

Features

- Trapezoidal tooth profile with metric pitches
- T5 Pilot Bore
- To suit 10mm Wide Belt
- Aluminium
- Maintains precise speed ratios, reducing wear and extending belt life

RS PRO Timing Belt Pulleys

T5 Pilot Bore Pulleys – to suit 10mm Wide Belt



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

These RS PRO T Series pulleys use a trapezoidal tooth profile with metric pitches such as T2.5, T5. Designed for synchronous belt drives, ensuring accurate power transmission and minimal slippage. Timing belt pulleys with trapezoidal tooth profiles are precision-engineered components designed for synchronous power transmission. They work in conjunction with timing belts to ensure accurate speed ratios, positive engagement, and zero slippage between the driving and driven shafts. These pulleys are widely used in industrial and automation systems where timing accuracy and reliability are critical.

Features

- High efficiency and low noise operation.
- Capable of transmitting high torque over long distances.
- Maintains precise speed ratios, reducing wear and extending belt life.
- Metric timing pulleys are designed to be used with metric timing belts in synchronous belt drives.
- Tooth profiles interchangeable with ISO/DIN standards.

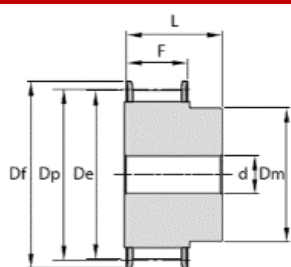
Applications

- Industrial machinery - Used in conveyors, packaging machines, and compressors for accurate motion control. Ideal for automation systems requiring synchronous movement.
- Robotics & CNC Equipment.
- Printing & Textile Machines - ensures smooth, synchronized operation for processes requiring exact timing.
- Power Transmission in Heavy-Duty Systems - Suitable for high-torque applications like crushers and agricultural equipment when combined with keyways or taper lock bushings.

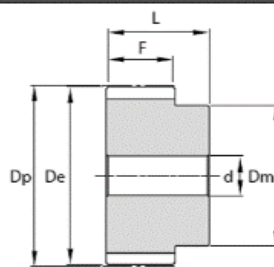
Specifications

Series	T5 Pilot Bore Pulleys – to suit 10mm Wide Belt
Number of Teeth	Please see below table for details
Pitch	5mm
To suit belt width	10mm
Belt Pulley Type	Timing Belt Pulleys
Bore type	Pilot Bore
Bore	Please see below table for details (d)
Overall Diameter	Please see below table for details (Df)
Number Of Grooves	Not applicable
Materials	Aluminium
Flanges	Zinc Plated Steel

Pilot Bore



TYPE 1F



TYPE 2



Key to Standard Diagram

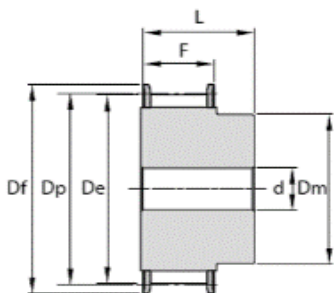
De	External diameter of teeth
Dp	Pitch diameter
Df	Flange diameter
Dm	Hub diameter
F	Width over flanges
L	Overall width (or length through bore)
d	Bore diameter

*Dimensions below in mm

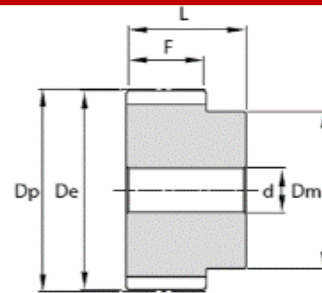
Bore (d) H8 Limits
Dimensional Tolerances +/- 1mm

RS Article	MPN	Type	Number of Teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max Bore	No. Flanges
744946	21T5/10-2	1F	10	15.05	15.92	19.5	8	15	21	-	6	2
744952	21T5/12-2	1F	12	18.25	19.10	23	11	15	21	-	6	2
744968	21T5/14-2	1F	14	21.45	22.28	25	13	15	21	-	8	2
744974	21T5/15-2	1F	15	23.05	23.87	28	16	15	21	6	10	2
2865641	21T5/16-2	1F	16	24.60	25.46	32	18	15	21	6	12	2
744980	21T5/18-2	1F	18	27.80	28.65	32	20	15	21	6	16	2
2865657	21T5/19-2	1F	19	29.40	30.24	36	22	15	21	6	16	2
2865663	21T5/20-2	1F	20	31.00	31.83	36	23	15	21	6	18	2
2865679	21T5/24-2	1F	24	37.40	38.02	42	26	15	21	6	24	2
2865685	21T5/25-2	1F	25	38.95	39.79	44	26	15	21	6	25	2
744996	21T5/27-2	1F	27	42.20	42.97	48	30	15	21	8	27	2
2865691	21T5/30-2	1F	30	46.95	47.75	51	34	15	21	8	33	2
745652	21T5/32-2	1F	32	50.1	50.93	54	38	15	21	8	37	2
2865708	21T5/36-2	1F	36	56.45	57.30	64	38	15	21	8	42	2
745668	21T5/40-2	1F	40	62.85	63.66	66.5	40	15	21	8	47	2

Pilot Bore



TYPE 1F



TYPE 2



Key to Standard Diagram

De	External diameter of teeth
Dp	Pitch diameter
Df	Flange diameter
Dm	Hub diameter
F	Width over flanges
L	Overall width (or length through bore)
d	Bore diameter

*Dimensions below in mm

Bore (d) H8 Limits
Dimensional Tolerances +/- 1mm

RS Article	MPN	Type	Number of Teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max Bore	No. Flanges
2865714	21T5/48-0	2	48	75.55	76.39	-	50	15	21	8	60	0
2865720	21T5/60-0	2	60	94.65	95.49	-	65	15	21	8	76	0