT5	25	44	6	5.5	5	65	8	0.053
AT5	-	1000	-	-	5	65	8	1.154
T10	16	41	8	9	5	80	15	0.11
T10	25	50	8	9	5	80	15	0.14
T10	32	57	8	9	5	80	15	0.16
T10	50	75	8	9	5	80	15	0.215
T10	-	1000	-	-	5	80	15	2.99
AT10	16	41	8	9	10	110	15	0.154
AT10	25	50	8	9	10	110	15	0.19
AT10	32	57	8	9	10	110	15	0.218
AT10	50	75	8	9	10	110	15	0.289
AT10	-	1000	-	-	10	110	15	4

T



AT







Freedom to implement your ideas
