Features

- Trapezoidal tooth profile with metric pitches
- 8M HTD Pilot Bore
- To suit 20mm Wide Belt
- Steel
- Maintains precise speed ratios, reducing wear and extending belt life

RS PRO Timing Belt Pulleys

8M HTD Pilot Bore Pulleys – to suit 20mm 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 8M HTD Pilot Bore Pulleys are precision-engineered for synchronous belt drives, utilizing a 8 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 Medium to 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 8 mm tooth pitch, perfectly matched to 20 mm HTD belts.
- Pilot bore design allows custom machining to fit specific shaft dimensions.
- Tooth profiles interchangeable with ISO/DIN standards.

Applications

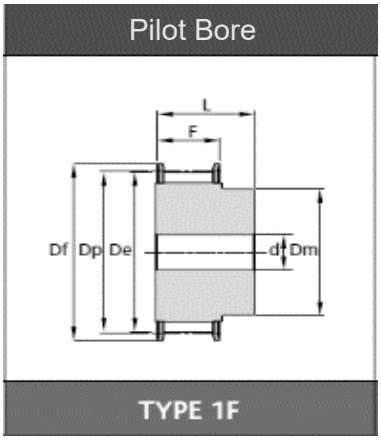
- Industrial machinery – conveyors, packaging, compressors.
- Robotics & CNC equipment – precision synchronization.
- Printers & textile machines – reliable, low-backlash motion.
- Medium to Heavy-duty drives – in conjunction with keyways or bushes, suitable for high-torque use.

Specifications

Series	8M HTD Pilot Bore Pulleys – to suit 20mm Wide belt
Number of Teeth	Please see below table for details
Pitch	8mm
To suit belt width	20mm
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	Steel
Flanges	Please see below table for details

Specifications

Pilot Bore



TYPE 1F

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
Material	Steel



*Dimensions below in mm

RS Article	MPN	Number of Teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. Flanges
184808	HP22-8M-20F	22	1F	56.02	54.65	60	43	28	38	12	2
183928	HP24-8M-20F	24	1F	61.12	59.75	66	45	28	38	12	2
184814	HP26-8M-20F	26	1F	66.21	64.85	70	48	28	38	12	2
183934	HP28-8M-20F	28	1F	71.30	70.08	75	50	28	38	15	2
183625	HP30-8M-20F	30	1F	76.39	75.13	82.5	55	28	38	15	2
1465417	HP32-8M-20F	32	1F	81.49	80.16	87	60	28	38	15	2
1465418	HP34-8M-20F	34	1F	86.58	85.22	91	66	28	38	15	2
1465419	HP36-8M-20F	36	1F	91.67	90.30	97	70	28	38	15	2