

CONVEYOR ROLLER EXPERTS



Welcome to Roll Ezy where we are experts in rollers for conveyors. We have been manufacturing conveyor rollers for over 20 years and supporting industry and suppliers with a comprehensive range of quality rollers which we manufacture at our purpose built facilities in Cheshire.

We have vast experience in conveyor rollers and our highly skilled team allows us to provide our customers with a high quality and cost effective service.

We are happy to assist with any conveyor roller enquiry and we can supply anything from a single roller upwards! No order is too big or small.

We are specialists in:

**Steel Rollers (including Gravity, Tapered, Grooved, PVC & Rubber
Sleeve, Welded and Steel & Plastic Sprocket Rollers)**
Plastic Rollers
Stainless Steel Rollers
Ezy Rail, Colli Roller, Skate Wheels and Pallet Tracks

Call us on 01925 759554 or email sales@rollezy.com for friendly and professional advice.

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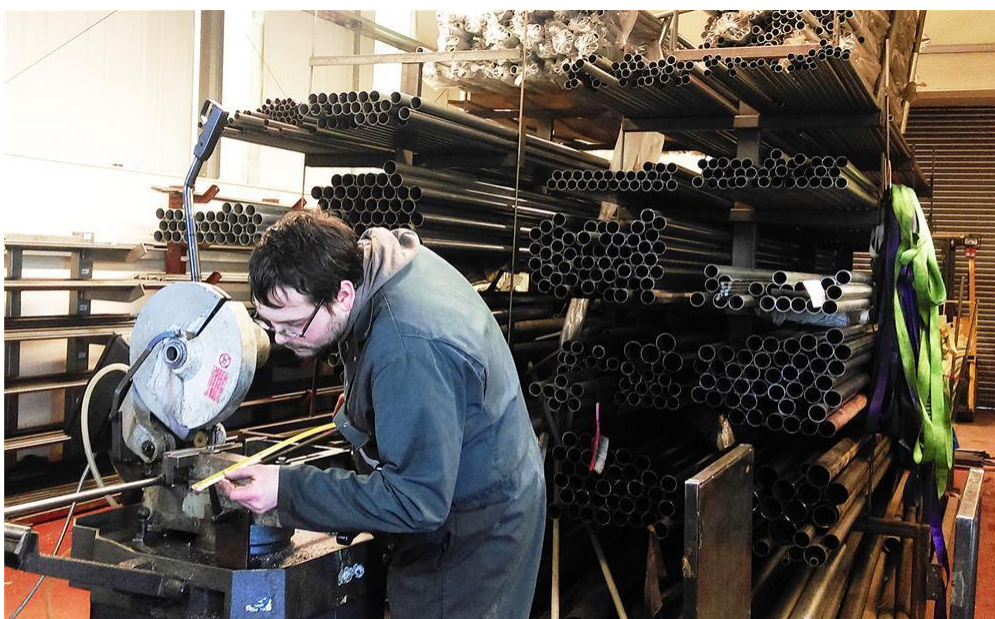
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WE ARE UK ROLLER MANUFACTURERS

At Roll Ezy we have been manufacturing conveyor rollers for over 20 years and have a vast amount of knowledge and experience in this specialised area. We are based in Lymm, Cheshire.



We have a purpose built factory and offices where we design, manufacture and deliver conveyor rollers worldwide. Our talented team of engineers, project managers and friendly sales staff deliver bespoke conveyor roller solutions to a wide variety of customers from many different industries.



Our skilled team is able to produce rollers and tracks for regular orders or "one-offs" and we can work on bespoke projects for our customers. All of our products are manufactured and fully finished in-house which means we can work to strict timescales and provide a fast and efficient service.



CONVEYOR ROLLERS

Roll Ezy Rollers are manufactured to order in-house here at our factory in Lymm, Cheshire.



Each and every order we receive from our customers is extremely important to us and we strive to maintain only the highest standards of customer service and production.

It does not matter how big or small your order is. Orders of only one roller will be treated with the same priority as larger orders. Lead times are generally between 7 to 10 working days.

ROLL EZY CAN OFFER YOU:

- High quality products, manufactured here on site in Lymm
- Competitive pricing
- Efficient and friendly service from our specialist team
- Over 20 years experience in producing conveyor rollers
- A comprehensive range of rollers, one of the largest available manufactured here in the UK.

*** These rollers are also available in stainless steel.**

Tube	Shaft Size	Bearing	Finish
16 mm diameter x 0.6 mm	6 mm diameter	Semi precision plastic push in with stainless steel balls	Mild steel, bright zinc plate
20 mm diameter x 1.5 mm	6 mm diameter	Semi precision plastic push in with stainless steel balls	Mild steel, bright zinc plate
1" diameter x 18 swg	6 mm, 8 mm* diameter	Semi precision plastic push in with stainless steel balls, semi precision steel swaged	Mild steel, bright zinc plate
30 mm diameter x 1.5 mm	6 mm, 8 mm, 10 mm diameter	Semi precision steel swaged	Mild steel, bright zinc plate
35 mm diameter x 1.5 mm	8 mm diameter, 8 hex	Semi precision steel swaged	Mild steel, bright zinc plate
1 1/2" diameter x 16 swg	8 mm, 10 mm*, 7/16"*, 12 mm* diameter	Semi precision steel swaged	Mild steel, bright zinc plate
1 1/2" diameter x 16 swg	8 mm, 10 mm, 7/16", 12 mm, 15 mm, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
1 1/2" diameter x 16 swg	12 mm*, 14 mm* diameter, 11 hex*	Precision 6002 in plastic swaged housing & plastic insert	Mild steel, bright zinc plate
40 mm diameter x 16 swg	8 mm, 10 mm, 7.16", 12 mm diameter, 11 hex	Semi precision steel swaged	Mild steel, bright zinc plate
40 mm diameter x	10 mm, 12 mm, 14	Precision steel swaged	Mild steel,

16 swg	mm, 15 mm diameter, 11 hex		bright zinc plate
50 mm diameter x 1.5 mm, 2" diameter x 16 swg	8 mm, 10 mm, 7/16", 12 mm, 8 hex, 11 hex	Semi precision steel swaged	Mild steel, bright zinc plate
50 mm diameter x 1.5 mm, 2" diameter x 16 swg	12 mm*, 14 mm*, 15 mm* diameter, 11 hex*	60022RS precision bearing in plastic swaged housing, complete with blue plastic insert	Mild steel, bright zinc plate
50 mm diameter x 1.5 mm, 2" diameter x 16 swg	8 mm, 10 mm, 7/16", 12 mm, 14 mm, 15 mm, 8 hex, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
2" diameter x 14 swg	8 mm, 10 mm, 7/16", 12 mm, 14mm, 15 mm, 8 hex, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
2" diameter x 10 swg	8 mm, 10 mm, 7/16", 12 mm, 14 mm, 15 mm, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
2 1/4" x 14 swg	10 mm, 7/16", 12 mm, 11 hex	Semi precision steel swaged	Mild steel, bright zinc plate
60 mm diameter x 2 mm	8 mm, 10 mm, 7/16", 12 mm, 11 hex	Semi precision steel swaged	Mild steel, bright zinc plate
60 mm diameter x 2 mm	10 mm, 7/16", 12 mm, 14 mm, 15 mm, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
2 1/2" x 3 mm	1/2", 5/8", 3/4", 20mm, 11 hex, 9/16" hex, 11/16" hex	Precision steel swaged	Mild steel, bright zinc plate
70 mm diameter x	15 mm	Precision steel swaged	Mild steel,

2 mm			bright zinc plate
3" x 3 mm	5/8", 3/4", 20 mm, 9/16" hex	Precision steel swaged	Mild steel, bright zinc plate
3" x 3 mm	3/4"*, 20 mm*, 9/16" hex	62052RS precision bearing in plastic swaged housing	Mild steel, bright zinc plate
80 mm diameter x 2 mm	3/4", 20 mm	62052RS precision bearing in plastic swaged housing	Mild steel, bright zinc plate
80 mm diameter x 2 mm	Precision 11 hex	Steel swaged housing	Mild steel, bright zinc plate

TAPERED CONVEYOR ROLLERS

Roll Ezy Tapered Rollers are ideal for use in gravity roller and belt driven conveyor bends.



Moulded black plastic taper segments are pressed on to 30, 1.5 inch and 50 mm diameter x 1.5 mm wall tube to form taper rollers. 1.5 inch can be fitted with friction or positively driven plastic simplex or duplex sprockets.

SPECIFICATIONS

Tube	Shaft Sizes Available	Bearing
30 mm diameter x 1.5 mm	6, 8, 10 mm diameter	Semi-precision steel swaged
1 1/2 inch diameter x 16 swg	8, 10, 7/16", 12 mm diameter & 11 hex	Semi-precision steel swaged

1 1/2 inch diameter x 16 swg	12, 14 mm diameter & 11 hex	Precision plastic push in complete with 60022RS and blue plastic insert
1 1/2 inch diameter x 16 swg	8, 10, 7/16", 12 mm diameter & 11 hex	Precision steel swaged
50 mm diameter x 1.5 mm	8, 10, 7/16", 12 mm diameter & 11 hex	Semi-precision steel swaged
50 mm diameter x 1.5 mm	8, 10, 7/16", 12 mm diameter & 11 hex	Precision steel swaged
50 mm diameter x 1.5 mm	12, 14 mm diameter & 11 hex	Precision plastic swaged complete with 60022RS & blue plastic insert

The 1 1/2 inch and 50 mm tube can be supplied in 304 Stainless Steel tube on request and can be grooved. The 1.5 inch tapered roller can also be supplied with plastic sprockets.

DIAGRAM OF TAPER SEGMENTS FOR 30 MM DIAMETER TUBE

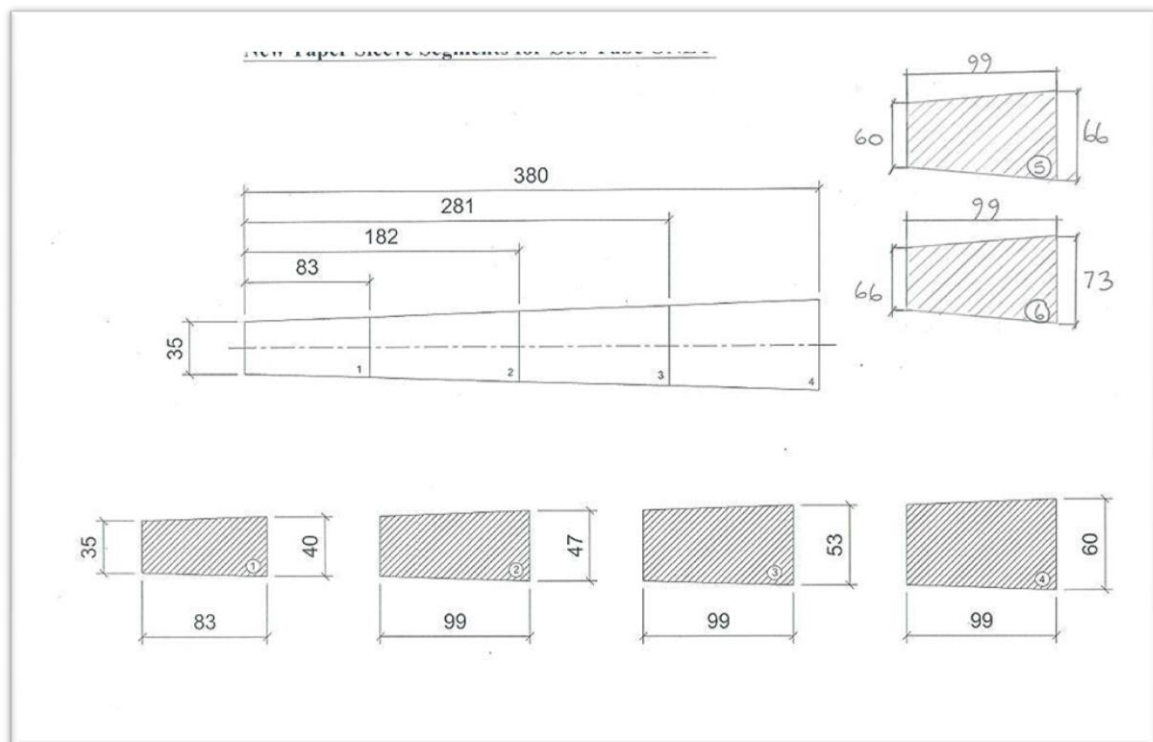


DIAGRAM OF TAPER SEGMENTS FOR 38.1 MM DIAMETER TUBE

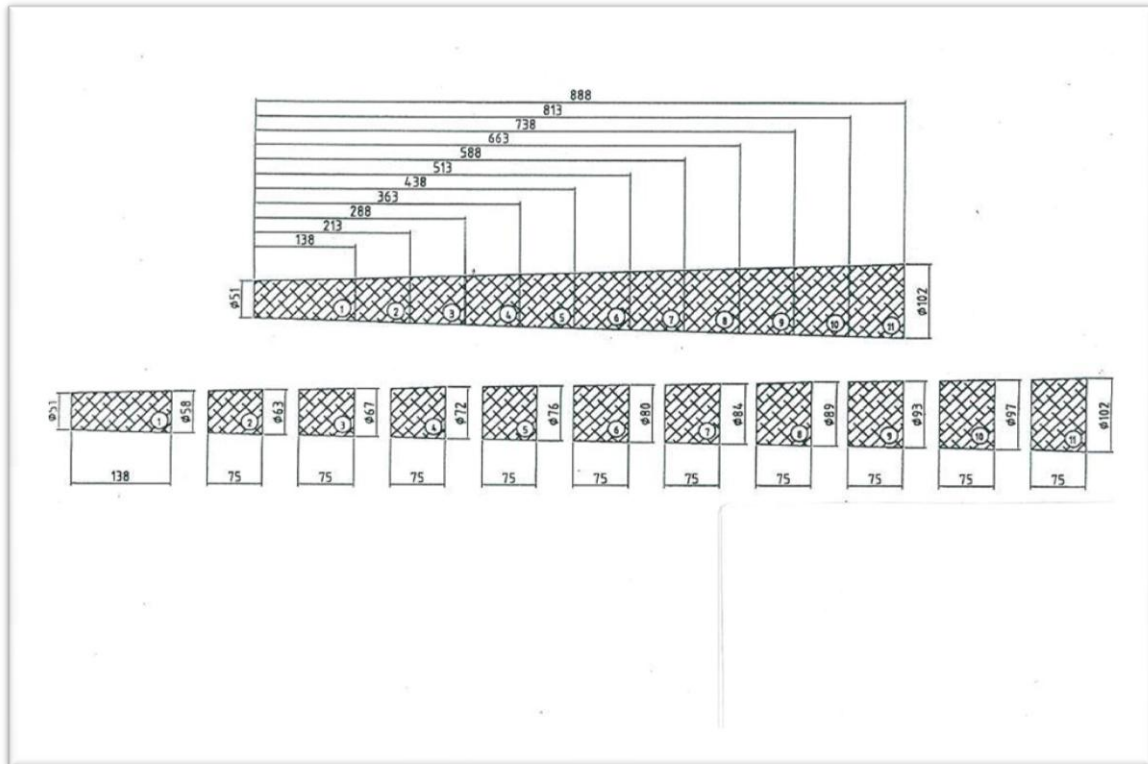
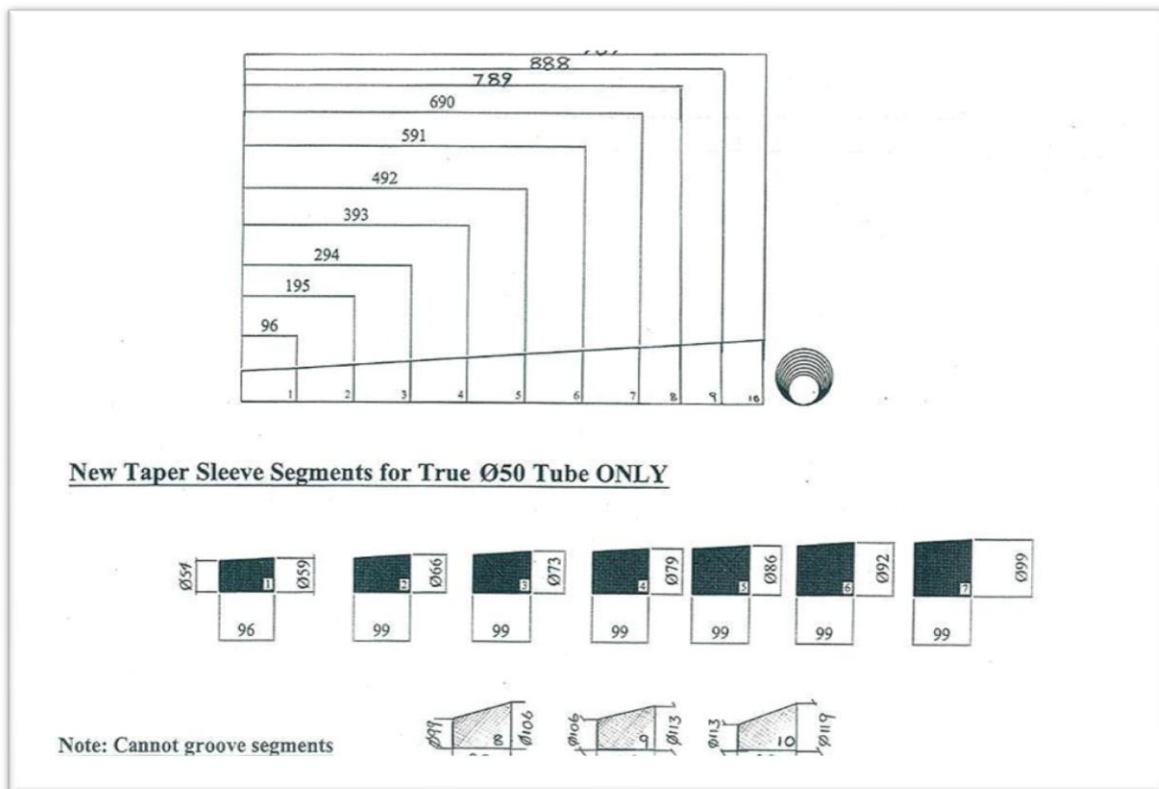


DIAGRAM OF TAPER SEGMENTS FOR 50 MM DIAMETER TUBE



RBC50 GROOVED LINESHAFT ROLLERS

Roll Ezy RBC50 Grooved Rollers are manufactured using quality RBC50 plastic moulded end caps assembled with free rolling caged bearing inserts offering load capacity up to 50 kilos. They provide low noise operation and are suitable for use in powered roller conveyors and are also used extensively in lineshaft conveyors.



Rollers are supplied in 2" diameter x 16 swg and 50 mm diameter x 1.5 wall tube with an 11 hex mild steel, double spring loaded spindle and grooved to suit a 4.5 mm diameter drive/slave band.

FEATURES

- Low noise
- Low cost

SPECIFICATIONS

Specification	Shaft	Bearing	Finish
2" diameter x 16 swg, 50 mm diameter x 1.5 mm	10 mm diameter, 11 hex	RBC50 semi- precision plastic swaged	Mild steel, bright zinc plate, stainless steel
2" diameter x 14 swg	8, 10, 7/16", 12 mm diameter, 8 hex, 11 hex	Semi-precision steel swaged	Mild steel, bright zinc plate
2" diameter x 14 swg	8, 10, 7/16", 12, 14, 15 mm diameter, 8 hex, 11 hex	Precision steel swaged	Mild steel, bright zinc plate

OTHER GROOVED ROLLER OPTIONS AVAILABLE

Tube	Shaft	Bearing	Finish
35 mm diameter x 1.5 mm	8 mm diameter, 8 mm hex	Semi-precision plastic swaged	Mild steel, bright zinc plate
1 1/2" x 16 swg	8, 10, 7/16", 12 mm diameter, 11 hex	Semi-precision steel swaged	Mild steel, bright zinc plate
1 1/2" x 16 swg	10, 12 mm diameter, 11 hex	Semi-precision stainless steel	Stainless steel
1 1/2" x 16 swg	8, 10, 7/16", 12, 15 mm diameter, 8 hex, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
1 1/2" x 16 swg	12, 14 mm diameter, 11 hex	Precision plastic push in	Mild steel, bright zinc plate, stainless steel
40 mm diameter x 1.5 mm	8, 10, 7/16", 12 mm diameter, 11 hex	Semi-precision steel swaged	Mild steel, bright zinc plate
50 mm diameter x 1.5 mm	10, 12, 14, 15 mm diameter, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
2" x 16 swg	10, 12, 14, 15 mm diameter, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
2" x 14 swg	10, 12, 14, 15 mm diameter, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
2 1/4" x 14 swg	10, 7/16", 12 mm diameter, 11 hex	Semi-precision steel swaged	Mild steel, bright zinc plate

60 mm diameter x 2 mm	8, 10, 7/16" 12 mm diameter, 11 hex	Semi-precision steel swaged	Mild steel, bright zinc plate
60 mm diameter x 2 mm	10, 7/16" 12, 14, 15 mm diameter, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
80 mm diameter x 2 mm	3/4", 20 mm diameter, 11 hex	Precision steel swaged	Mild steel, bright zinc plate
80 mm diameter x 2 mm	3/4", 20 mm diameter, 11 hex	Precision 62052RS in plastic swaged housing	Mild steel, bright zinc plate

PVC SLEEVE ROLLERS

Roll Ezy PVC Sleeve Rollers are supplied using PVC sleeve that slides over a roller and is heated with a heat gun for a perfect smooth fit with a wall thickness of 1.2 mm after heating.



FEATURES

- The PVC sleeve reduces noise and vibration.
- Low in cost.
- The PVC sleeve protects the surface of the product during handling and production, for example, glass, wood and fine finishes are protected from damage which could be caused by bare metal rollers.

SPECIFICATIONS

Standard colours for PVC rollers are black, red, blue and yellow and sleeves can be made to cover most tube diameters. We can offer white or clear PVC sleeves, dependent upon availability.

RUBBER COVERED ROLLERS

Roll Ezy Rubber Covered Rollers are supplied using natural extruded rubber sleeving that slides over a roller and which is then trimmed and super-glued at each end.



FEATURES

- Low cost.
- The rubber cover reduces noise and vibration.
- Rubber covered rollers protect the surface of a product during handling and production, for example, glass, wood and fine finishes, from damage which could be caused by bare metal rollers.

SPECIFICATIONS

Rubber Type	Outer/Inner Diameter	Shore Hardness
Natural Black	50.8 mm I/D x 57 mm O/D	66 - 75 shore hardness
Natural Black	57 mm I/D x 63 mm O/D	66 - 75 shore hardness
Natural Grey	57 mm I/D x 63 mm O/D	66 - 75 shore hardness

TUBE, SHAFT AND BEARING OPTIONS

Tube	Shaft Options	Bearing
2" x 16 swg	8, 10, 7/16", 12 mm diameter, 8 hex, 11 hex	Semi-precision steel swaged
2" x 16 swg	8, 10, 7/16", 12, 14, 15 mm diameter, 8 hex, 11 hex	Precision steel swaged
2" x 14 swg	8, 10, 7/16", 12, 14, 15 mm diameter, 8 hex, 11 hex	Precision steel swaged
2" x 10 swg	8, 10, 7/16", 12, 14, 15 mm diameter, 8 hex, 11 hex	Precision steel swaged
2 1/4" x 14 swg	10, 7/16", 12 mm diameter, 11 hex	Semi-precision steel swaged

WELDED PRECISION ROLLERS

Roll Ezy Welded Precision Rollers are used in bulk handling for high load capacity. Welded retained bearings have seals on both inner and outer of the bearing and protect the precision bearing against dust, rain, mud, dirt etc.



FEATURES

- Welded precision rollers are used in troughing sets
- They are suitable for heavy duty environments
- They can be used in areas which dirty and dusty and the bearing will be protected

SPECIFICATIONS

Tube	Shaft Sizes Available
2 1/2" diameter x 3 mm	20 mm & 25 mm
3" diameter x 3 mm	20 mm & 25 mm
3 1/2" diameter x 10 swg	20 mm & 25 mm
4" diameter x 10 swg	20 mm & 25 mm
5" diameter x 10 swg	20 mm & 25 mm

Rollers are supplied with a drilled and tapped spindle, but the following alternatives are available:

- Flatted, D-flat or inset
- Male threaded ends
- Cross drilled
- Fixed
- Loose
- Spring loaded

STEEL SPROCKET ROLLERS

Roll Ezy Steel Sprocket Rollers are fitted with steel simple or double simple sprockets and they are used in chain driven conveyor systems. The drive element is welded onto the tube and fitted with precision bearings. Our standard sprocket we have in stock is 15T x 5/8" pitch double simple.



We can manufacture other steel sprockets made to order, but we require a detailed drawing on enquiry and these products will have a longer lead time.

FEATURES

Roll Ezy steel sprocket rollers are fitted with:

- 15T x 5/8" pitch double simple pinions to suit 3" x 3 mm wall tubes
- 20 mm diameter spindles with drilled and tapped ends
- Fitted with precision bearings

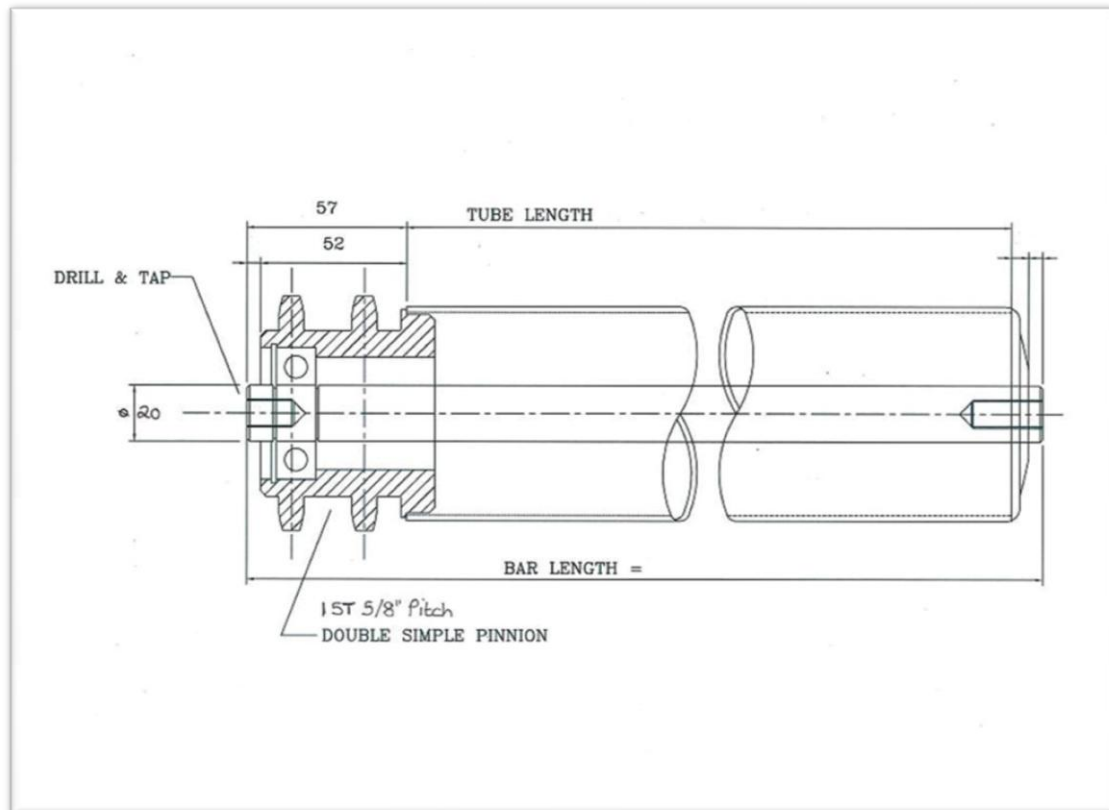
OPTIONS

- Mild steel
- Bright Zinc Plate
- Stainless steel

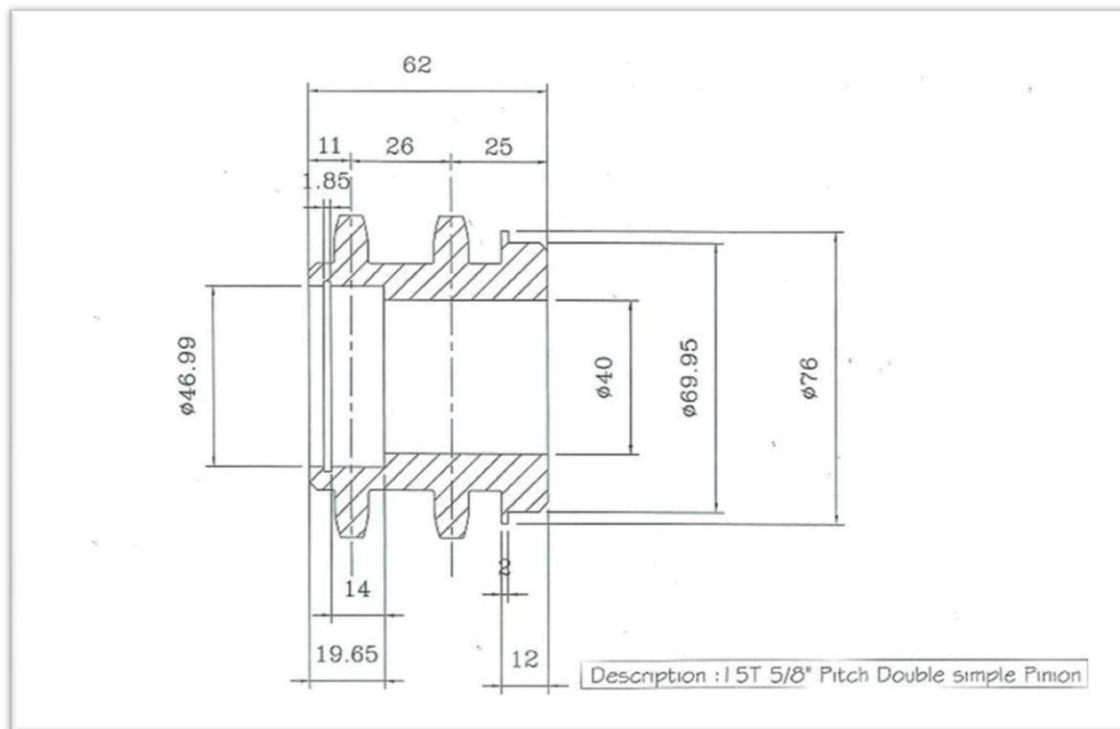
SPECIFICATIONS

Specification	Tube	Shaft	Bearing
15T x 5/8" pitch double simple, complete with 62042RS	3" x 3 mm	20 mm diameter	62052RS in black plastic swaged housing / steel swaged precision

15T 5/8" DOUBLE SIMPLE SPROCKET DIAGRAM



15T 5/8" DOUBLE SIMPLE SPROCKET DETAILED DIAGRAM



PLASTIC FRICTION & FIXED DRIVE SPROCKET ROLLERS

Roll Ezy Plastic Friction and Fixed Drive Sprocket Rollers, are suitable for use in chain driven friction or positive drive roller conveyors with either a tangential or roller-to-roller drive arrangement. They can convey and accumulate by friction coupling between the drive element and the friction housing in the tube.



FEATURES

- They are easy to change from accumulating roller to fixed drive
- They are suitable for low-noise environments
- They are low cost
- Ideal for use with totes, cartons, tyres, pallets etc

SPECIFICATIONS

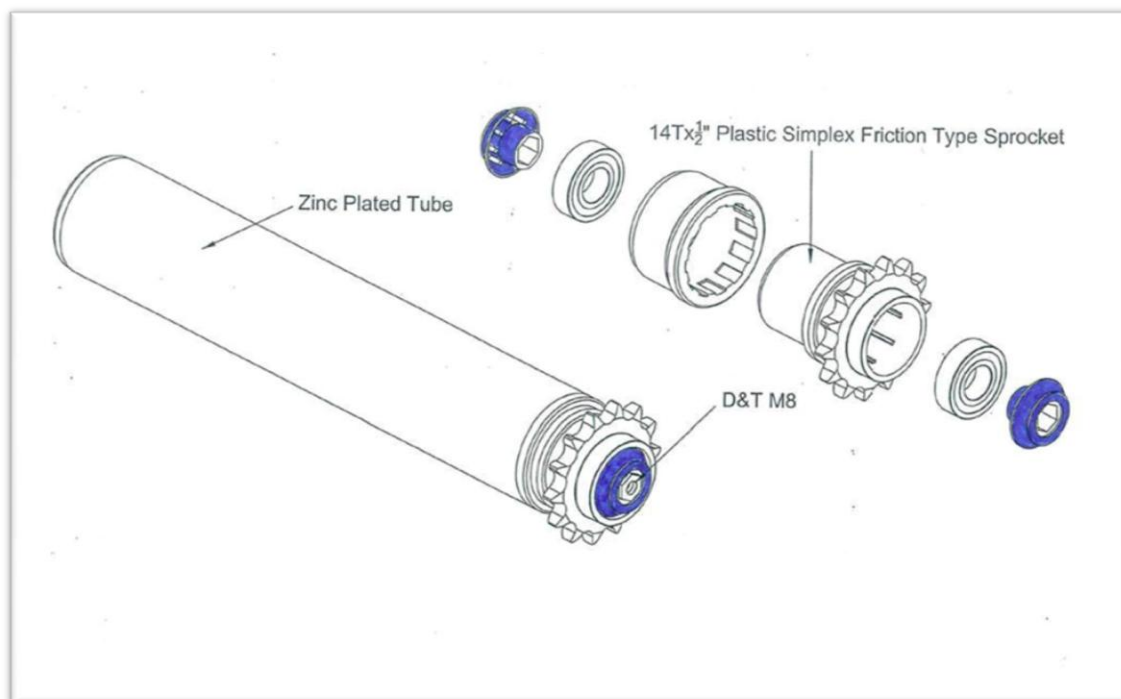
Details	Shaft Sizes Available
11T x 1/2" pitch simple friction or fixed drive	14 mm diameter
14T x 1/2" pitch simple friction or fixed drive	12, 14, 15 mm diameter & 11 hex
14T x 1/2" pitch double simple friction or fixed drive	12, 14, 15 mm diameter & 11 hex

TUBE

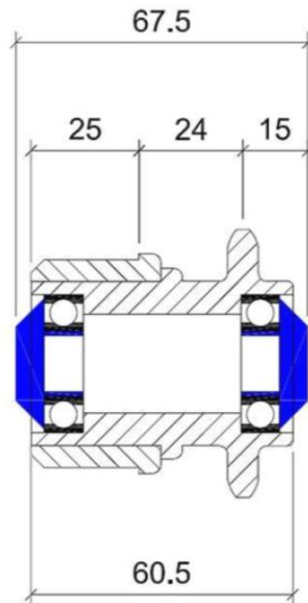
The tube is 2" diameter x 1.5 mm wall

Options	Bearings in Sprocket
Mild steel, bright zinc plate or stainless steel	60022RS in mild steel or stainless steel, complete with blue plastic moulded end caps

PLASTIC SPROCKET ASSEMBLY

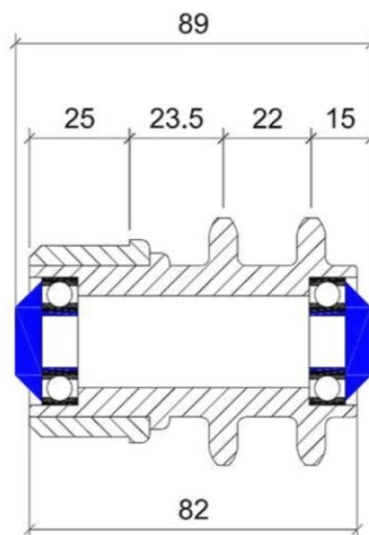


14T SIMPLE PLASTIC SPROCKET



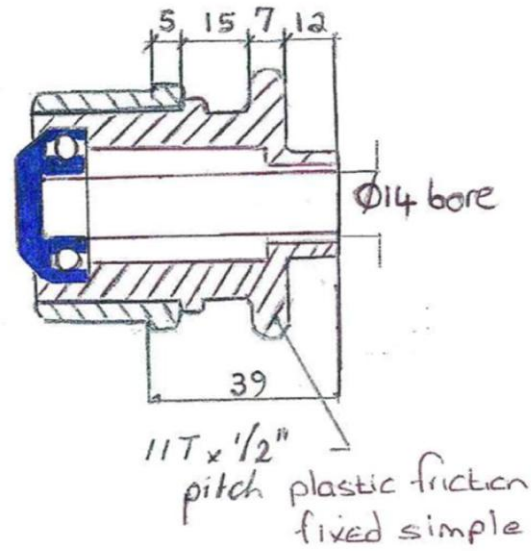
14T 1/2" Simple Plastic Friction / Fixed Sprocket

14T DOUBLE SIMPLE PLASTIC SPROCKET



14T 1/2" Double Simple Plastic Friction / Fixed Sprocket

11T PLASTIC SPROCKET



PLASTIC CONVEYOR ROLLERS

Roll Ezy Plastic Rollers, which are grey UPVC, are supplied with moulded polyamid/acetal semi-precision push-in bearings for use in most gravity roller applications requiring roller capacities up to 30 kilos.



FEATURES

Plastic Rollers have many advantages compared to steel:

- They are easy cleaning
- They are resistant to corrosion
- They are light-weight
- They can be used in humid and wash-down conditions
- They are a low-cost alternative to stainless steel rollers

SPECIFICATIONS

Grey UPVC Tube	Shaft Sizes Available
20 mm x 1.55 mm wall	5 mm diameter in 303 stainless steel
30 mm x 1.75 mm wall	8 mm, 10 mm, 12 mm and 11 hex *
40 mm x 2.50 mm wall	8 mm, 10 mm, 12 mm and 11 hex *
50 mm x 2.80 mm wall	8 mm, 10 mm, 12 mm and 11 hex *

* These shaft sizes are available in 303 stainless steel or mild steel.

Rollers are supplied with a double spring loaded spindle, but the following alternatives are available:

- Drilled and tapped ends
- Male threaded ends
- Ends drilled for wire
- Fixed shaft
- Loose shaft

STAINLESS STEEL CONVEYOR ROLLERS

Roll Ezy Stainless Steel Rollers, are supplied in 304 grade stainless tube and 303 grade stainless spindles. Stainless Steel rollers are perfect for use in the food and pharmaceutical industries and wherever rollers are required to run in damp or wet conditions. Stainless Steel rollers can be supplied with semi-precision and precision bearing options.



FEATURES

Stainless Steel Rollers have many advantages compared to steel:

- They are easy cleaning
- They are resistant to corrosion
- They can be used in humid and wash-down conditions

SPECIFICATIONS

Stainless Tube	Shaft Sizes Available	Bearing
1 inch x 18 swg	8 mm diameter	Semi-precision plastic push in
1.5 inch x 16 swg	10 mm, 12 mm diameter & 11 hex	Semi-precision
1.5 inch x 16 swg	12 mm, 14 mm & 15 mm diameter & 11 hex	SS60022RS precision in plastic push in
2 inch x 16 swg	12 mm, 14 mm & 15 mm diameter & 11 hex	SS60022RS precision in plastic swaged
3 inch x 3 mm	20 mm diameter	SS60052RS precision in plastic swaged

1.5 inch and 2 inch diameter stainless tubes can be supplied with round belt drive grooves and they are also available in 316 Stainless Steel.

Rollers are supplied with a spring loaded spindle, but the following alternatives are available:

- Drilled and tapped ends
- Male threaded ends
- Ends drilled for wire
- Fixed shaft
- Loose shaft

WE STOCK COMPONENTS FOR CONVEYORS

Roll Ezy stocks the following components for roller conveyors:

- Drive Bands
- Slave Bands
- Spools

BANDS AND SPOOLS

Lineshaft Spool

Lineshaft spool is blue plastic and designed for 25 mm diameter shafts to transfer power to drive bands.

Bands

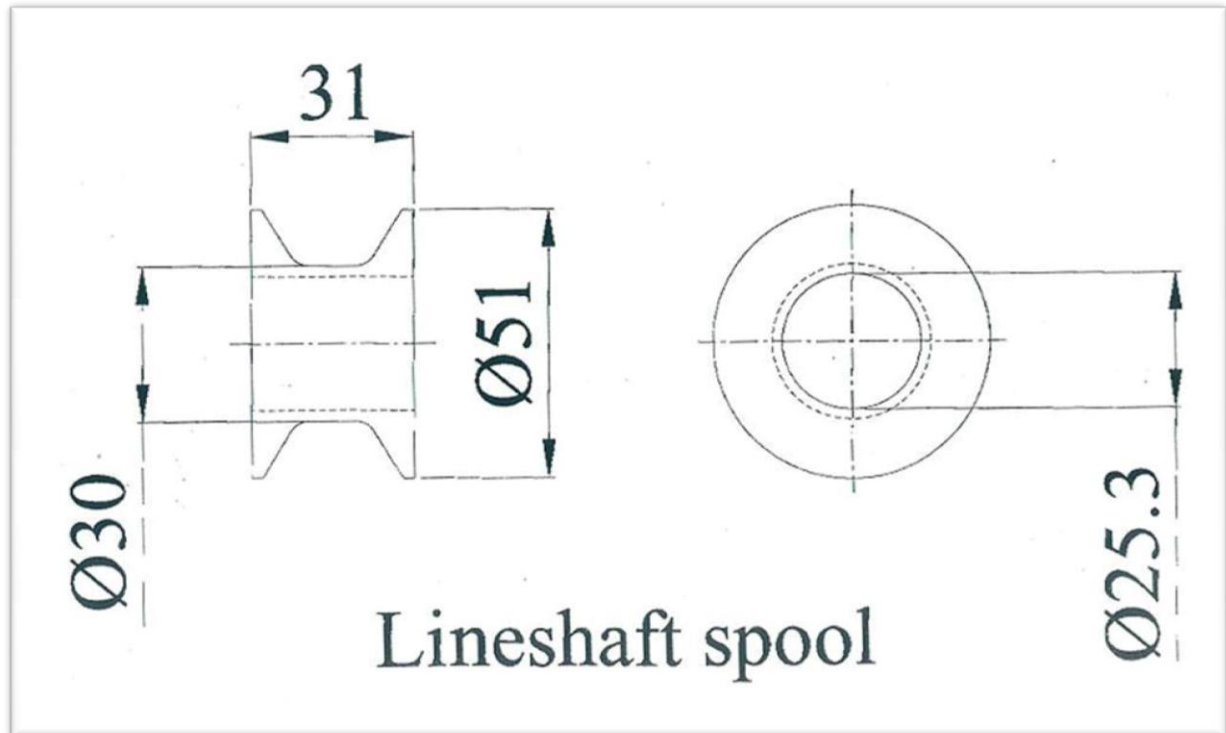
- Bands, which are 4.5 mm in diameter, are designed for use with lineshaft driven conveyors.
- Slave Bands - 75 mm to 100 mm pitch and endless length 250 mm
- Drive Bands - 121 mm centres, from the centre of the driveshaft to the centre of the roller - endless length 330 mm

Speed up spools are available. These increase the diameter of 25 mm shafts to increase roller speed. They are ideal for creating a gap between two products.

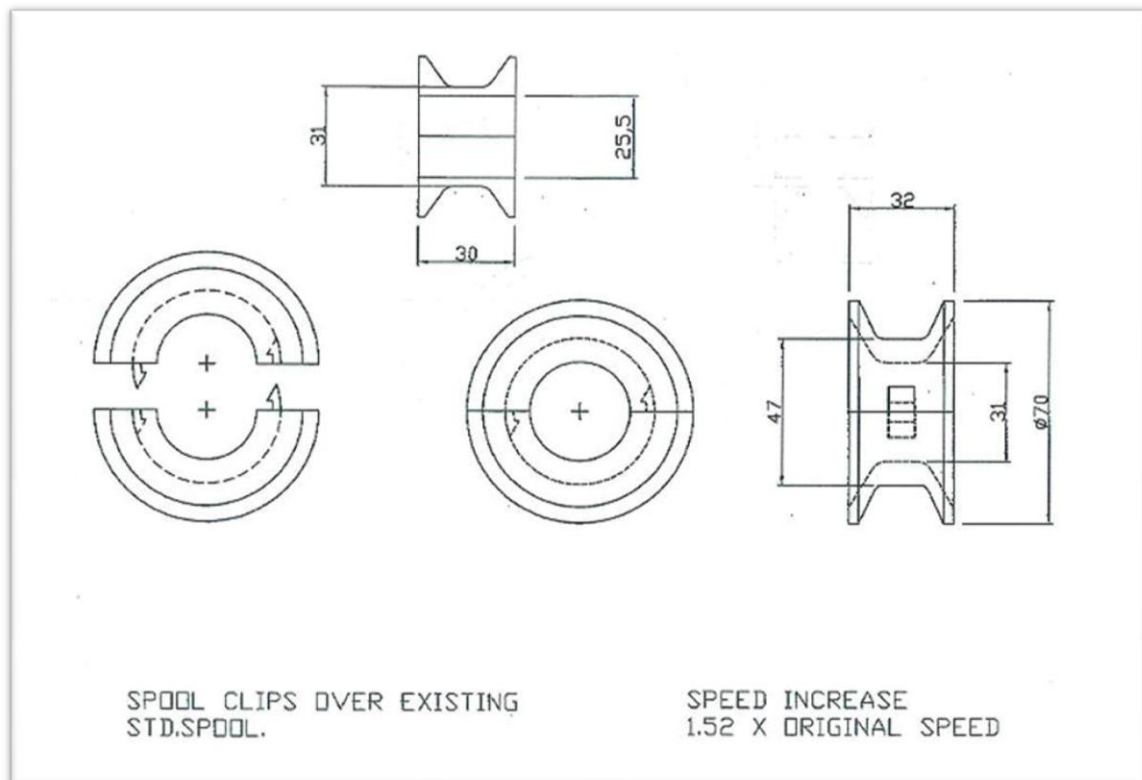
HOW TO PURCHASE

Please contact us or call us on 01925 759554 for details of prices and availability.

LINESHAFT SPOOL DIAGRAM

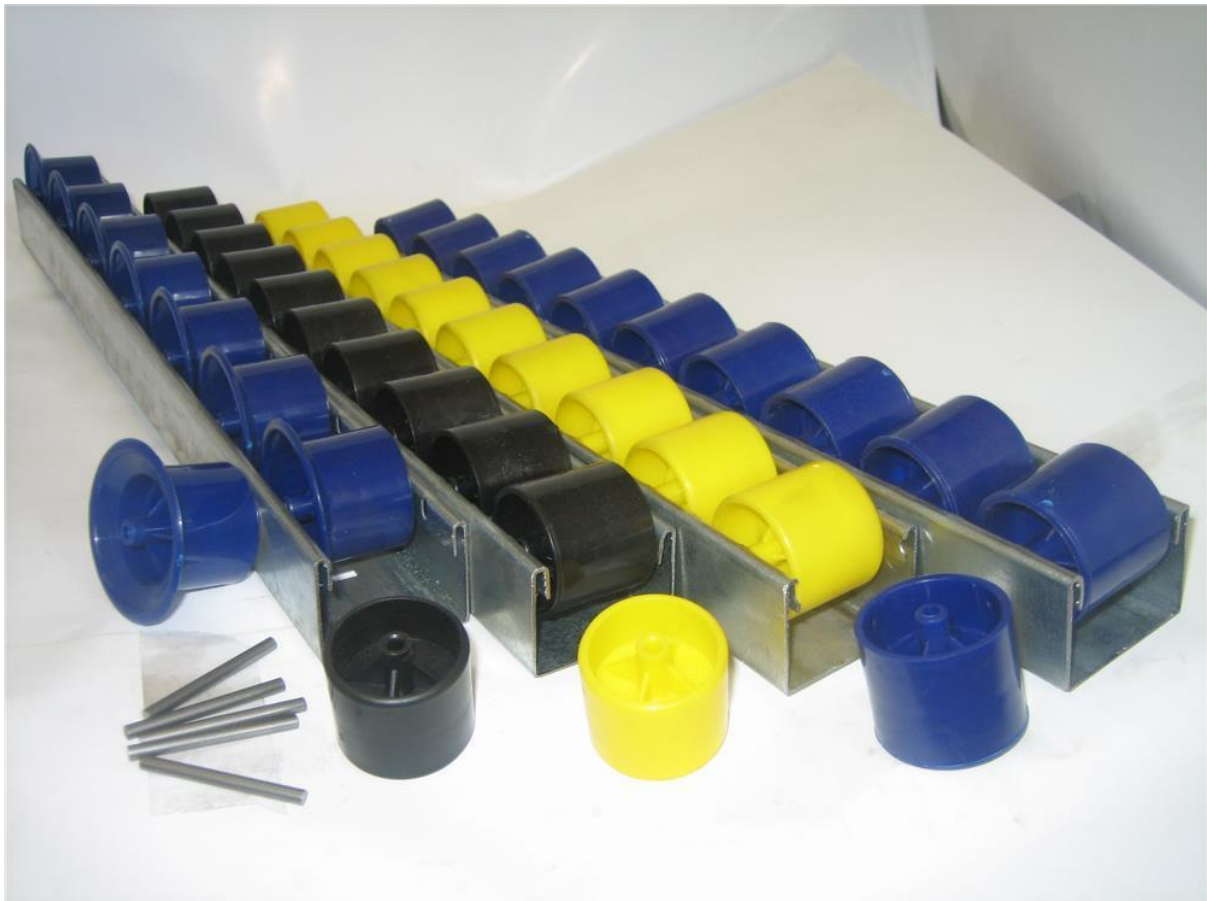


SPEED UP SPOOL DIAGRAM



EZY RAIL CHANNEL

Ezy Rail cold formed 35 mm x 26 mm x 0.7 mm galvanized, lipped channel sections are assembled with moulded polyamid 28 mm diameter plan or flanged wheels on mild steel axles at increments of 16.67 mm pitch, with load capacity of up to six kilos per wheel.



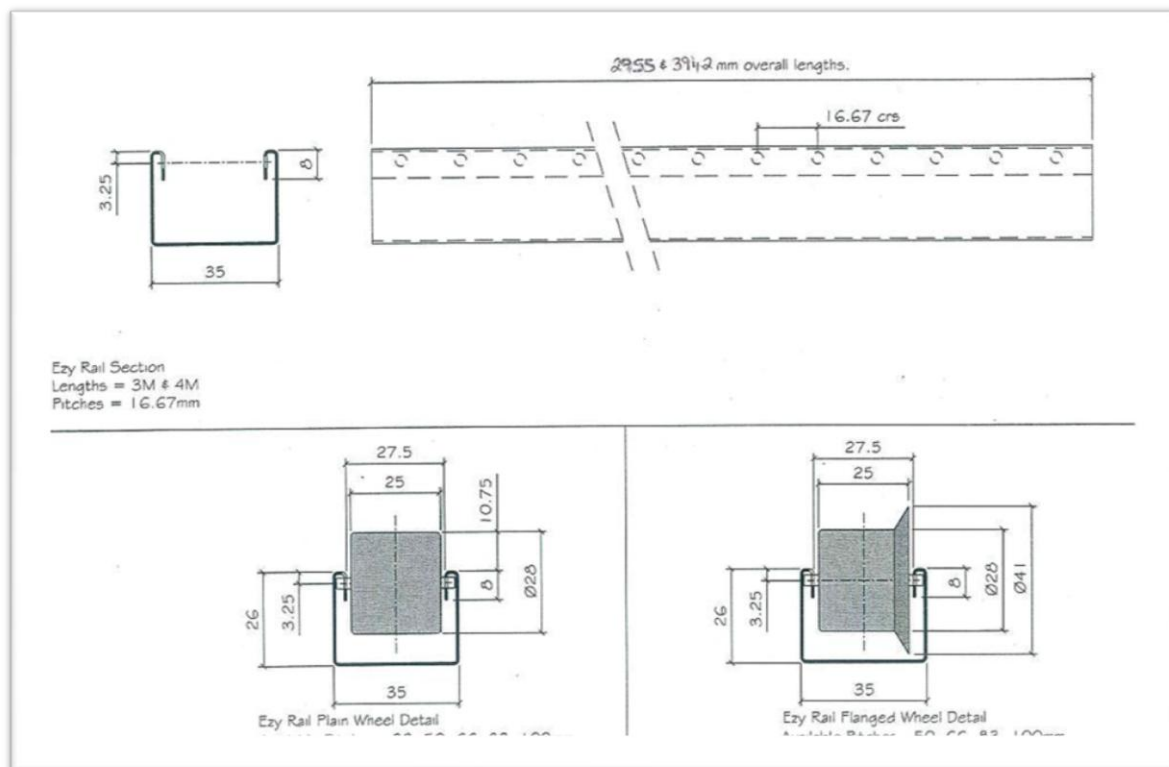
FEATURES

- Ezy Rail is used extensively in carton flow, live storage and order picking racks.
- Available track lengths are 2955 mm and 3942 mm (any length inbetween incurs a cutting and wastage charge).

SPECIFICATIONS

Wheel Options	Colours Available	Pitch
Plain wheel option	Black, blue and yellow	33 mm, 50 mm, 66 mm, 83 mm, 100mm
Flanged wheel option	Blue	50 mm, 66 mm, 83 mm, 100 mm

EZY RAIL TRACK DIAGRAM



COLLI ROLLER TRACKS

Roll Ezy Colli Roller Track is 50 mm in diameter and can be plain or flanged for high impact. The moulded black polyamide rollers are fitted with a plain nylon grey bush mounted on a M8 x 80 long hexagon head bolt and M8 nyloc nut in a 71 mm x 49.5 mm x 2.5 mm galvanised steel channel section. The track length is 2990 mm complete with 114 pitches at 26 mm increments. The track has a load capacity of 40 kilos per colli roll.



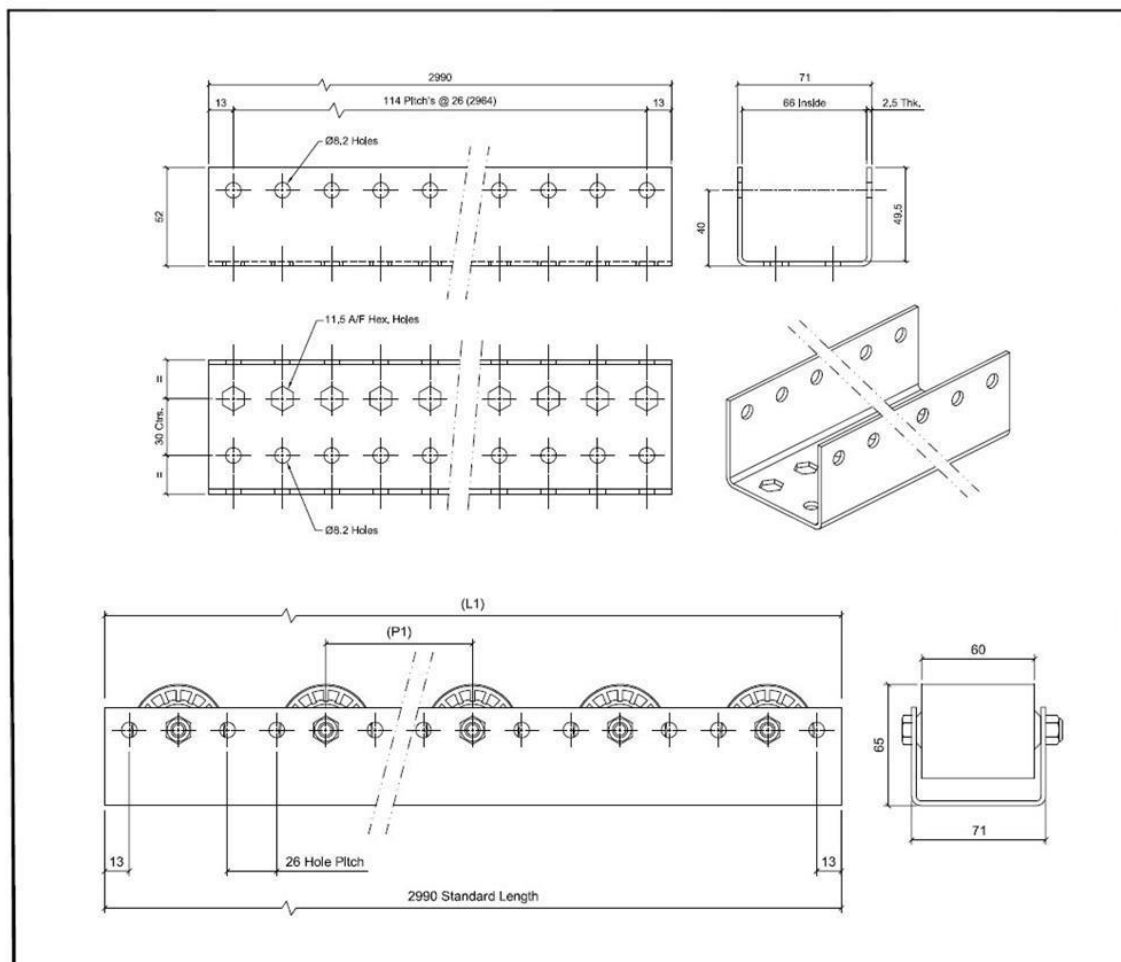
PITCH OPTIONS

- 52 mm
- 78 mm
- 104 mm
- 130 mm
- 156 mm
- 182 mm
- 208 mm

FEATURES

- The Colli Roller Track can be cut into shorter lengths (any length between incurs a cutting and wastage charge).
- There is the option to have precision bearings.
- End stops are available.

COLLI ROLLER TRACK DIAGRAM



SKATE WHEEL TRACK

Roll Ezy Skate wheel track is manufactured in a u-shaped 2.0 mm galvanised, mild steel channel.



FEATURES

- Track dimensions are height 43 mm, width 28 mm and length 3000 mm, complete with 8.5 diameter holes at a pitch of 25 mm.
- The track can be fitted with either 48 mm diameter steel or plastic skate wheels and are retained using an M8 x 40 long bright zinc plate bolt and nyloc.

PITCH OPTIONS

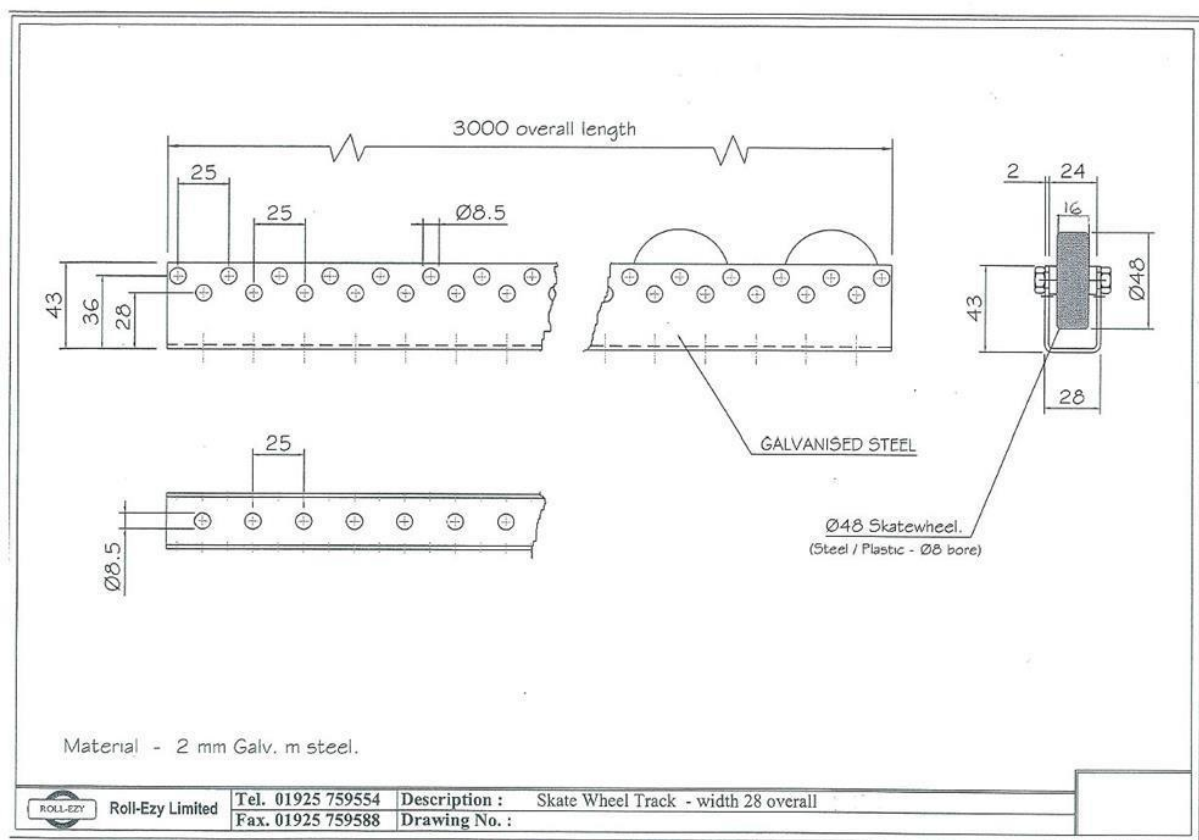
- 50 mm, 75 mm, 100 mm, 125 mm, 150 mm
- Track can be cut to shorter lengths, however, this will incur a cutting and wastage charge.

USES FOR SKATE WHEEL TRACK

Skate wheel track are used in all areas of material handling from:

- Live storage track
- Guide rails
- Packaging machines

SKATE WHEEL TRACK DIAGRAM



PALLET TRACKS

FOR LIVE STORAGE SYSTEMS

Roll Ezy Pallet Track is manufactured in a u-shaped 2.0 mm galvanised mild steel channel.



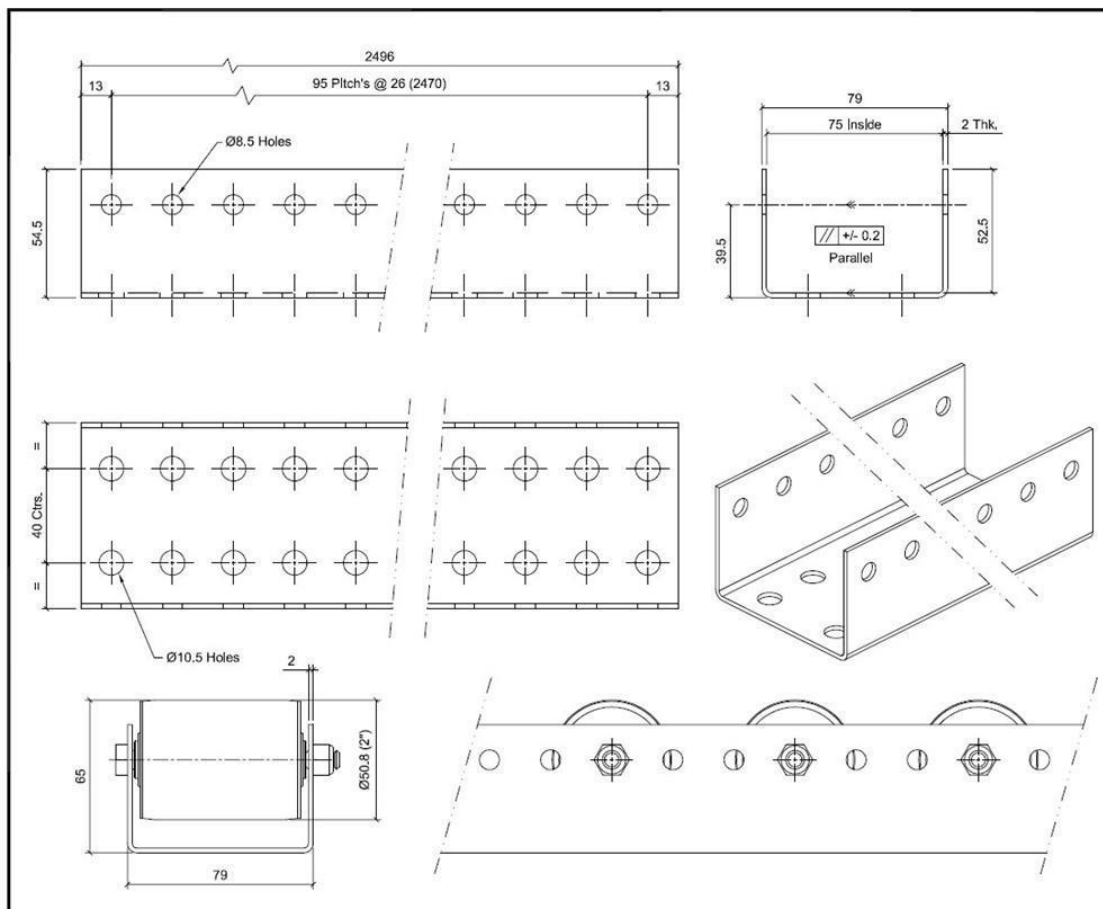
FEATURES

- Track dimensions are height 55 mm, width 80 mm and length 2496 mm, complete with 95 pitches at 26 mm.
- The tracks are fitted with 2" diameter x 1.5 mm mild steel bright zinc plate rollers and fitted in the track with an M8 x 90 long bolt and nyloc.
- Pallets can be conveyed across or along pallet track. The rollers must have a 52 mm pitch when the pallets are conveyed crosswise. Dependent on the weight of the pallet, two or three tracks with a roller pitch of a minimum of 104 mm are used when the pallet is conveyed lengthwise.

PITCH OPTIONS

- 52 mm, 78 mm, 104 mm, 130 mm, 156 mm, 182 mm, 208 mm
- Track can be cut to shorter lengths, however, this will incur a cutting and wastage charge.
- End stops are available

PALLET TRACK DIAGRAM



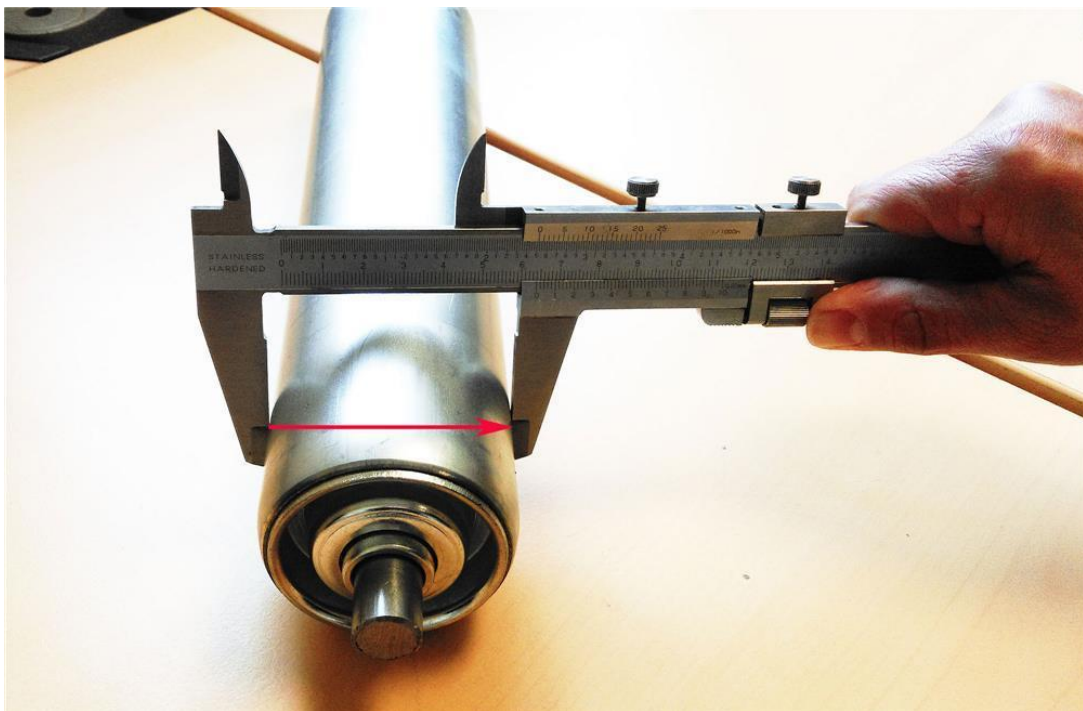
HOW TO MEASURE A ROLLER

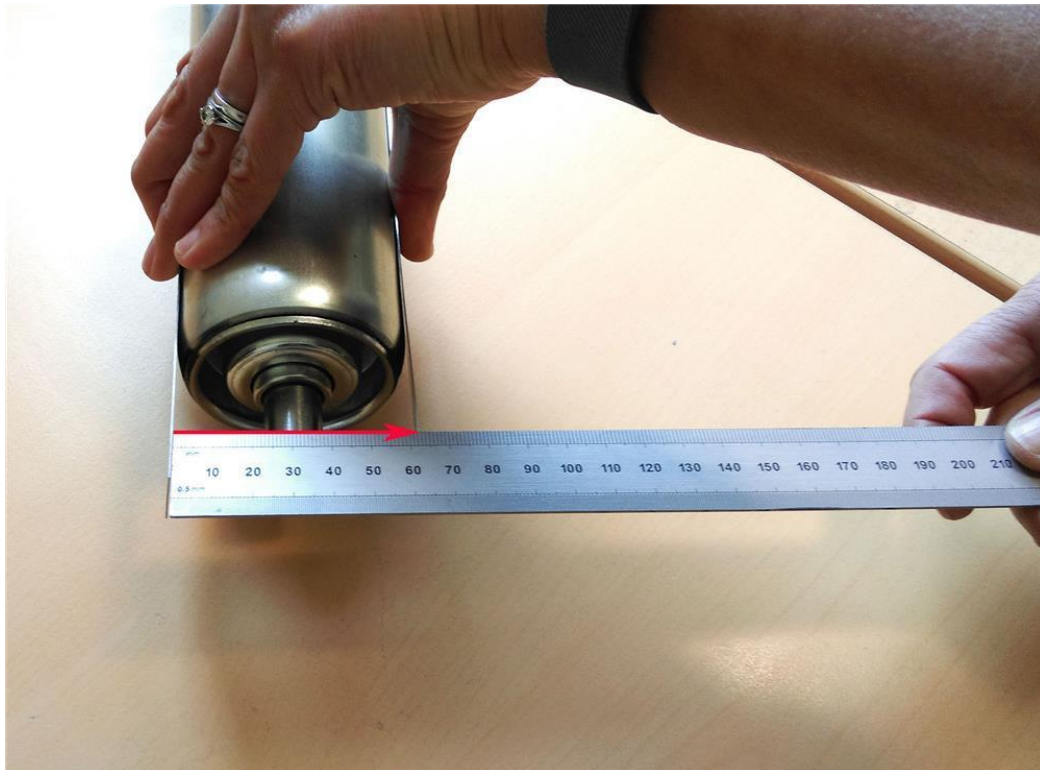
You may need to replace a roller for your conveyor system and Roll Ezy can manufacture and replace bespoke rollers for your system. It is very important that the measurements supplied are correct as our quotation for the work and also the actual rollers themselves will be based upon the measurements provided (unless you can provide one of the actual rollers being replaced).

Below are photographs to help guide you on how to measure a roller and what measurements are required. Once you can provide these we will contact you to ask a few further questions and we can then provide you with an accurate quotation.

STEP 1: TUBE DIAMETER

This is the diameter or width of the tube and can be measured using a vernier or a set of rulers.





STEP 2: OVERBEARING

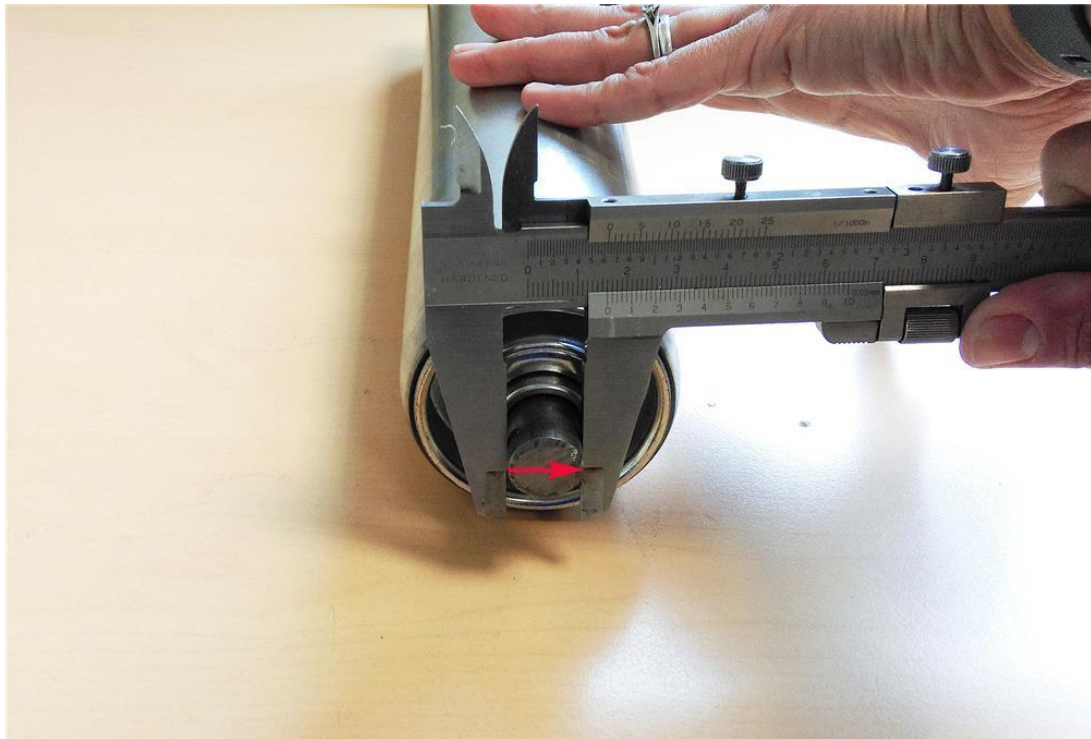
This is the length of the tube plus the bearing protrusion at each end of the tube.





STEP 3: SHAFT DIAMETER

This is the diameter or width of the shaft and this again can be measured with a vernier or ruler.



HOW DOES A ROLLER FIT IN A FRAME?

Roll Ezy offers a roller replacement service covering practically any type of special conveyor roller to suit existing installations. Our specialist team and our practical experience ensures that we can offer a bespoke roller replacement service which is competitively priced and you can be sure that all our rollers are manufactured in-house in the UK with fast turn around times.

When obtaining replacement rollers it is vital to ensure the rollers fit into the frame using the correct spindles. We can also offer advice on how to measure a roller to ensure we can supply you with replacement rollers which fit perfectly into your frame.

TYPES OF ROLLER SPINDLES

Round

Un-machined round spindles are suitable for double spring loaded rollers. In some cases the side-frames could be drilled as opposed to punched.

Hexagonal

Extruded hexagonal spindles are suitable for punched conveyor side-frames. In most cases the spindle would be spring loaded. The hexagonal shape prevents the spindle from rotating in the side frame, it also prevents the bearing inner race from rotating on the spindle.

Drilled and Tapped

Both round and hexagonal spindles can be drilled and tapped at each end to enable the roller to be bolted between the conveyor sideframes, thus increasing the rigidity of the conveyor.

Milled Flats

Round spindles with 2 milled flats are used in conveyors with slotted side frames where rollers are lowered into position. In most cases the spindle is supplied fixed within the roller.

Circlipped

External circlips can be used to captivate a spindle within a roller. This method of retention is usually found on heavy duty rollers and drums.

Threaded

Round spindles can be threaded at either end to suit a metric or imperial nut. In most cases the spindle is supplied loose.

Drilled Spindle End

'Cross drilled' spindles are supplied loose and allow several rollers to be wired together in a sideframe to prevent spindle rotation and to retain the roller.