



TIMING BELT PULLEYS AND SPROCKETS



Performance Advantages

Maurey Timing Belt Drives provide a reliable, economical and trouble-free alternative to transmit power and reduce drive weight and cost when compared to chain drives and other types of belt drives.

Wide Range of Load Capacities

Maurey Timing Belt Drives are designed for high capacity performance exceeding the traditional limitations of chain and belt drives. The load capacity varies from fractional horsepower to more than 600 H.P.

Alterations

Maurey will customize your Timing Belt component needs to suit the application in which it is used. See list price book or consult factory for various alteration charges.

- Rebore Minimum Plain Bore
- Add Keyway
- Add Set Screw

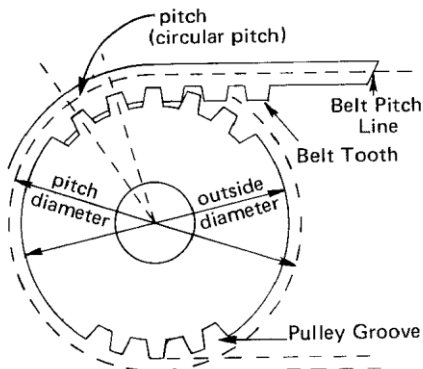
Contact Maurey Customer Service for quantity breaks for alterations.

Space Saving Design

When compared to other belt systems, Maurey Timing Belt Drives permit a narrower drive, reducing the cost of the drive by cutting component costs.

POSITIVE DRIVE PULLEYS

Maurey Positive Drive Pulleys are made in five stock pitches to conform with the five stock pitches of belts. They are available in a wide range of stock widths and diameters. On the belt, pitch is the distance between the tooth centers on the pitch line of the belt. On the pulley, pitch is the distance between groove centers and is measured on the pulley pitch circle.



HIGH TORQUE DRIVE SPROCKETS

Available For Belts 8mm and 14mm in Pitch

Engineered for Durability

High Torque Sprocket Drives are designed to minimize interference between the belt and sprocket during mesh, providing greater horsepower without slippage or speed variation. By designing belt teeth to disperse critical stresses, belt performance is improved, assuring longer belt life.

Part Number Description

P 26 8M 20 JA

- Requires JA Bushing
- Width
- Pitch
- Number of Teeth



8M stock sprocket dimensions high torque drives

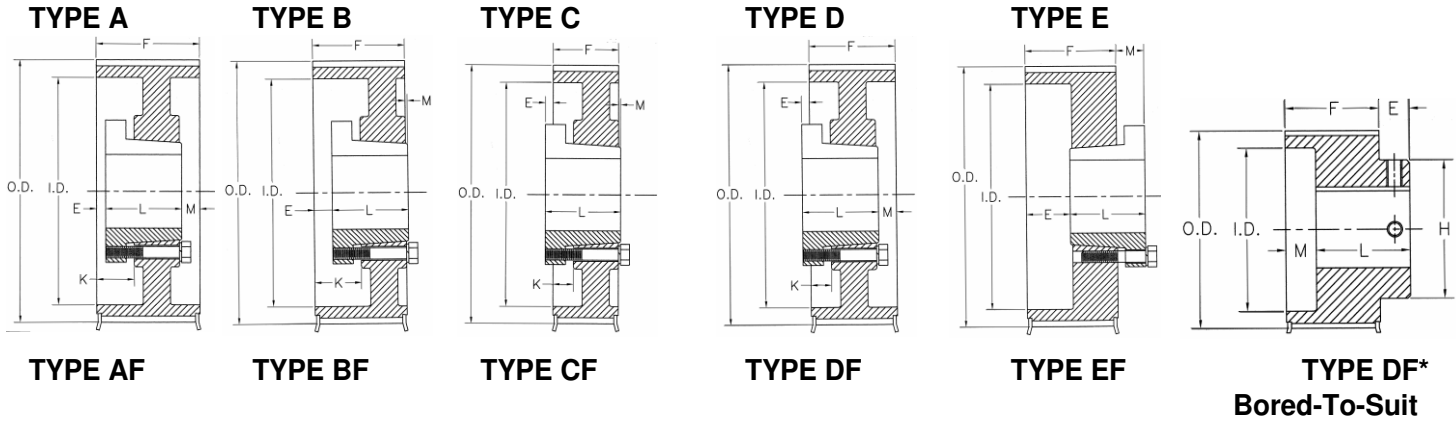


Figure Following Letter in Column Headed "TYPE" in Table Below Indicates Sheave Construction
1 - Solid, No Web. 2 - Web. 3 - Arms "F" Indicates Flanged Pulley

FOR BELTS 20MM (.79 in.) WIDE • 8MM PITCH (8M-20) FACE WIDTH (F) = 1-1/8												
SPROCKET NUMBER	NUMBER OF TEETH	DIAMETERS			TYPE	DIMENSIONS(INCHES)				BORE RANGE		APPROX WT. LBS.
		P.D	O.D.			I.D.	E	K	L	M	MIN	
			Sprocket	Flange								
P22-8M-20-MPB	22	2.206	2.152	2.56	D1F*	5/8	1-5/8	1-3/4	0	1/2*	1-3/16	1.1
P24-8M-20-JA	24	2.406	2.352	2.76	E1F	9/16	0	1	7/16	1/2	1-1/4	1.0
P26-8M-20JA	26	2.607	2.553	2.95	E1F	9/16	0	1	7/16	1/2	1-1/4	1.2
P28-8M-20-HQ	28	2.807	2.759	3.15	E1F	1/4	0	1-1/4	3/8	1/2	1-1/2	1.6
P30-8M-20-HQ	30	3.008	2.958	3.35	E1F	1/4	0	1-1/4	3/8	1/2	1-1/2	1.9
P32-8M-20-HQ	32	3.208	3.156	3.54	E1F	0	1/4	1-1/4	1/8	1/2	1-1/2	2.0
P34-8M-20-SH	34	3.409	3.355	3.82	D1F	3/16	5/16	1-1/4	1/16	1/2	1-11/16	2.0
P36-8M-20-SH	36	3.609	3.555	3.94	D1F	3/16	5/16	1-1/4	1/16	1/2	1-11/16	2.2
P38-8M-20-SH	38	3.810	3.756	4.13	D1F	3/16	5/16	1-1/4	1/16	1/2	1-11/16	2.5
P40-8M-20-SH	40	4.010	3.956	4.33	D1F	3/16	5/16	1-1/4	1/16	1/2	1-11/16	2.8
P44-8M-20-SDS	44	4.411	4.357	4.76	C1F	3/16	3/8	1-5/16	0	1/2	2	3.4
P48-8M-20-SDS	48	4.812	4.758	5.16	C1F	3/16	3/8	1-5/16	0	1/2	2	4.0
P56-8M-20-SDS	56	5.614	5.560	5.95	C1F	3/16	3/8	1-5/16	0	1/2	2	5.3
P64-8M-20-SDS	64	6.416	6.632	6.77	C1F	3/16	3/8	1-5/16	0	1/2	2	6.9
P72-8M-20-SDS	72	7.218	7.164	7.60	C2F	3/16	3/8	1-5/16	0	1/2	2	6.7
P80-8M-20-SDS	80	8.020	7.966	8.39	C2F	3/16	3/8	1-5/16	0	1/2	2	7.5
P90-8M-20-SDS	90	9.023	8.969	7.90	C3	3/16	3/8	1-5/16	0	1/2	2	8.0

FOR BELTS 30MM (1.18 in.) WIDE • 8MM PITCH (8M-30) FACE WIDTH (F) = 1-1/2												
SPROCKET NUMBER	NUMBER OF TEETH	DIAMETERS			TYPE	DIMENSIONS(INCHES)				BORE RANGE		APPROX WT. LBS.
		P.D	O.D.			I.D.	E	K	L	M	MIN	
			Sprocket	Flange								
P22-8M-30-MPB	22	2.206	2.152	2.56	D1F*	5/8	1-5/8	2-1/8	0	*1/2	1-3/16	1.5
P24-8M-30-MPB	24	2.406	2.352	2.76	D1F*	5/8	1-13/16	2-1/8	0	*1/2	1-1/4	1.9
P26-8M-30-MPB	26	2.607	2.553	2.95	D1F*	3/4	2	2-1/4	0	*1/2	1-1/4	2.4
P28-8M-30-HQ	28	2.807	2.759	3.15	E1F	5/8	0	1-1/4	3/8	1/2	1-1/2	1.8
P30-8M-30-HQ	30	3.008	2.958	3.35	E1F	5/8	0	1-1/4	3/8	1/2	1-1/2	2.2
P32-8M-30-HQ	32	3.208	3.156	3.54	B1F	0	5/8	1-1/4	1/4	1/2	1-1/2	2.0
P34-8M-30-SH	34	3.409	3.355	3.82	A1F	3/16	11/16	1-1/4	1/16	1/2	1-11/16	2.3
P36-8M-30-SH	36	3.609	3.555	3.94	A1F	3/16	11/16	1-1/4	1/16	1/2	1-11/16	2.7
P38-8M-30-SH	38	3.810	3.756	4.13	A1F	3/16	11/16	1-1/4	1/16	1/2	1-11/16	3.0
P40-8M-30-SH	40	4.010	3.956	4.33	A1F	3/16	11/16	1-1/4	1/16	1/2	1-11/16	3.3
P44-8M-30-SDS	44	4.411	4.357	4.76	B1F	3/16	3/4	1-5/16	0	1/2	2	3.8
P48-8M-30-SDS	48	4.812	4.758	5.16	B1F	3/16	3/4	1-5/16	0	1/2	2	4.5
P56-8M-30-SDS	56	5.614	5.560	5.95	B1F	3/16	3/4	1-5/16	0	1/2	2	5.9
P64-8M-30-SK	64	6.416	6.362	6.77	C1F	3/8	1/4	1-7/8	0	1/2	2-5/8	10.4
P72-8M-30-SK	72	7.218	7.164	7.60	C2F	3/8	1/4	1-7/8	0	1/2	2-5/8	10.0
P80-8M-30-SK	80	8.020	7.966	8.39	C2F	3/8	1/4	1-7/8	0	1/2	2-5/8	11.8
P90-8M-30-SK	90	9.023	8.969	7.90	C2	3/8	1/4	1-7/8	0	1/2	2-5/8	13.5
P112-8M-30-SK	112	11.229	11.175	10.00	C3	3/8	1/4	1-7/8	0	1/2	2-5/8	15.2

Weights for all FUL-GRIP bushed items are approximate and include the bushing.
FUL-GRIP is a registered trademark of Maurey Manufacturing Corporation

* Minimum plain bore with no keyway or setscrews
● Maximum Bore without Keyway



8M stock sprocket dimensions high torque drives

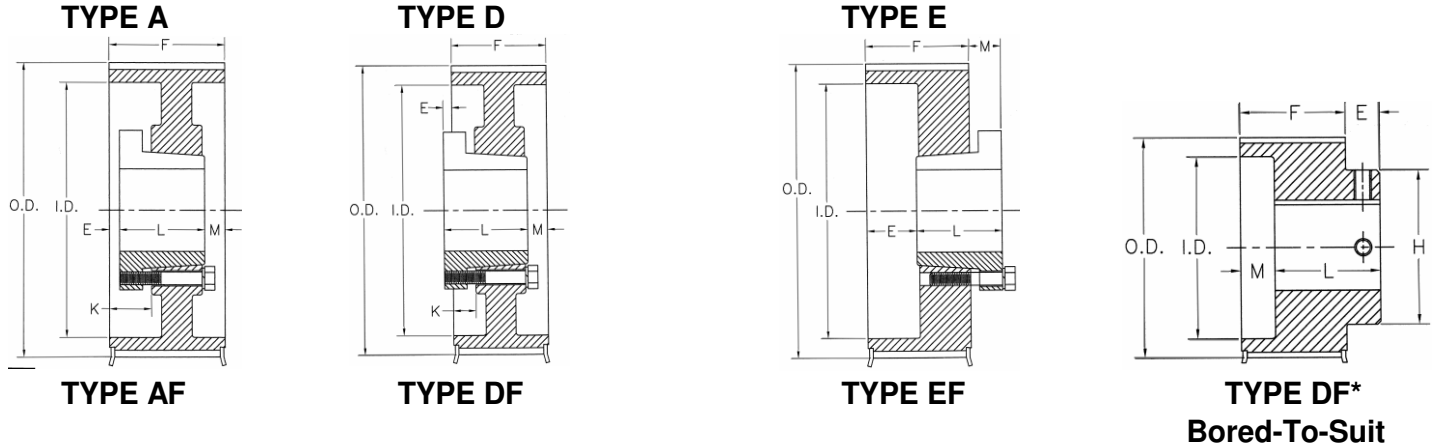


Figure Following Letter in Column Headed "TYPE" in Table Below Indicates Sheave Construction
1 - Solid, No Web. 2 - Web. 3 - Arms "F" Indicates Flanged Pulley

FOR BELTS 50MM (1.97 in.) WIDE • 8MM PITCH (8M-50) FACE WIDTH (F) = 2-3/8													
SPROCKET NUMBER	NUMBER OF TEETH	DIAMETERS				TYPE	DIMENSIONS(INCHES)				BORE RANGE		APPROX WT. LBS.
		P.D	O.D.		I.D.		E	K	L	M	MIN	MAX	
			Sprocket	Flange									
P28-8M-50-MPB	28	2.807	2.759	3.15		D1F	3/4	2-9/32	3-1/8	0	*1/2	1-3/8	4.2
P30-8M-50-MPB	30	3.008	2.958	3.35		D1F	3/4	2-15/32	3-1/8	0	*1/2	1-3/8	4.9
P32-8M-50--HQ	32	3.208	3.156	3.54	2.56	E1F	0	5/8	1-1/4	1/4	1/2	1-1/2	2.5
P34-8M-50-SH	34	3.409	3.355	3.82	2.75	A1F	0	1/2	1-1/4	1-1/8	1/2	1-11/16	2.7
P36-8M-50-SH	36	3.609	3.555	3.94	2.82	A1F	0	1/2	1-1/4	1-1/8	1/2	1-11/16	3.4
P38-8M-50-SH	38	3.810	3.756	4.13	3.00	A1F	0	1/2	1-1/4	1-1/8	1/2	1-11/16	3.7
P40-8M-50-SH	40	4.010	3.956	4.33	3.00	D1F	0	1/2	1-1/4	1-1/8	1/2	1-11/16	4.2
P44-8M-50-SD	44	4.411	4.357	4.76	3.50	A1F	0	9/16	1-13/16	9/16	1/2	2	5.7
P48-8M-50-SD	48	4.812	4.758	5.16	3.80	A1F	0	9/16	1-13/16	9/16	1/2	2	6.9
P56-8M-50-SK	56	5.614	5.560	5.95	4.60	D1F	1/16	9/16	1-7/8	9/16	1/2	2-5/8	9.4
P64-8M-50-SK	64	6.416	6.362	6.77	5.40	D1F	1/16	9/16	1-7/8	9/16	1/2	2-5/8	12.0
P72-8M-50-SK	72	7.218	7.164	7.60	6.20	D1F	1/16	9/16	1-7/8	9/16	1/2	2-5/8	15.0
P80-8M-50-SF	80	8.020	7.966	8.39	6.90	D2F	1/16	9/16	2	7/16	1/2	2-15/16	17.0
P90-8M-50-SF	90	9.023	8.969		7.90	D2	1/16	9/16	2	7/16	1/2	2-15/16	19.1
P112-8M-50-SF	112	11.229	11.175		10.00	D3	1/16	9/16	2	7/16	1/2	2-15/16	23.9
P144-8M-50-E	144	14.437	14.383		13.20	D3	1/2	3/8	2-5/8	1/4	7/8	3-1/2	38.1
P192-8M-50-E	192	19.249	19.195		18.00	D3	1/2	3/8	2-5/8	1/4	7/8	3-1/2	52.5

FOR BELTS 85MM (3.35 in.) WIDE • 8MM PITCH (8M-85) FACE WIDTH (F) = 3-3/4													
SPROCKET NUMBER	NUMBER OF TEETH	DIAMETERS				TYPE	DIMENSIONS(INCHES)				BORE RANGE		APPROX WT. LBS.
		P.D	O.D.		I.D.		E	K	L	M	MIN	MAX	
			Sprocket	Flange									
P34-8M-85-SH	34	3.409	3.355	3.82	2.75	A1F	1	1-1/2	1-1/4	1-1/2	1/2	1-11/16	3.5
P36-8M-85-SH	36	3.609	3.555	3.94	2.82	A1F	1	1-1/2	1-1/4	1-1/2	1/2	1-11/16	4.4
P38-8M-85-SH	38	3.810	3.756	4.13	3.00	A1F	1	1-1/2	1-1/4	1-1/2	1/2	1-11/16	4.9
P40-8M-85-SD	40	4.010	3.956	4.33	3.25	A1F	11/16	1-1/4	1-13/16	1-1/4	1/2	2	5.6
P44-8M-85-SD	44	4.411	4.357	4.76	3.50	A1F	11/16	1-1/4	1-13/16	1-1/4	1/2	2	7.1
P48-8M-85-SD	48	4.812	4.758	5.16	3.80	A1F	11/16	1-1/4	1-13/16	1-1/4	1/2	2	8.7
P56-8M-85-SK	56	5.614	5.560	5.95	4.60	A1F	5/8	1-1/4	1-7/8	1-1/4	1/2	2-5/8	11.6
P64-8M-85-SF	64	6.416	6.362	6.77	5.40	A1F	5/8	1-1/4	1-7/8	1-1/4	1/2	2-5/8	14.6
P72-8M-85-E	72	7.218	7.164	7.60	6.19	A1F	5/32	1-1/16	2-5/8	31/32	7/8	3-1/2	24.0
P80-8M-85-E	80	8.020	7.966	8.39	6.90	A2F	5/8	1-1/4	2	1-1/8	1/2	2-15/16	29.1
P90-8M-85-SF	90	9.023	8.969		7.90	A2	5/8	1-1/4	2	1-1/8	1/2	2-15/16	35.5
P112-8M-85-F	112	11.229	11.175		10.00	A3	5/8	1-1/4	2	1-1/8	1/2	2-15/16	70.5
P144-8M-85-F	144	14.437	14.383		13.20	A3	3/16	1-1/16	2-5/8	15/16	7/8	3-1/2	64.5
P192-8M-85-F	192	19.249	19.195		18.00	A3	3/16	1-1/16	2-5/8	15/16	7/8	3-1/2	78.1

Weights for all FUL-GRIP bushed items are approximate and include the bushing.
FUL-GRIP is a registered trademark of Maurey Manufacturing Corporation

* Min. plain bore with no keyway or setscrews
● Maximum Bore without Keyway