

Poly Chain® 14M-90

All dimensions in mm

Timing belt pulley designation	Number of teeth	Timing belt pulley type	Bush number	Max. bore holes	Diameter			A	B	E	F	K	L	M	Weight (kg)	Mass moment of inertia 10 ⁻⁴ (kgm ²)
					Pitch	Outer	Rim flange									
14M-36S-90	36	1F*	VB/50	110**	160.43	157.63	168	-	131	30	106	-	136	-	8.15	333.81
14M-38S-90	38	1F*	VB/50	115**	169.34	166.50	183	-	141	30	106	-	136	-	9.73	467.27
14M-40S-90	40	1F*	VB/50	125**	178.25	175.45	188	-	156	30	106	-	136	-	10.29	564.50
14M-44S-90	44	1F*	VB/50	140**	196.08	193.28	211	-	169	30	106	-	136	-	11.92	805.17
14M-48S-90	48	6F*	3525	100	213.90	211.11	226	171	-	-	106	20	66	20	16.76	1069.46
14M-50S-90	50	6F*	3525	100	222.82	220.02	240	180	-	-	106	20	66	20	18.38	1272.88
14M-56S-90	56	6F*	3525	100	249.55	246.76	256	207	-	-	106	20	66	20	23.46	2016.82
14M-60S-90	60	6*	3525	100	267.38	264.58	-	224	-	-	106	20	66	20	26.53	2558.85
14M-64S-90	64	6*	3525	100	285.21	282.41	-	242	-	-	106	20	66	20	30.30	3308.24
14M-72S-90	72	7*	3525	100	320.86	318.06	-	278	178	-	106	20	66	20	26.36	3633.18
14M-80S-90	80	7*	4030	115	356.51	353.71	-	314	215	-	106	15	76	15	35.61	5650.71
14M-90S-90	90	7*	4030	115	401.07	398.27	-	360	215	-	106	15	76	15	41.90	7979.09
14M-112S-90	112	8*	4535	125	499.11	469.31	-	456	215	-	106	8	90	8	70.89	23322.89
14M-140S-90	140	8*	4535	125	623.89	621.09	-	581	215	-	106	8	90	8	74.56	39744.58
14M-168S-90	168	8*	5040	130**	748.66	745.87	-	706	267	-	106	2	102	2	109.24	77064.15
14M-192S-90	192	8*	5040	130**	855.61	852.82	-	812	267	-	106	2	102	2	126.05	119340.31

Poly Chain® 14M-125

All dimensions in mm

Timing belt pulley designation	Number of teeth	Timing belt pulley type	Bush number	Max. bore holes	Diameter			A	B	E	F	K	L	M	Weight (kg)	Mass moment of inertia 10 ⁻⁴ (kgm ²)
					Pitch	Outer	Rim flange									
14M-38S-125	38	1F*	VB/50	115**	169.34	166.54	183	-	141	20	141	-	161	-	11.74	566.16
14M-40S-125	40	1F*	VB/50	125**	178.25	175.45	188	-	156	20	141	-	161	-	12.23	673.08
14M-44S-125	44	1F*	VB/50	140**	196.08	193.28	211	-	169	20	141	-	161	-	14.46	981.64
14M-48S-125	48	1F*	VB/50	160**	213.90	211.11	226	-	185	20	141	-	161	-	14.70	1239.87
14M-50S-125	50	6F*	3525	100	222.82	220.02	240	180	-	-	141	38	65	38	20.93	1527.53
14M-56S-125	56	6F*	3525	100	249.55	246.76	256	207	-	-	141	38	65	38	25.91	2366.65
14M-60S-125	60	6*	4030	115	267.38	264.58	-	224	-	-	141	32.5	76	32.5	30.92	3083.08
14M-64S-125	64	6*	4030	115	285.21	282.41	-	242	-	-	141	32.5	76	32.5	35.34	3979.74
14M-72S-125	72	7*	4030	115	320.86	318.06	-	278	215	-	141	32.5	76	32.5	37.71	5201.08
14M-80S-125	80	7*	4030	115	356.51	353.71	-	314	215	-	141	32.5	76	32.5	42.02	7133.19
14M-90S-125	90	7*	4030	115	401.07	398.27	-	360	215	-	141	32.5	76	32.5	51.29	11031.63
14M-112S-125	112	8*	4535	125	499.11	496.31	-	456	215	-	141	26	89	26	65.64	22771.41
14M-140S-125	140	8*	4535	125	623.89	621.09	-	581	215	-	141	26	89	26	67.90	38083.37
14M-168S-125	168	8*	5040	125	748.66	745.87	-	706	267	-	141	19.5	102	19.5	120.66	90872.96
14M-192S-125	192	8*	5040	125	855.61	825.82	-	812	267	-	141	19.5	102	19.5	142.39	144192.26

* Illustrations of the types of timing belt pulley can be found on page 32.

** DIN 6885 T3

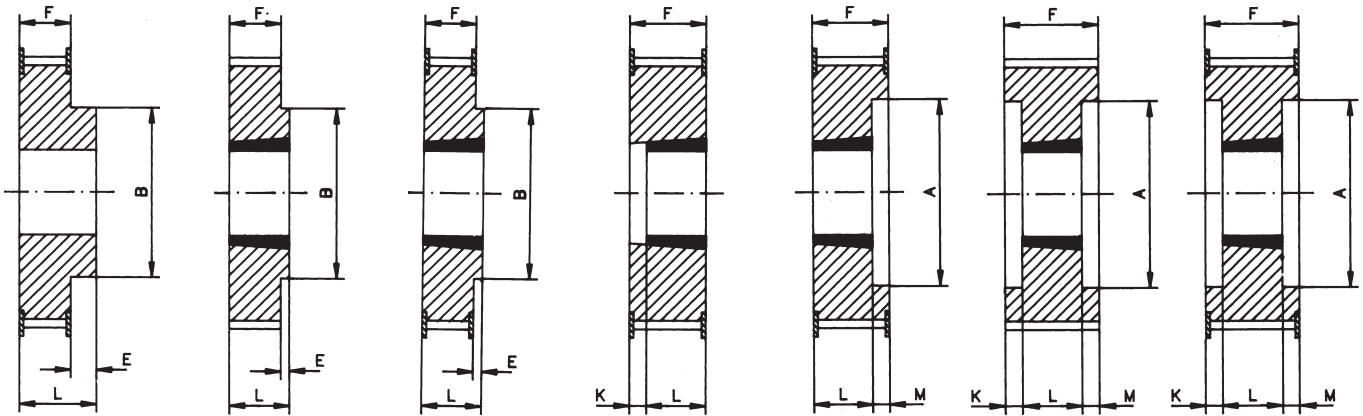
VB/40 = pre-bore (xmin. diameter 40 mm)

Comment: The timing belt pulleys are available in grey cast iron or steel. Both types provide the required durability and reliability. We reserve the right to deliver standard pulleys in either version.

In some cases, the use of standard pulleys – depending on the bore diameter and loads – can exceed the slipping torques of the Taper Lock® clamping bushes. At higher torque loads, therefore, compliance with the maximum permissible values should be ensured.

In case of peripheral speeds higher than 40 m/s, please contact our application engineers.

Models



Type 1F

Type 2

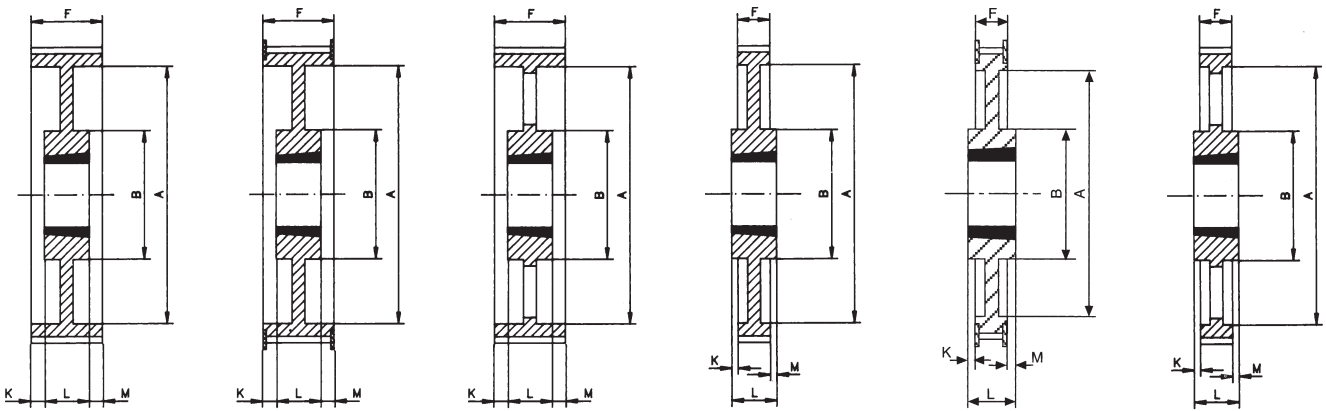
Type 2F

Type 3F

Type 5F

Type 6

Type 6F



Type 7

Type 7F

Type 8

Type 9

Type 9F

Type 10