Features

- Trapezoidal tooth profile with metric pitches
- 3M HTD Pilot Bore
- To suit 15mm Wide Belt
- Aluminium
- Maintains precise speed ratios, reducing wear and extending belt life

RS PRO Timing Belt Pulleys

3M HTD Pilot Bore Pulleys – to suit 15mm 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

RS PRO 3M HTD Pilot Bore Pulleys are precision-engineered for synchronous belt drives, utilizing a 3 mm HTD tooth profile optimized for high-torque, low-noise operation. They provide accurate timing, zero slippage, and excellent power transmission—ideal for industrial automation, CNC, and heavy-duty applications.

Features

- High efficiency and low noise High load capacity with improved tooth contact and torque transmission.
- Quiet, efficient operation with reduced vibration.
- Metric 3 mm tooth pitch, perfectly matched to 15 mm HTD belts.
- Pilot bore design allows custom machining to fit specific shaft dimensions.
- Tooth profiles interchangeable with ISO/DIN standards.

Applications

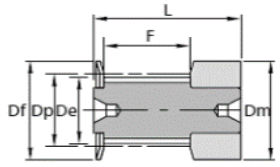
- Industrial machinery – conveyors, packaging, compressors.
- Robotics & CNC equipment – precision synchronization.
- Printers & textile machines – reliable, low-backlash motion.
- Heavy-duty drives – in conjunction with keyways or bushes, suitable for high-torque use.

Specifications

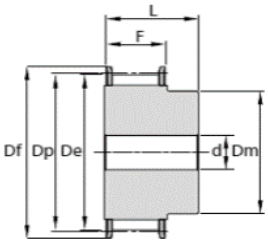
Series	3M HTD Pilot Bore Pulleys – to suit 15mm Wide belt
Number of Teeth	Please see below table for details
Pitch	3mm
To suit belt width	15mm
Belt Pulley Type	Timing Belt Pulleys
Bore type	Pilot Bore
Bore	Please see below table for details (d)
Overall Diameter	Please see below table for details (Df)
Number Of Grooves	Not applicable
Materials	Aluminium
Flanges	Zinc Plated Steel

Specifications

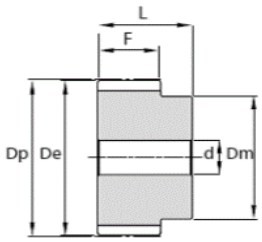
Pilot Bore



TYPE 0F



TYPE 1F



TYPE 8

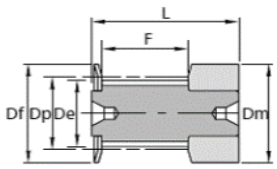


Key to Standard Diagram	
De	External diameter of teeth
Dp	Pitch diameter
Df	Flange diameter
Dm	Hub diameter
F	Width over flanges
L	Overall width (or length through bore)
d	Bore diameter

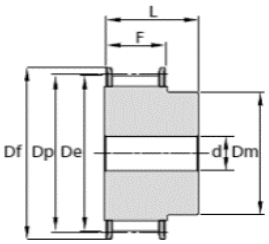
*Dimensions below in mm

RS Article	MPN	Number of Teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. Flanges
1465398	HP10-3M-15F	10	OF	9.55	8.79	13	13	17	26	-	2
1465399	HP12-3M-15F	12	OF	11.46	10.70	15	15	17	26	-	2
1465400	HP14-3M-15F	14	OF	13.37	12.61	16	16	17	26	-	2
1465401	HP15-3M-15F	15	OF	14.32	13.56	17.5	17.5	17	26	-	2

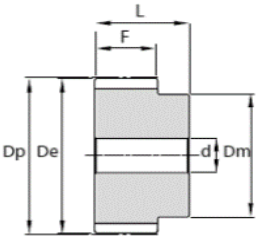
Pilot Bore



TYPE 0F



TYPE 1F



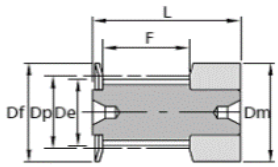
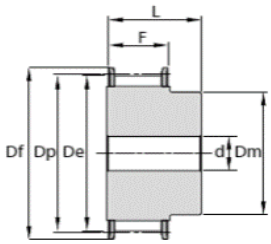
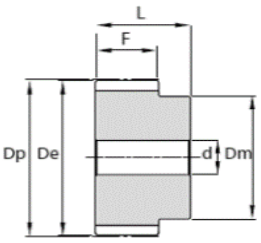
TYPE 8



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

RS Article	MPN	Number of Teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. Flanges
1465402	HP16-3M-15F	16	1F	15.28	14.52	17.5	10	19.5	26	4	2
1465403	HP18-3M-15F	18	1F	17.19	16.43	20	11	19.5	26	6	2
1465404	HP20-3M-15F	20	1F	19.10	18.34	23	13	19.5	26	6	2
1465405	HP21-3M-15F	21	1F	20.05	19.29	25	14	19.5	26	6	2
1465406	HP22-3M-15F	22	1F	21.01	20.25	25	14	19.5	26	6	2
1465407	HP24-3M-15F	24	1F	22.92	22.16	25	14	19.5	26	6	2
1465408	HP26-3M-15F	26	1F	24.83	24.07	28	16	19.5	26	6	2
1465409	HP28-3M-15F	28	1F	26.74	25.98	32	18	19.5	26	6	2
1465410	HP30-3M-15F	30	1F	28.65	27.89	32	20	19.5	26	6	2
1465411	HP32-3M-15F	32	1F	30.56	29.80	36	22	19.5	26	6	2
1465412	HP36-3M-15F	36	1F	34.38	33.62	39	26	20	30	6	2
1465413	HP40-3M-15F	40	1F	38.20	37.44	42	28	20	30	6	2
1465414	HP44-3M-15F	44	1F	42.02	41.26	48	33	20	30	6	2

Pilot Bore		
		
TYPE 0F	TYPE 1F	TYPE 8
		

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

RS Article	MPN	Number of Teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. Flanges
1465415	HP48-3M-15	48	8	45.84	45.08	-	33	20	30	8	-
1465416	HP72-3M-15	72	8	68.75	67.99	-	33	20	30	8	-