



Drive Rollers with Slip Drive or Direct Drive Series 3800

Bearing

Balls: Commercial grade

Tube

Diameters (inch) 1.90, 2.50.

Aluminum, stainless steel and galvanized steel tubes are available in the 1.90" diameter drive rollers, only galvanized steel is available in the 2.50" diameter.

Shaft

Diameter: .500

Application

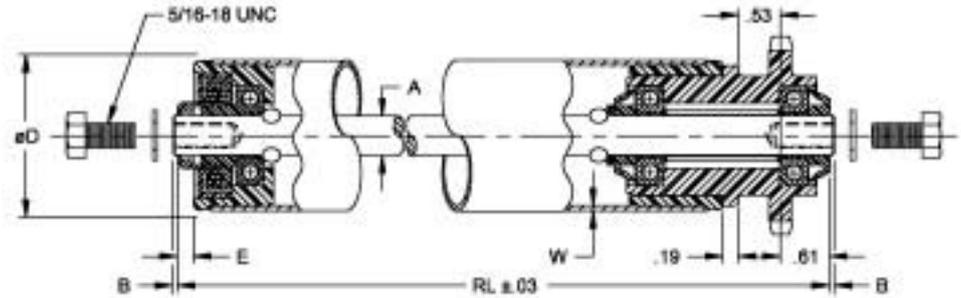
The Series 3800 has been designed to provide a simple and economical means of building powered conveyor systems with accumulation capability. Loads can be stopped and released at any point without stopping the chain drive. The slip drive relies on friction between two coaxial members. The inner member rotates continuously as it is chain driven. The outer member, the conveyor roller, is in sliding contact with the inner member through a bushing. Transmitted torque between the inner and outer member is proportional to both load and speed.

This series is recommended for speeds up to 60 fpm where continuous slippage is a requirement. For intermittent slippage applications speeds up to 90 fpm are possible.

For applications where accumulation is not required Series 3800 rollers may also be supplied for direct drive. This is accomplished using mating keys and keyways in the contact area of the inner roller and outer members. For both direct and slip drive, these rollers are available with single and double sprockets. Single sprockets are used with tangential chain drive, double sprockets are used where chains connect one roller to the next.



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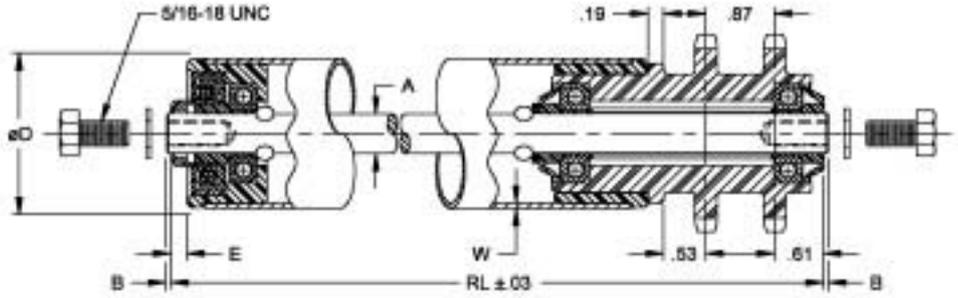


	Part Number	D	W	A	B	Material	Finish	Type	Remarks	
Bearing	3.801._____-	1.90	.065	.500 dia		Nylon Housing	Black	Slip Drive	1 - #40-9 Nylon Spkt	
	3.802._____-	1.90	.065	.500 dia		Nylon Housing	Black	Slip Drive	1 - #40-14 Nylon Spkt	
	3.803._____-	1.90	.065	.500 dia		Nylon Housing	Black	Slip Drive	2 - #40-14 Nylon Spkts	
	3.804._____-	2.50	.065	.500 dia		Nylon Housing	Black	Slip Drive	1 - #40-9 Nylon Spkt	
	3.805._____-	2.50	.065	.500 dia		Nylon Housing	Black	Slip Drive	1 - #40-14 Nylon Spkt	
	3.806._____-	2.50	.065	.500 dia		Nylon Housing	Black	Slip Drive	2 - #40-14 Nylon Spkts	
	3.811._____-	1.90	.065	.500 dia		Nylon Housing	Black	Direct Drive	1 - #40-9 Nylon Spkt	
	3.812._____-	1.90	.065	.500 dia		Nylon Housing	Black	Direct Drive	1 - #40-14 Nylon Spkt	
	3.813._____-	1.90	.065	.500 dia		Nylon Housing	Black	Direct Drive	2 - #40-14 Nylon Spkts	
	3.814._____-	2.50	.065	.500 dia		Nylon Housing	Black	Direct Drive	1 - #40-9 Nylon Spkt	
	3.815._____-	2.50	.065	.500 dia		Nylon Housing	Black	Direct Drive	1 - #40-14 Nylon Spkt	
	3.816._____-	2.50	.065	.500 dia		Nylon Housing	Black	Direct Drive	2 - #40-14 Nylon Spkts	
	Tube	_____.A01.____-	1.90	.065			Aluminum	None	For 1 Sprocket	
		_____.A02.____-	1.90	.065			Aluminum	None	For 2 Sprockets	
		_____.G01.____-	1.90	.065			Steel	Galvanized	For 1 Sprocket	
		_____.G02.____-	1.90	.065			Steel	Galvanized	For 2 Sprockets	
_____.J63.____-		1.90	.065			Steel	None	For 2 Sprockets	Soft PVC sleeve	
_____.S01.____-		1.90	.065			Stainless	320 Grit	For 1 Sprocket		
_____.S02.____-		1.90	.065			Stainless	320 Grit	For 2 Sprockets		
_____.G03.____-		2.50	.065			Steel	Galvanized	For 1 Sprocket		
_____.G04.____-		2.50	.065			Steel	Galvanized	For 2 Sprockets		
Shaft	_____.T20-			.500 dia.	.06	Steel	None	Double	Tapped 5/16-18 x 5/8 deep	
	_____.M92-			.500 dia.	.06	Steel	None	Single	Tapped 5/16-18 x 5/8 deep	

Note: Plastic Journal Bearing Used With 9 Tooth Sprocket.
 Commercial Ball Bearing Used With 14 Tooth Sprocket.



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 with Slip
 or Direct Drive
 Series 3800**



(Typical RL = BF - .12)

	Tube Dia. In.	1.9	1.9	1.9	2.5	2.5	2.5
	Material	Steel	Steel	Steel	Steel	Steel	Steel
	Gauge	16	16	16	16	16	16
	Shaft Dia.	0.5	0.5	0.5	0.5	0.5	0.5
	Sprocket	1-#40-9	1-#40-14	2-#40-14	1-#40-9	1-#40-14	2-#40-14
	RL Inches						
Series 3800 slip drive sprocket driven roller load capacity in lbs.	8	45	110	110	45	110	110
	16	45	110	110	45	110	110
	24	45	110	110	45	110	110
	28	45	110	110	45	110	110
	32	45	110	110	45	110	110
	36	45	110	110	45	110	110
	40	45	110	110	45	110	110
	44	45	110	110	45	110	110
	52	45	100	100	45	100	100
	62	45	65	65	45	65	65

To order, use the following reference to form your ten-digit part number:
 3.801.A01.T20-14.88"RL
 Bearing Part No. _____
 Tube Part No. _____
 Shaft Part No. _____
 15" between frame _____



MEX (55) 53 63 23 31 MTY (81) 83 54 10 18
 QRO (442) 1 95 72 60 ventas@industrialmagza.com

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	Tube Dia. In.	1.9 Steel	1.9 Steel	1.9 Steel	2.5 Steel	2.5 Steel	2.5 Steel
	Material	16	16	16	16	16	16
	Gauge	0.5	0.5	0.5	0.5	0.5	0.5
	Shaft Dia.	1-#40-9	1-#40-14	2-#40-14	1-#40-9	1-#40-14	2-#40-14
	Sprocket						
	RL Inches						
Series 3800 direct drive sprocket driven roller load capacity in lbs.	8	67.5	126	126	67.5	126	126
	16	68	126	126	68	126	126
	20	68	126	126	68	126	126
	24	68	126	126	68	126	126
	28	68	126	126	68	126	126
	32	68	126	126	68	126	126
	36	68	126	126	68	126	126
	40	68	126	126	68	126	126
	44	68	126	126	68	126	126
	52	65	104	104	68	126	126
	60	56	65	65	68	126	

Minimum Roller Lengths for Non-Grooved Rollers

	Diameter	Fixed
Series 3800 slip drive/ direct drive rollers	1.90" Single Sprocket	4.63"
	1.90" Double Sprocket	5.50"
	2.50" Single Sprocket	4.63"
	2.50" Double Sprocket	5.50"

Sleeve Materials (all dimensions in inches)

Material	Description
Soft PVC	Hardness 63 shore A, thickness .08, Gray

Speed Ratings

Bearing Type	Maximum Recommended Conveyor Speed
Commercial	60 fpm for continuous slippage
Commercial	90 fpm for intermittent slippage

