

PRODUCT CATALOG



BRYANT
Products, Inc.

ABOUT BRYANT

Bryant Products houses a group of creative, knowledgeable and talented people with their eyes set on building better solutions for the conveying industry. As a customer-driven company with a passion for problem solving, we turn your problems into an opportunity to



improve the industry. From take-ups with our patented Telescoper® technology to our Tuffcote® Durathane coating, we engineer and produce the products our competitors copy. Built with precision, creativity, durability and expertise, we take the best conveyor products in the business and make them better. From the beginning, our company has been asked to solve the challenges the industry faces, such as excessive run-out, poor quality, long lead times and indifferent service. We met that challenge and exceeded expectations, constantly taking the best and making it better.

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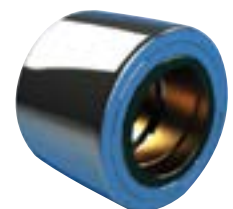
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PROJECT WORK



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CNC MACHINING



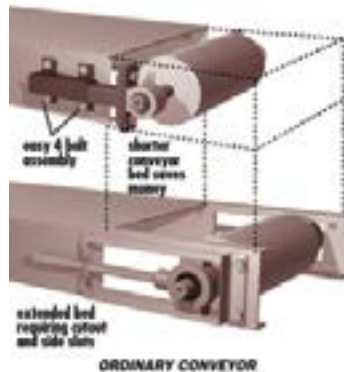


Insist on genuine Telescopers® brand take-ups from Bryant Products – The Best in the Industry

Telescopers® are tougher, stronger, easier to install, adjust and maintain and are backed by an unmatched 5-year no freeze up warranty.

The Telescopers® offers you these advantages:

- Guarantees adjustment in contaminated environments for 5 years
- Simplifies change out of bearings
- Uses standard 2-bolt pillow block bearing on pulley shaft for easy assembly even inside vulcanized belt loop
- Easy 4-bolt assembly to channel bed
- Modular design is readily adapted to special application needs
- Off the shelf availability for same day shipment on standard models
- All Telescopers® models are available in both mild steel and type 304 stainless steel.
- Telescopers® take-ups have set the standard for longevity, utility and adaptability, and have satisfied a large range of applications in unit handling and bulk materials systems.



How can we guarantee the Telescopers® for 5 years when the “other guys” only give a 1 year warranty, if at all?

- Our product is powder coated and built with precision tubing to ensure a tighter tube to tube fit
- Our adjuster rods are hand treated with an aircraft grade anti-sieze compound and are mated to a unique self-aligning mount eliminating binding during extension
- We invent and innovate and the “other guys” copy and follow. If imitation truly is the sincerest form of flattery, we do make a fabulous product!

Telescopers® take-ups are available in sizes that can produce over 25,000 pounds of thrust in strokes up to 6 feet. We offer units with conventional screw drives, automatic take-ups with internal compression springs, and hydraulically or pneumatically actuated units.

Telescopers® Mounting and Bearing Plate Options



TOP MOUNT



TAPPED BASE



EXTENDED SLIDER



STUD MOUNT



MALE THREAD



MOTORIZED PULLEY

Telescoper® Performance Options



HYDRAULIC

- Rigid precision tube-in-tube construction
- The cylinder is enclosed in the telescoping tubes and protected from the elements
- 1000 hour salt spray resistance on powder coated mild steel units
- The ideal Telescoper® for applications where larger bearings, belts, and chains are used
- A perfect choice when extreme and accurate tensions are required or when local adjustment is impossible or undesirable



AUTOMATIC

- Internal spring automatically compensates for belt or chain stretch and wear
- Maintains belt tension under varying thermal conditions
- Improves the accuracy of belt scale readings
- Allows for the ingestion of debris between the return run of the belt and the pulleys without damage to the belt or frame components
- Accurately determines the thrust on the tail pulley
- Ideal for food processing applications



QUICK RELEASE

- Pull action toggle clamp tensions or slackens conveyor belt
- The ideal Telescoper® when you must clean under your conveyor belt daily, repair your conveyor belt in a hurry or replace a conveyor chain that has jumped a tooth
- Available in stainless or low carbon steel
- Ideal for food processing applications



LINEAR ACTUATOR

- Pneumatic cylinder provides some spring in the takeups since the air compresses
- Provides automatic takeup which helps to maintain constant belt tension as the belt stretches
- Intended for more lightly loaded applications and offer a variety of diameters



FREESEAL®

- Positive seal system is completely impervious to infiltration by extreme weather and no contamination by particulates in the environment
- Requires no periodic maintenance
- Requires no regreasing
- Lifetime warranty against freeze-up

Don't see what you are looking for?

Additional mounting, bearing plate, and performance configurations are available.

Please visit us online, **www.bryantpro.com**, or call 800-825-3874.

Bryant engineers are available to discuss your specific needs and provide technical assistance.



How to Specify and Order

1. Select the Pillow Block you require for our application from the bearing manufacturer's catalog. Note the bearing bore
2. Locate your Bearing Bore Range (Column one in the Select a Series chart)
3. Review standard features and duty requirements to select appropriate "Tube Series"
4. Determine "Stroke" in inches
5. Select Material ("MS" for Mild Steel and "SS" for Stainless Steel)
6. Specify Body Mounting Method ("SF" is Standard Feet)
7. Specify Bearing Plate ("BP" is Bearing Plate)

Ex. 100-3-MS-SF-BP (Series-Stroke-Material-Body Mounting Method-Bearing Plate)

Select a Series Telescopier®

Standard Features and Load Rating

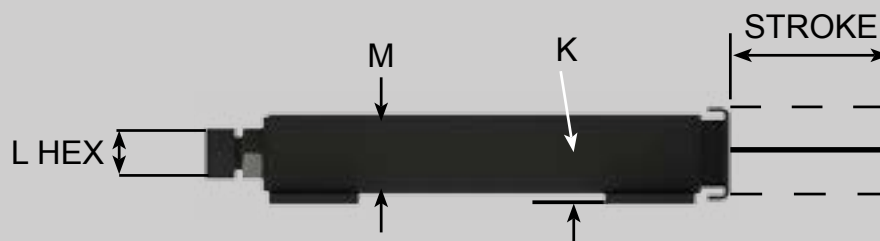
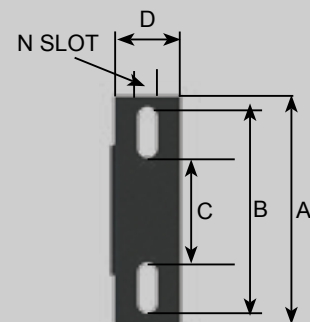
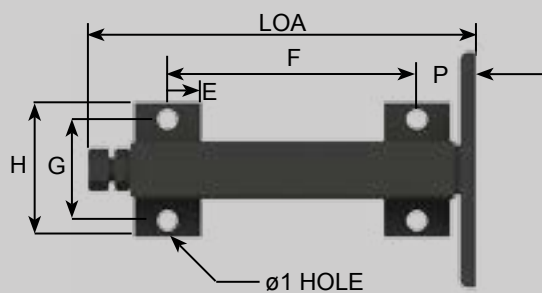
- **100 series** .625-11 UNC-2A adjusting rod Max holding force 700 pounds per Telescopier® 150 pounds max cantilevered load per Telescopier®
- **250 series** .750-10UNC-2A adjusting rod Max holding force 1500 pounds per Telescopier® 300 pounds max cantilevered load per Telescopier®
- **300/325 series** .875-9UNC-2A adjusting rod Max holding force 3000 pounds per Telescopier® 600 pounds max cantilevered load per Telescopier®
- **350 series** .875-6 ACME adjusting rod Max holding force 7000 pounds per Telescopier® 1000 pounds max cantilevered load per Telescopier®
- **400 series** 1.250-5 ACME adjusting rod Max holding force 15,000 pounds per Telescopier® 1500 pounds max cantilevered load per Telescopier®
- **500 series** 2.250-4 ACME adjusting rod Max holding force 75,000 pounds per Telescopier® 6000 pounds max cantilevered load per Telescopier®
- **500R series** Rectangular tube construction Engineered and built on special request

Bearing Bore	Standard Duty Bearings	Medium Duty Bearings	Heavy Duty Bearings
1/2 - 1	100		
1 1/16	250		
1 1/8	250		
1 3/16	250	250	
1 1/4	250	250	
1 5/16	250	250	
1 3/8	250	250	
1 7/16	250	250	350
1 1/2	250	350	350
1 9/16	250	350	350
1 5/8	250	350	350
1 11/16	250	350	350
1 3/4	250	350	350
1 15/16	300/325	350	350
2	300/325	350	350
2 3/16	300/325	350	400
2 1/4	300/325	350	400
2 7/16	300/325	350	400
2 1/2	300/325	350	400
2 11/16	300/325	400	400
2 3/4	300/325	400	400
2 15/16	300/325	400	400
3 - 3 3/16		400	400
3 7/16 - 3 1/2		400	500
3 15/16 - 10 1/2			500

Standard Telescop[®] Dimensions for Reference

Consult Website or Factory for Specific Dimensions, Part Models and Drawings

Series	Stroke	LOA	A	B	C	D	N	E	F	G	H	I	K	L	M	P	Weight ea lbs
100	3 6 9	6.88 10.38 14.38	5.25	4.31	2.94	1.50	.44	.75	3.56 7.06 11.06	2.63	3.69	.56	.88	.94	1.25	1.47	2.50 3.50 4.60
250	3 6 9 12	8.50 11.50 14.50 17.50	7.00	5.69	3.81	2.04	.56	1.00	4.38 7.38 10.38 13.38	3.00	4.00	.56	1.13	1.13	1.75	1.75	4.90 5.80 7.50 9.10
300	6 9 12 18	11.13 15.13 19.13 26.13	10.00	8.69	5.56	2.84	.68	1.25	6.13 10.13 14.13 21.13	4.00	5.25	.68	1.50	1.31	2.50	2.13	11.40 13.40 16.50 21.60
325	6 9 12 18	12.75 15.75 18.75 24.75	10.00	8.69	5.56	2.84	.68	1.25	7.13 10.13 13.13 19.13	4.00	5.25	.68	1.50	1.31	2.50	2.69	13.20 16.90 20.00 26.00
350	9 12 18 24	19.00 22.00 28.00 34.00	10.00	8.69	5.56	3.00	.68	1.25	13.00 16.00 22.00 28.00	4.50	5.75	.68	1.75	1.44	3.00	2.50	24.60 27.70 34.70 41.70
400	12 18 24	27.75 33.75 39.75	14.00	11.75	8.50	3.50	.88	1.75	20.00 26.00 32.00	5.50	7.50	.88	2.13	2.00	3.50	3.50	43.00 54.00 65.00
500	18 24 36	44.00 50.00 62.00	PER CUSTOMER SPECIFICATIONS					2.50	31.00 37.00 49.00	9.00	11.50	1.06	3.50	3.50	6.00	6.00	250.00 275.00 325.00



Bryant Products manufactures a complete line of conveyor rollers for every unit handling conveying application. Rollers can be used in a series to support a belt or pallet or as part of a roller bed conveyor to replace a slider bed conveyor.

Bryant Products is pleased to offer a wide variety of designs and components for any roller system. Our design team will work with the application engineer to offer a perfect match of tubing material, bearings, axles, and specialty components for each specific requirement. We carry an extensive assortment of materials, bearings, and components which enable us to offer our clients the maximum performance in a minimum lead time.

There are four major component groups in a typical roller assembly:

- **Tubing** – the outer body or shell of the roller
- **Bearings** – the anti-friction member on which the roller shell rotates
- **Shaft** – passes through the bore of the bearing and holds the roller in the conveyor frame. The bearings rotate around the shaft
- **Specialty components** – items such as sprockets, belt grooves, springs, washers, adapters, seals

We classify our rollers in three categories: light duty, heavy duty, and chain driven live rollers (CDLR). We can utilize our AirForm® technology to provide complex shapes, such as point, trapezoidal, arc, concave, and straight crowns. AirForm® rollers are true precision grade with TIRs that range from .020" to .010", not the .060" to .120" associated with expanded rim technologies.

Light Duty

- Diameter range from Ø1.375 - Ø3
- .049 - .095 wall material

Heavy Duty

- Diameter range from Ø1.90 - Ø8
- .049 - .095 wall material

Chain Driven Live Rollers

- Diameter range from Ø2.50 - Ø6
- .125 - .300 wall material
- Sprockets are available in a wide variety of diameters and pitches
- Produced in single, double, and triple row



Tubing

We offer steel, galvanized steel, stainless steel, aluminum, and thermoplastic.

Bearings

There are a wide variety of bearings and bushings available for conveyor roller applications. Bryant stocks most commonly used bearings and has immediate access to a vast array of more application specific bearings.

- Precision
- Stamped
- Plastic
- Bushings
- CEMA mine duty
- Replaceable bearings

Why use a replaceable bearing in my CDLR and heavy duty rollers instead of the standard crimped construction?

- The retained bearing ensures bearings will stay in the rollers even upon impact or when subject to vibrations.
- The precision, sealed bearing runs smoother and longer than commercial grade bearings.
- The precision machined fit allows for removal of the bearing assembly for easy replacement instead of having to install a new roller.

Shaft

We offer hex and round axles. The round axles can be tapped on the ends and secured and locked to the frame with a bolt, milled flat on one side, or threaded.

Specialty Components

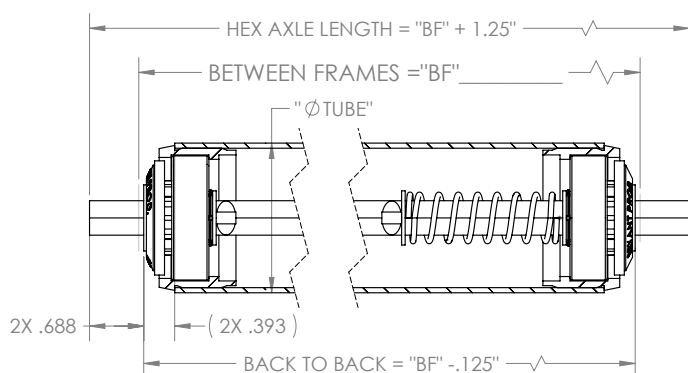
- Springs
- Seals
- Drive Grooves
- Sprockets
- Adapters
- Machined Washers
- Stamped Cup Adapters
- Thermoplastic Adapters
- TuffCote® urethane lagging

Straight Roller Assembly

Customer Specification / Order / Quote Form

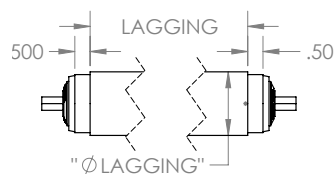
Standard Features

- Galvanized steel tube
- Plain steel 7/16 (.438) hex axle
- ABEC bearings in plastic adapters
- Spring loaded one end.
- Lagging black urethane 85 durometer or blue urethane 70 durometer

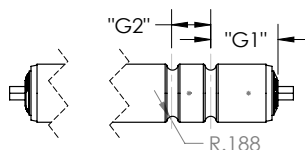


Additional Options

Lagging



Grooves



Customer Specifications

"Ø Tube" (Specify)

_____ Ø 1.90

_____ Ø 2.50

_____ Other

Between Frames "BF" _____

"G1" _____

"G2" _____

"Ø Lagging" _____

_____ Lagging Black 85

_____ Lagging Blue 70

Additional Notes:

Company: _____

Email: _____

Contact Name: _____

Date Required: _____

Contact Number: _____

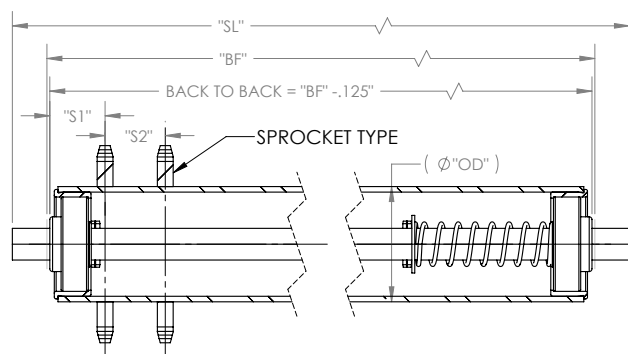
Quantity: _____

CDLR (Chain Driven Live Roller)

Customer Specification / Order / Quote Form

Standard Features

- Material all steel construction
- Standard hex axle 11/16 (.688)
- ABEC sealed precision bearings
- Lagging black urethane 85 durometer or blue urethane 70 durometer



Customer Specifications

_____ "Ø OD"

_____ "BF"

_____ "SL"

Sprocket: Type _____ Number of teeth _____

"S1" _____

"S2" _____

"Axle Option"

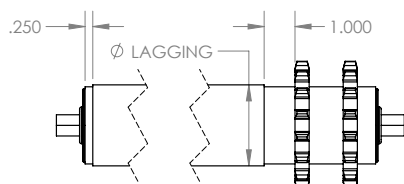
Spring Loaded: _____

Non-Spring Loaded: _____

"Ø Lagging" _____

Additional Options

Lagging



Additional Notes:

Company: _____ Email: _____

Contact Name: _____ Date Required: _____

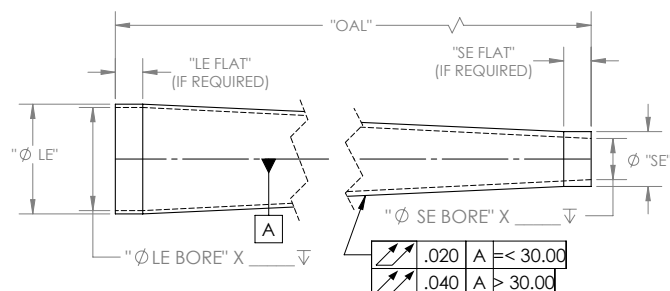
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Taper Roller Shell

Customer Specification / Order / Quote Form

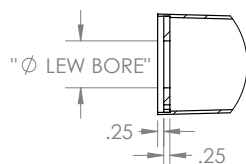
Standard Features

- Material: Specify
- Lagging black urethane 85 durometer or blue urethane 70 durometer

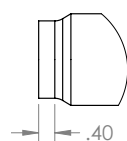


Additional Options

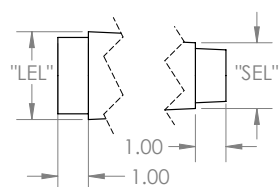
Large End Washer



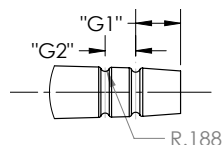
Large End Stepdown



Lagging



Grooves



Additional Notes:

Customer Specifications

Material (Specify)

- _____ Galvanized Steel
- _____ Plain Steel
- _____ Aluminum
- _____ Other

"Ø LE" _____

"Ø LE BORE" _____ X _____

"LE FLAT" _____

"LEW BORE" _____

"Ø SE" _____

"Ø SE BORE" _____ X _____

"SE FLAT" _____

"G1" _____

"G1" _____

Lagging "LEL" _____ "SEL" _____

_____ 85 Durometer Black

_____ 70 Durometer Blue

Company: _____

Email: _____

Contact Name: _____

Date Required: _____

Contact Number: _____

Quantity: _____

Bryant Products is a leading manufacturer of light and medium duty pulleys for a wide variety of belt conveyor applications. Our precision grade head and tail pulleys range in diameter up to 15" and in face widths up to 108". We offer TIRs as low as .001" and shaft tolerances as low as .001"

There are four major component groups in a typical pulley assembly:

- Rim (Outer Shell) – the cylindrical body of the pulley
- End Discs or Hubs and Bushings - the "ends" of the pulley
- Shaft – supports the pulley and provides the structure for bearing mounting
- Lagging – an optional covering for the rim, which increases "pulley to belt" grip

We classify our pulleys into five categories: Metal Face Machined, TuffCote® Urethane Lagged, Metal Face Formed (AirForm®) Light Duty, Metal Face Formed (AirForm®) Medium Duty, and Metal Face Formed (AirForm®) Heavy Duty. Pulleys are available in a variety of profiles, including straight face, tapered crown, and trapezoidal crown configurations. We can even provide pulleys with "V" grooves to accommodate conveyors equipped with "centering/tracking" v-belts. Bryant utilizes its AirForm® technology to manufacture tapered belt turn pulleys with TIRs ranging from .020" to .010".

Metal Face Machined

- .250 - 1.50 wall material

TuffCote® Urethane Lagged

- Available in all AirForm® and Machined pulley configurations

Metal Face Formed (AirForm®) Light Duty

- Less than .125 wall material

Metal Face Formed (AirForm®) Medium Duty

- .125 - .134 wall material

Metal Face Formed (AirForm®) Heavy Duty

- Greater than .188 wall material



Rim (Outer Shell)

We offer steel, galvanized steel, stainless steel, aluminum, and thermoplastic.

End Discs

There is a wide variety of hubs and bushings available for your pulley applications.

- Hubs and bushings
- Washers

Shafting

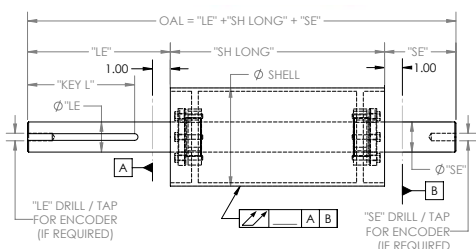
Bryant offers TG&P (turned, ground, and polished) material in mild steel, stainless steel, and aluminum. We manufacture a full line of welded, stub, and thru shaft configurations. If required, shaft keyseats can be machined to your specifications.

Drive Pulley - Plain

Customer Specification / Order / Quote Form

Standard Features

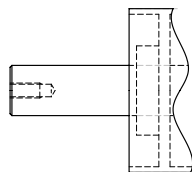
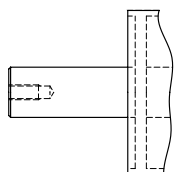
- Material: All steel construction
- Plain washer end plate, set screw hub, QD style hub and bushing set recessed .250 from end of shell
- Standard keyway and standard tolerances (per ANSI B17, 1-1967, R1989)



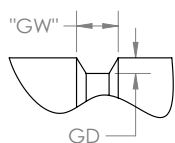
Additional Options

Plain Washer

Hub and Set Screw



Center "V" Groove



Additional Notes:

Company: _____

Email: _____

Contact Name: _____

Date Required: _____

Contact Number: _____

Quantity: _____

Customer Specifications

Customer Part# _____

"LE" _____

"Ø LE" _____

"KEY L" _____

"SH LONG" _____

"Ø SHELL" _____

"FLAT" _____ TRAP CROWN _____

"SE" _____

"Ø SE" _____

"LE DRILL/TAP" _____

"SE DRILL/TAP" _____

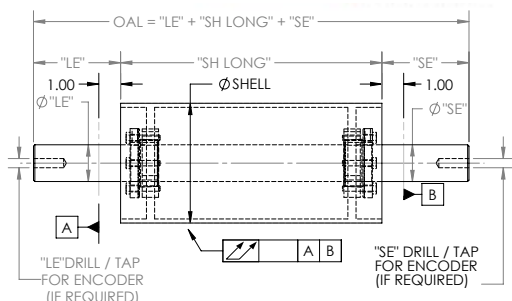
"GW" _____ "GD" _____

Tail Pulley - Plain

Customer Specification / Order / Quote Form

Standard Features

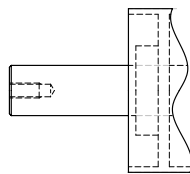
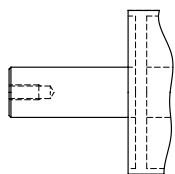
- Material: All steel construction
- Plain washer end plate, set screw hub, QD style hub and bushing set recessed .250 from end of shell



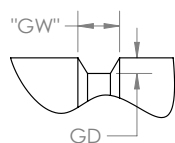
Additional Options

Plain Washer

Hub and Set Screw



Center "V" Groove



Additional Notes:

Company: _____ Email: _____

Contact Name: _____ Date Required: _____

Contact Number: _____ Quantity: _____

Customer Specifications

Customer Part# _____

"LE" _____

"Ø LE" _____

"SH LONG" _____

"Ø SHELL" _____

"FLAT" _____ TRAP CROWN _____

"SE" _____

"Ø SE" _____

"LE DRILL/TAP" _____

"SE DRILL/TAP" _____

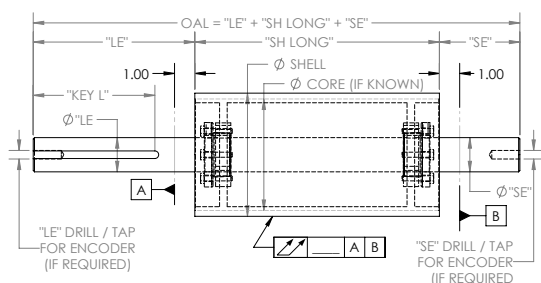
"GW" _____ "GD" _____

Drive Pulley - Lagged

Customer Specification / Order / Quote Form

Standard Features

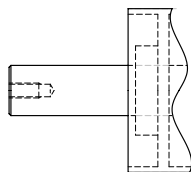
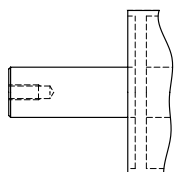
- Material: All steel construction
- Plain washer end plate, set screw hub, QD style hub and bushing set recessed .250 from end of shell
- Lagging 85 durometer blue urethane, optional 70 durometer blue urethane
- Standard keyway and standard tolerances (per ANSI B17, 1-1967, R1989)



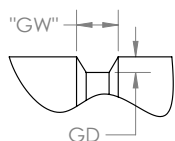
Additional Options

Plain Washer

Hub and Set Screw



Center "V" Groove



Customer Specifications

Customer Part# _____

"LE" _____

"Ø LE" _____

"KEY L" _____

"SH LONG" _____

"Ø SHELL" _____

"FLAT" _____ TRAP CROWN _____

"SE" _____

"Ø SE" _____

"LE DRILL/TAP" _____

"SE DRILL/TAP" _____

"GW" _____ "GD" _____

Additional Notes:

Company: _____

Email: _____

Contact Name: _____

Date Required: _____

Contact Number: _____

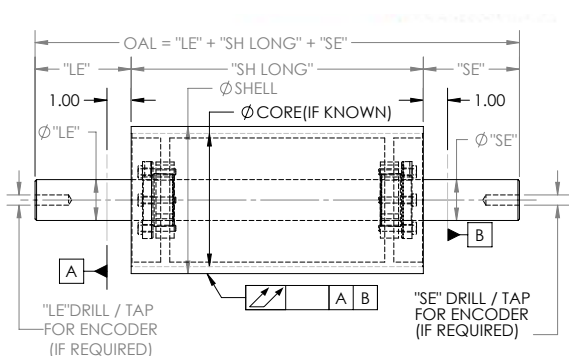
Quantity: _____

Tail Pulley - Lagged

Customer Specification / Order / Quote Form

Standard Features

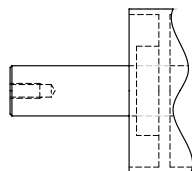
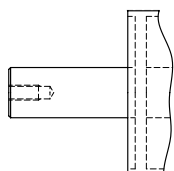
- Material: All steel construction
- Plain washer end plate, set screw hub, QD style hub and bushing set recessed .250 from end of shell
- Lagging 85 durometer black urethane, optional 70 durometer blue urethane



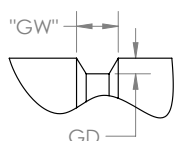
Additional Options

Plain Washer

Hub and Set Screw



Center "V" Groove



Customer Specifications

Customer Part# _____

"LE" _____

"Ø LE" _____

"SH LONG" _____

"Ø SHELL" _____

"FLAT" _____ TRAP CROWN _____

"SE" _____

"Ø SE" _____

"LE DRILL/TAP" _____

"SE DRILL/TAP" _____

"GW" _____ "GD" _____

Additional Notes:

Company: _____

Email: _____

Contact Name: _____

Date Required: _____

Contact Number: _____

Quantity: _____

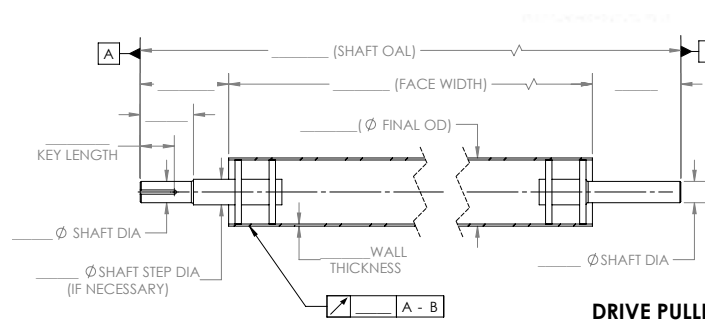
Stub Shaft Pulley (Drive/Tail)

Customer Specification / Order / Quote Form

Standard Features

- All material steel unless specified
- Runout dependant on length and size of pulley.
- Runout measured over washers
- Any additional requirements please provide in additional notes section
- Solid stub shaft ends can replace washers

Drive Pulley



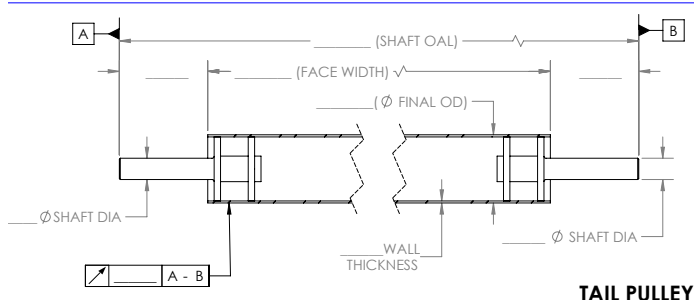
Customer Specifications

(check options)

- ☐ Drive Pulley
- ☐ Tail Pulley
- ☐ Tuffcoat® Lagging Black 85 Durometer
- ☐ Tuffcoat® Lagging Blue 70 Durometer
- ☐ Keyway

Keyway Size _____

Tail Pulley



Additional Notes:



Urethane Lagging

TuffCote/Durathane® is a two component, 100% solid, no VOC (Volatile Organic Compound), UV controlled, modified elastomer. TuffCote/Durathane® offers superior performance in rapid cold mold casting, conveyor roller lagging, and as a protective coating system. TuffCote/Durathane® offers excellent adhesion to properly prepared steel, aluminum and stainless. TuffCote/Durathane® is fast curing and greatly reduces moisture sensitivity. This unique polyurethane elastomer system displays excellent UV characteristics and is suitable for either interior or exterior use. The system offers 60, 75, 85, and 95 durometer lagging. TuffCote/Durathane® exceeds the abrasion resistance of carboxylated/rubber lagging and its chemical and UV resistance is far superior. It is inert to most chemicals with the exception of highly concentrated acids which is far superior to rubber.

TuffCote/Durathane® exhibits vastly reduced belt slippage compared to any other roller coverings. TuffCote/Durathane® exhibits radically improved particle and die transfer characteristics to belts as compared to other roller coverings.

The TuffCote/Durathane® elastomer application is controlled via a CNC machine. Many profiles can be accommodated to customize the application. TuffCote/Durathane® is easily machined. Tolerances of +/- .005 can be accomplished with any profile done in typical CNC machining.

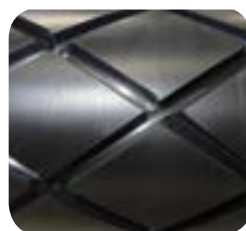
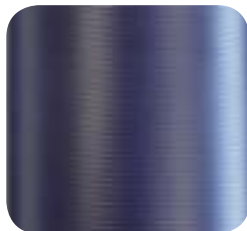
Application is done without any custom tooling or tooling changes. We can accommodate lower quantity production and quick turn-arounds without problem.

- This is a continuous rather than a batch process - this lowers the production cost and lead time.
- Unlike traditional urethane processes - the TuffCote/Durathane® material does not require molds.
- Our TuffCote/Durathane® process is form following so we can coat irregular shapes with less waste thereby reducing costs.

TuffCote/Durathane® is ideally suited to tapered conveyor rollers.

- TuffCote/Durathane® offers greater abrasion resistance than rubber coatings, far superior chemical resistance, is non-hygroscopic and eliminates the dye and particle transfer problems that rubber encounters with extruded belts causing tracking problems.
- Although TuffCote/Durathane® is far superior to rubber we can offer it at a price that is competitive with either SBR or Carboxylated Nitrile.
- We have been producing TuffCote/Durathane® lagged pulleys for over seven years without any wear or performance issues.

We have yet to see a groove pattern and finish we cannot duplicate!





Enjoy the many benefits that our revolutionary AirForm® process brings to rollers and pulleys. It is a CNC controlled process that selectively reduces the tube diameter along its entire length. AirForm® rollers and pulleys are true precision grade with TIRs that range from .020" to .010" - not the .060" to .120" associated with expanded rim technologies. Also, AirForm® rollers and pulleys are available in point, trapezoidal, arc, concave, and straight crowns. Like our machined grade rollers and pulleys, AirForm® components are available in all shaft to pulley configuration, with or without lagging, and can be dynamically balanced.

Eliminate the additional expense and weight required to machine rollers and pulleys - with AirForm® you get a lighter weight pulley without all of the extra fabrication and material costs.

- Rollers and pulleys manufactured with Bryant Products' revolutionary AirForm® technology require no tooling
- It is a net shape technology - we are not scrapping half the wall thickness of expensive tubing
- Available in major diameters ranging from 1.50" to 9", lengths up to 82", and wall thicknesses to .250"
- Since our tubes are free-formed in air, you can specify a wide range of concave, convex, compound, wave forms, cylindrical shapes with single or multiple crowns or grooves, and back-to-back taper designs
- Optional unique, single piece "drop-back" design eliminates the cost, weight, additional material, welding, and increased TIR common to "True Taper" rollers using washer in the back end for a bearing set
- The drive grooves in our belt driven rollers are produced during the basic forming operation, thereby eliminating the expense of a secondary operation.
- For extraordinary savings, use AirForm 'V' guide pulleys for belts equipped with 'A' or 'B' section tracking guides. With AirForm® 'V' guide pulleys, the relief groove is precision formed directly into the face of the pulley. This completely eliminates all of the fabricating needed to mate a machined center section to the butt welded barrel sections along with the subsequent machining of the welded components.

The economies associated with AirForm® parts are these:

- All machined trapezoids and crowned pulleys or cores have to start out with heavy wall tubing to allow for the removal of materials. Since AirForm® reduces the diameter of the tubing, rather than cut it away, conveyor pulleys and cores for various industrial rolls can be formed from lighter gauge materials.
- The cycle time to AirForm® a part is 75% less than that of a lathe turned core or pulley without any sacrifice in run out or balance. In fact, the lighter mass of AirForm® shells often has a beneficial effect on the life of supporting members.

Torque Arms by Bryant

Simple, modular and readily available!

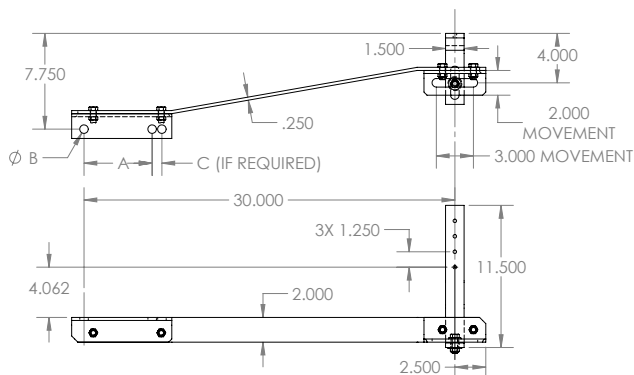
- Slotted mounting plate allows a variety of sizes and simplifies inventory needs
- Mounts available for all makes and sizes
- Fully adjustable to allow precise alignment of the reducer, motor, and device assuring increased life and less mechanical failure
- Available in stainless and powder coated carbon steel

Bryant Standard Torque Arms

Constructed of mild steel or stainless steel, whatever the environment requires. Special modifications available from the factory to fit requirements.



Mild and stainless steel construction,
customer to specify a, b, c dimensions



**Don't see what you
are looking for?**

Special modifications
are available.

Please visit us online,
www.bryantpro.com,
or call 800-825-3874.

*Bryant engineers are available
to discuss your specific needs and
provide technical assistance.*

Project Work

Help when you need it the most!

If you are in the market for that conveyor no one wants to build or cannot build, the machine that does not exist, or you are looking for a better way to do what you do, call Bryant.

We are innovators. Our company started with an innovation, the Telescoper® brand takeup, a radical departure in the takeup design and the first ever to guarantee adjustability. Once dismissed by our competition as unnecessary, those same companies now offer copies. Still, we remain ahead of the curve with internal compression spring automatic takeup systems and our lifetime adjustability guaranteed FreeSeal® Telescoper®.

We re-invented the tapered roller, the process by which they are made, and the machines to make them with our patented AirForm® technology. AirForm® eliminated the need for tooling and dies, it lowered TIRs by 67%, and greatly expanded the range of sizes available allowing for one piece tapers up to 10" in diameter and 84" long. We then developed AirForm® tapered pulleys, the only precision grade trap crown and 'V' guide pulleys on the market.

Years later we developed our TuffCote® /Durathane urethane lagging. We made urethane lagging affordable and price competitive with rubber lagging. We went on to develop and patent the TuffCore® pulley, a lightweight, rigid foam core coated with our TuffCote® lagging. TuffCore® is the only real advance in pulley technology in over 50 years. Plus, scattered in between these major breakthroughs are numerous other patents.

This creativity, our capacity for superior engineering, and the desire to find a better way can be applied to your project work as well. We now have successful history of building specialty machinery, licensing some of our technologies, and building the unique conveyor that no one else wants to tackle. We have designed and built automatic sandblasting systems, agricultural planting systems, urethane mixing and injection systems, and food grade conveyors.

Hire us when you need specialty design work.

We can help you do your job better.

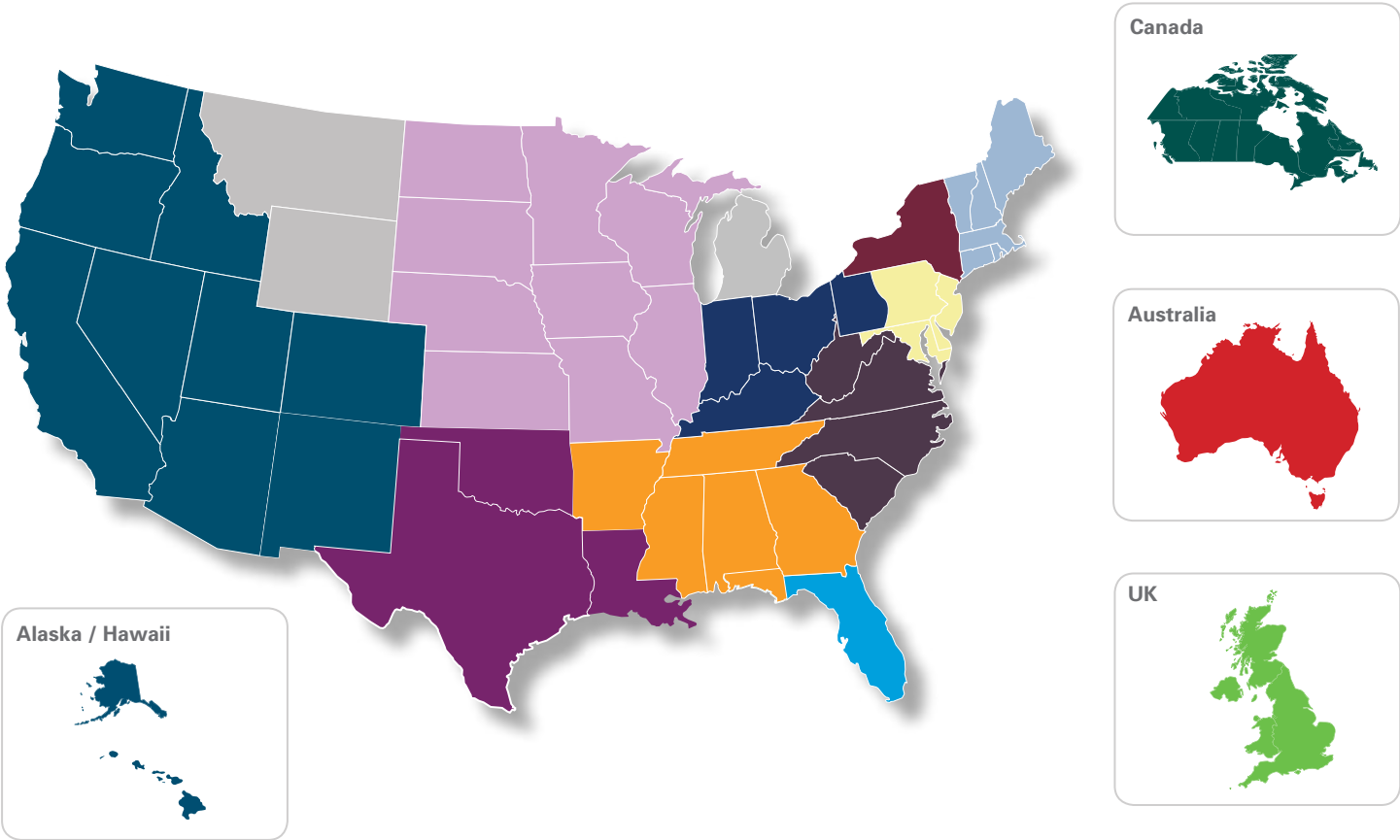
Call us : 800-825-3874.

CNC Machining

Bryant stands at the forefront of precision CNC machining. We have a variety of quick turn and super quick turn horizontal and Mazak VTC vertical machining centers to produce what you need, when you need it.



Rep Directory



H&H Sales
Phone 563-391-3900
hhsales.net



Mooney Industrial
Phone 800-647-4644



Rausch Sales
Phone 813-988-0358
FL (zip codes 311xx-323xx)



Applied Motion Sales
Phone 413-525-9567
appliedmotionsales.com



Poklar Power Motion
Phone 440-585-2121
poklar.com
PA (zip codes 150xx-167xx)



H&H Industrial Sales
Phone 205-870-1146
hhindustrialsales.com
FL (zip codes 324xx-325xx)



Controlled Motion
Phone 704-545-0569
controlledmotioninc.com



R.A. Rodriguez Limited
Phone 01462-670044
rarodriguez.co.uk



KWH Technologies
Phone 817-577-1230



OEM Industrial
Phone 302-593-5558
oemindustrialinc.com
PA (zip codes 168xx-192xx)



Pro-Power Associates
Phone 716-667-2897



Web Tech
Phone 07-3841-2844
web-tech.com.au



Mechanical Sales
Phone 800-263-7226

PRODUCT OFFERING

Takeups

- Telescoper® brand Takeups
- Custom Fabricated Specialty take-ups

Conveyor Rollers

- 1-3/8" - 5" diameter
- Drive grooves
- Sprocketed - CDLR
- Carbon and stainless steel, aluminum, ABS

Tapered Rollers & Turn Pulleys

- AirForm® and Machined straight and trap crown
- TIR as low as .001"
- 1" - 12" diameter, 106" length

Conveyor Pulleys

- AirForm® and Machined straight and trap crown
- TIR as low as .001"
- 1" - 12" diameter, 106" length

Exclusive TuffCote® Lagging

- High quality urethane at rubber prices

Pulleys for general conveying, airport baggage, United Parcel Service, United Postal Service, Print and Web-Feed applications

Custom Fabricating

CNC Machining - Vertical and Horizontal Centers

PROCESSES, SERVICES, & CAPABILITIES

CNC Machining

Turning capacity up to 3000 mm (118 in) in length
Turning capacity up to 15 inches in diameter
Turning capacity incorporates live toolings for extra precision and reduced set ups
Keys and splines produced on lathe
Milling capacity up to 1800 mm (72 in) in length
Bar feed capacity up to 3.50 inches in diameter
Hydraulic steady rest capability to 10 inches in diameter
CNC sawing to 20 inch diameter
Broaching - keyways

Welding

Mig

Automatic cylindrical welding to 10 inch diameter and 1800 mm (72 in) in length

Tig

Plasma cutting

Aluminum, alloy steels, and stainless steel

Other Services

Proprietary Airform® CNC metal spinning

- Tubing capacity (.250 wall) maximum
- 2000 mm (80 inches) length
- Up to 10 inches in diameter

Proprietary TuffCote® urethane coating of any substrate using CNC controls

Media blasting

Chrome plating

Zinc plating

Heat treating

Powder coatings

Straightening

Plasma cutting

Grinding

Metal forming

Material Offerings

Carbon steel

Stainless steel

Aluminum

Plastics

Steel alloy (4140, 1144, 8620, etc)

Brass/Copper alloys

Turned, ground, and polished stocks

Our takeups, rollers, pulleys, tapers, and industrial components have solved problems in the following industries:

- | | | | |
|--------------------------------|--|----------------------------------|--|
| • Material handling | • Agriculture | • Industrial brushes | • Motorcycle and recreational vehicles |
| • Airport baggage | • Print and web-feed applications | • Fitness equipment | • Specialty coatings |
| • United Parcel Service | • Food processing and handling equipment | • Bag house and air purification | • Recycling |
| • United States Postal Service | | • Sports | • Entertainment |
| • Industrial distribution | | • Aggregate and quarry | • Interior design |

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