

PULLEYS

V-belt pulleys

All our v-belt pulleys are manufactured to standard ISO 4183, DIN2211 and ANSI Narrow V Belt pulley IP-22 and the ANSI Classical V belt pulley IP-20, and are interchangeable with type SPA, SPB, SPC and SPZ.

The pulleys are made from CAST IRON G3000 (GG22) to American standard SAEJ431AVG96. The requirement of G3000 is

- 1) Tensile strength $\geq 207\text{Mpa}$,
- 2) Hardness $\geq \text{HB187-241}$,
- 3) Chemical composition C 3.1-3.4%, Si 1.9-2.3%, Mn 0.6-0.9%, S \leq 0.15%, P \leq 0.15%.

After being machined, pulleys must be phosphatized, after all pulleys must be treated with rustproof oil.

All pulleys will be statically balanced to 6.3 according to ISO-1940. Upon balanced the pulley will be suitable for the linear speed of not more than 35m/sec. Dynamic Balancing can be carried out upon request (Extra Charges), and we can issue a certificate stating that all pulleys are dynamically balanced.

Timing pulleys

Classical / Trapezoidal inch pitch timing pulleys (MXL, XL, L, H, XH, XXH) are manufactured to ISO 5294.

Metric pitch series timing pulleys (T/AT) are manufactured to standard DIN 7721.

HiTD timing pulleys are manufactured to ISO 13050-1999.

The Timing Pulleys are made up of Aluminum LY12, C45 Carbon Steel and Cast Iron HT250.

Pulley Type	Bore Type	Material	No of Teeth	
			From	To
Classical Timing Pulleys				
XL037	RSB	ALUMINIUM	10	72
L050/L075/L100	RSB	STEEL	10	35
L050/L075/L100	RSB	Cast Iron	36	96
L050/L075/L100	TB	Cast Iron	18	120
H075/H100/H150/H200/H300	RSB	STEEL	14	42
H075/H100/H150/H200/H300	RSB	Cast Iron	44	156
H075/H100/H150	TB	Cast Iron	14	120
H200	TB	Cast Iron	16	120
H300	TB	Cast Iron	18	120
XH200/XH300/XH400	RSB/TB	Cast Iron	18	60
Metric Timing Pulleys				
T2.5/T5/T10/AT5/AT10	RSB	ALUMINIUM	ALL	ALL
HiTD Timing Pulleys				
3M-09/15	RSB	ALUMINIUM	10	72
5M-09	RSB	STEEL	12	40
5M-09	RSB	ALUMINIUM	44	72
5M-15	RSB	STEEL	12	40
5M-15	RSB	ALUMINIUM	44	72
5M-15	TB	STEEL	34	48
5M-15	TB	Cast Iron	56	150
5M-25	RSB	STEEL	12	40
5M-25	RSB	ALUMINIUM	44	80
8M-20/30/50	RSB	Cast Iron	20	192
8M-20	TB	Cast Iron	22	90
8M-30	TB	Cast Iron	20	192
8M-50	TB	Cast Iron	24	192
8M-85	RSB/TB	Cast Iron	22	192
14M-40/55/85/115	TB	Cast Iron	28	216
14M-170	TB	Cast Iron	35	216