



# MANUFACTURERS OF QUALITY CONVEYOR SYSTEMS AND COMPONENTS

**TECHNICAL CATALOGUE**  
EDITION 26.3







# INTRODUCTION

Dyno is an innovative kiwi company that has been designing, manufacturing, and supplying conveyors and components for nearly forty years. With a reputation for solving problems, we've become a trusted conveyor solutions partner for many warehouses, logistics providers, processing facilities and manufacturers throughout New Zealand and Australia.

We initially started supplying conveyors to the meat and fruit industry however it quickly became clear that standard conveyors on the market didn't suit the product being conveyed. Building on our knowledge of conveyor principles and understanding of our customers' requirements, we took it into our own hands and started designing and manufacturing conveyors ourselves. We wanted to be 100% certain that our conveyors would really work!

Over the years we have continued to innovate and adapt, staying up to date on the latest conveyor technology and practices with strong partnerships with local and global industry experts and vendors. We've become the go-to people and now provide a wide range of conveyor solutions – from small stand-alone conveyors, dispatch lines or complete automated inline conveyor systems to a wide range of industries.

No one knows conveyors quite like we do and that's why our conveyors make moving cartons, crates and pallets, simple and efficient.

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## KEY



**Max Speed**



**Max Load**

# DESIGN CONSIDERATIONS

## Details Required:

- Type of product being conveyed .....
- Length of product .....
- Width of product .....
- Height of product .....
- Weight of product .....
- Speed required ....
- Environmental conditions .....

## Rollers

A minimum of three rollers are required under the load at all times, products with uneven bases require more.

Ideal roller length is - load width + 50mm. This is a critical minimum with some types of plastic crates, but is of lesser importance with flat bottomed cartons.

Pallets usually flex under load causing only 1/3 of the rollers to carry the load, always allow for this.

Tapered rollers guarantee correct movement on bends.

Precision bearing rollers run smoothly at higher speeds for long periods but can have a greater resistance for manual movement.

### Advantages of Plastic Rollers

- Light weight
- Resistance to corrosion
- Cleanliness

### Galvanised Steel:

- Cost effective
- High load ratings
- Reduced chance of rusting

### Stainless Steel:

- Doesn't rust
- Can be washed down
- High load ratings

Temperature range of all our standard plastics is 5°C to 40°C, although they can be used down to -20°C with lowered impact resistance, or up to 60°C with reduced load. Steel construction (no plastic) rollers are best for in freezers as plastic can get brittle and break. Talk to us regarding the best options.

Dynopipe is extra special high impact resistant PVC.

## Shafts

Spring loaded shafts are the simplest design, giving quick and easy conveyor assembly and maintenance.

Male and female threaded shafts give higher load capacity and reduce vibration as they are secured direct to the conveyor frame. Female threads have the advantage of very simple conveyor assembly.

Spring loaded shafts are standard on most rollers.  
Hex shafts are most common on driven rollers.  
Large diameter rollers often have a fixed threaded shaft.

Many other options are available to special order.

## Conveyors

Pitch of rollers - minimum 3 rollers under load at all times

Inside frame width - load width + 50mm. This is a critical minimum with some types of plastic crates, but is of lesser importance with flat bottomed cartons

Stands - to calculate number required, allow 1 stand for each straight section (best placed on joint), 2 stands for each bend plus one additional stand for each complete conveyor

## Load rating minimum

Always use the lowest value.  
For example – the below roller would only have a 14kg load rating

| Roller Length | Tube Material |           | Shaft |      |       |
|---------------|---------------|-----------|-------|------|-------|
| (mm)          | Dynopipe      | Aluminium | Ø6mm  | Ø8mm | Ø10mm |
| 100           | 14            | 14        | 30    | 30   | 30    |



# ROLLER BEARINGS

**50 7 SS (Z14DF) – 12**

┌─┐ ┌─┐ ┌─┐ ┌─────────┐ ┌─┐  
1   2   3   4   5

## 1. Outside diameter of the tube in nearest mm

20 - Ø19mm - Ø20mm  
 25 - Ø25.4mm  
 30 - Ø30mm  
 32 - Ø32mm  
 38 - Ø38mm  
 42 - Ø42mm  
 48 - Ø48.3mm  
 50 - Ø50mm  
 51 - Ø50.8mm  
 60 - Ø60mm - Ø60.3mm  
 75 - Ø75mm - Ø76.3mm  
 89 - Ø89mm  
 114 - Ø114mm

## 2. Bearing Type

0 = Bushed  
 2 = Thermoplastic Race, Stainless Steel Balls  
 3c = Zinc Plated Steel with Caged Balls  
 5 = Precision Bearing, Zinc plated steel housing and bush  
 7 = Precision Bearing, Thermoplastic housing and bush

## 3. Bearing Details (optional)

SS = Stainless Steel Precision Bearing  
 T = Includes locator for tapered elements  
 A = Anti-static  
 B = Blind  
 G = Greased (extra)  
 HD = Heavy Duty  
 M = Machined  
 SE = Sealed (non precision bearings only)

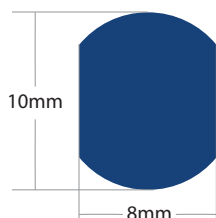
## 4. Sprocket or Pulley Details

Z = Chain Sprocket  
 ZB = Toothed Belt Sprocket  
 MV = Mini-v Pulley  
 GP = Double Groove O Band Pulley  
 14 = Number of Teeth (for sprocket / toothed belt pulley)  
 S = Single Row (for sprocket)  
 D = Double Row (for sprocket)  
 F = Fixed Drive  
 L = Loose (accumulation) Drive

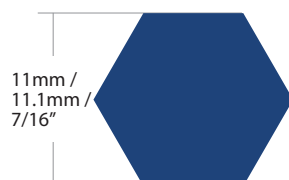
## 5. Shaft Size

6 – 6mm Round  
 8 – 8mm Round  
 10 – 10mm Round  
 12 – 12mm Round  
 16 – 16mm Round  
 19 – 19mm Round  
 20 – 20mm Round  
 Q – 10mm Round with 8mm across the flats  
 11H – 11mm Hex  
 16H – 16mm Hex  
 25 – 25mm Round (if required)

### Q / D SHAFT



### HEX SHAFT



# ROLLER CODE DESCRIPTION

**50 7 SS (Z14DF) – 12 / G – SS – SP FTM8 TPR 447/OBL 477/SL**

1 2 3 4 5 6 7 8 9 10 11 12

## 1-5. Refer to bearing part number description

### 6. Tube Material

AL = Aluminium  
D = Dyno pipe  
G = Galvanised Steel  
P = Plastic or PVC  
N = Stainless Steel  
B = Black Mild Steel

Will include wall thickness when ordering non-standard or HD wall thickness rollers e.g. G3.6 stands for Galvanised Steel with a 3.6mm wall thickness.

### 7. Shaft Material

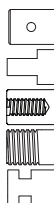
AL = Aluminium  
MS = Mild Steel  
SS = Stainless Steel  
ZP = Zinc Plated Mild Steel

### 8. Shaft Type

SP = Spring Loaded  
F = Fixed  
L = Loose  
SP/F = Spring Loaded one end, fixed other end

### 9. Shaft Extra's

DL = Cross Drilled  
FL = Flats  
FT = Female Threads  
MT = Male Threads  
SL = Slots



### 10. Roller Extra's

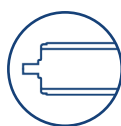
TPR = Tapered  
GR = Grooves and will include spacing from overbearing length to centre of groove  
RC = Rubber Coating

### 11. Length of Roller

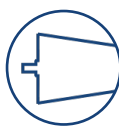
OBL = Over Bearing Length (measurement of roller from the outside of roller bearings)  
IF = Conveyor Inside Frame Width  
TL = Tube Length (excludng bearings)

### 12. Shaft Length

Standard shaft length is typically 15mm extensions each end, although longer or shorter lengths can also be accommodated.



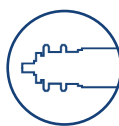
Roller  
Coating  
Options  
Available



Tapered or  
Tapered  
Elements



Grooved



Sprocket  
& Pulley  
Options

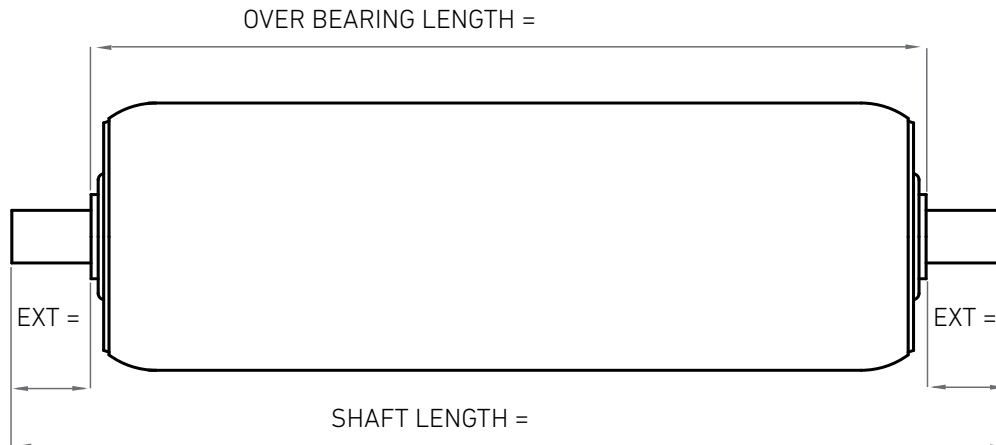
## ORDER DETAILS - ROLLERS

## Roller Specification

|               |  |                |  |
|---------------|--|----------------|--|
| Roller Series |  |                |  |
| Tube Diameter |  | Wall Thickness |  |
| Tapered       |  | Rubber Coated  |  |

## Tube Specification

|                        |  |                  |  |
|------------------------|--|------------------|--|
| PVC (Dynopipe)         |  | Aluminium        |  |
| Stainless Steel        |  | Galvanised Steel |  |
| Other (please specify) |  |                  |  |



## Bearing Type

|                                |  |
|--------------------------------|--|
| Bushed (0)                     |  |
| Plastic Race, S/S Balls (2)    |  |
| Steel, unground (3c)           |  |
| Steel, precision (5)           |  |
| Plastic Housing, precision (7) |  |

## Bearing Extras

|                      |  |
|----------------------|--|
| Blind (B)            |  |
| Greased (G)          |  |
| Sealed (SE)          |  |
| Stainless Steel (SS) |  |
| Heavy Duty (HD)      |  |

## Shaft Material

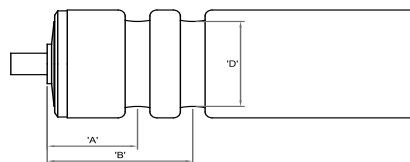
|            |  |                 |  |
|------------|--|-----------------|--|
| Mild Steel |  | Stainless Steel |  |
| Aluminium  |  | Zinc Plated     |  |

## Shaft Fixing

|               |  |          |  |
|---------------|--|----------|--|
| Spring Loaded |  | Fixed    |  |
| Loose         |  | No Shaft |  |

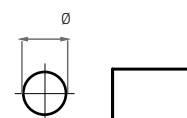
## Groove Details

|                    |  |
|--------------------|--|
| Single Groove (A)  |  |
| Double Groove (B)  |  |
| Depth (D)          |  |
| Additional Grooves |  |



## Shaft Details

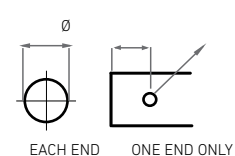
## Round



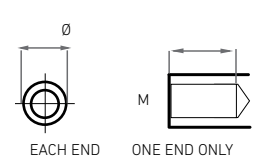
## Hex



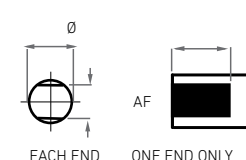
## Cross Drill



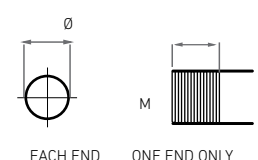
## Female Thread



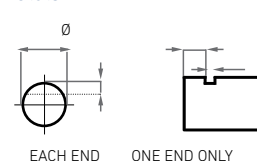
## Flats



## Male Thread



## Slots



## Sprockets &amp; Pulleys

|             |                           |                            |                        |
|-------------|---------------------------|----------------------------|------------------------|
|             | SP6 Acetal                |                            | SP10 Acetal            |
|             | Z11 Nylon Single Row      |                            | Z14S Nylon Single Row  |
|             | Z14D Nylon Double Row     |                            | ZM14D Steel Double Row |
|             | ZMW14D Weld In Double Row |                            | Mini-V                 |
|             | Tooth Belt Pulley         |                            | Band Pulley            |
| Fixed Drive |                           | Loose Drive (Accumulation) |                        |



Scan to configure your own roller!

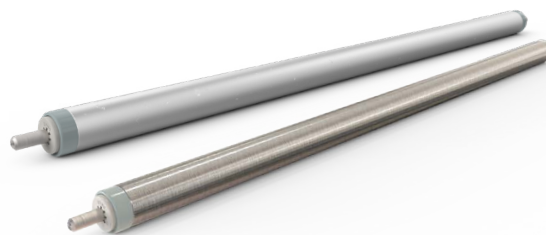
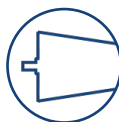


# CONVEYOR ROLLERS

## 202 - Ø20mm Gravity Conveyor Roller

### Technical Data

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Tube Materials  | Ø20 x 1.5mm Aluminium<br>Ø19 x 1.2mm Stainless Steel                      |
| Bearing Type    | Grey polypropylene inner and outer race with stainless steel caged balls  |
| Shaft Sizes     | Ø6mm or Ø8mm                                                              |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                |
| Shaft Type      | Spring Loaded, Fixed or Loose                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots |

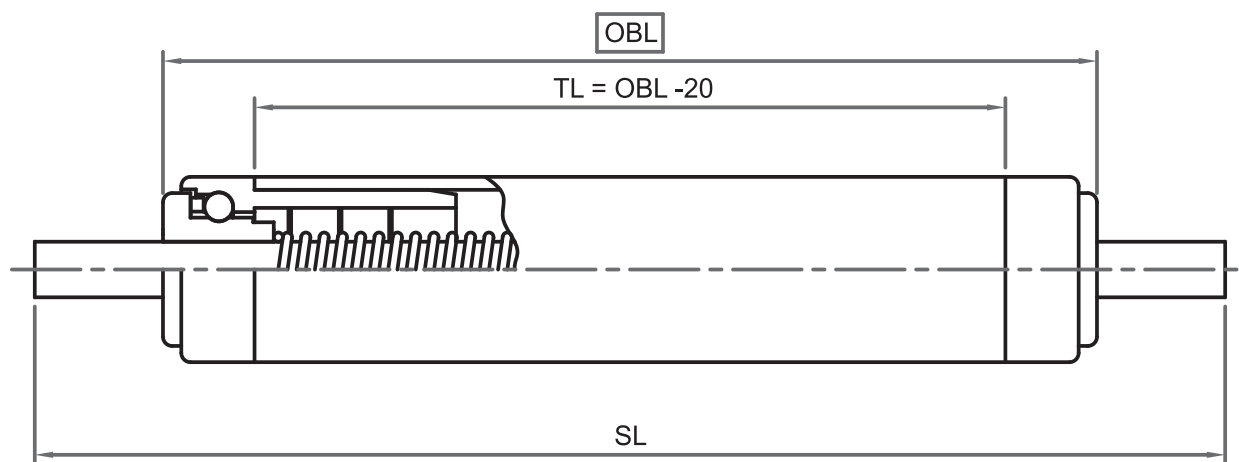


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material |           |                 | Shaft |      |
|-----------------------|---------------|-----------|-----------------|-------|------|
|                       | Dynopipe      | Aluminium | Stainless Steel | Ø6mm  | Ø8mm |
| 100                   | 9             | 9         | 9               | 9     | 9    |
| 200                   | 5             | 9         | 9               | 9     | 9    |
| 300                   | 2             | 9         | 9               | 9     | 9    |
| 400                   | 1             | 9         | 9               | 2     | 9    |
| 500                   |               | 8         | 9               | 1     | 9    |
| 600                   |               | 5         | 9               |       | 9    |
| 700                   |               | 3         | 9               |       | 9    |
| 800                   |               | 2         | 6               |       |      |
| 900                   |               | 1         | 4               |       |      |
| 1000                  |               | 1         | 3               |       |      |
| 1100                  |               | 1         | 2               |       |      |
| 1200                  |               |           | 1               |       |      |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

Scan to configure

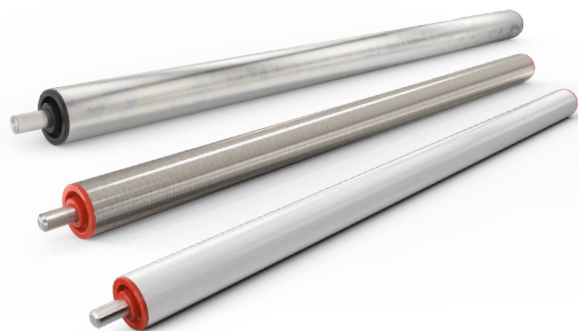


# CONVEYOR ROLLERS

## 252 - Ø25mm Gravity Conveyor Roller

### Technical Data

|                 |                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------|
| Tube Materials  | Ø25.4 x 1.5mm Galvanised Steel<br>Ø25.4 x 1.5mm Stainless Steel<br>Ø25 x 1.4mm Dynopipe (PVC) |
| Bearing Type    | Red/black acetal inner and outer race with stainless steel balls                              |
| Shaft Sizes     | Ø8mm                                                                                          |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                                    |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                                 |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots                     |

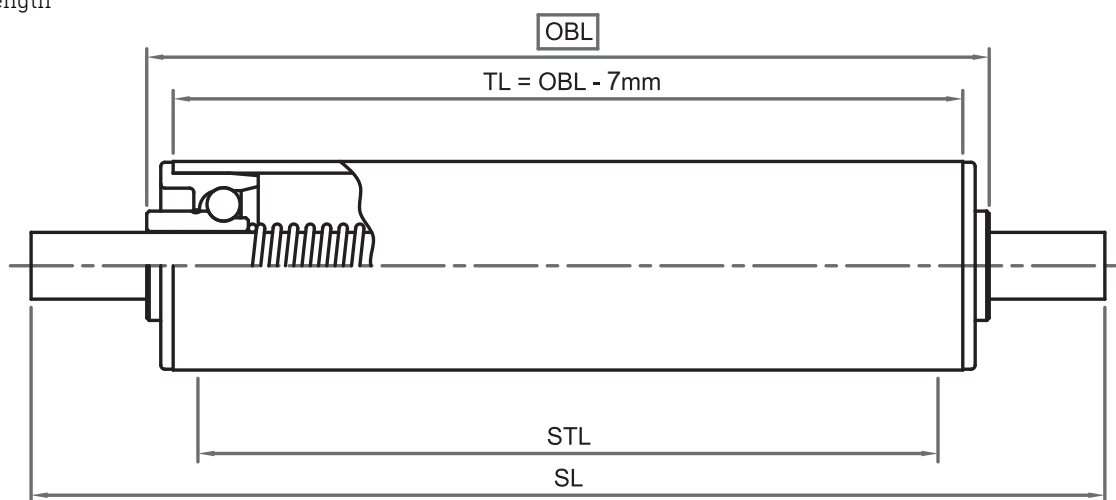


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length, width of the tube only excluding bearing housing

SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material |                               | Shaft |
|-----------------------|---------------|-------------------------------|-------|
|                       | Dynopipe      | Galvanised or Stainless Steel | Ø8mm  |
| 100                   | 15            | 15                            | 15    |
| 200                   | 8             | 15                            | 15    |
| 300                   | 4             | 15                            | 15    |
| 400                   | 1             | 15                            | 15    |
| 500                   |               | 15                            | 15    |
| 600                   |               | 12                            | 15    |
| 700                   |               | 10                            | 15    |
| 800                   |               | 8                             |       |
| 900                   |               | 6                             |       |
| 1000                  |               | 4                             |       |
| 1100                  |               | 3                             |       |
| 1200                  |               | 2                             |       |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

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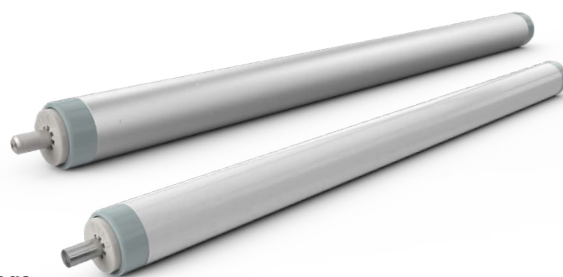
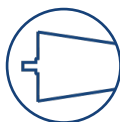


# CONVEYOR ROLLERS

## 302 - Ø30mm Gravity Conveyor Roller

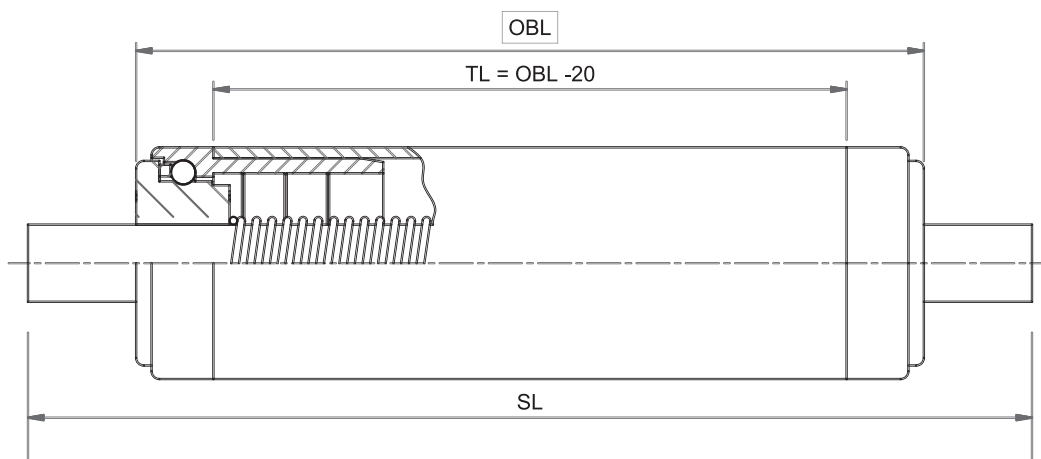
### Technical Data

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Tube Materials  | Ø30 x 1.6mm Aluminium<br>Ø30 x 1.75mm Dynopipe                            |
| Bearing Type    | Thermoplastic inner and outer race with stainless steel balls             |
| Shaft Sizes     | Ø6mm, Ø8mm or Ø10mm                                                       |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                |
| Shaft Type      | Spring Loaded, Fixed or Loose                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots |



### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
 TL = Tube Length or face width of the tube only excluding bearing housing  
 SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material |           | Shaft |      |       |
|-----------------------|---------------|-----------|-------|------|-------|
|                       | Dynopipe      | Aluminium | Ø6mm  | Ø8mm | Ø10mm |
| 100                   | 14            | 14        | 30    | 30   | 30    |
| 200                   | 14            | 14        | 30    | 30   | 30    |
| 300                   | 8             | 14        | 30    | 30   | 30    |
| 400                   | 5             | 12        | 25    | 30   | 30    |
| 500                   | 2             | 6         | 20    | 30   | 30    |
| 600                   |               | 3         | 15    | 30   | 30    |
| 700                   |               |           | 10    | 30   | 30    |
| 800                   |               |           |       | 25   | 30    |
| 900                   |               |           |       | 20   | 30    |
| 1000                  |               |           |       | 10   | 30    |
| 1100                  |               |           |       |      | 30    |
| 1200                  |               |           |       |      | 30    |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

Scan to configure

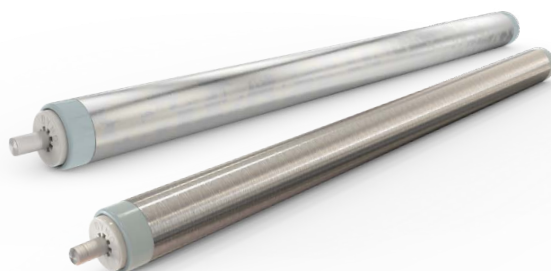


# CONVEYOR ROLLERS

## 322 - Ø32mm Gravity Conveyor Roller

### Technical Data

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Tube Materials  | Ø32 x 1.6mm Galvanised Steel<br>Ø31.8 x 1.5mm Stainless Steel             |
| Bearing Type    | Thermoplastic inner and outer race with stainless steel balls             |
| Shaft Sizes     | Ø6mm, Ø8mm or Ø10mm                                                       |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                |
| Shaft Type      | Spring Loaded, Fixed or Loose                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots |

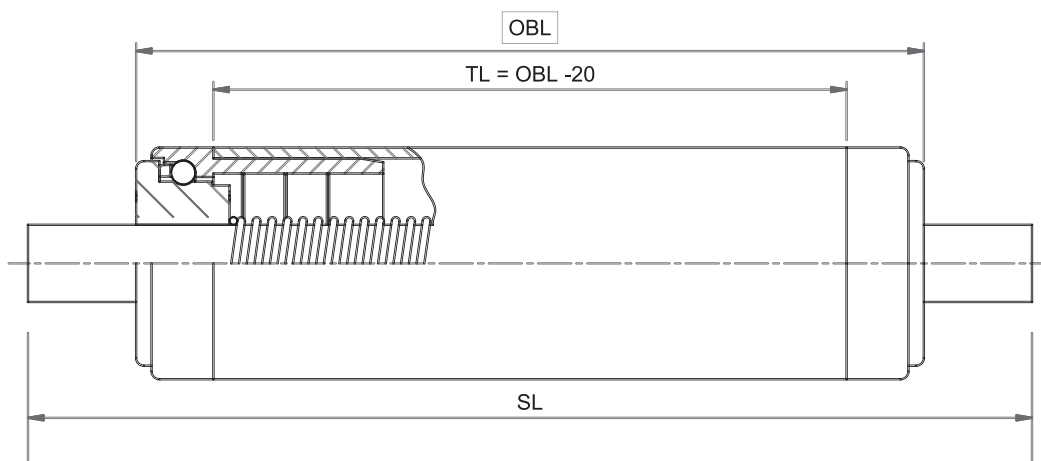


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material   |                  | Shaft |      |       |
|-----------------------|-----------------|------------------|-------|------|-------|
|                       | Stainless Steel | Galvanised Steel | Ø6mm  | Ø8mm | Ø10mm |
| 100                   | 14              | 14               | 30    | 30   | 30    |
| 200                   | 14              | 14               | 20    | 30   | 30    |
| 300                   | 14              | 14               | 10    | 30   | 30    |
| 400                   | 14              | 14               | 2     | 25   | 30    |
| 500                   | 14              | 14               | 1     | 20   | 30    |
| 600                   | 14              | 14               |       | 15   | 30    |
| 700                   | 14              | 14               |       | 10   | 30    |
| 800                   | 14              | 14               |       |      | 25    |
| 900                   | 10              | 10               |       |      | 20    |
| 1000                  | 8               | 8                |       |      | 10    |
| 1100                  | 6               | 6                |       |      |       |
| 1200                  | 4               | 4                |       |      |       |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

Scan to configure

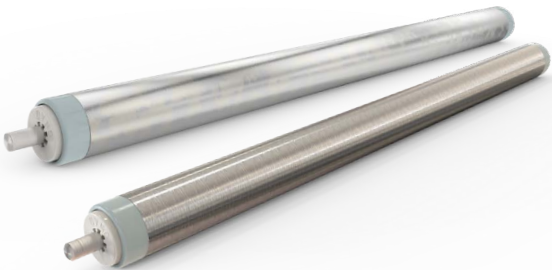
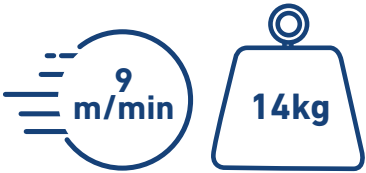




382 - Ø38mm Gravity Conveyor Roller

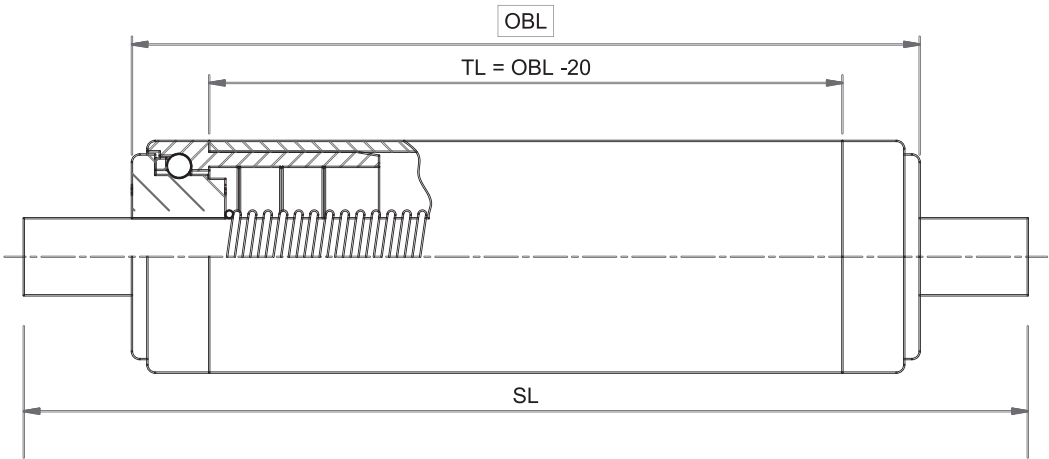
Technical Data

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Tube Materials  | Ø38 x 1.6mm Galvanised Steel<br>Ø38 x 1.5mm Stainless Steel               |
| Bearing Type    | Thermoplastic inner and outer race with stainless steel balls             |
| Shaft Sizes     | Ø8mm or Ø10mm                                                             |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                |
| Shaft Type      | Spring Loaded, Fixed or Loose                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots |



Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
TL = Tube Length or face width of the tube only excluding bearing housing  
SL = Shaft Length



Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material   |                  | Shaft |      |       |
|-----------------------|-----------------|------------------|-------|------|-------|
|                       | Stainless Steel | Galvanised Steel | Ø6mm  | Ø8mm | Ø10mm |
| 100                   | 14              | 14               | 30    | 30   | 30    |
| 200                   | 14              | 14               | 20    | 30   | 30    |
| 300                   | 14              | 14               | 10    | 30   | 30    |
| 400                   | 14              | 14               | 2     | 25   | 30    |
| 500                   | 14              | 14               | 1     | 20   | 30    |
| 600                   | 14              | 14               |       | 15   | 30    |
| 700                   | 14              | 14               |       | 10   | 30    |
| 800                   | 14              | 14               |       |      | 25    |
| 900                   | 10              | 10               |       |      | 20    |
| 1000                  | 8               | 8                |       |      | 10    |
| 1100                  | 6               | 6                |       |      |       |
| 1200                  | 4               | 4                |       |      |       |

\* Shaded sizes not recommended  
\* For central point load, reduce rating by 1/3

Scan to configure



## CONVEYOR ROLLERS

### 383C - Ø38mm Gravity Conveyor Roller

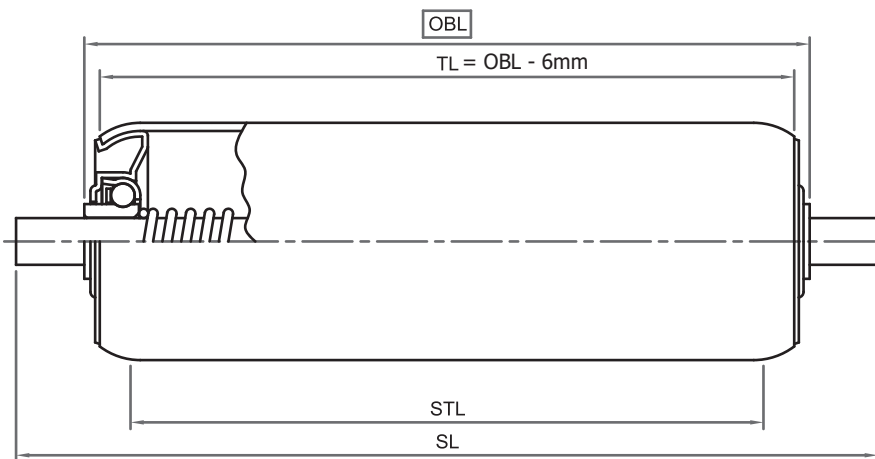
#### Technical Data

|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| Tube Materials  | Ø38 x 1.6mm Galvanised Steel                                                |
| Bearing Type    | Zinc plated steel ball bearing housing with caged balls under plastic cover |
| Shaft Sizes     | Ø8mm or Ø10mm                                                               |
| Shaft Materials | Mild Steel, Zinc Plated, Stainless Steel                                    |
| Shaft Type      | Spring Loaded, Fixed or Loose                                               |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots   |



#### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
 TL = Tube Length or face width of the tube only excluding bearing housing  
 SL = Shaft Length



#### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>Galvanised Steel | Shaft         |       |       |       |
|-----------------------|-----------------------------------|---------------|-------|-------|-------|
|                       |                                   | Spring Loaded |       | Fixed |       |
|                       |                                   | Ø8mm          | Ø10mm | Ø8mm  | Ø10mm |
| 100                   | 100                               | 100           | 100   | 100   | 100   |
| 200                   | 100                               | 80            | 100   | 80    | 100   |
| 300                   | 100                               | 40            | 90    | 80    | 100   |
| 400                   | 100                               | 30            | 80    | 80    | 100   |
| 500                   | 80                                | 20            | 70    | 80    | 100   |
| 600                   | 60                                | 15            | 60    | 80    | 100   |
| 700                   | 40                                | 10            | 50    | 80    | 100   |
| 800                   | 30                                | 5             | 40    | 70    | 100   |
| 900                   | 25                                |               | 30    | 60    | 100   |
| 1000                  | 18                                |               | 20    | 50    | 100   |
| 1100                  | 16                                |               | 10    | 40    | 80    |
| 1200                  | 10                                |               | 5     | 30    | 50    |

\* Shaded sizes not recommended  
 \* For central point load, reduce rating by 1/3

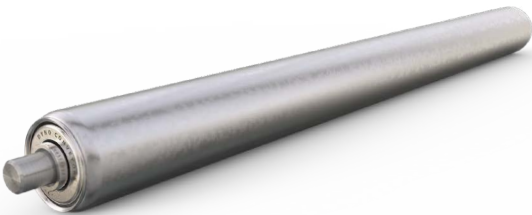
Scan to configure



385 - Ø38mm Precision Conveyor Roller

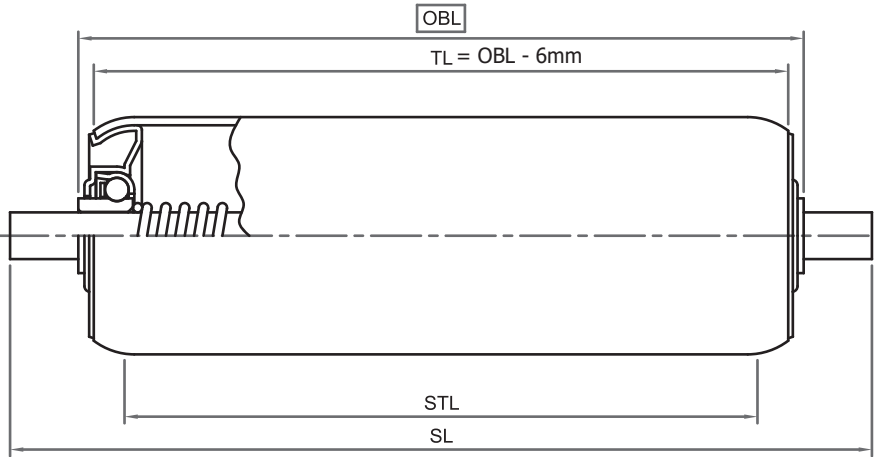
Technical Data

|                 |                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------|
| Tube Materials  | Ø38 x 1.6mm Galvanised Steel<br>Ø38 x 1.5mm Stainless Steel                               |
| Bearing Type    | Precision bearing with zinc plated or stainless steel housing and zinc plated steel bush. |
| Shaft Sizes     | Ø8mm, Ø10mm, 11mm Hex or Ø12mm                                                            |
| Shaft Materials | Mild Steel, Zinc Plated, Stainless Steel or Aluminium (11mm Hex only)                     |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots                 |



Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
TL = Tube Length or face width of the tube only excluding bearing housing  
SL = Shaft Length



Load Ratings - KG (minimum applies)

| Roller Length<br><br>(mm) | Tube Material<br><br>Galvanised Steel | Shaft         |       |       |       |
|---------------------------|---------------------------------------|---------------|-------|-------|-------|
|                           |                                       | Spring Loaded |       | Fixed |       |
|                           |                                       | Ø8mm          | Ø10mm | Ø8mm  | Ø10mm |
| 100                       | 100                                   | 100           | 100   | 100   | 100   |
| 200                       | 100                                   | 80            | 100   | 80    | 100   |
| 300                       | 100                                   | 40            | 90    | 80    | 100   |
| 400                       | 100                                   | 30            | 80    | 80    | 100   |
| 500                       | 80                                    | 20            | 70    | 80    | 100   |
| 600                       | 60                                    | 15            | 60    | 80    | 100   |
| 700                       | 40                                    | 10            | 50    | 80    | 100   |
| 800                       | 30                                    | 5             | 40    | 70    | 100   |
| 900                       | 25                                    |               | 30    | 60    | 100   |
| 1000                      | 18                                    |               | 20    | 50    | 100   |
| 1100                      | 16                                    |               | 10    | 40    | 80    |
| 1200                      | 10                                    |               | 5     | 30    | 50    |

\* Shaded sizes not recommended  
\* For central point load, reduce rating by 1/3

Scan to configure

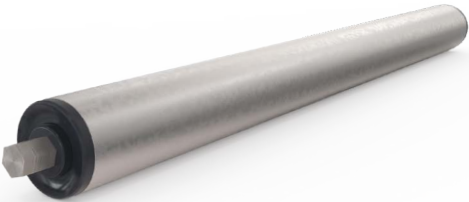
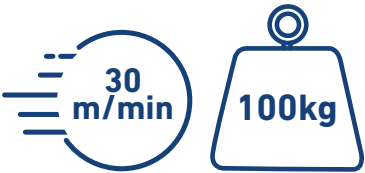


CONVEYOR ROLLERS

387- Ø38mm Precision Conveyor Roller

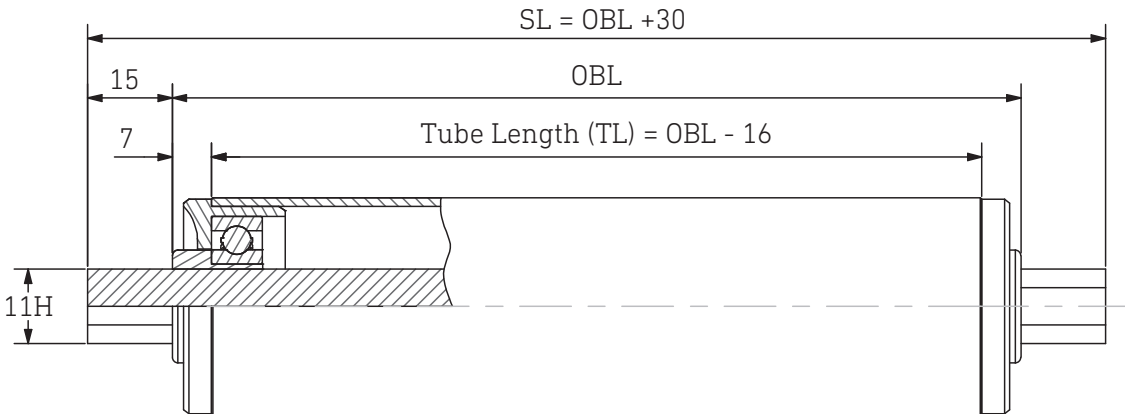
Technical Data

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Tube Materials  | Ø38 x 1.6mm Galvanised Steel<br>Ø38 x 1.5mm Stainless Steel                  |
| Bearing Type    | Precision in black polyprop housing<br>with bush                             |
| Shaft Sizes     | Ø8mm, Ø10mm, 11mm Hex or Ø12mm                                               |
| Shaft Materials | Mild Steel, Zinc Plated, Stainless Steel<br>or Aluminium (11mm Hex only)     |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                |
| Shaft Options   | Female Threads, Male Threads, Flats,<br>Circlip Grooves, Cross Drills, Slots |



Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
TL = Tube Length or face width of the tube only excluding bearing housing  
SL = Shaft Length



Load Ratings - KG (minimum applies)

| Roller Length<br><br>(mm) | Tube Material<br><br>Galvanised Steel | Shaft         |       |       |       |
|---------------------------|---------------------------------------|---------------|-------|-------|-------|
|                           |                                       | Spring Loaded |       | Fixed |       |
|                           |                                       | Ø8mm          | Ø10mm | Ø8mm  | Ø10mm |
| 100                       | 100                                   | 100           | 100   | 100   | 100   |
| 200                       | 100                                   | 80            | 100   | 80    | 100   |
| 300                       | 100                                   | 40            | 90    | 80    | 100   |
| 400                       | 100                                   | 30            | 80    | 80    | 100   |
| 500                       | 80                                    | 20            | 70    | 80    | 100   |
| 600                       | 60                                    | 15            | 60    | 80    | 100   |
| 700                       | 40                                    | 10            | 50    | 80    | 100   |
| 800                       | 30                                    | 5             | 40    | 70    | 100   |
| 900                       | 25                                    |               | 30    | 60    | 100   |
| 1000                      | 18                                    |               | 20    | 50    | 100   |
| 1100                      | 16                                    |               | 10    | 40    | 80    |
| 1200                      | 10                                    |               | 5     | 30    | 50    |

\* Shaded sizes not recommended  
\* For central point load, reduce rating by 1/3

Scan to configure

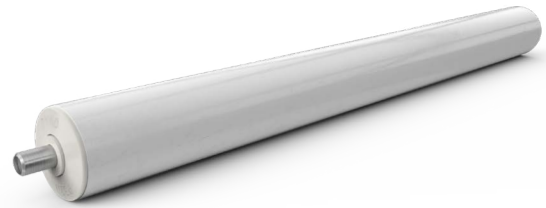


# CONVEYOR ROLLERS

## 420 - Ø42mm Conveyor Roller

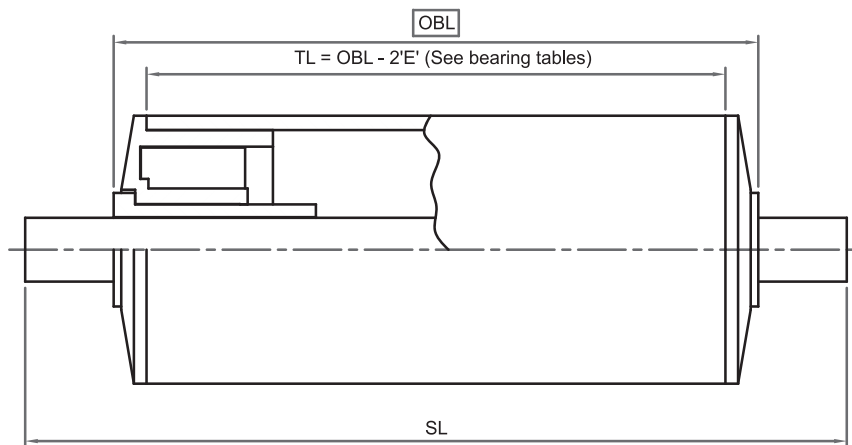
### Technical Data

|                 |                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------|
| Tube Materials  | Ø42 x 2.5mm PVC                                                                                   |
| Bearing Type    | Bushed Endcap - White ABS housing and white acetal bush (blind option for Ø8mm and Ø9.5mm bushes) |
| Shaft Sizes     | Ø6mm, Ø8mm, Ø9.5mm, Ø10mm or Ø12mm                                                                |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                                        |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                                     |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots                         |



### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
 TL = Tube Length or face width of the tube only excluding bearing housing  
 SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>Plastic | Shaft |      |       |       |
|-----------------------|--------------------------|-------|------|-------|-------|
|                       |                          | Ø6mm  | Ø8mm | Ø10mm | Ø12mm |
| 100                   | 30                       | 30    | 30   | 30    | 30    |
| 200                   | 30                       | 20    | 30   | 30    | 30    |
| 300                   | 20                       | 10    | 30   | 30    | 30    |
| 400                   | 12                       | 2     | 25   | 30    | 30    |
| 500                   | 6                        | 1     | 20   | 30    | 30    |
| 600                   | 3                        |       | 15   | 30    | 30    |
| 700                   |                          |       | 10   | 30    | 30    |
| 800                   |                          |       |      | 25    | 30    |
| 900                   |                          |       |      | 20    | 30    |
| 1000                  |                          |       |      | 10    | 30    |
| 1100                  |                          |       |      |       | 30    |
| 1200                  |                          |       |      |       | 30    |

\* Shaded sizes not recommended  
 \* For central point load, reduce rating by 1/3

Scan to configure



Note - Standard pipe will have writing on it

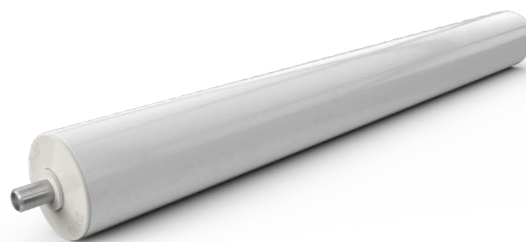


# CONVEYOR ROLLERS

## 480 - Ø48mm Conveyor Roller

### Technical Data

|                 |                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------|
| Tube Materials  | Ø48 x 2.5mm White Dynopipe                                                                        |
| Bearing Type    | Bushed Endcap - White ABS housing and white acetal bush (blind option for Ø8mm and Ø9.5mm bushes) |
| Shaft Sizes     | Ø6mm, Ø8mm, Ø9.5mm, Ø10mm or Ø12mm                                                                |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                                        |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                                     |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots                         |

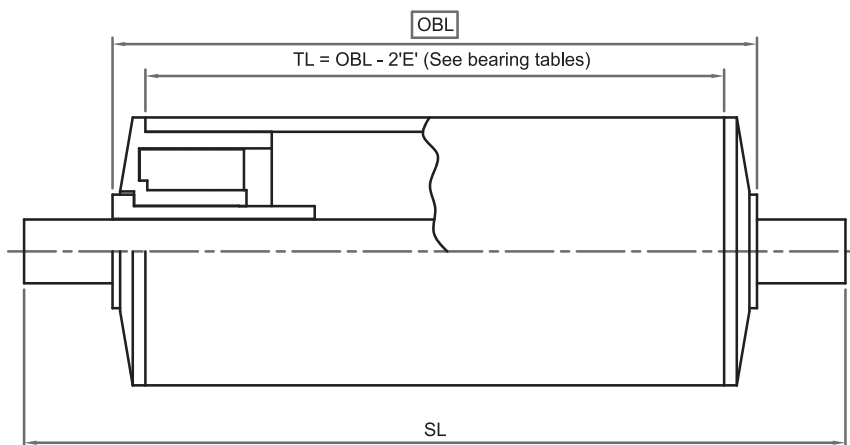


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>Dynopipe | Shaft |      |       |       |
|-----------------------|---------------------------|-------|------|-------|-------|
|                       |                           | Ø6mm  | Ø8mm | Ø10mm | Ø12mm |
| 100                   | 30                        | 30    | 30   | 30    | 30    |
| 200                   | 30                        | 20    | 30   | 30    | 30    |
| 300                   | 30                        | 10    | 30   | 30    | 30    |
| 400                   | 28                        | 2     | 25   | 30    | 30    |
| 500                   | 16                        | 1     | 20   | 30    | 30    |
| 600                   | 12                        |       | 15   | 30    | 30    |
| 700                   | 5                         |       | 10   | 30    | 30    |
| 800                   | 3                         |       |      | 25    | 30    |
| 900                   | 2                         |       |      | 20    | 30    |
| 1000                  | 1                         |       |      | 10    | 30    |
| 1100                  |                           |       |      |       | 30    |
| 1200                  |                           |       |      |       | 30    |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

Scan to configure

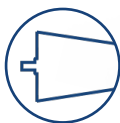


## CONVEYOR ROLLERS

### 482 - Ø48mm Gravity Conveyor Roller

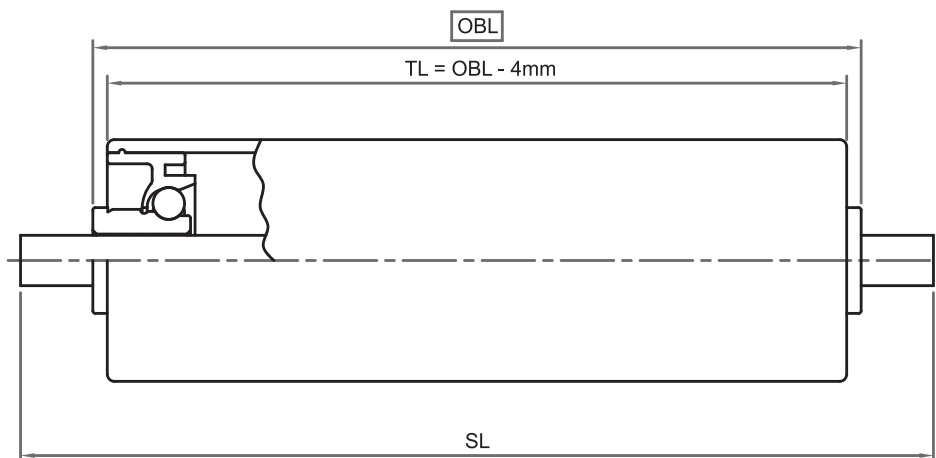
#### Technical Data

|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| Tube Materials  | Ø48 x 2.5mm White Dynopipe                                                  |
| Bearing Type    | White acetal race with stainless steel or plastic balls                     |
| Bearing Options | Sealed (SE) or Greased (G)<br><i>Always greased when driven / grooved</i>   |
| Shaft Sizes     | Ø8mm, Ø10mm, 11mm Hex, Ø12mm or Ali Q                                       |
| Shaft Materials | Mild Steel, Zinc Plated, Stainless Steel or Aluminium (11mm hex and Q only) |
| Shaft Type      | Spring Loaded, Fixed or Loose                                               |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots   |



#### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
 TL = Tube Length or face width of the tube only excluding bearing housing  
 SL = Shaft Length



#### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>Dynopipe | Shaft       |       |       |
|-----------------------|---------------------------|-------------|-------|-------|
|                       |                           | Aluminium Q | Ø10mm | Ø12mm |
| 100                   | 30                        | 30          | 30    | 30    |
| 200                   | 30                        | 30          | 30    | 30    |
| 300                   | 30                        | 25          | 30    | 30    |
| 400                   | 28                        | 20          | 30    | 30    |
| 500                   | 16                        | 16          | 30    | 30    |
| 600                   | 12                        | 10          | 30    | 30    |
| 700                   | 5                         |             | 30    | 30    |
| 800                   | 3                         |             | 25    | 30    |
| 900                   | 2                         |             | 20    | 30    |
| 1000                  | 1                         |             | 10    | 30    |
| 1100                  |                           |             |       | 30    |
| 1200                  |                           |             |       | 30    |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

Scan to configure



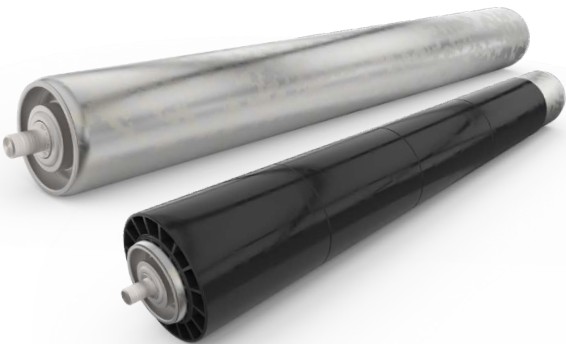
Refer to page 38 for tapered option

CONVEYOR ROLLERS

503C - Ø50mm Gravity Conveyor Roller

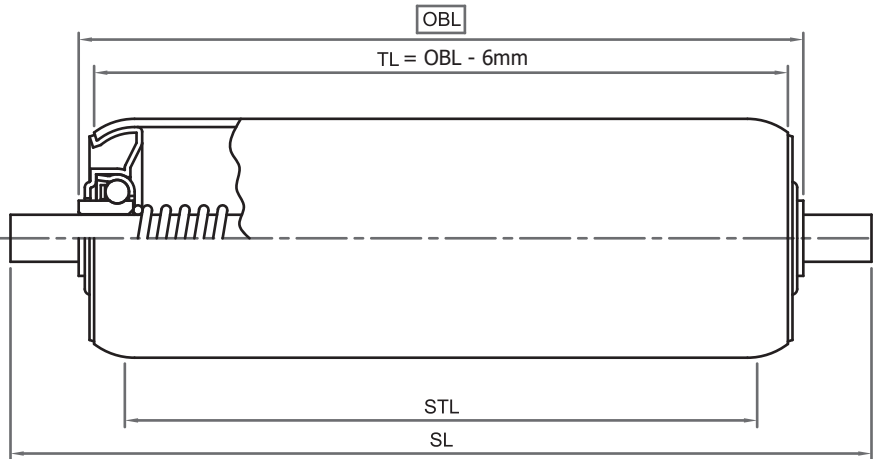
Technical Data

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Tube Materials  | Ø50 x 1.5mm Galvanised Steel<br>Ø50 x 1.5mm Stainless Steel               |
| Bearing Type    | Zinc plated housing with caged steel balls                                |
| Shaft Sizes     | Ø8mm, Ø10mm, 11mm Hex or Ø12mm                                            |
| Shaft Materials | Mild Steel, Zinc Plated, Stainless Steel or Aluminium (11mm Hex only)     |
| Shaft Type      | Spring Loaded, Fixed or Loose                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots |



Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
TL = Tube Length or face width of the tube only excluding bearing housing  
SL = Shaft Length  
STL = Straight Tube Length



Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>Galvanised Steel | Shaft         |       |     |       |       |     |
|-----------------------|-----------------------------------|---------------|-------|-----|-------|-------|-----|
|                       |                                   | Spring Loaded |       |     | Fixed |       |     |
|                       |                                   | Ø8mm          | Ø10mm | 11H | Ø8mm  | Ø10mm | 11H |
| 100                   | 100                               | 100           | 100   | 100 | 100   | 100   | 100 |
| 200                   | 100                               | 80            | 100   | 100 | 80    | 100   | 100 |
| 300                   | 100                               | 40            | 90    | 90  | 80    | 100   | 100 |
| 400                   | 100                               | 30            | 80    | 70  | 80    | 100   | 100 |
| 500                   | 100                               | 20            | 70    | 65  | 80    | 100   | 100 |
| 600                   | 100                               | 15            | 60    | 60  | 80    | 100   | 100 |
| 700                   | 75                                | 10            | 50    | 55  | 80    | 100   | 100 |
| 800                   | 60                                | 5             | 40    | 50  | 70    | 100   | 100 |
| 900                   | 40                                |               | 30    | 45  | 60    | 100   | 100 |
| 1000                  | 30                                |               | 20    | 40  | 50    | 100   | 100 |
| 1100                  | 20                                |               | 10    | 35  | 40    | 80    | 100 |
| 1200                  | 10                                |               | 5     | 30  | 30    | 50    | 100 |

\* Shaded sizes not recommended  
\* For central point load, reduce rating by 1/3

Scan to configure

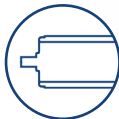
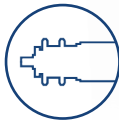
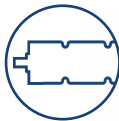
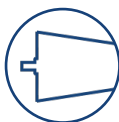


## CONVEYOR ROLLERS

### 505 - Ø50mm Precision Conveyor Roller

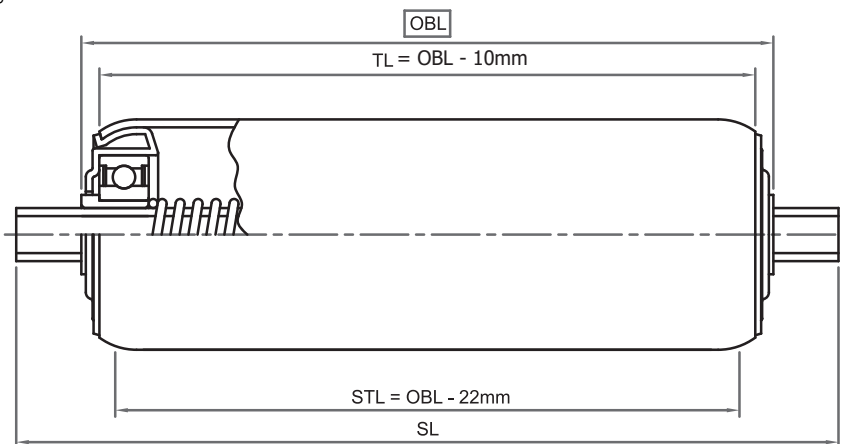
#### Technical Data

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Tube Materials  | Ø50 x 1.5mm Galvanised Steel<br>Ø50 x 1.5mm Stainless Steel               |
| Bearing Type    | Precision bearing with zinc plated steel housing and bush.                |
| Shaft Sizes     | Ø8mm, Ø10mm, 11mm Hex or Ø12mm                                            |
| Shaft Materials | Mild Steel, Zinc Plated, Stainless Steel or Aluminium (11mm Hex only)     |
| Shaft Type      | Spring Loaded, Fixed or Loose                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots |



#### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
 TL = Tube Length or face width of the tube only excluding bearing housing  
 SL = Shaft Length  
 STL = Straight Tube Length



#### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>Galvanised Steel | Shaft         |       |     |       |       |     |
|-----------------------|-----------------------------------|---------------|-------|-----|-------|-------|-----|
|                       |                                   | Spring Loaded |       |     | Fixed |       |     |
|                       |                                   | Ø8mm          | Ø10mm | 11H | Ø8mm  | Ø10mm | 11H |
| 100                   | 180                               | 100           | 180   | 180 | 100   | 180   | 180 |
| 200                   | 180                               | 80            | 120   | 180 | 80    | 160   | 180 |
| 300                   | 180                               | 40            | 90    | 160 | 80    | 160   | 180 |
| 400                   | 170                               | 30            | 80    | 80  | 80    | 160   | 180 |
| 500                   | 160                               | 20            | 70    | 70  | 80    | 160   | 180 |
| 600                   | 120                               | 15            | 60    | 65  | 80    | 160   | 180 |
| 700                   | 80                                | 10            | 50    | 60  | 80    | 160   | 180 |
| 800                   | 60                                | 5             | 40    | 55  | 80    | 160   | 180 |
| 900                   | 45                                |               | 30    | 50  | 80    | 160   | 180 |
| 1000                  | 35                                |               | 20    | 45  | 80    | 160   | 180 |
| 1100                  | 25                                |               | 10    | 40  | 80    | 160   | 180 |
| 1200                  | 20                                |               | 5     | 35  | 80    | 160   | 180 |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

Scan to configure

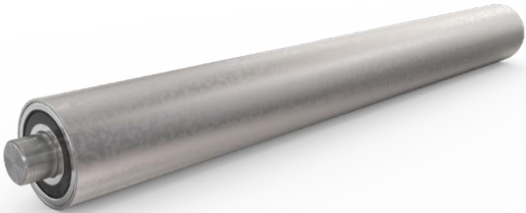
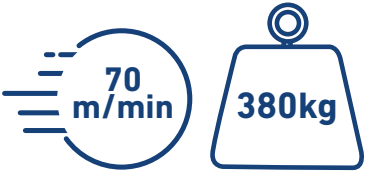
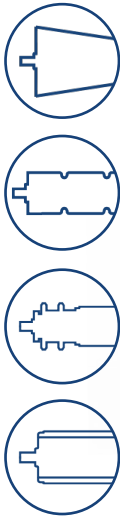


CONVEYOR ROLLERS

505HD - Ø50mm Precision Conveyor Roller

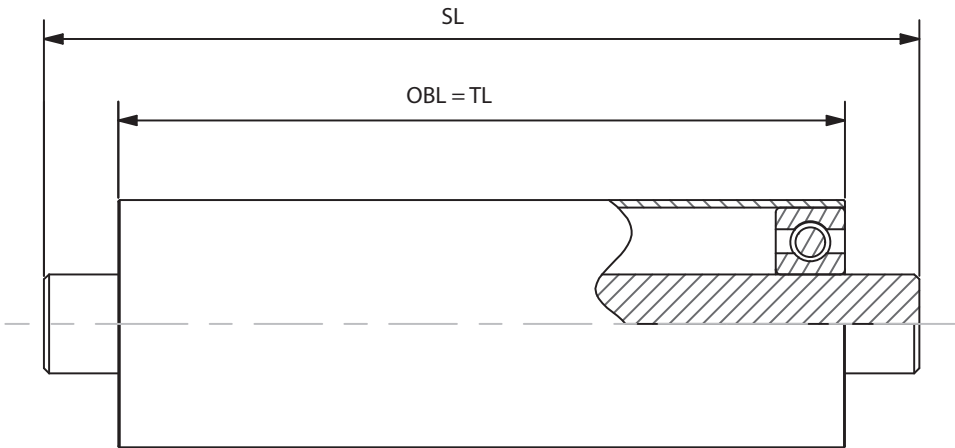
Technical Data

|                 |                                                                                |
|-----------------|--------------------------------------------------------------------------------|
| Tube Materials  | Ø50 x 1.5mm Galvanised Steel<br>Ø50 x 1.5mm Stainless Steel                    |
| Bearing Type    | 6204 RS Precision Bearing                                                      |
| Shaft Sizes     | Ø16mm or Ø20mm                                                                 |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                     |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                  |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip<br>Grooves, Cross Drills or Slots |



Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
TL = Tube Length or face width of the tube only excluding bearing housing  
SL = Shaft Length



Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material    |                 | Shaft         |     |       |     |
|-----------------------|------------------|-----------------|---------------|-----|-------|-----|
|                       | Galvanised Steel | Stainless Steel | Spring Loaded |     | Fixed |     |
|                       |                  |                 | Ø16           | Ø20 | Ø16   | Ø20 |
| 100                   | 280              | 280             | 350           | 350 | 350   | 350 |
| 200                   | 220              | 220             | 350           | 350 | 350   | 350 |
| 300                   | 180              | 180             | 350           | 350 | 350   | 350 |
| 400                   | 170              | 180             | 350           | 350 | 350   | 350 |
| 500                   | 160              | 170             | 350           | 350 | 350   | 350 |
| 600                   | 120              | 160             | 350           | 350 | 350   | 350 |
| 700                   | 80               | 120             | 350           | 350 | 350   | 350 |
| 800                   | 60               | 80              | 350           | 350 | 350   | 350 |
| 900                   | 45               | 60              | 350           | 350 | 350   | 350 |
| 1000                  | 35               | 50              | 320           | 350 | 350   | 350 |
| 1100                  | 25               | 40              | 300           | 350 | 350   | 350 |
| 1200                  | 20               | 30              | 260           | 350 | 350   | 350 |

\* Shaded sizes not recommended  
\* For central point load, reduce rating by 1/3

Scan to configure

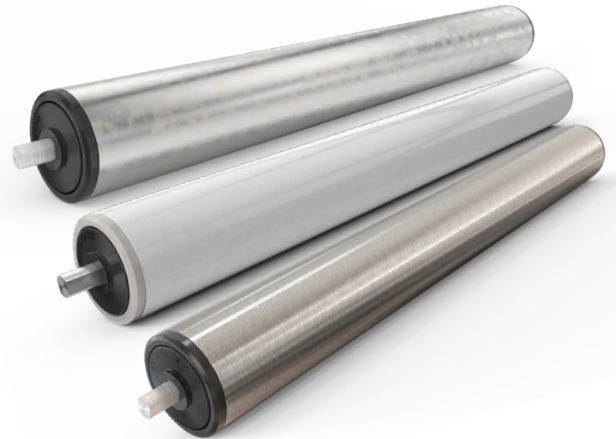
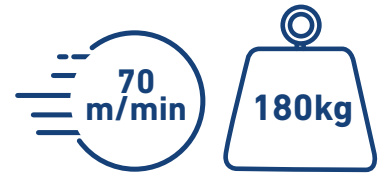


# CONVEYOR ROLLERS

## 507- Ø50mm Precision Conveyor Roller

### Technical Data

|                 |                                                                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tube Materials  | Ø50 x 1.5mm Galvanised Steel<br>Ø50 x 1.5mm Stainless Steel<br>Ø50 x 2.7mm Dynopipe                                                                                                |
| Bearing Type    | Precision bearing in black polyprop housing with labyrinth seal                                                                                                                    |
| Bearing Options | - Steel Precision Bearing (507)<br>- Stainless Steel Precision Bearing (507SS)<br>- Blind Bearing Housing with BP12 Blind Pin (507B)<br>- Grey Bearing Housing for Dynopipe (507P) |
| Shaft Sizes     | Ø8mm, Ø10mm, Ali Q, 11mm Hex, Ø12mm                                                                                                                                                |
| Shaft Materials | Mild Steel, Stainless Steel, Zinc Plated or Aluminium (Q or 11mm Hex only)                                                                                                         |
| Shaft Types     | Spring Loaded, Fixed or Loose                                                                                                                                                      |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots                                                                                                          |

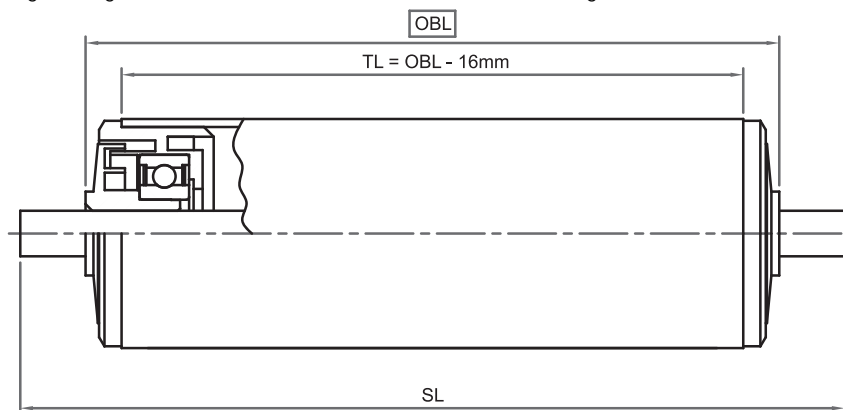


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

SL = Shaft Length

TL = Tube Length



### Load Ratings - kg (minimum applies)

| Roller Length (mm) | Tube Material |           |       |     | Shaft         |     |         |       |     |         |
|--------------------|---------------|-----------|-------|-----|---------------|-----|---------|-------|-----|---------|
|                    | Dynopipe      | Aluminium | Galv. | S/S | Spring Loaded |     |         | Fixed |     |         |
|                    |               |           |       |     | Ø8            | Ø10 | 11H,Ø12 | Ø8    | Ø10 | 11H,Ø12 |
| 100                | 40            | 80        | 180   | 180 | 100           | 180 | 180     | 100   | 180 | 180     |
| 200                | 30            | 60        | 180   | 180 | 80            | 120 | 180     | 80    | 160 | 180     |
| 300                | 30            | 60        | 180   | 180 | 40            | 90  | 160     | 80    | 160 | 180     |
| 400                | 28            | 50        | 170   | 180 | 30            | 80  | 80      | 80    | 160 | 180     |
| 500                | 16            | 40        | 160   | 170 | 20            | 70  | 70      | 80    | 160 | 180     |
| 600                | 12            | 30        | 120   | 160 | 15            | 60  | 65      | 80    | 160 | 180     |
| 700                | 5             | 25        | 80    | 120 | 10            | 50  | 60      | 80    | 160 | 180     |
| 800                | 3             | 20        | 60    | 80  | 5             | 40  | 55      | 80    | 160 | 180     |
| 900                | 2             | 10        | 45    | 60  |               | 30  | 50      | 80    | 160 | 180     |
| 1000               | 1             | 6         | 35    | 50  |               | 20  | 45      | 80    | 160 | 180     |
| 1100               |               | 4         | 25    | 40  |               | 10  | 40      | 80    | 160 | 180     |
| 1200               |               | 2         | 20    | 30  |               | 5   | 35      | 80    | 160 | 180     |

\* Shaded sizes not recommended

For central point load, reduce rating by 1/3

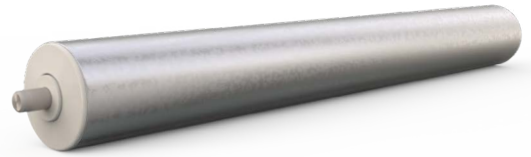


# CONVEYOR ROLLERS

## 510 - Ø50.8mm Conveyor Roller

### Technical Data

|                 |                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------|
| Tube Materials  | Ø50.8 x 1.6mm Galvanised Steel<br>Ø50.8 x 1.5mm Stainless Steel                                   |
| Bearing Type    | Bushed Endcap - White ABS housing and white acetal bush (blind option for Ø8mm and Ø9.5mm bushes) |
| Shaft Sizes     | Ø6mm, Ø8mm, Ø9.5mm, Ø10mm or Ø12mm                                                                |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                                        |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                                     |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills or Slots                       |

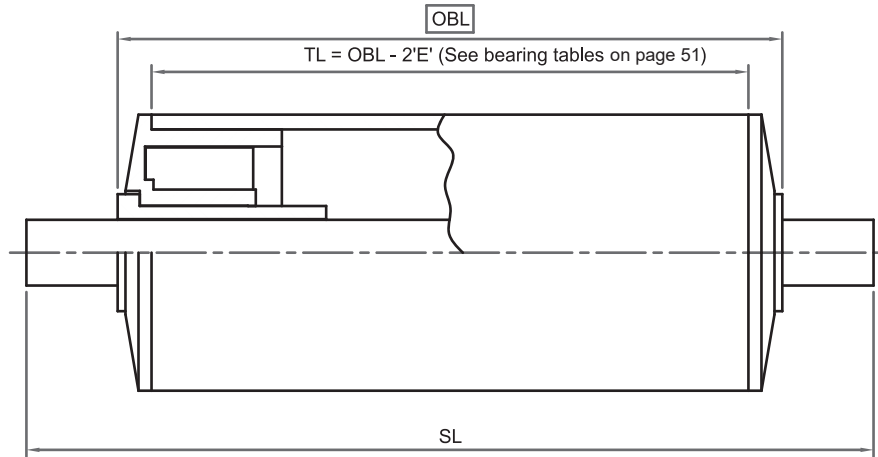


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>S/S or Galv. | Shaft |      |       |       |
|-----------------------|-------------------------------|-------|------|-------|-------|
|                       |                               | Ø6mm  | Ø8mm | Ø10mm | Ø12mm |
| 100                   | 35                            | 30    | 35   | 35    | 35    |
| 200                   | 35                            | 20    | 35   | 35    | 35    |
| 300                   | 35                            | 10    | 30   | 35    | 35    |
| 400                   | 35                            | 2     | 25   | 35    | 35    |
| 500                   | 35                            | 1     | 20   | 35    | 35    |
| 600                   | 35                            |       | 15   | 35    | 35    |
| 700                   | 35                            |       | 10   | 30    | 35    |
| 800                   | 35                            |       |      | 25    | 35    |
| 900                   | 35                            |       |      | 20    | 35    |
| 1000                  | 35                            |       |      | 10    | 35    |
| 1100                  | 35                            |       |      |       | 35    |
| 1200                  | 35                            |       |      |       | 35    |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

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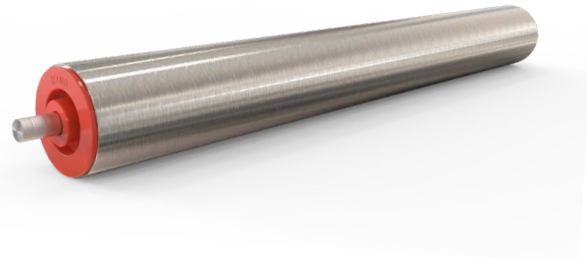


## CONVEYOR ROLLERS

### 512- Ø50.8mm Gravity Conveyor Roller

#### Technical Data

|                 |                                                                                |
|-----------------|--------------------------------------------------------------------------------|
| Tube Materials  | Ø50.8 x 1.6mm Galvanised Steel<br>Ø50.8 x 1.5mm Stainless Steel                |
| Bearing Type    | Red acetal ball bearing with stainless steel balls                             |
| Bearing Options | Greased (G) or Sealed (SE)<br><i>Always greased when driven / grooved</i>      |
| Shaft Sizes     | Ø10mm, Ali Q, 11mm hex or Ø12mm                                                |
| Shaft Materials | Mild Steel, Zinc Plated, Stainless Steel<br>or Aluminium (Q and 11mm Hex only) |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                  |
| Shaft Options   | Female Threads, Male Threads, Flats,<br>Circlip Grooves, Cross Drills, Slots   |

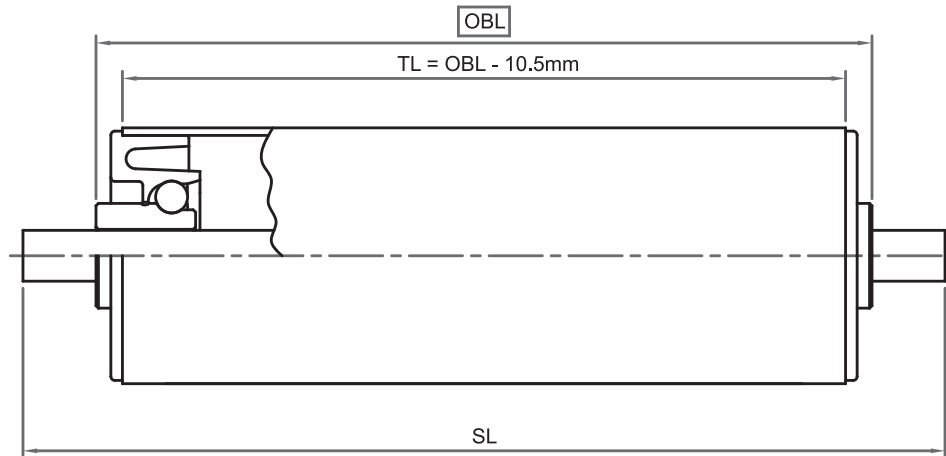


#### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



#### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material |              | Shaft       |       |       |
|-----------------------|---------------|--------------|-------------|-------|-------|
|                       | Aluminium     | S/S or Galv. | Aluminium Q | Ø10mm | Ø12mm |
| 100                   | 40            | 40           | 30          | 40    | 40    |
| 200                   | 40            | 40           | 30          | 40    | 40    |
| 300                   | 40            | 40           | 25          | 40    | 40    |
| 400                   | 40            | 40           | 20          | 40    | 40    |
| 500                   | 40            | 40           | 16          | 40    | 40    |
| 600                   | 30            | 40           | 10          | 35    | 40    |
| 700                   | 25            | 40           | 5           | 30    | 40    |
| 800                   | 20            | 40           | 2           | 25    | 40    |
| 900                   | 10            | 35           | 1           | 20    | 40    |
| 1000                  | 6             | 25           |             | 10    | 40    |
| 1100                  | 4             | 20           |             |       | 40    |
| 1200                  | 2             | 15           |             |       | 40    |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

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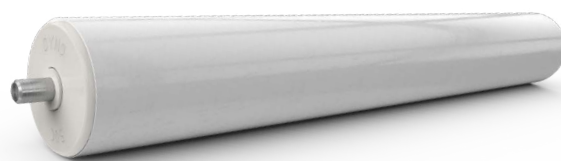
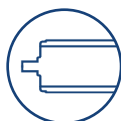


# CONVEYOR ROLLERS

## 600 - Ø60mm Conveyor Roller

### Technical Data

|                 |                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Tube Materials  | Ø60 x 2.8mm PVC                                                                                                                               |
| Bearing Type    | Bushed Endcap - White ABS housing and white acetal bush (up to Ø10mm), black nylon bush (over Ø10mm). Blind option for Ø8mm and Ø9.5mm bushes |
| Shaft Sizes     | Ø6mm, Ø8mm, Ø9.5mm, Ø10mm or Ø12mm                                                                                                            |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                                                                                    |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                                                                                 |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills or Slots                                                                   |

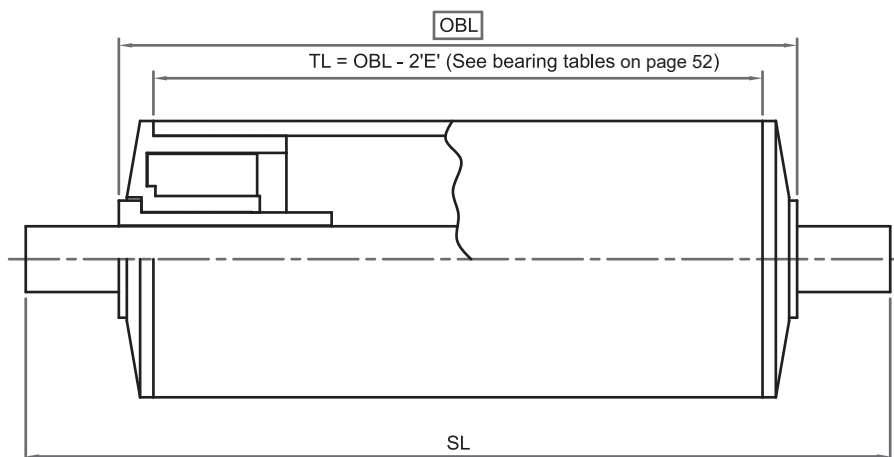


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>Plastic | Shaft |      |       |       |
|-----------------------|--------------------------|-------|------|-------|-------|
|                       |                          | Ø6mm  | Ø8mm | Ø10mm | Ø12mm |
| 100                   | 35                       | 30    | 35   | 35    | 35    |
| 200                   | 35                       | 20    | 35   | 35    | 35    |
| 300                   | 25                       | 10    | 30   | 35    | 35    |
| 400                   | 20                       | 2     | 25   | 35    | 35    |
| 500                   | 18                       | 1     | 20   | 35    | 35    |
| 600                   | 12                       |       | 15   | 35    | 35    |
| 700                   | 10                       |       | 10   | 30    | 35    |
| 800                   | 7                        |       |      | 25    | 35    |
| 900                   | 5                        |       |      | 20    | 35    |
| 1000                  | 2                        |       |      | 10    | 35    |
| 1100                  |                          |       |      |       | 35    |
| 1200                  |                          |       |      |       | 35    |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

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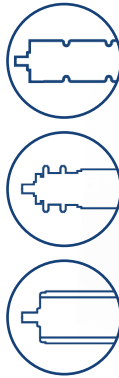


## CONVEYOR ROLLERS

### 605 - Ø60mm Precision Conveyor Roller

#### Technical Data

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Tube Materials  | Ø60.3 x 2.3mm Galvanised Steel                                            |
| Bearing Type    | Precision bearing with zinc plated steel housing and bush                 |
| Shaft Sizes     | Ø8mm, Ø10mm, 11mm hex or Ø12mm                                            |
| Shaft Materials | Mild Steel, Zinc Plated, Stainless Steel or Aluminium (11mm hex only)     |
| Shaft Type      | Spring Loaded, Fixed or Loose                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots |

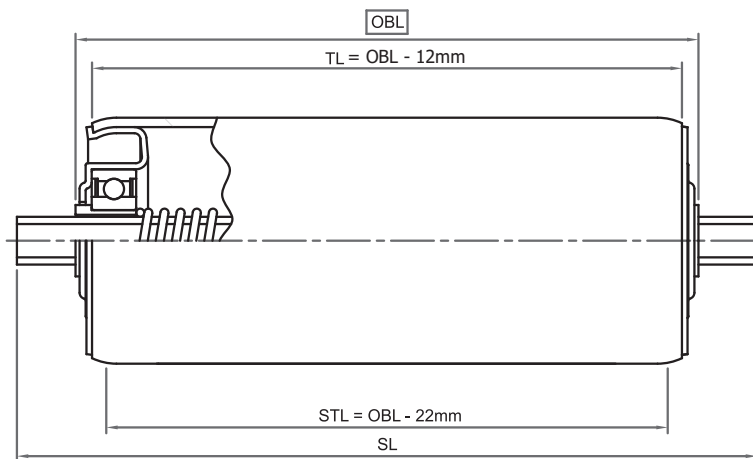


#### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



#### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>Galv. | Shaft         |       |     |       |     |
|-----------------------|------------------------|---------------|-------|-----|-------|-----|
|                       |                        | Spring Loaded |       |     | Fixed |     |
|                       |                        | Ø8mm          | Ø10mm | 11H | Ø10mm | 11H |
| 100                   | 180                    | 100           | 180   | 180 | 180   | 180 |
| 200                   | 180                    | 80            | 120   | 180 | 160   | 180 |
| 300                   | 180                    | 40            | 90    | 160 | 160   | 180 |
| 400                   | 180                    | 30            | 80    | 80  | 160   | 180 |
| 500                   | 180                    | 20            | 70    | 70  | 160   | 180 |
| 600                   | 180                    | 15            | 60    | 65  | 160   | 180 |
| 700                   | 160                    | 10            | 50    | 60  | 160   | 180 |
| 800                   | 140                    | 5             | 40    | 55  | 160   | 180 |
| 900                   | 100                    |               | 30    | 50  | 160   | 180 |
| 1000                  | 80                     |               | 20    | 45  | 160   | 180 |
| 1100                  | 60                     |               | 10    | 40  | 160   | 180 |
| 1200                  | 50                     |               | 5     | 35  | 160   | 180 |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

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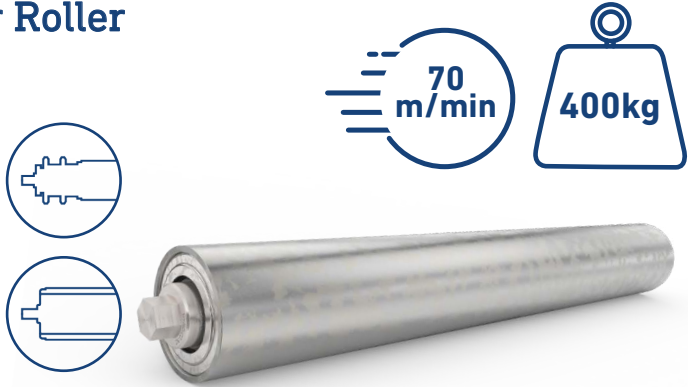


CONVEYOR ROLLERS

605HD - Ø60mm Heavy Duty Conveyor Roller

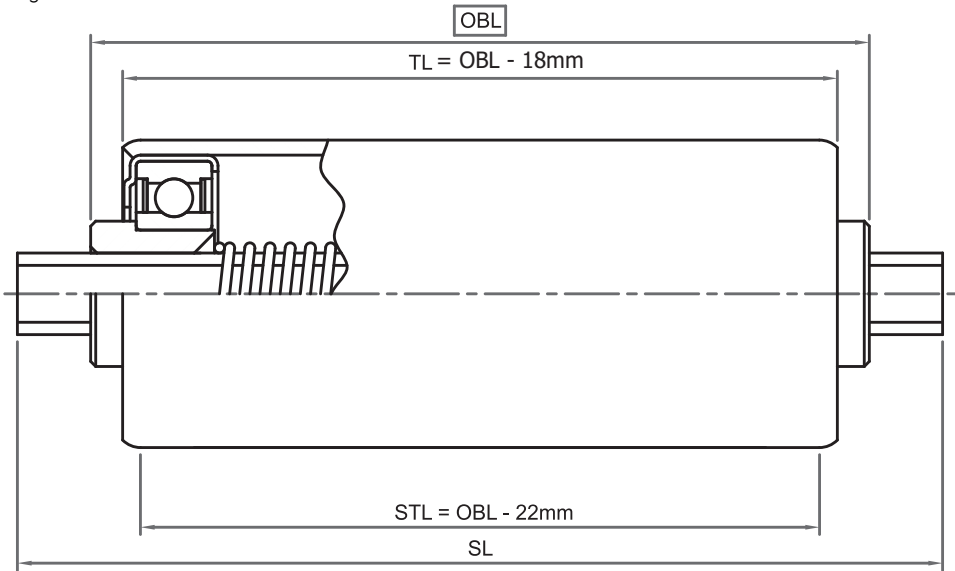
Technical Data

|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| Tube Materials  | Ø60.3 x 3.6mm Galvanised Steel                                              |
| Bearing Type    | Precision bearing with zinc plated steel housing and bush                   |
| Shaft Sizes     | Ø16mm, 16mm hex or Ø19mm                                                    |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                  |
| Shaft Type      | Spring Loaded, Fixed or Loose                                               |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills or Slots |



Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
TL = Tube Length or face width of the tube only excluding bearing housing  
SL = Shaft Length  
STL = Straight Tube Length



Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material<br>S/S or Galv. | Shaft         |       |       |       |
|-----------------------|-------------------------------|---------------|-------|-------|-------|
|                       |                               | Spring Loaded |       | Fixed |       |
|                       |                               | 16H           | Ø19mm | 16H   | Ø19mm |
| 100                   | 400                           | 400           | 400   | 400   | 400   |
| 200                   | 400                           | 400           | 400   | 400   | 400   |
| 300                   | 400                           | 400           | 400   | 400   | 400   |
| 400                   | 400                           | 400           | 400   | 400   | 400   |
| 600                   | 300                           | 280           | 400   | 400   | 400   |
| 800                   | 250                           | 200           | 400   | 400   | 400   |
| 1000                  | 200                           | 160           | 320   | 400   | 400   |
| 1200                  | 160                           | 140           | 260   | 400   | 400   |
| 1400                  | 120                           | 120           | 200   | 400   | 400   |
| 1600                  | 80                            | 100           | 140   | 400   | 400   |
| 1800                  | 55                            | 70            | 120   | 400   | 400   |
| 2000                  | 40                            | 50            | 100   | 400   | 400   |

\* Shaded sizes not recommended  
\* For central point load, reduce rating by 1/3

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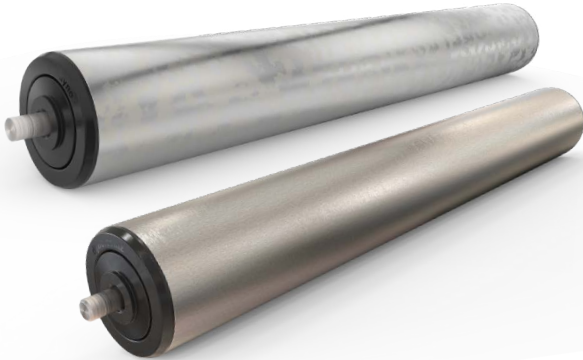
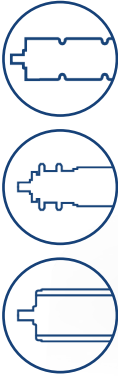


CONVEYOR ROLLERS

607 - Ø60mm Precision Conveyor Roller

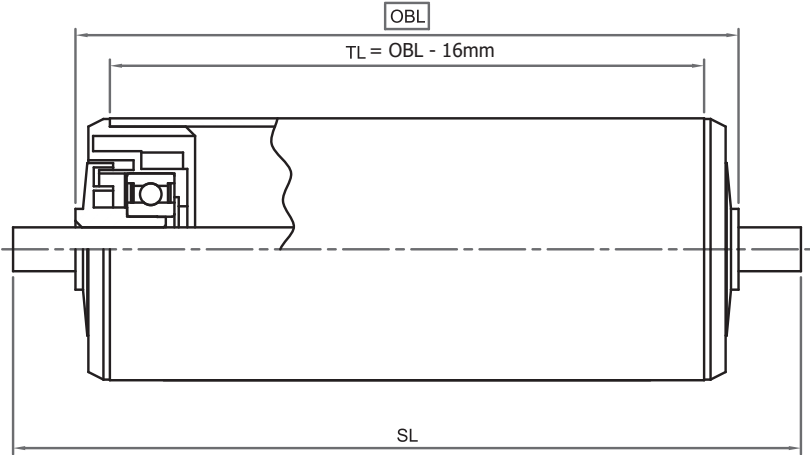
Technical Data

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Tube Materials  | Ø60.3 x 2.3mm Galvanised Steel<br>Ø60.3 x 2.77mm Stainless Steel          |
| Bearing Type    | Precision bearing with black polypropylene housing and labyrinth seal     |
| Bearing Options | Stainless Steel Precision Bearing                                         |
| Shaft Sizes     | Ø8mm, Ø10mm, 11mm hex or Ø12mm                                            |
| Shaft Materials | Mild Steel, Zinc Plated, Stainless Steel or Aluminium (11mm hex only)     |
| Shaft Type      | Spring Loaded, Fixed or Loose                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots |



Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
TL = Tube Length or face width of the tube only excluding bearing housing  
SL = Shaft Length



Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material |     | Shaft         |       |         |       |       |         |
|-----------------------|---------------|-----|---------------|-------|---------|-------|-------|---------|
|                       | Galv.         | S/S | Spring Loaded |       |         | Fixed |       |         |
|                       |               |     | Ø8mm          | Ø10mm | 11H,Ø12 | Ø8mm  | Ø10mm | 11H,Ø12 |
| 100                   | 180           | 180 | 100           | 180   | 180     | 100   | 180   | 180     |
| 200                   | 180           | 180 | 80            | 120   | 180     | 80    | 160   | 180     |
| 300                   | 180           | 180 | 40            | 90    | 160     | 80    | 160   | 180     |
| 400                   | 180           | 180 | 30            | 80    | 80      | 80    | 160   | 180     |
| 500                   | 180           | 180 | 20            | 70    | 70      | 80    | 160   | 180     |
| 600                   | 180           | 180 | 15            | 60    | 65      | 80    | 160   | 180     |
| 700                   | 160           | 180 | 10            | 50    | 60      | 80    | 160   | 180     |
| 800                   | 140           | 160 | 5             | 40    | 55      | 80    | 160   | 180     |
| 900                   | 100           | 140 |               | 30    | 50      | 80    | 160   | 180     |
| 1000                  | 80            | 100 |               | 20    | 45      | 80    | 160   | 180     |
| 1100                  | 60            | 80  |               | 10    | 40      | 80    | 160   | 180     |
| 1200                  | 50            | 60  |               | 5     | 35      | 80    | 160   | 180     |

\* Shaded sizes not recommended  
\* For central point load, reduce rating by 1/3

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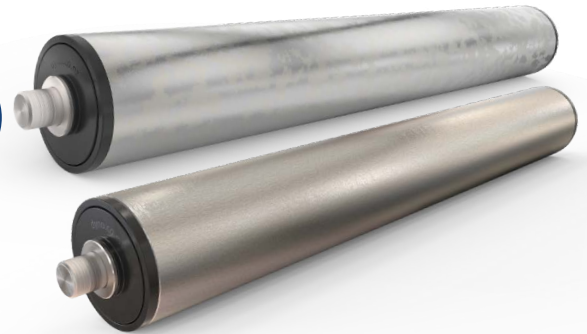
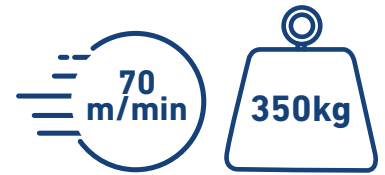


# CONVEYOR ROLLERS

## 607HD - Ø60mm Heavy Duty Conveyor Roller

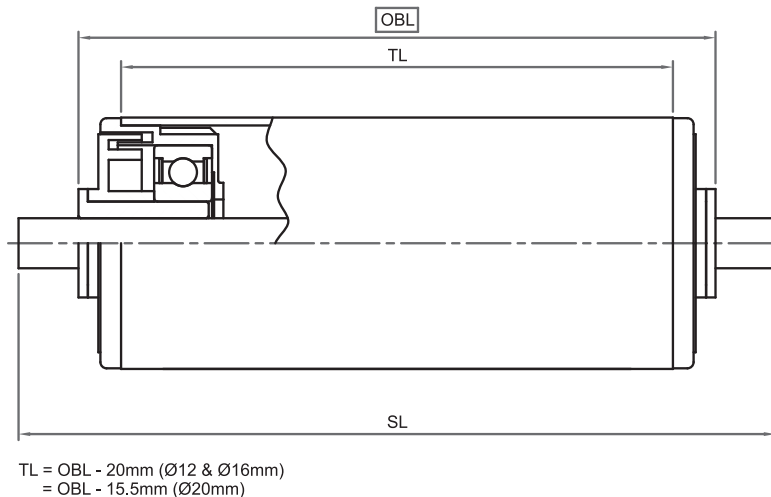
### Technical Data

|                 |                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------|
| Tube Materials  | Ø60.3 x 2.3mm Galvanised Steel (standard)<br>Ø60.3 x 3.6mm Galvanised Steel<br>Ø60.3 x 2.77mm Stainless Steel |
| Bearing Type    | Precision bearing with black nylon housing and labyrinth seal.                                                |
| Bearing Options | Stainless Steel Precision Bearing                                                                             |
| Shaft Sizes     | Ø12mm, Ø16mm or Ø20mm                                                                                         |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                                                    |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                                                 |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills or Slots                                   |



### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
 TL = Tube Length or face width of the tube only excluding bearing housing  
 SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material                   |               | Shaft         |       |       |       |       |       |
|-----------------------|---------------------------------|---------------|---------------|-------|-------|-------|-------|-------|
|                       | 2.3mm or 2.77mm<br>Galv. or S/S | 3.6mm<br>Galv | Spring Loaded |       |       | Fixed |       |       |
|                       |                                 |               | Ø12mm         | Ø16mm | Ø20mm | Ø12mm | Ø16mm | Ø20mm |
| 100                   | 280                             | 350           | 250           | 350   | 350   | 300   | 350   | 350   |
| 200                   | 280                             | 350           | 200           | 350   | 350   | 280   | 350   | 350   |
| 300                   | 280                             | 350           | 160           | 350   | 350   | 250   | 350   | 350   |
| 400                   | 280                             | 350           | 120           | 350   | 350   | 250   | 350   | 350   |
| 600                   | 240                             | 300           | 80            | 280   | 350   | 250   | 350   | 350   |
| 800                   | 140                             | 250           | 50            | 200   | 350   | 250   | 350   | 350   |
| 1000                  | 100                             | 200           | 30            | 160   | 320   | 250   | 350   | 350   |
| 1200                  | 80                              | 160           | 20            | 140   | 260   | 250   | 350   | 350   |
| 1400                  | 60                              | 120           |               | 120   | 200   | 250   | 350   | 350   |
| 1600                  | 40                              | 80            |               | 100   | 140   | 250   | 350   | 350   |
| 1800                  | 20                              | 55            |               | 70    | 120   | 250   | 350   | 350   |
| 2000                  |                                 | 40            |               | 50    | 100   | 250   | 350   | 350   |

\* Shaded sizes not recommended  
 \* For central point load, reduce rating by 1/3

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# CONVEYOR ROLLERS

## 750 - Ø75mm Conveyor Roller

### Technical Data

|                 |                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------|
| Tube Materials  | Ø75 x 3mm PVC                                                                                     |
| Bearing Type    | Bushed Endcap - White ABS housing and white acetal bush (blind option for Ø8mm and Ø9.5mm bushes) |
| Shaft Sizes     | Ø6mm, Ø8mm, Ø9.5mm, Ø10mm or Ø12mm                                                                |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                                        |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                                     |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills, Slots                         |

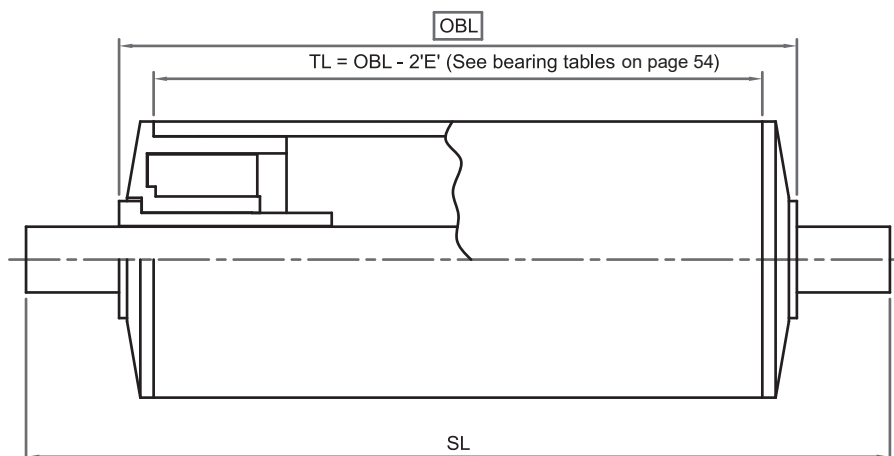


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material | Shaft |      |       |       |
|-----------------------|---------------|-------|------|-------|-------|
|                       |               | Ø6mm  | Ø8mm | Ø10mm | Ø12mm |
| 100                   | 40            | 30    | 40   | 40    | 40    |
| 200                   | 40            | 20    | 35   | 40    | 40    |
| 300                   | 40            | 10    | 30   | 40    | 40    |
| 400                   | 40            | 2     | 25   | 40    | 40    |
| 500                   | 35            | 1     | 20   | 40    | 40    |
| 600                   | 30            |       | 15   | 35    | 40    |
| 700                   | 22            |       | 10   | 30    | 40    |
| 800                   | 15            |       |      | 25    | 40    |
| 900                   | 10            |       |      | 20    | 40    |
| 1000                  | 5             |       |      | 10    | 40    |
| 1100                  | 3             |       |      |       | 40    |
| 1200                  | 2             |       |      |       | 40    |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

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# CONVEYOR ROLLERS

## 755 - Ø75mm Precision Conveyor Roller

### Technical Data

|                 |                                                                             |
|-----------------|-----------------------------------------------------------------------------|
| Tube Materials  | Ø76 x 2.3mm Galvanised Steel<br>Ø76 x 3.2mm Galvanised Steel                |
| Bearing Type    | Precision bearing with zinc plated steel housing and bush                   |
| Shaft Sizes     | Ø12mm, Ø16mm or Ø19mm                                                       |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                  |
| Shaft Type      | Spring Loaded, Fixed or Loose                                               |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills or Slots |

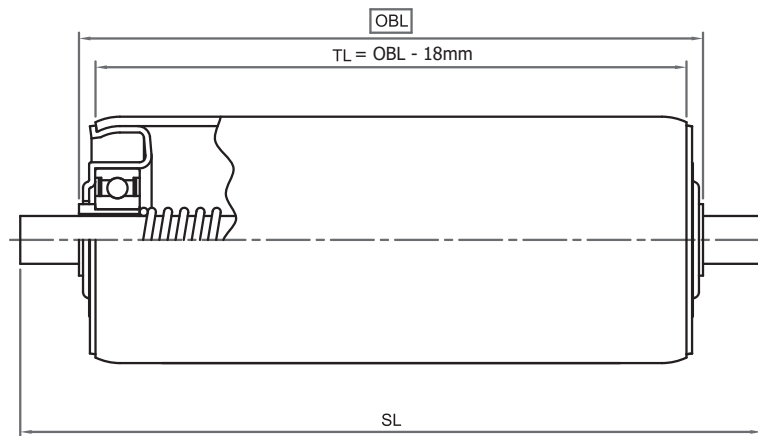


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material |            | Shaft         |       |       |       |       |       |
|-----------------------|---------------|------------|---------------|-------|-------|-------|-------|-------|
|                       | 2.3mm Galv    | 3.2mm Galv | Spring Loaded |       |       | Fixed |       |       |
|                       |               |            | Ø12mm         | Ø16mm | Ø19mm | Ø12mm | Ø16mm | Ø19mm |
| 100                   | 280           | 350        | 250           | 350   | 350   | 300   | 350   | 350   |
| 200                   | 280           | 350        | 200           | 350   | 350   | 280   | 350   | 350   |
| 300                   | 280           | 350        | 160           | 350   | 350   | 250   | 350   | 350   |
| 400                   | 280           | 350        | 120           | 350   | 350   | 250   | 350   | 350   |
| 500                   | 240           | 350        | 80            | 300   | 350   | 250   | 350   | 350   |
| 600                   | 140           | 350        | 50            | 260   | 350   | 250   | 350   | 350   |
| 700                   | 100           | 350        | 30            | 210   | 350   | 250   | 350   | 350   |
| 800                   | 80            | 280        | 20            | 180   | 350   | 250   | 350   | 350   |
| 1000                  | 60            | 110        |               | 140   | 320   | 250   | 350   | 350   |
| 1200                  | 40            | 80         |               | 110   | 260   | 250   | 350   | 350   |
| 1400                  | 20            | 70         |               | 100   | 240   | 250   | 350   | 350   |
| 1600                  |               | 50         |               | 80    | 200   | 250   | 350   | 350   |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

Scan to configure

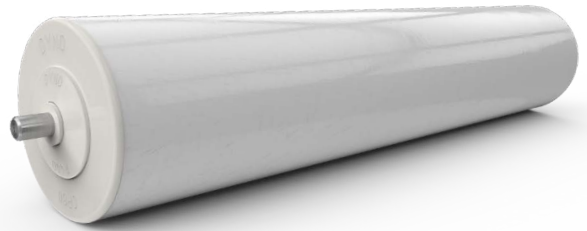


## CONVEYOR ROLLERS

### 890 - Ø89mm Conveyor Roller

#### Technical Data

|                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| Tube Materials  | Ø89 x 3.8mm PVC                                                                             |
| Bearing Type    | White ABS reducer with either 480 or 482 bearings (blind option for Ø8mm and Ø9.5mm bushes) |
| Shaft Sizes     | Refer to 480, 480HD or 482 rollers                                                          |
| Shaft Materials | Mild Steel, Zinc Plated or Stainless Steel                                                  |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                               |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills or Slots                 |

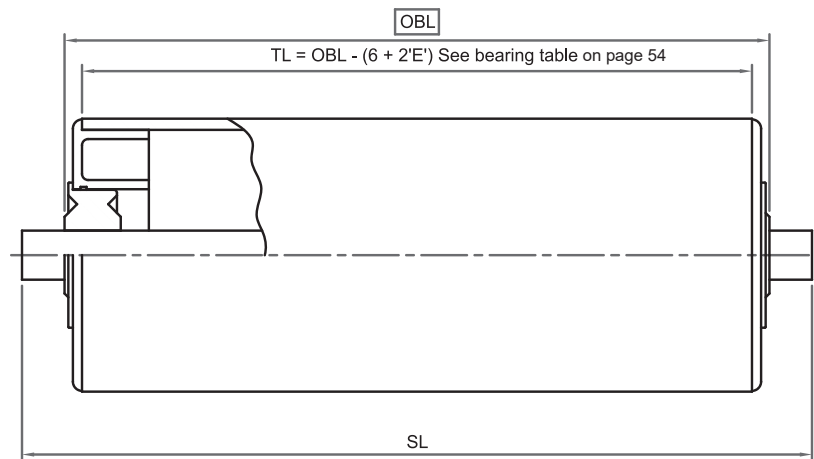


#### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



#### Load Ratings - KG (minimum applies)

| Roller Length | Tube Material | Shaft              |                      |                    |
|---------------|---------------|--------------------|----------------------|--------------------|
| (mm)          | Plastic       |                    |                      |                    |
| 100           | 50            | See 480<br>page 50 | See 480HD<br>page 50 | See 482<br>page 50 |
| 200           | 50            |                    |                      |                    |
| 300           | 50            |                    |                      |                    |
| 400           | 50            |                    |                      |                    |
| 500           | 50            |                    |                      |                    |
| 600           | 50            |                    |                      |                    |
| 700           | 40            |                    |                      |                    |
| 800           | 28            |                    |                      |                    |
| 900           | 20            |                    |                      |                    |
| 1000          | 12            |                    |                      |                    |
| 1100          | 10            |                    |                      |                    |
| 1200          | 5             |                    |                      |                    |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

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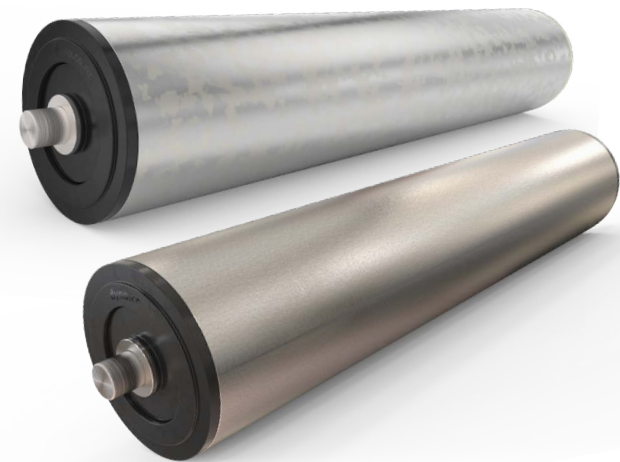
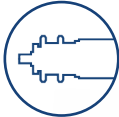


CONVEYOR ROLLERS

897 - Ø89mm Precision Conveyor Roller

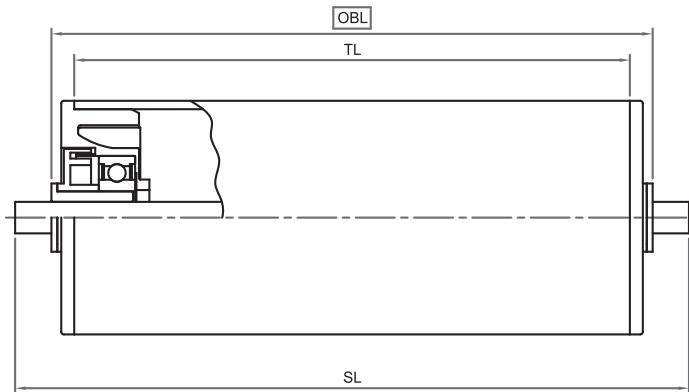
Technical Data

|                 |                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------|
| Tube Materials  | Ø89 x 3.2mm Galvanised Steel<br>Ø89 x 3mm Stainless Steel                                                   |
| Bearing Type    | Precision bearing (6204) in black polycarbonate housing with black polypropylene labyrinth and reducer bush |
| Bearing Options | Stainless Steel Precision Bearing                                                                           |
| Shaft Sizes     | Ø12mm, Ø16mm or Ø20mm                                                                                       |
| Shaft Materials | Mild Steel, Zinc Plated Mild Steel or Stainless Steel                                                       |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                                               |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills or Slots                                 |



Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings  
TL = Tube Length or face width of the tube only excluding bearing housing  
SL = Shaft Length



TL = OBL - 18mm (Ø12 & Ø16mm)  
= OBL - 15.5mm (Ø20mm)

Load Ratings - KG (minimum applies)

| Roller Length<br><br>(mm) | Tube Material |             |     | Shaft         |       |       |       |       |       |
|---------------------------|---------------|-------------|-----|---------------|-------|-------|-------|-------|-------|
|                           | Aluminium     | Galv. steel | S/S | Spring Loaded |       |       | Fixed |       |       |
|                           |               |             |     | Ø12mm         | Ø16mm | Ø20mm | Ø12mm | Ø16mm | Ø20mm |
| 100                       | 350           | 360         | 360 | 250           | 360   | 360   | 350   | 360   | 360   |
| 200                       | 350           | 360         | 360 | 200           | 360   | 360   | 325   | 360   | 360   |
| 300                       | 350           | 360         | 360 | 160           | 360   | 360   | 325   | 360   | 360   |
| 400                       | 350           | 360         | 360 | 120           | 360   | 360   | 325   | 360   | 360   |
| 600                       | 250           | 360         | 360 | 80            | 280   | 360   | 325   | 360   | 360   |
| 800                       | 150           | 360         | 360 | 50            | 200   | 360   | 325   | 360   | 360   |
| 1000                      | 80            | 360         | 360 | 30            | 160   | 320   | 325   | 360   | 360   |
| 1200                      | 50            | 360         | 360 | 20            | 140   | 260   | 325   | 360   | 360   |
| 1400                      | 30            | 350         | 360 |               | 120   | 200   | 325   | 360   | 360   |
| 1600                      | 10            | 300         | 320 |               | 100   | 140   | 325   | 360   | 360   |
| 1800                      | 2             | 200         | 220 |               | 70    | 120   | 325   | 360   | 360   |
| 2000                      |               | 130         | 160 |               | 50    | 100   | 325   | 360   | 360   |

\* Shaded sizes not recommended  
\* For central point load, reduce rating by 1/3

Scan to configure

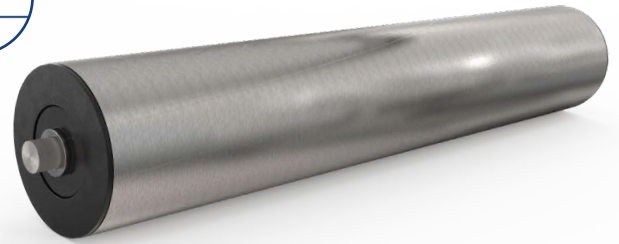
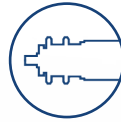


# CONVEYOR ROLLERS

## 1147 - Ø114mm Precision Conveyor Roller

### Technical Data

|                 |                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------|
| Tube Materials  | Ø114 x 6mm PVC<br>Ø114 x 6mm Black Mild Steel<br>Ø114 x 6mm Stainless Steel                               |
| Bearing Type    | Black polycarbonate housing with black polypropylene labyrinth and reducer bush. 6204 precision bearings. |
| Bearing Options | Stainless Steel Precision Bearing                                                                         |
| Shaft Sizes     | Ø12mm, Ø16mm or Ø20mm                                                                                     |
| Shaft Materials | Mild Steel, Zinc Plated Mild Steel or Stainless Steel                                                     |
| Shaft Type      | Spring Loaded, Fixed or Loose                                                                             |
| Shaft Options   | Female Threads, Male Threads, Flats, Circlip Grooves, Cross Drills or Slots                               |

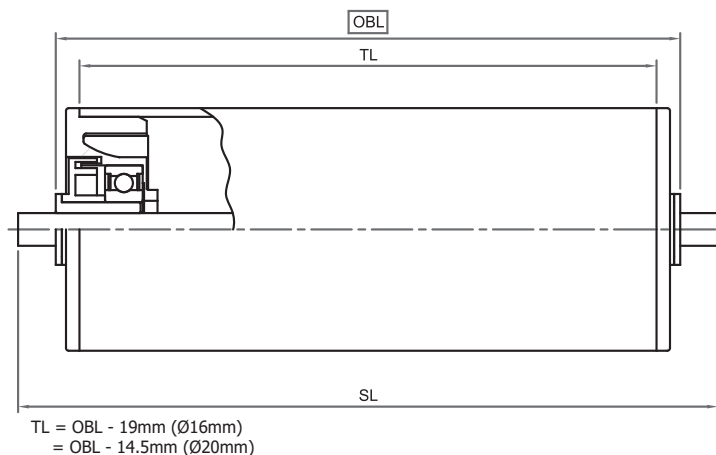


### Dimensions

OBL = Over Bearing Length, length of rollers measured from outside of bearings

TL = Tube Length or face width of the tube only excluding bearing housing

SL = Shaft Length



### Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material |                  |     | Shaft         |       |       |       |       |       |
|-----------------------|---------------|------------------|-----|---------------|-------|-------|-------|-------|-------|
|                       | PVC           | Black Mild Steel | S/S | Spring Loaded |       |       | Fixed |       |       |
|                       |               |                  |     | Ø12mm         | Ø16mm | Ø20mm | Ø12mm | Ø16mm | Ø20mm |
| 100                   | 50            | 360              | 360 | 250           | 360   | 360   | 350   | 360   | 360   |
| 200                   | 50            | 360              | 360 | 200           | 360   | 360   | 325   | 360   | 360   |
| 300                   | 50            | 360              | 360 | 160           | 360   | 360   | 325   | 360   | 360   |
| 400                   | 50            | 360              | 360 | 120           | 360   | 360   | 325   | 360   | 360   |
| 600                   | 50            | 360              | 360 | 80            | 280   | 360   | 325   | 360   | 360   |
| 800                   | 28            | 360              | 360 | 50            | 200   | 360   | 325   | 360   | 360   |
| 1000                  | 12            | 360              | 360 | 30            | 160   | 320   | 325   | 360   | 360   |
| 1200                  | 5             | 360              | 360 | 20            | 140   | 260   | 325   | 360   | 360   |
| 1400                  |               | 360              | 360 |               | 120   | 200   | 325   | 360   | 360   |
| 1600                  |               | 350              | 360 |               | 100   | 140   | 325   | 360   | 360   |
| 1800                  |               | 300              | 320 |               | 70    | 120   | 325   | 360   | 360   |
| 2000                  |               | 200              | 220 |               | 50    | 100   | 325   | 360   | 360   |

\* Shaded sizes not recommended

\* For central point load, reduce rating by 1/3

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Sprocket/Pulley Driven Rollers

Technical Data

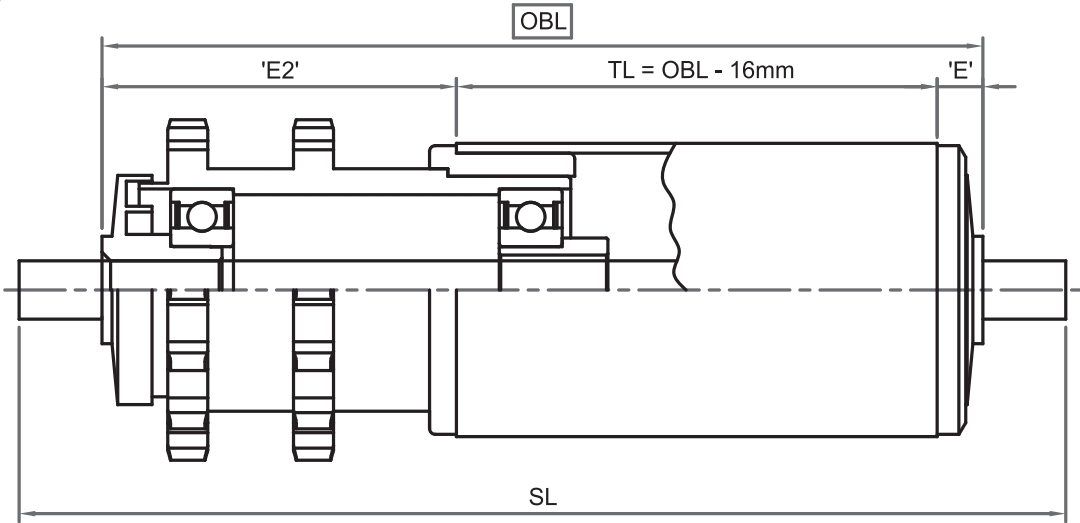
|                 |                                                                                                                     |                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Tube Materials  | Ø50 x 1.5mm PVC, Galvanised or S/S<br>Ø60 x 2.3mm PVC, Galvanised or S/S<br>Ø89 x 4mm Galvanised or Stainless Steel |                                   |
| Bearing Type    | Precision bearing                                                                                                   |                                   |
| Shaft Sizes     | Ø12mm Standard                                                                                                      |                                   |
| Shaft Materials | Stainless Steel<br>Mild Steel<br>Zinc Plated Mild Steel                                                             |                                   |
| Shaft Type      | Spring Loaded<br>Fixed<br>Loose                                                                                     |                                   |
| Shaft Options   | Cross Drills<br>Flats<br>Female Threads                                                                             | Slots<br>Male Threads<br>Circlips |



Max Product Weight = 200kg  
Max Total Product Weight on Conveyor = 2 Tonnes  
Max Length of Conveyor = 50 rollers or 15m each direction from drive, whichever is greater.

Dimensions

E = Bearing Extension  
E2 = Sprocket Extension  
OBL = Over Bearing Length, length of rollers measured from outside of bearings  
SL = Shaft Length



|                       | 'E'       |        |        | 'E2'              |
|-----------------------|-----------|--------|--------|-------------------|
|                       | Tube Size |        |        | Ø50, Ø60, & Ø89mm |
|                       | Ø50mm     | Ø60mm  | Ø89mm  |                   |
| Z11S                  | 8         | 7.5    | 9.5    | 32                |
| Z14S                  | 8         | 7.5    | 9.5    | 39                |
| Z14D                  | 8         | 7.5    | 9.5    | 61                |
| TB20                  | 8         | 7.5    | 9.5    | 49.5              |
| Bearing Type          | 507       | 607    | 897    |                   |
| Accumulating Pressure | 4 – 7%    | 2 - 5% | 1 – 3% |                   |

\* Double accumulating pressure for double ended drive

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## CONVEYOR ROLLERS

### Loose (accumulating roller) Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material |           |                  |       | Shaft         |       |       |       |
|-----------------------|---------------|-----------|------------------|-------|---------------|-------|-------|-------|
|                       | Dynopipe      | Aluminium | Galvanised Steel |       | Spring Loaded |       | Fixed |       |
|                       | Ø50mm         | Ø50mm     | Ø50mm            | Ø60mm | Ø12mm         | Ø14mm | Ø12mm | Ø14mm |
| 200                   | 30            | 45        | 50               | 50    | 50            | 50    | 50    | 50    |
| 300                   | 30            | 45        | 50               | 50    | 45            | 50    | 50    | 50    |
| 400                   | 28            | 40        | 50               | 50    | 40            | 50    | 50    | 50    |
| 500                   | 16            | 30        | 50               | 50    | 36            | 50    | 50    | 50    |
| 600                   | 12            | 25        | 50               | 50    | 28            | 45    | 50    | 50    |
| 700                   | 5             | 20        | 50               | 50    | 23            | 43    | 50    | 50    |
| 800                   | 3             | 10        | 50               | 50    | 19            | 37    | 50    | 50    |
| 900                   | 2             | 5         | 50               | 50    | 17            | 32    | 50    | 50    |
| 1000                  | 1             | 2         | 50               | 50    | 15            | 28    | 50    | 50    |
| 1100                  |               |           | 50               | 50    | 13            | 25    | 50    | 50    |
| 1200                  |               |           | 50               | 50    | 12            | 23    | 50    | 50    |
| 1300                  |               |           | 45               | 50    | 11            | 21    | 50    | 50    |
| 1400                  |               |           | 35               | 45    | 10            | 20    | 50    | 50    |
| 1500                  |               |           | 20               | 35    | 9             | 18    | 50    | 50    |

- Max. static load 40kg.
- Z9S - Max. static load 20kg.
- Ø60 & Ø89 tubes – Max. 50kg
- Ø10mm shaft – Max. 20kg up to 500 long.
- Ø8mm shaft – Max. 10kg up to 250 long

### Fixed Load Ratings - KG (minimum applies)

| Roller Length<br>(mm) | Tube Material |           |                  |       | Shaft         |       |       |       |
|-----------------------|---------------|-----------|------------------|-------|---------------|-------|-------|-------|
|                       | Dynopipe      | Aluminium | Galvanised Steel |       | Spring Loaded |       | Fixed |       |
|                       | Ø50mm         | Ø50mm     | Ø50mm            | Ø60mm | Ø12mm         | Ø14mm | Ø12mm | Ø14mm |
| 200                   | 30            | 45        | 90               | 85    | 50            | 90    | 55    | 90    |
| 300                   | 30            | 45        | 90               | 85    | 45            | 80    | 55    | 90    |
| 400                   | 28            | 45        | 90               | 85    | 40            | 70    | 55    | 90    |
| 500                   | 16            | 40        | 90               | 85    | 36            | 68    | 55    | 90    |
| 600                   | 12            | 30        | 90               | 85    | 28            | 52    | 55    | 90    |
| 700                   | 5             | 25        | 90               | 85    | 23            | 43    | 55    | 90    |
| 800                   | 3             | 20        | 90               | 85    | 19            | 36    | 55    | 90    |
| 900                   | 2             | 10        | 90               | 85    | 16            | 31    | 55    | 90    |
| 1000                  | 1             | 6         | 85               | 85    | 15            | 28    | 55    | 90    |
| 1100                  |               | 4         | 80               | 85    | 13            | 25    | 55    | 90    |
| 1200                  |               | 2         | 65               | 85    | 12            | 22    | 55    | 90    |
| 1300                  |               |           | 45               | 80    | 11            | 20    | 55    | 80    |
| 1400                  |               |           | 35               | 65    | 10            | 18    | 55    | 80    |
| 1500                  |               |           | 25               | 50    | 9             | 17    | 50    | 80    |

- Max. static load 75kg.
- Z9S - Max. static load 30kg.
- Ø60 & Ø89 tubes – Max. 80kg
- Ø10mm shaft – Max. 20kg up to 500 long.
- Ø8mm shaft – Max. 10kg up to 250 long.



Trough Roller Assemblies

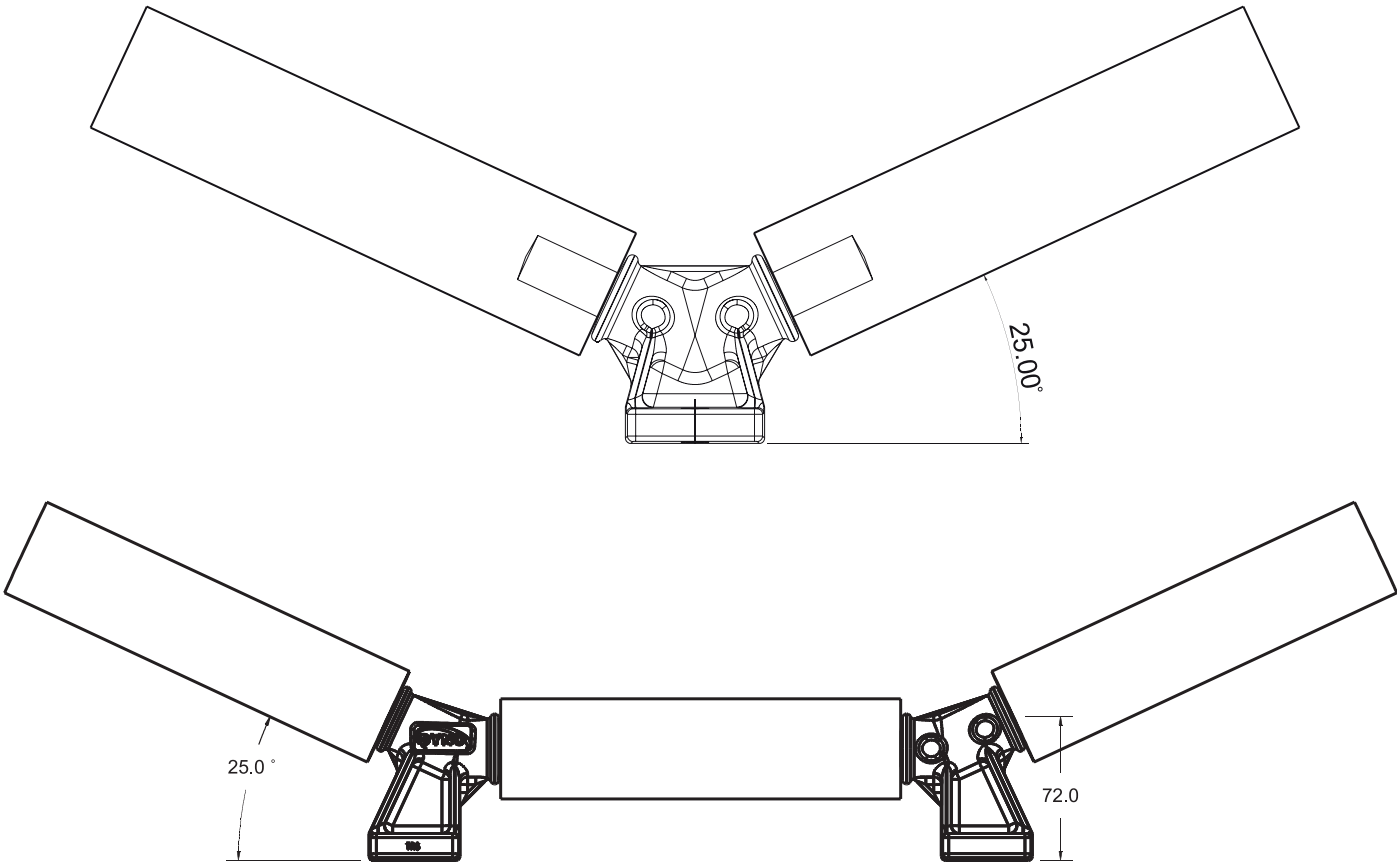
Technical Data

|                 |                                                                    |     |     |     |
|-----------------|--------------------------------------------------------------------|-----|-----|-----|
| Tube Materials  | Ø50 x 1.5mm Galvanised Steel<br>Ø60mm available on special request |     |     |     |
| Bearing Type    | Precision bearing                                                  |     |     |     |
| Shaft Sizes     | Ø20mm Standard                                                     |     |     |     |
| Shaft Materials | Stainless Steel<br>Mild Steel<br>Zinc Plated Mild Steel            |     |     |     |
| Trough Brackets | TRC - Centre<br>TRS - Offset                                       |     |     |     |
| Belt Width      | 300                                                                | 400 | 500 | 600 |
| Roller Length   | 150                                                                | 200 | 250 | 300 |

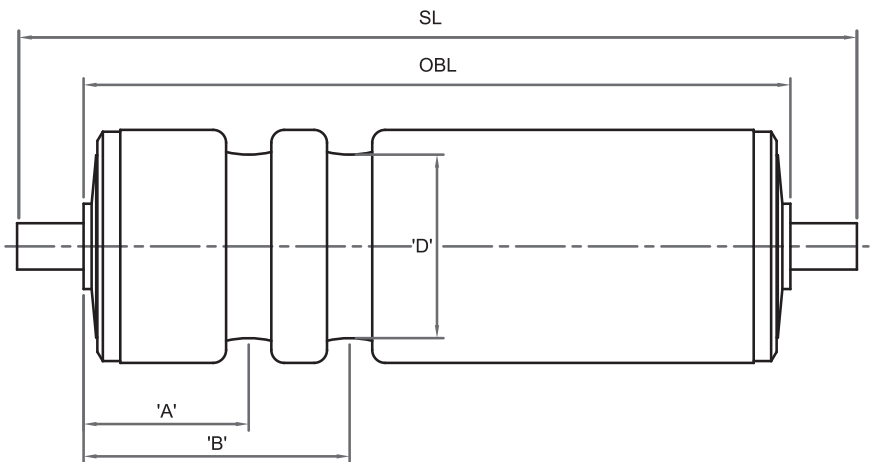


For wider belts, a combination of equal and outset brackets is used.

Dimensions

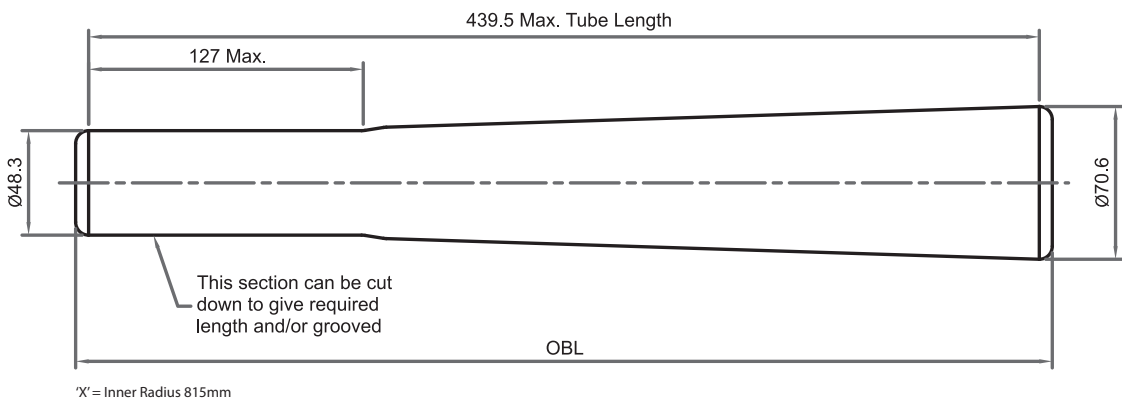


Roller Grooves



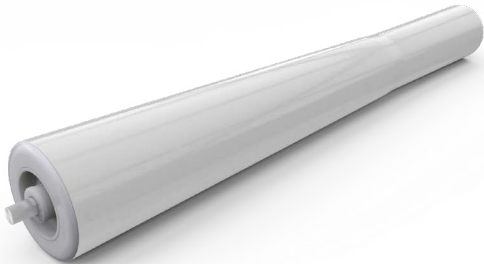
| Roller Type | Tube Material                          | A min (mm) | A-B min (mm) | D min (mm) |
|-------------|----------------------------------------|------------|--------------|------------|
| 482         | Dynopipe                               | 30         | 23           | 38         |
| 505         | Galvanised Steel                       | 25         | 22           | 40         |
| 507         | Plastic, Galvanised or Stainless Steel | 36         | 22           | 40         |
| 512         | Galvanised or Stainless Steel          | 30         | 24           | 41         |
| 605         | Galvanised Steel                       | 30         | 25           | 50         |
| 607         | Galvanised or Stainless Steel          | 38         | 25           | 50         |

Ø48mm Dynopipe Tapered Roller



'X' = Inner Radius 815mm

| Bearing Type | Maximum Overbearing Length |
|--------------|----------------------------|
| 480-5        | 453                        |
| 480-6.5      | 453                        |
| 480-8        | 453                        |
| 480-9.5      | 453                        |
| 480-10       | 453                        |
| 480-11       | 456.5                      |
| 480-12       | 456.5                      |
| 480-12B      | 456.5                      |
| 480-12.7     | 456.5                      |
| 480HD        | 449                        |
| 482          | 446.5                      |
| 482 sealed   | 448                        |



## Tapered Rollers

Technical drawing of a tapered shaft with 10 segments. The shaft is shown in profile, tapering from left to right. The left end has an outer diameter of Ø54 and an inner diameter of Ø60.4. The right end has an outer diameter of Ø120 and an inner diameter of Ø113.4. The shaft is divided into 10 segments, each 195 mm long. The total length is 990 mm. The outer diameters at each segment boundary are: Ø54, Ø60.4, Ø67, Ø73.7, Ø80.3, Ø86.9, Ø93.5, Ø100.2, Ø106.8, and Ø113.4. The inner diameters at each segment boundary are: Ø60.4, Ø67, Ø73.7, Ø80.3, Ø86.9, Ø93.5, Ø100.2, Ø106.8, and Ø113.4. The segments are labeled T50/1 through T50/10. A dimension line at the bottom indicates 'X' = Inner Radius 800mm.

Technical drawing of a tapered shaft. The shaft is shown in profile, tapering from left to right. The dimensions are as follows:

- Overall length: 583
- Length of the first section: 483
- Length of the second section: 383
- Length of the third section: 283
- Length of the fourth section: 183
- Length of the fifth section: 83
- Radius at the left end: 34
- Radius at the first section: 39.6
- Radius at the second section: 46.4
- Radius at the third section: 53.2
- Radius at the fourth section: 59.9
- Radius at the fifth section: 66.7
- Radius at the right end: 73.5

x = Inner radius 500mm

Technical drawing of a tapered shaft. The shaft has a total length of 502 mm. The outer diameter at the left end is 24.5 mm, and at the right end, it is 57.5 mm. The inner diameter is constant at 9 mm. The shaft is divided into sections with specific lengths and diameters: a 9 mm section at the left end, a 102 mm section with an outer diameter of 31.2 mm, a 202 mm section with an outer diameter of 37.7 mm, a 302 mm section with an outer diameter of 44.4 mm, and a 402 mm section with an outer diameter of 50.9 mm. A dimension 'x' is indicated at the left end, representing the inner radius of 373 mm.

x = Inner radius 373mm

Rubber Coating

|                            |                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------|
| Materials                  | Black santoprene or grey natural rubber sleeve - blown on                                                 |
| Suits                      | Plastic, Galvanised and Stainless Steel Tube                                                              |
| Outside Diameter of Rubber | 38mm Tube - Ø42mm<br>48mm Tube - Ø52mm<br>50mm Tube - Ø54mm<br>50.8mm Tube - Ø54.8mm<br>60mm Tube - Ø64mm |



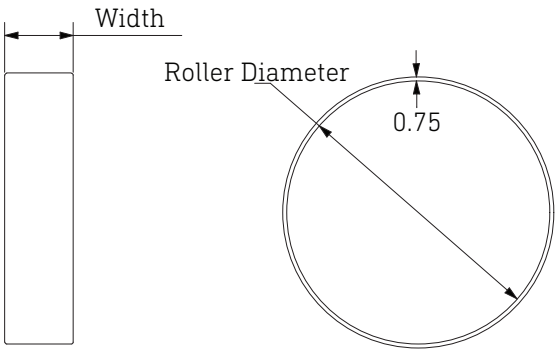
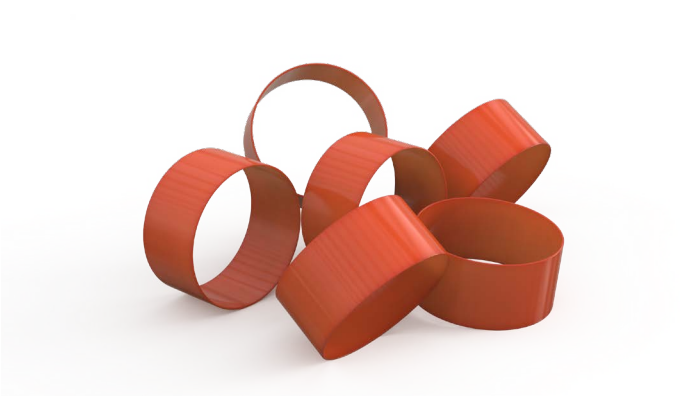
Urethane Coated or Lagged

Enquire for full specifications and range of options.



Tracking Sleeves

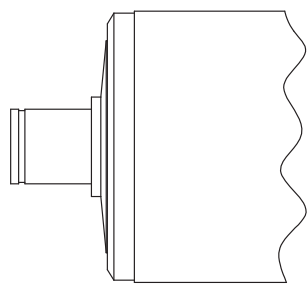
|              |                                                                                                                                                                                                      |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Materials    | 92A Orange and Clear Urethane                                                                                                                                                                        |
| Sizes        | .75mm thick to fit on Ø50mm diameter rollers with options of 12mm or 25mm wide. Other sizes available on request                                                                                     |
| Uses         | Crows rollers, preventing flat urethane belts from walking. Provides extra grips on rollers                                                                                                          |
| Part Numbers | 115-T50-12 - 12mm width to suit Ø50mm rollers<br>115-T50-25 - 25mm width to suit Ø50mm rollers<br>115-T60-12 - 12mm width to suit Ø60mm rollers<br>115-T89-12.7 - 12.7mm width to suit Ø89mm rollers |



Shaft Options

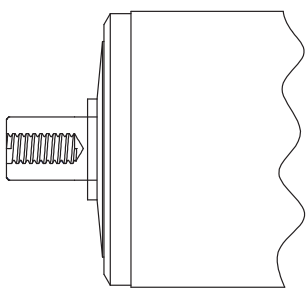
Dimensions supplied are examples only, contact Dyno for full range of options.

Circlips



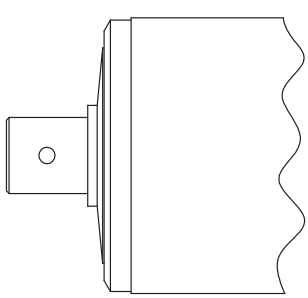
| Size |
|------|
| 10mm |
| 12mm |
| 16mm |
| 19mm |
| 20mm |

Female Thread



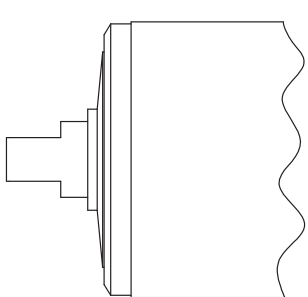
| Size | Depth |
|------|-------|
| M6   | 20    |
| M8   | 25    |
| M10  | 25    |
| M16  | 30    |
| M20  | 30    |

Cross Drills



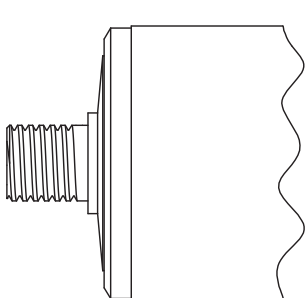
Standard size: Ø3mm  
Standard position in from end of shaft: 5mm

Flats



As per customer request

Male Threads



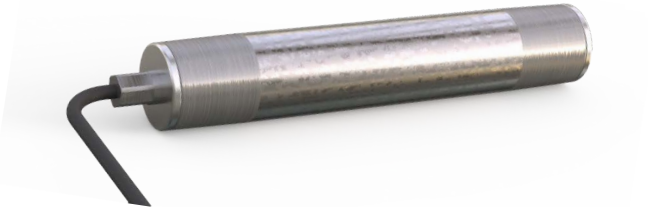
| Size |
|------|
| M6   |
| M8   |
| M10  |
| M12  |
| M16  |
| M20  |

PM320HS - Ø32mm Itoh Denki 24V DC Powered Roller



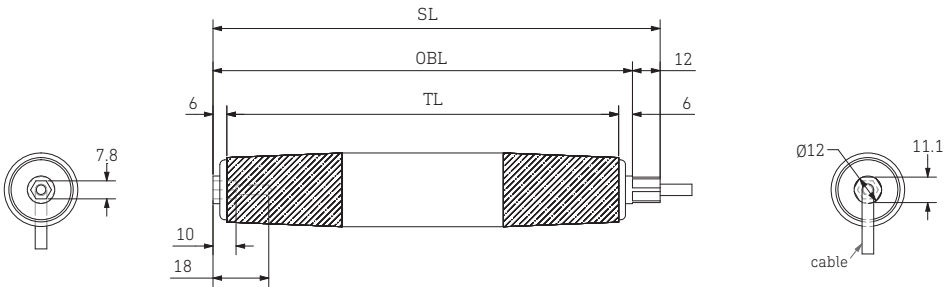
Technical Data

|                |                                                                                  |
|----------------|----------------------------------------------------------------------------------|
| Tube Materials | Ø32 Stainless Steel (Grade 304)                                                  |
| Motor Type     | FE 24V DC                                                                        |
| Nominal Speed  | 30m/min                                                                          |
| Tube Lengths   | 170mm (minimum)<br>270mm<br>370mm<br>470mm<br>(other sizes available on request) |
| Cable Length   | 1,000mm<br>(max recommended cable length is 3,000mm)                             |
| Belt Widths    | 200mm<br>300mm<br>400mm<br>500mm                                                 |

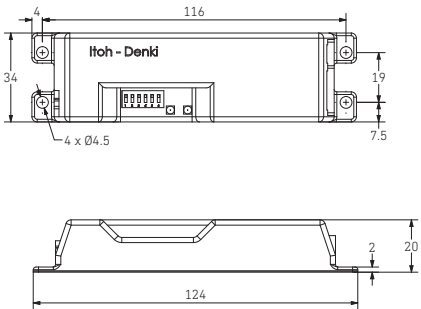


Dimensions

SL = Shaft Length  
OBL = Over Bearing Length, length of rollers measured from outside of bearings  
TL = Tube Length



CB018 Control Card



Operating Characteristics

Full operating manual and installation guide available on request.

| Operating Characteristics: CB-018 |               |         |                      |          |             |         |          |                |       |       |
|-----------------------------------|---------------|---------|----------------------|----------|-------------|---------|----------|----------------|-------|-------|
| Nominal Speed                     | Speed (m/min) |         | Tangential Force (N) |          | Current (A) |         |          | Driver Setting |       |       |
|                                   | No Load       | Nominal | Nominal              | Starting | No Load     | Nominal | Starting | SW4            | SW5   | SW6   |
| 30                                | 28.0          | 25.8    | 24.4                 | 37.2     | 0.32        | 0.90    | 2.2      | CN2-3          | CN2-4 | CN2-5 |
| 25                                | 24.7          | 24.7    | 24.5                 |          | 0.26        | 0.89    |          | ON             | ON    | ON    |
| 22                                | 22.0          | 22.0    | 24.9                 |          | 0.21        | 0.83    |          | ON             | ON    | OFF   |
| 19                                | 18.8          | 18.8    | 25.3                 |          | 0.20        | 0.74    |          | ON             | OFF   | ON    |
| 16                                | 15.9          | 15.9    | 25.8                 |          | 0.16        | 0.67    |          | ON             | OFF   | OFF   |
| 13                                | 13.0          | 13.0    | 26.2                 |          | 0.13        | 0.61    |          | OFF            | ON    | ON    |
| 10                                | 9.9           | 9.9     | 26.6                 |          | 0.10        | 0.53    |          | OFF            | ON    | OFF   |
| 6                                 | 5.8           | 5.8     | 27.2                 |          | 0.06        | 0.44    |          | OFF            | OFF   | ON    |
|                                   |               |         |                      |          |             |         |          | OFF            | OFF   | OFF   |

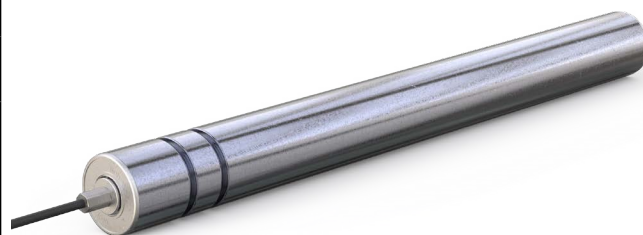
## 24V POWERED CONVEYOR ROLLERS

### PM500FE - Ø50mm Itoh Denki 24V DC Powered Roller



#### Technical Data

|                |                                                                                                                                                                                                                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tube Materials | Ø50 Zinc Plated Steel<br>Ø50 Stainless Steel                                                                                                                                                                                                                                                      |
| Motor Type     | FE<br>FP, XE and XP motor types available on request                                                                                                                                                                                                                                              |
| Nominal Speed  | 17m/min or 60m/min                                                                                                                                                                                                                                                                                |
| Tube Lengths   | 435mm - to suit 450IF<br>485mm - to suit 500IF<br>585mm - to suit 600IF<br>635mm - to suit 650IF<br>(Other sizes available on request)                                                                                                                                                            |
| Cable Length   | 1,000mm<br>(max recommended cable length is 3,000mm)                                                                                                                                                                                                                                              |
| Options        | Rubber Lagging - NR (Natural Rubber), UR (Urethane), NB (NBR), CR (Neoprene)<br>Built In Brake - BR (360mm min tube length)<br>Drip Proof - DR (300mm min tube length)<br>Water Proof - WA (310mm min tube length)<br>Poly V-Belt Pulley - VG<br>Double Grooved Tube - P2 (340mm min tube length) |

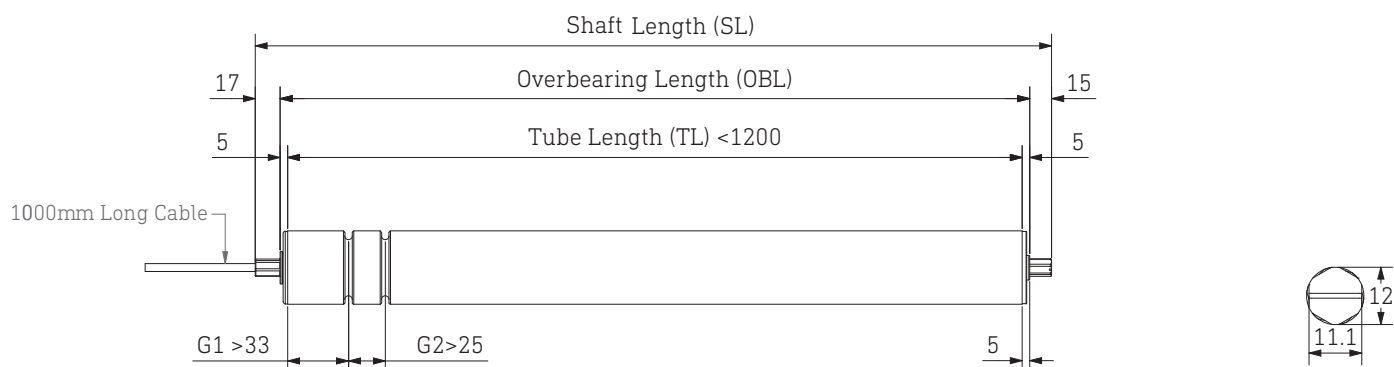


#### Dimensions

SL = Shaft length

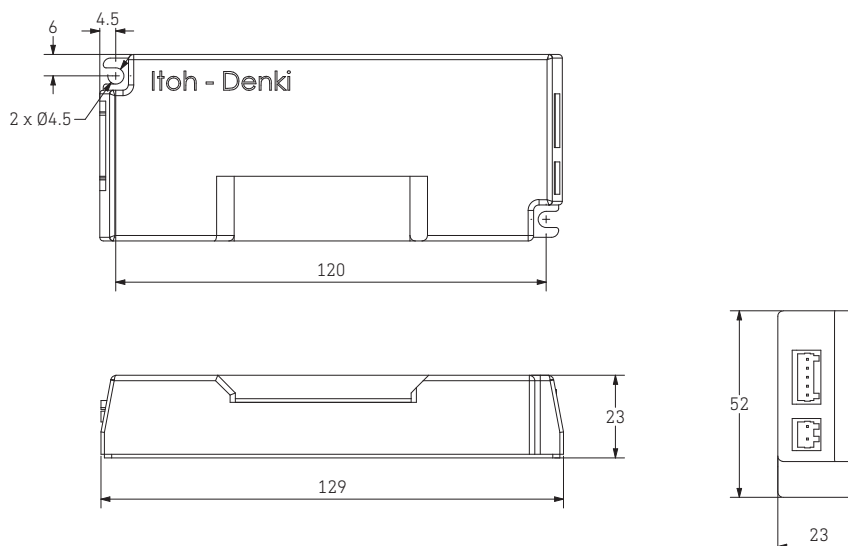
TL = Length of tube, excluding roller bearings or pulleys

OBL = Over Bearing Length, length of rollers measured from outside of bearings



#### CB016 Control Card

Other control cards available on request including ZPA (Zero Pressure Accumulation) and Ethernet Options





# 24V POWERED CONVEYOR ROLLERS

## Operating Characteristics - 17m/min

Full operating manual and installation guide available on request.

| Operating Characteristics with CB-016 Control Card - PM500FE-17 |                      |          |                   |          |                    |                     |                            |     |                               |
|-----------------------------------------------------------------|----------------------|----------|-------------------|----------|--------------------|---------------------|----------------------------|-----|-------------------------------|
| Speed<br>(m/min)                                                | Tangential Force (N) |          | Input Current (A) |          | Power Input<br>(W) | Power Output<br>(W) | Internal Rotary Switch No. |     | External Input<br>Voltage (V) |
| No-load                                                         | Rated                | Starting | No Load           | Starting |                    |                     | SW1#5                      | SW5 |                               |
| 17.4                                                            | 146                  | 335      | 0.8               | 4.0      | 50                 | 83                  | ON                         | 9   | 9.6~9.9                       |
| 15.9                                                            | 146                  |          | 0.7               |          | 50                 | 83                  |                            | 8   | 9.1~9.4                       |
| 15.2                                                            | 146                  |          | 0.7               |          | 50                 | 83                  |                            | 7   | 8.6~8.9                       |
| 14.5                                                            | 146                  |          | 0.6               |          | 50                 | 83                  |                            | 6   | 8.1~8.4                       |
| 13.7                                                            | 146                  |          | 0.6               |          | 50                 | 83                  |                            | 5   | 7.6~7.9                       |
| 13.0                                                            | 149                  |          | 0.6               |          | 47                 | 82                  |                            | 4   | 7.1~7.4                       |
| 11.6                                                            | 155                  |          | 0.5               |          | 45                 | 79                  |                            | 3   | 6.6~6.9                       |
| 10.9                                                            | 158                  |          | 0.5               |          | 42                 | 76                  |                            | 2   | 6.1~6.4                       |
| 10.1                                                            | 161                  |          | 0.5               |          | 39                 | 73                  |                            | 1   | 5.6~5.9                       |
| 9.4                                                             | 164                  |          | 0.5               |          | 37                 | 71                  |                            | 0   | 5.1~5.4                       |
| 8.7                                                             | 167                  |          | 0.4               |          | 36                 | 71                  | OFF                        | 9   | 4.6~4.9                       |
| 8.0                                                             | 170                  |          | 0.4               |          | 33                 | 70                  |                            | 8   | 4.1~4.4                       |
| 7.2                                                             | 173                  |          | 0.4               |          | 30                 | 66                  |                            | 7   | 3.6~3.9                       |
| 6.5                                                             | 176                  |          | 0.4               |          | 28                 | 61                  |                            | 6   | 3.1~3.4                       |
| 5.8                                                             | 179                  |          | 0.3               |          | 24                 | 61                  |                            | 5   | 2.6~2.9                       |
| 5.1                                                             | 182                  |          | 0.3               |          | 23                 | 60                  |                            | 4   | 2.1~2.4                       |
| 4.3                                                             | 186                  |          | 0.3               |          | 20                 | 54                  |                            | 3   | 1.6~1.9                       |
| 3.6                                                             | 189                  |          | 0.2               |          | 16                 | 53                  |                            | 2   | 1.1~1.4                       |
| 2.9                                                             | 192                  |          | 0.2               |          | 13                 | 50                  |                            | 1   | 0.6~0.9                       |
| 2.2                                                             | 195                  |          | 0.2               |          | 11                 | 47                  |                            | 0   | 0.1~0.4                       |

## Operating Characteristics - 60m/min

| Operating Characteristics with CB-016 Control Card - PM500FE-60 |                      |          |                   |          |                    |                     |                            |     |                               |
|-----------------------------------------------------------------|----------------------|----------|-------------------|----------|--------------------|---------------------|----------------------------|-----|-------------------------------|
| Speed<br>(m/min)                                                | Tangential Force (N) |          | Input Current (A) |          | Power Input<br>(W) | Power Output<br>(W) | Internal Rotary Switch No. |     | External Input<br>Voltage (V) |
| No-load                                                         | Rated                | Starting | No Load           | Starting |                    |                     | SW1#5                      | SW5 |                               |
| 61.7                                                            | 47                   | 107      | 0.8               | 4.0      | 50                 | 83                  | ON                         | 9   | 9.6~9.9                       |
| 56.6                                                            | 47                   |          | 0.7               |          | 50                 | 83                  |                            | 8   | 9.1~9.4                       |
| 54.0                                                            | 47                   |          | 0.7               |          | 50                 | 83                  |                            | 7   | 8.6~8.9                       |
| 51.4                                                            | 47                   |          | 0.6               |          | 50                 | 83                  |                            | 6   | 8.1~8.4                       |
| 48.9                                                            | 47                   |          | 0.6               |          | 50                 | 83                  |                            | 5   | 7.6~7.9                       |
| 46.3                                                            | 48                   |          | 0.6               |          | 47                 | 82                  |                            | 4   | 7.1~7.4                       |
| 41.2                                                            | 50                   |          | 0.5               |          | 45                 | 79                  |                            | 3   | 6.6~6.9                       |
| 38.6                                                            | 51                   |          | 0.5               |          | 42                 | 76                  |                            | 2   | 6.1~6.4                       |
| 36.0                                                            | 52                   |          | 0.5               |          | 39                 | 73                  |                            | 1   | 5.6~5.9                       |
| 33.4                                                            | 52                   |          | 0.5               |          | 37                 | 71                  |                            | 0   | 5.1~5.4                       |
| 30.9                                                            | 53                   |          | 0.4               |          | 36                 | 71                  | OFF                        | 9   | 4.6~4.9                       |
| 28.3                                                            | 54                   |          | 0.4               |          | 33                 | 70                  |                            | 8   | 4.1~4.4                       |
| 25.7                                                            | 55                   |          | 0.4               |          | 30                 | 66                  |                            | 7   | 3.6~3.9                       |
| 23.1                                                            | 56                   |          | 0.4               |          | 28                 | 61                  |                            | 6   | 3.1~3.4                       |
| 20.6                                                            | 57                   |          | 0.3               |          | 24                 | 61                  |                            | 5   | 2.6~2.9                       |
| 18.0                                                            | 58                   |          | 0.3               |          | 23                 | 60                  |                            | 4   | 2.1~2.4                       |
| 15.4                                                            | 59                   |          | 0.3               |          | 20                 | 54                  |                            | 3   | 1.6~1.9                       |
| 12.9                                                            | 60                   |          | 0.2               |          | 16                 | 53                  |                            | 2   | 1.1~1.4                       |
| 10.3                                                            | 61                   |          | 0.2               |          | 13                 | 50                  |                            | 1   | 0.6~0.9                       |
| 7.7                                                             | 62                   |          | 0.2               |          | 11                 | 47                  |                            | 0   | 0.1~0.4                       |

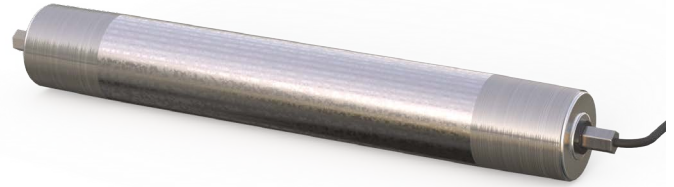
## 24V POWERED CONVEYOR ROLLERS

### PM605KT - Ø60mm Itoh Denki 24V DC Powered Roller



#### Technical Data

|                |                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Tube Materials | Ø60.5 Zinc Plated Steel<br>Ø60.5 Stainless Plated Steel                                                                             |
| Motor Type     | KT<br>FE, XE and XP Motor Types available on request                                                                                |
| Nominal Speed  | 15m/min or 55m/min                                                                                                                  |
| Tube Lengths   | 410mm - to suit 450BW<br>560mm - to suit 600BW<br>760mm - to suit 800BW<br>360mm min tube length (other sizes available on request) |
| Cable Length   | 1,000mm<br>(max recommended cable length is 3,000mm)                                                                                |
| Options        | Crowned Tube - PC<br>Poly V-Belt Pulley - KV                                                                                        |



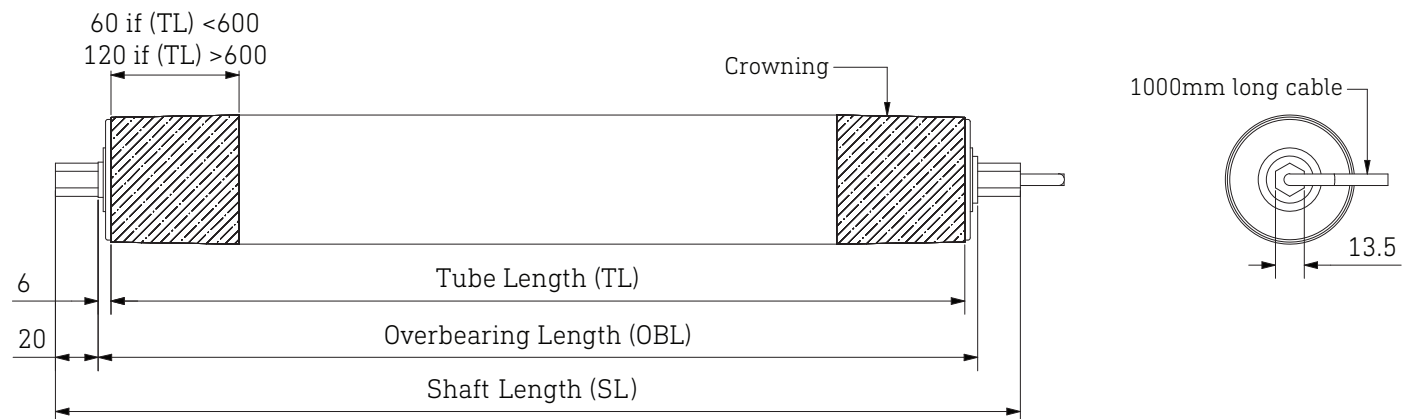
#### Dimensions

SL = Shaft length

TL = Length of tube excluding roller bearings or pulleys

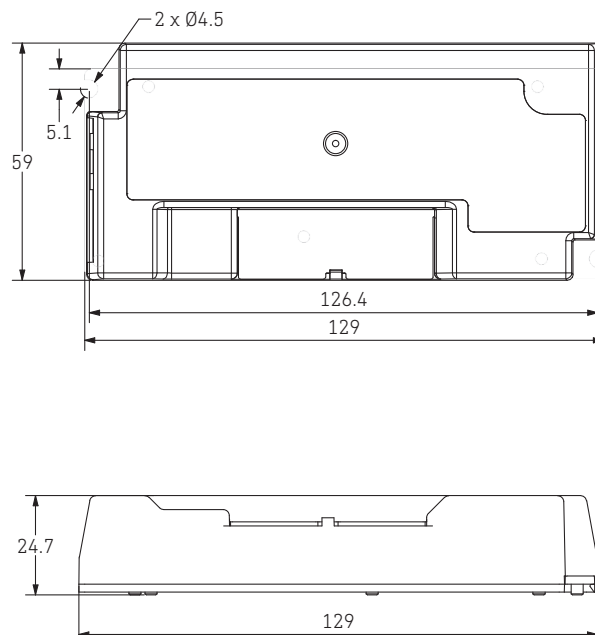
BW = Conveyor belt width

OBL = Over Bearing Length, length of rollers measured from outside of bearings



#### CBK109 Control Card

Other control cards available on request including ZPA (Zero Pressure Accumulation) and Ethernet Options



## 24V POWERED CONVEYOR ROLLERS

### Operating Characteristics - 15m/min

Full operating manual and installation guide available on request.

| Operating Characteristics with CBK-109 Control Card - PM605KT-15 |       |                      |          |             |          |                 |                  |                           |     |                            |
|------------------------------------------------------------------|-------|----------------------|----------|-------------|----------|-----------------|------------------|---------------------------|-----|----------------------------|
| Speed (m/min)                                                    |       | Tangential Force (N) |          | Current (A) |          | Power Input (W) | Power Output (W) | Internal Speed Adjustment |     | External Input Voltage (V) |
| Setting                                                          | Rated | Rated                | Starting | No Load     | Starting |                 |                  | SW1#5                     | SW5 |                            |
| 17.2                                                             | 16.7  | 152                  | 823      | 0.9         | 7.0      | 56              | 86               | ON                        | 9   | 9.6~9.9                    |
| 15.8                                                             | 15.8  | 170                  |          | 0.9         |          | 56              | 86               |                           | 8   | 9.1~9.4                    |
| 15.1                                                             | 15.1  | 177                  |          | 0.9         |          | 55              | 84               |                           | 7   | 8.6~8.9                    |
| 14.3                                                             | 14.3  | 184                  |          | 0.8         |          | 53              | 82               |                           | 6   | 8.1~8.4                    |
| 13.6                                                             | 13.6  | 191                  |          | 0.8         |          | 52              | 79               |                           | 5   | 7.6~7.9                    |
| 12.9                                                             | 12.9  | 198                  |          | 0.8         |          | 51              | 79               |                           | 4   | 7.1~7.4                    |
| 11.5                                                             | 11.5  | 212                  |          | 0.7         |          | 47              | 74               |                           | 3   | 6.6~6.9                    |
| 10.7                                                             | 10.7  | 218                  |          | 0.7         |          | 45              | 72               |                           | 2   | 6.1~6.4                    |
| 10.0                                                             | 10.0  | 225                  |          | 0.6         |          | 43              | 70               |                           | 1   | 5.6~5.9                    |
| 9.3                                                              | 9.3   | 232                  |          | 0.6         |          | 42              | 70               |                           | 0   | 5.1~5.4                    |
| 8.6                                                              | 8.6   | 241                  |          | 0.6         |          | 41              | 67               | OFF                       | 9   | 4.6~4.9                    |
| 7.9                                                              | 7.9   | 245                  |          | 0.5         |          | 38              | 65               |                           | 8   | 4.1~4.4                    |
| 7.2                                                              | 7.2   | 250                  |          | 0.5         |          | 35              | 62               |                           | 7   | 3.6~3.9                    |
| 6.4                                                              | 6.4   | 254                  |          | 0.5         |          | 32              | 58               |                           | 6   | 3.1~3.4                    |
| 5.7                                                              | 5.7   | 258                  |          | 0.5         |          | 28              | 55               |                           | 5   | 2.6~2.9                    |
| 5.0                                                              | 5.0   | 262                  |          | 0.5         |          | 24              | 50               |                           | 4   | 2.1~2.4                    |
| 4.3                                                              | 4.3   | 267                  |          | 0.4         |          | 22              | 48               |                           | 3   | 1.6~1.9                    |
| 3.6                                                              | 3.6   | 271                  |          | 0.4         |          | 19              | 43               |                           | 2   | 1.1~1.4                    |
| 2.9                                                              | 2.9   | 275                  |          | 0.4         |          | 15              | 38               |                           | 1   | 0.6~0.9                    |
| 2.2                                                              | 2.2   | 279                  |          | 0.4         |          | 12              | 36               |                           | 0   | 0.1~0.4                    |

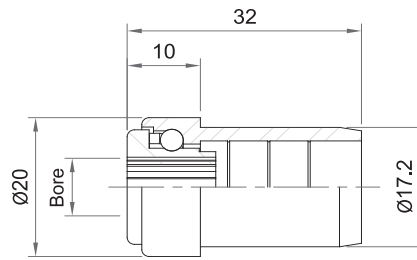
### Operating Characteristics - 55m/min

| Operating Characteristics with CBK-109 Control Card - PM605KT-55 |       |                      |          |             |          |                 |                  |                           |     |                            |
|------------------------------------------------------------------|-------|----------------------|----------|-------------|----------|-----------------|------------------|---------------------------|-----|----------------------------|
| Speed (m/min)                                                    |       | Tangential Force (N) |          | Current (A) |          | Power Input (W) | Power Output (W) | Internal Speed Adjustment |     | External Input Voltage (V) |
| Setting                                                          | Rated | Rated                | Starting | No Load     | Starting |                 |                  | SW1#5                     | SW5 |                            |
| 65.3                                                             | 63.5  | 42                   | 228      | 0.9         | 7.0      | 56              | 86               | ON                        | 9   | 9.6~9.9                    |
| 59.9                                                             | 59.9  | 47                   |          | 0.9         |          | 56              | 86               |                           | 8   | 9.1~9.4                    |
| 57.2                                                             | 57.2  | 49                   |          | 0.9         |          | 55              | 84               |                           | 7   | 8.6~8.9                    |
| 54.5                                                             | 54.5  | 51                   |          | 0.8         |          | 53              | 82               |                           | 6   | 8.1~8.4                    |
| 51.7                                                             | 51.7  | 53                   |          | 0.8         |          | 52              | 79               |                           | 5   | 7.6~7.9                    |
| 49.0                                                             | 49.0  | 55                   |          | 0.8         |          | 51              | 79               |                           | 4   | 7.1~7.4                    |
| 43.6                                                             | 43.6  | 59                   |          | 0.7         |          | 47              | 74               |                           | 3   | 6.6~6.9                    |
| 40.8                                                             | 40.8  | 61                   |          | 0.7         |          | 45              | 72               |                           | 2   | 6.1~6.4                    |
| 38.1                                                             | 38.1  | 62                   |          | 0.6         |          | 43              | 70               |                           | 1   | 5.6~5.9                    |
| 35.4                                                             | 35.4  | 64                   |          | 0.6         |          | 42              | 70               |                           | 0   | 5.1~5.4                    |
| 32.7                                                             | 32.7  | 67                   |          | 0.6         |          | 41              | 67               | OFF                       | 9   | 4.6~4.9                    |
| 29.9                                                             | 29.9  | 68                   |          | 0.5         |          | 38              | 65               |                           | 8   | 4.1~4.4                    |
| 27.2                                                             | 27.2  | 69                   |          | 0.5         |          | 35              | 62               |                           | 7   | 3.6~3.9                    |
| 24.5                                                             | 24.5  | 70                   |          | 0.5         |          | 32              | 58               |                           | 6   | 3.1~3.4                    |
| 21.8                                                             | 21.8  | 72                   |          | 0.5         |          | 28              | 55               |                           | 5   | 2.6~2.9                    |
| 19.1                                                             | 19.1  | 73                   |          | 0.5         |          | 24              | 50               |                           | 4   | 2.1~2.4                    |
| 16.4                                                             | 16.4  | 74                   |          | 0.4         |          | 22              | 48               |                           | 3   | 1.6~1.9                    |
| 13.6                                                             | 13.6  | 75                   |          | 0.4         |          | 19              | 43               |                           | 2   | 1.1~1.4                    |
| 10.9                                                             | 10.9  | 76                   |          | 0.4         |          | 15              | 38               |                           | 1   | 0.6~0.9                    |
| 8.2                                                              | 8.2   | 77                   |          | 0.4         |          | 12              | 36               |                           | 0   | 0.1~0.4                    |

## ROLLER BEARINGS

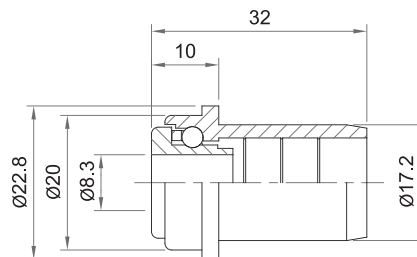
### 202 Ball Bearing

|                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| Load Capacity   | 5kg                                                                                         |
| Materials       | Grey polypropylene inner and outer race with stainless steel caged balls                    |
| Tube Sizes      | Ø20 x 1.5mm Aluminium<br>Ø19 x 1.2mm Stainless Steel                                        |
| Bore Diameters  | Ø6mm<br>Ø8mm                                                                                |
| Part Numbers    | 105-202-06<br>105-202-08                                                                    |
| Examples of Use | Gravity conveyors best suited for carrying small product or items that need lots of support |



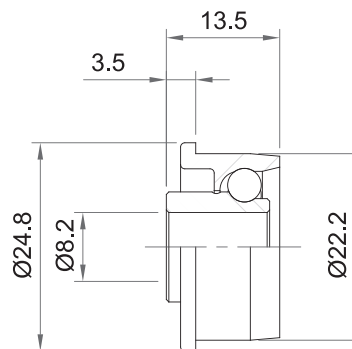
### 202T Ball Bearing

|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| Load Capacity   | 5kg                                                                                                    |
| Materials       | Grey polypropylene inner and outer race with stainless steel caged balls                               |
| Tube Sizes      | Ø20 x 1.5mm Aluminium<br>Ø19 x 1.2mm Stainless Steel                                                   |
| Bore Diameters  | Ø8mm                                                                                                   |
| Part Numbers    | 105-202T-08                                                                                            |
| Examples of Use | Extra flange on head to retain tapered elements. Best suited for tapered rollers on tight radius bends |



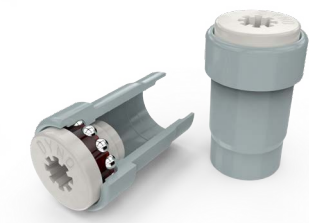
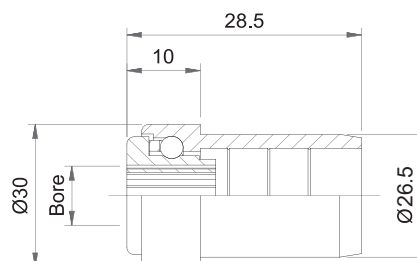
### 252 Ball Bearing

|                 |                                                                                                                                    |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------|
| Load Capacity   | 10kg                                                                                                                               |
| Materials       | Acetal inner and outer race with stainless steel or plastic balls                                                                  |
| Tube Sizes      | Ø25.4 x 1.5mm Galvanised Steel<br>Ø25.4 x 1.5mm Stainless Steel<br>Ø25 x 1.4mm PVC                                                 |
| Bore Diameters  | Ø8mm                                                                                                                               |
| Part Numbers    | 105-252-08                                                                                                                         |
| Examples of Use | Gravity conveyors best suited for carrying small products or items that need lots of support. Used in our Minibelt support rollers |
| Options         | Greased (GR)                                                                                                                       |



### 302 Ball Bearing

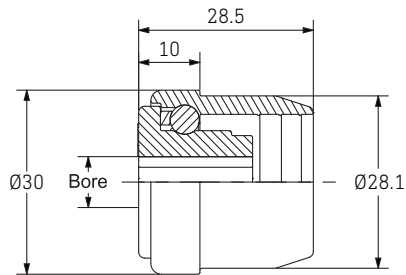
|                 |                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------|
| Load Capacity   | 7kg                                                                                                     |
| Materials       | Grey polypropylene inner and outer race with stainless steel caged balls                                |
| Tube Sizes      | Ø30 x 1.6mm Aluminium<br>Ø30 x 1.75mm Dynopipe                                                          |
| Bore Diameters  | Ø6mm<br>Ø8mm<br>Ø10mm                                                                                   |
| Part Numbers    | 105-302-06<br>105-302-08<br>105-302-10                                                                  |
| Examples of Use | Light duty gravity conveyors best suited for carrying small products or items that need lots of support |



## ROLLER BEARINGS

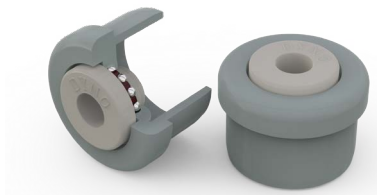
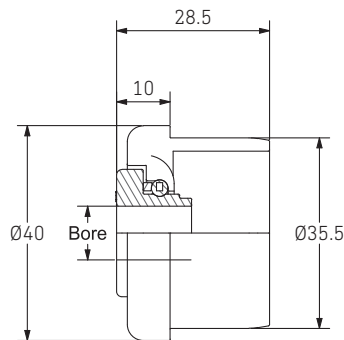
### 322 Ball Bearing

|                 |                                                                          |
|-----------------|--------------------------------------------------------------------------|
| Load Capacity   | 7kg                                                                      |
| Materials       | Grey polypropylene inner and outer race with stainless steel caged balls |
| Tube Sizes      | Ø32 x 1.6mm Galvanised Steel<br>Ø31.8 x 1.5mm Stainless Steel            |
| Bore Diameters  | Ø6mm<br>Ø8mm<br>Ø10mm                                                    |
| Part Numbers    | 105-322-06<br>105-322-08<br>105-322-10                                   |
| Examples of Use | Light duty gravity conveyors                                             |



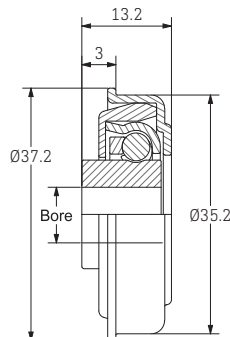
### 382 Ball Bearing

|                 |                                                                          |
|-----------------|--------------------------------------------------------------------------|
| Load Capacity   | 7kg                                                                      |
| Materials       | Grey polypropylene inner and outer race with stainless steel caged balls |
| Tube Sizes      | Ø38 x 1.6mm Galvanised Steel<br>Ø38 x 1.5mm Stainless Steel              |
| Bore Diameters  | Ø8mm<br>Ø10mm                                                            |
| Part Numbers    | 105-382-08<br>105-382-10                                                 |
| Examples of Use | Light duty gravity conveyors                                             |



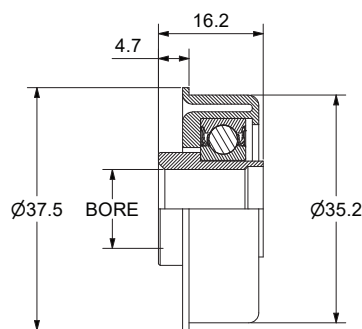
### 383c Ball Bearing

|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Load Capacity   | 50kg                                                                    |
| Materials       | Zinc plated steel bearing and holder with plastic ball cage             |
| Tube Sizes      | Ø38 x 1.6mm Galvanised Steel                                            |
| Bore Diameters  | Ø8mm<br>Ø10mm                                                           |
| Part Numbers    | 105-383C-08<br>105-383C-10                                              |
| Examples of Use | Gravity conveyors, bag pick-up rollers.<br>Very quiet and free running. |



### 385 Ball Bearing

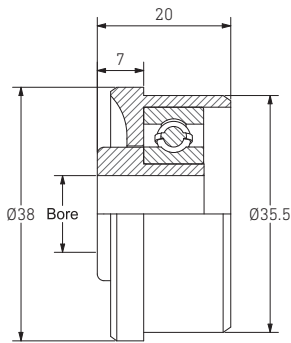
|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| Load Capacity   | 50kg                                                                                                       |
| Materials       | Zinc plated steel bearing housing and bush with 6902 ZZ bearing                                            |
| Tube Sizes      | Ø38 x 1.6mm Galvanised Steel<br>Ø38 x 1.5mm Stainless Steel                                                |
| Bore Diameters  | Ø8mm<br>Ø10mm<br>11mm Hex<br>Ø12mm                                                                         |
| Part Numbers    | 105-385-08<br>105-385-10<br>105-385-11H<br>105-385-12                                                      |
| Examples of Use | Driven rollers or continuous running.<br>Best suited when plastic housing is not desirable (e.g. freezers) |



ROLLER BEARINGS

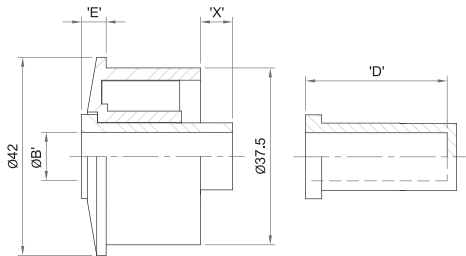
387 Precision Bearing

|                 |                                                             |
|-----------------|-------------------------------------------------------------|
| Load Capacity   | 70kg                                                        |
| Materials       | Black Acetal                                                |
| Tube Sizes      | Ø38 x 1.6mm Galvanised Steel<br>Ø38 x 1.5mm Stainless Steel |
| Bore Diameters  | Ø10mm<br>11mm Hex                                           |
| Part Numbers    | 105-387-10<br>105-387-11H                                   |
| Examples of Use | Driven rollers or continuous running.                       |
| Options         | Stainless Steel Bearings (SS)                               |



420 (P32D) Bushed Bearing

|                |                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------|
| Load Capacity  | 15kg                                                                                                                   |
| Materials      | White ABS                                                                                                              |
| Tube Sizes     | Ø42 x 2.5mm PVC                                                                                                        |
| Bore Diameters | Ø5mm<br>Ø6mm<br>Ø8mm - Blind option available<br>Ø9.5mm - Blind option available<br>Ø10mm<br>Ø11mm<br>Ø12mm<br>Ø12.7mm |

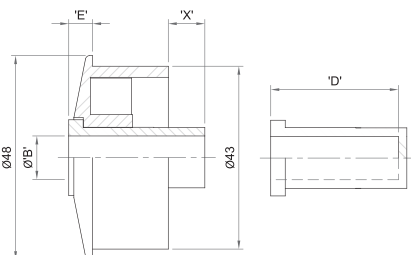


| Part Numbers  | Bush Material | Bore Size 'B' (mm) | Extension 'E' (mm) | Inside Extension 'X' (mm) | Useable Depth of Blind Bush 'D' (mm) |
|---------------|---------------|--------------------|--------------------|---------------------------|--------------------------------------|
| 105-420-05    | White Acetal  | 5.1                | 5.5                | 6.5                       |                                      |
| 105-420-06    | White Acetal  | 6.5                | 5.5                | 6.5                       |                                      |
| 105-420-08    | White Acetal  | 8.7                | 5.5                | 6.5                       |                                      |
| 105-420-08B   | White Acetal  | 8.7                | 5.5                | 6.5                       | 17                                   |
| 105-420-09.5  | White Acetal  | 10                 | 5.5                | 6.5                       |                                      |
| 105-420-09.5B | White Acetal  | 10                 | 5.5                | 6.5                       | 30                                   |
| 105-420-10    | White Acetal  | 10.4               | 5.5                | 6.5                       |                                      |
| 105-1420-11   | Black Nylon   | 11.1               | 7.25               |                           |                                      |
| 105-420-12B   | Black Nylon   | 12.5               | 4.5                |                           | 20                                   |
| 105-420-12.7  | Black Nylon   | 12.8               | 7.25               |                           |                                      |

## ROLLER BEARINGS

### 480 (P40D) Bushed Bearing

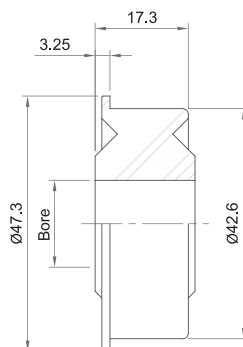
|                |                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------|
| Load Capacity  | 15kg                                                                                                         |
| Materials      | White ABS                                                                                                    |
| Tube Sizes     | Ø48 x 2.8mm Dynopipe<br>Ø48.3 x 2.8mm PVC<br>Ø48.3 x 2.8mm Galvanised Steel<br>Ø48.3 x 2.8mm Stainless Steel |
| Bore Diameters | See below table                                                                                              |



| Part Numbers  | Bush Material | Bore Size 'B' (mm) | Extension 'E' (mm) | Inside Extension 'X' (mm) | Blind | Useable Depth of Blind Bush 'D' (mm) |
|---------------|---------------|--------------------|--------------------|---------------------------|-------|--------------------------------------|
| 105-480-05    | White Acetal  | 5.1                | 5.25               | 9                         |       |                                      |
| 105-480-06    | White Acetal  | 6.5                | 5.25               | 9                         |       |                                      |
| 105-480-08    | White Acetal  | 8.7                | 5.25               | 9                         |       |                                      |
| 105-480-08B   | White Acetal  | 8.7                | 5.25               | 9                         | Y     | 17                                   |
| 105-480-09.5  | White Acetal  | 10                 | 5.25               | 9                         |       |                                      |
| 105-480-09.5B | White Acetal  | 10                 | 5.25               | 9                         | Y     | 30                                   |
| 105-480-10    | White Acetal  | 10.4               | 5.25               | 9                         |       |                                      |
| 105-480-11    | Black Nylon   | 11.1               | 7                  | 0                         |       |                                      |
| 105-480-12    | Black Nylon   | 12.5               | 4                  | 1.5                       |       |                                      |
| 105-480-12.7  | Black Nylon   | 12.8               | 7                  | 0                         |       |                                      |

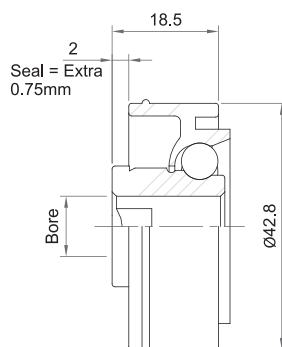
### 480HD Bushed Bearing

|                |                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------|
| Load Capacity  | 30kg                                                                                                         |
| Materials      | Black Nylon                                                                                                  |
| Tube Sizes     | Ø48 x 2.8mm Dynopipe<br>Ø48.3 x 2.8mm PVC<br>Ø48.3 x 2.8mm Galvanised Steel<br>Ø48.3 x 2.8mm Stainless Steel |
| Bore Diameters | Ø16mm<br>Ø19mm                                                                                               |
| Part Numbers   | 105-480HD-16<br>105-480HD-19                                                                                 |



### 482 Ball Bearing

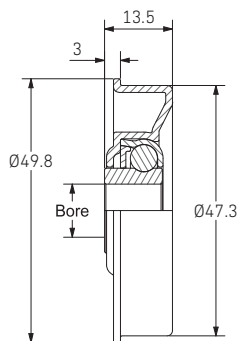
|                 |                                                                    |
|-----------------|--------------------------------------------------------------------|
| Load Capacity   | 25kg                                                               |
| Materials       | Acetal inner and outer race with stainless steel balls             |
| Tube Sizes      | Ø48 x 2.8mm Dynopipe                                               |
| Bore Diameters  | Ø8mm<br>Ø10mm<br>Q - Ø10mm with 8mm AF<br>11mm Hex<br>Ø12mm        |
| Part Numbers    | 105-482-08<br>105-482-10<br>105-482-Q<br>105-482-11H<br>105-482-12 |
| Examples of Use | Gravity or powered conveyors                                       |
| Options         | Sealed (SE)<br>Greased (G)                                         |



## ROLLER BEARINGS

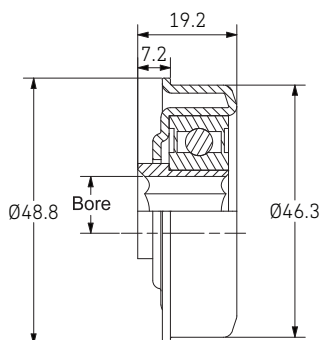
### 503C Ball Bearing

|                 |                                                                      |
|-----------------|----------------------------------------------------------------------|
| Load Capacity   | 60kg                                                                 |
| Materials       | Zinc plated steel housing and bush with plastic cage and steel balls |
| Tube Sizes      | Ø50 x 1.5mm Galvanised Steel<br>Ø50 x 1.5mm Stainless Steel          |
| Bore Diameters  | Ø8mm<br>Ø10mm<br>11mm Hex<br>Ø12mm                                   |
| Part Numbers    | 105-503C-08<br>105-503C-10<br>105-503C-11H<br>105-503C-12            |
| Examples of Use | Gravity roller conveyors, very quiet and free running                |



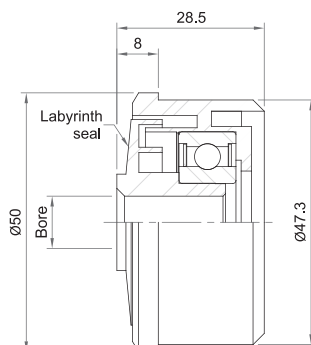
### 505 Precision Bearing

|                 |                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------|
| Load Capacity   | 100kg                                                                                                      |
| Materials       | Zinc plated steel bearing housing and bush with 6002 ZZ bearing                                            |
| Tube Sizes      | Ø50 x 1.5mm Galvanised Steel<br>Ø50 x 1.5mm Stainless Steel                                                |
| Bore Diameters  | Ø8mm<br>Ø10mm<br>11mm Hex<br>Ø12mm                                                                         |
| Part Numbers    | 105-505-08<br>105-505-10<br>105-505-11H<br>105-505-12                                                      |
| Examples of Use | Driven rollers or continuous running.<br>Best suited when plastic housing is not desirable (e.g. freezers) |



### 507 Precision Bearing

|                 |                                                                                      |             |
|-----------------|--------------------------------------------------------------------------------------|-------------|
| Load Capacity   | 100kg                                                                                |             |
| Materials       | Black polypropylene housing and labyrinth with 6202Z bearing.                        |             |
| Tube Sizes      | Ø50 x 1.5mm Galvanised Steel<br>Ø50 x 1.5mm Stainless Steel<br>Ø50 x 1.6mm Aluminium |             |
| Bore Diameters  | Diameter                                                                             | Part #      |
|                 | Ø8mm                                                                                 | 105-507-08  |
|                 | Ø10mm                                                                                | 105-507-10  |
|                 | Ali Q/D                                                                              | 105-507-Q   |
|                 | 11mm Hex                                                                             | 105-507-11H |
|                 | Ø12mm                                                                                | 105-507-12  |
|                 | Ø14mm (no shaft)                                                                     | 105-507-14  |
| Examples of Use | Driven rollers or continuous running.<br>Most commonly grooved rollers               |             |
| Options         | Stainless Steel Bearing (SS)<br>Blind (B) - Used with BP12 (see page 56)             |             |

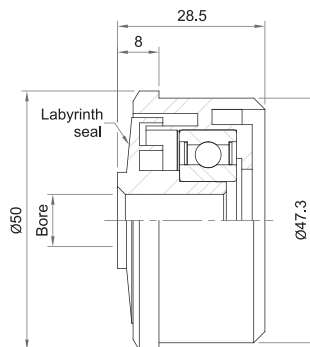




## ROLLER BEARINGS

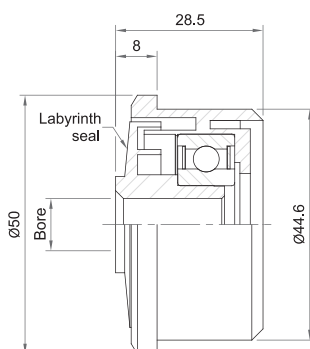
### 507B Blind Precision Bearing

|                 |                                                                                            |              |
|-----------------|--------------------------------------------------------------------------------------------|--------------|
| Load Capacity   | 100kg                                                                                      |              |
| Materials       | Black polypropylene housing and labyrinth with 6202Z bearing. Used with BP12 (see page 56) |              |
| Tube Sizes      | Ø50 x 1.5mm Galvanised Steel<br>Ø50 x 1.5mm Stainless Steel<br>Ø50 x 1.6mm Aluminium       |              |
| Bore Diameters  | Diameter                                                                                   | Part #       |
|                 | Ø8mm                                                                                       | 105-507B-08  |
|                 | Ø10mm                                                                                      | 105-507B-10  |
|                 | Ali Q/D                                                                                    | 105-507B-Q   |
|                 | 11mm Hex                                                                                   | 105-507B-11H |
|                 | Ø12mm                                                                                      | 105-507B-12  |
| Examples of Use | Driven rollers or continuous running. Most commonly grooved rollers                        |              |
|                 | Options                                                                                    |              |
| Options         | Stainless Steel Bearing (SS)                                                               |              |



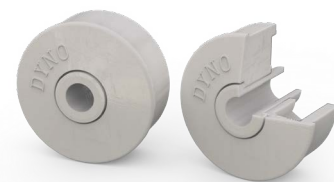
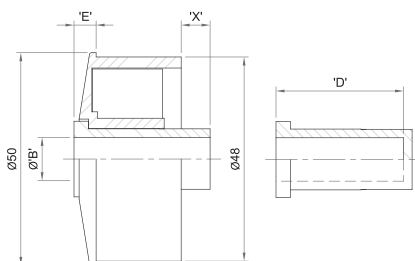
### 507P Precision Bearing

|                |                                                                                 |              |
|----------------|---------------------------------------------------------------------------------|--------------|
| Load Capacity  | 100kg                                                                           |              |
| Materials      | Grey polypropylene housing and black polypropylene labyrinth with 6202 bearing. |              |
| Tube Sizes     | Ø50 x 2.7mm Dynopipe                                                            |              |
| Bore Diameters | Diameter                                                                        | Part #       |
|                | Ø8mm                                                                            | 105-507P-08  |
|                | Ø10mm                                                                           | 105-507P-10  |
|                | Ali Q/D                                                                         | 105-507P-Q   |
|                | 11mm Hex                                                                        | 105-507P-11H |
|                | Ø12mm                                                                           | 105-507P-12  |
| Options        | Ø14mm (no shaft)                                                                |              |
|                | Stainless Steel Bearing (SS)                                                    |              |



### 510 (S2) Bushed Bearing

|                |                                                                 |
|----------------|-----------------------------------------------------------------|
| Load Capacity  | 15kg                                                            |
| Materials      | White ABS                                                       |
| Tube Sizes     | Ø50.8 x 1.6mm Galvanised Steel<br>Ø50.8 x 1.5mm Stainless Steel |
| Bore Diameters | See below table                                                 |

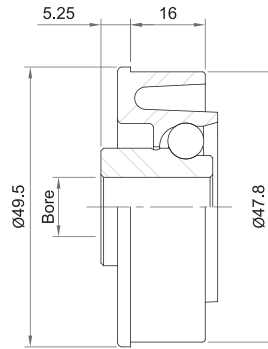


| Part Numbers | Bush Material | Bore Size 'B' (mm) | Extension 'E' (mm) | Inside Extension 'X' (mm) | Blind | Useable Depth of Blind Bush 'D' (mm) |
|--------------|---------------|--------------------|--------------------|---------------------------|-------|--------------------------------------|
| 105-510-05   | White Acetal  | 5.1                | 5.5                | 6.5                       |       |                                      |
| 105-510-06   | White Acetal  | 6.5                | 5.5                | 6.5                       |       |                                      |
| 105-510-08   | White Acetal  | 8.7                | 5.5                | 6.5                       |       |                                      |
| 105-510-08B  | White Acetal  | 8.7                | 5.5                | 6.5                       | Y     | 17                                   |
| 105-510-09.5 | White Acetal  | 10                 | 5.5                | 6.5                       |       |                                      |
| 105-510-9.5B | White Acetal  | 10                 | 5.5                | 6.5                       | Y     | 30                                   |
| 105-510-10   | White Acetal  | 10.5               | 5.5                | 6.5                       |       |                                      |
| 105-510-11   | Black Nylon   | 11.5               | 7.25               | 0                         |       |                                      |
| 105-510-12   | Black Nylon   | 12.4               | 4.5                | 0                         |       |                                      |
| 105-510-12.7 | Black Nylon   | 12.8               | 7.25               | 0                         |       |                                      |

## ROLLER BEARINGS

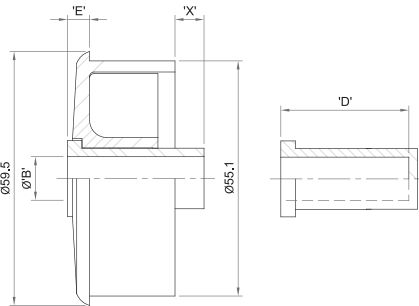
### 512 Ball Bearing

|                |                                                                                            |
|----------------|--------------------------------------------------------------------------------------------|
| Load Capacity  | 25kg                                                                                       |
| Materials      | Red or white acetal with stainless steel balls                                             |
| Tube Sizes     | Ø50.8 x 1.6mm Galvanised Steel<br>Ø50.8 x 1.5mm Stainless Steel<br>Ø50.8 x 1.6mm Aluminium |
| Bore Diameters | Ø10mm<br>Ali Q/D<br>11mm Hex<br>Ø12mm                                                      |
| Part Numbers   | 105-512-10<br>105-512-Q<br>105-512-11H<br>105-512-12                                       |
| Options        | Sealed (SE)<br>Greased (G) - For driven applications                                       |



### 600 (P50C) Bushed Bearing

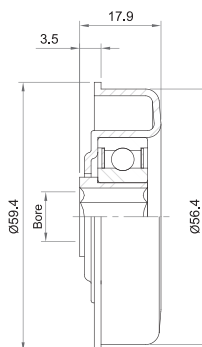
|                |                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------|
| Load Capacity  | 15kg                                                                                                                   |
| Materials      | White ABS                                                                                                              |
| Tube Sizes     | Ø60 x 2.8mm PVC                                                                                                        |
| Bore Diameters | Ø5mm<br>Ø6mm<br>Ø8mm - Blind option available<br>Ø9.5mm - Blind option available<br>Ø10mm<br>Ø11mm<br>Ø12mm<br>Ø12.7mm |



| Part Numbers  | Bush Material | Bore Size 'B' (mm) | Extension 'E' (mm) | Inside Extension 'X' (mm) | Useable Depth of Blind Bush 'D' (mm) |
|---------------|---------------|--------------------|--------------------|---------------------------|--------------------------------------|
| 105-600-05    | White Acetal  | 5.1                | 5.25               | 6.5                       |                                      |
| 105-600-06    | White Acetal  | 6.5                | 5.25               | 6.5                       |                                      |
| 105-600-08    | White Acetal  | 8.7                | 5.25               | 6.5                       |                                      |
| 105-600-08B   | White Acetal  | 8.7                | 5.25               | 6.5                       | 17                                   |
| 105-600-09.5  | White Acetal  | 10                 | 5.25               | 6.5                       |                                      |
| 105-600-09.5B | White Acetal  | 10                 | 5.25               | 6.5                       | 30                                   |
| 105-600-10    | White Acetal  | 10.5               | 5.25               | 6.5                       |                                      |
| 105-600-11    | Black Nylon   | 11.5               | 7                  | 0                         |                                      |
| 105-600-12    | Black Nylon   | 12.4               | 4.5                | 0                         |                                      |
| 105-600-12.7  | Black Nylon   | 12.8               | 7                  | 0                         |                                      |

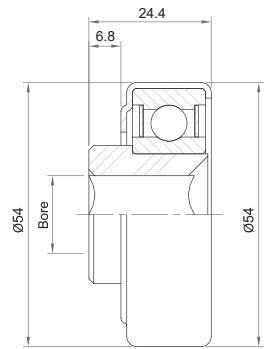
### 605 Precision Bearing

|                |                                                               |
|----------------|---------------------------------------------------------------|
| Load Capacity  | 100kg                                                         |
| Materials      | Zinc plated steel bearing housing and bush with 6202Z bearing |
| Tube Sizes     | Ø60.3 x 2.3mm Galvanised Steel                                |
| Bore Diameters | 8mm<br>10mm<br>11mm Hex<br>12mm                               |
| Part Numbers   | 105-605-08<br>105-605-10<br>105-605-11H<br>105-605-12         |



605HD Precision Bearing

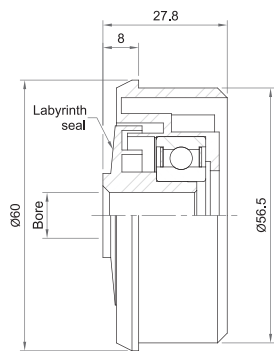
|                 |                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------|
| Load Capacity   | 500kg                                                                                                    |
| Materials       | Steel bearing housing and bush                                                                           |
| Tube Sizes      | Ø60.3 x 3.6mm Galvanised Steel<br>Ø60.3 x 2.77mm Stainless Steel                                         |
| Bore Diameters  | Ø16mm<br>16mm Hex<br>Ø19mm                                                                               |
| Part Numbers    | 105-605HD-16<br>105-605HD-16H<br>105-605HD-19                                                            |
| Examples of Use | Heavy duty precision bearing<br>best suited for driven rollers or<br>continuous running under high loads |



Discuss with us if fitting yourself

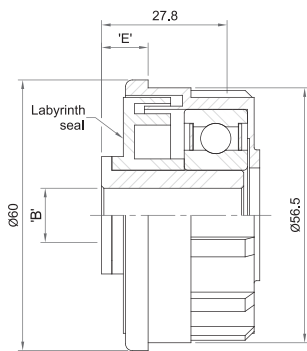
607 Precision Bearing

|                 |                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------|
| Load Capacity   | 100kg                                                                                           |
| Materials       | Black polypropylene housing and labyrinth with 6202 bearing                                     |
| Tube Sizes      | Ø60.3 x 2.3mm Galvanised Steel<br>Ø60.3 x 2.77mm Stainless Steel                                |
| Bore Diameters  | Ø8mm<br>Ø10mm<br>11mm Hex<br>Ø12mm                                                              |
| Part Numbers    | 105-607-08<br>105-607-10<br>105-607-11H<br>105-607-12                                           |
| Examples of Use | Driven rollers or continuous running<br>also suitable where antistatic rollers<br>are required. |
| Options         | Stainless Steel Bearing (SS)                                                                    |



607HD Precision Bearing

|                 |                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------|
| Load Capacity   | 180kg                                                                                                    |
| Materials       | Black polypropylene housing, labyrinth and reducer bush with 6204 bearing                                |
| Tube Sizes      | Ø60.3 x 2.3mm Galvanised Steel (std)<br>Ø60.3 x 3.6mm Galvanised Steel<br>Ø60.3 x 2.77mm Stainless Steel |
| Bore Diameters  | Ø12mm<br>Ø16mm<br>Ø20mm                                                                                  |
| Examples of Use | Heavy duty precision bearing suitable<br>for driven rollers or continuous running.                       |

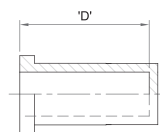
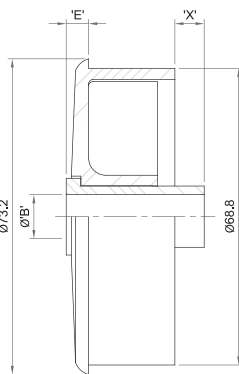


| Part Numbers | Bush Material | Bore Size 'B' (mm) | Extension 'E' (mm) |
|--------------|---------------|--------------------|--------------------|
| 105-607HD-12 | Black Nylon   | 12                 | 12                 |
| 105-607HD-16 | Black Nylon   | 16                 | 10                 |
| 105-607HD-20 | Black Nylon   | 20                 | 7.75               |

## ROLLER BEARINGS

### 750 (P65C) Bushed Bearing

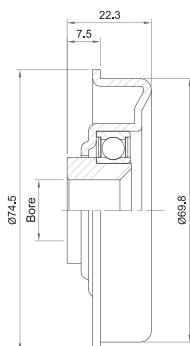
|                |                                                                                                                        |
|----------------|------------------------------------------------------------------------------------------------------------------------|
| Load Capacity  | 20kg                                                                                                                   |
| Materials      | White ABS                                                                                                              |
| Tube Sizes     | Ø75 x 3mm PVC                                                                                                          |
| Bore Diameters | Ø5mm<br>Ø6mm<br>Ø8mm - Blind option available<br>Ø9.5mm - Blind option available<br>Ø10mm<br>Ø11mm<br>Ø12mm<br>Ø12.7mm |



| Part Numbers  | Bush Material | Bore Size 'B' (mm) | Extension 'E' (mm) | Inside Extension 'X' (mm) | Useable Depth of Blind Bush 'D' (mm) |
|---------------|---------------|--------------------|--------------------|---------------------------|--------------------------------------|
| 105-750-05    | White Acetal  | 5.1                | 5.5                | 6                         |                                      |
| 105-750-06    | White Acetal  | 6.5                | 5.5                | 6                         |                                      |
| 105-750-08    | White Acetal  | 8.7                | 5.5                | 6                         |                                      |
| 105-750-08B   | White Acetal  | 8.7                | 5.5                | 6                         | 17                                   |
| 105-750-09.5  | White Acetal  | 10                 | 5.5                | 6                         |                                      |
| 105-750-09.5B | White Acetal  | 10                 | 5.5                | 6                         | 30                                   |
| 105-750-10    | White Acetal  | 10.5               | 5.5                | 6                         |                                      |
| 105-750-11    | Black Nylon   | 11.5               | 7.5                | 0                         |                                      |
| 105-750-12    | Black Nylon   | 12.4               | 5                  | 0                         |                                      |
| 105-750-12.7  | Black Nylon   | 12.8               | 7.5                | 0                         |                                      |

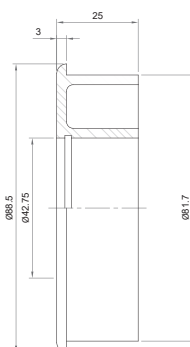
### 755 Precision Bearing

|                 |                                                                                 |
|-----------------|---------------------------------------------------------------------------------|
| Load Capacity   | 200kg                                                                           |
| Materials       | Zinc plated steel housing and bush                                              |
| Tube Sizes      | Ø76 x 2.3mm Galvanised Steel<br>Ø76 x 3.2mm Galvanised Steel                    |
| Bore Diameters  | Ø12mm<br>Ø16mm<br>Ø19mm                                                         |
| Part Numbers    | 105-755-16<br>105-755-19                                                        |
| Examples of Use | Heavy duty precision bearing suitable for driven rollers or continuous running. |



### 890 Reducer Bush

|                |                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Load Capacity  | As per bearing used                                                                                                                              |
| Materials      | White ABS                                                                                                                                        |
| Tube Sizes     | Ø89 x 3.8mm PVC                                                                                                                                  |
| Bore Diameters | See range of 48mm bearings e.g. 480 and 482.                                                                                                     |
| Part Numbers   | 105-890-05<br>105-890-06<br>105-890-08<br>105-890-08B<br>105-890-09.5<br>105-890-09.5B<br>105-890-10<br>105-890-11<br>105-890-12<br>105-890-12.7 |



## 897 Precision Bearing

Technical drawing of a cross-section of a mechanical assembly. The drawing shows a hatched section on the left and a circular feature on the right. Dimensions are indicated: 37.8 (total width), 0.89 (height of the hatched section), 0.85 (height of the circular feature), and 0.82 (height of the base). The drawing is labeled with 'E' and 'B'.



| Part Numbers | Bush Material | Bore Size 'B' (mm) | Extension 'E' (mm) |
|--------------|---------------|--------------------|--------------------|
| 105-897-16   | Black Nylon   | 16                 | 10                 |
| 105-897-20   | Black Nylon   | 20                 | 7.75               |

## 1147 Precision Bearing



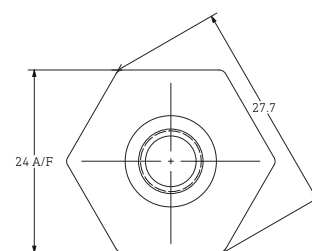
| Part Numbers | Bush Material | Bore Size 'B' (mm) | Extension 'E' (mm) |
|--------------|---------------|--------------------|--------------------|
| 105-1147-16  | Black Nylon   | 16                 | 9.5                |
| 105-1147-20  | Black Nylon   | 20                 | 7.25               |

## TR4 Reducer Bush

## Blind Pins

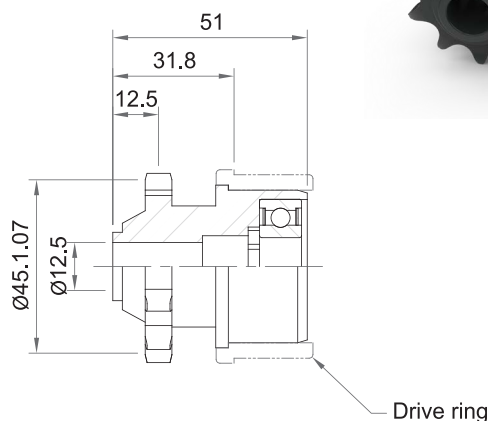
Technical drawing of a mechanical part with dimensions:

- Overall length: 32.5
- Distance from left face to start of hole: 12
- Hole diameter:  $\varnothing 12$
- Distance from hole center to right face: 8
- Overall width: 10



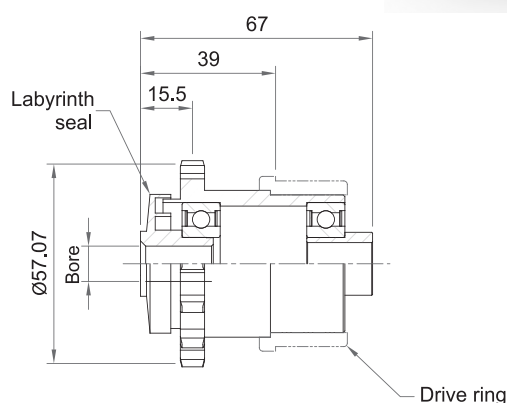
## Z11S Sprocket

|                |                                                                                           |
|----------------|-------------------------------------------------------------------------------------------|
| Specifications | 11 Teeth<br>Single Row<br>1/2" Pitch<br>Fixed (F) or Loose (L) Drive                      |
| Materials      | Black nylon body with black nylon bush bearing (outer) and 6202 precision bearing (inner) |
| Tube Sizes     | Fits range of tube sizes with adaptors (see drive ring details)                           |
| Bore Diameters | 12mm (other sizes special order)                                                          |
| Part Numbers   | 107-Z11SF-12<br>107-Z11SL-12                                                              |
| Options        | Stainless Steel Precision Bearing (SS)<br>Blind bush on outer                             |



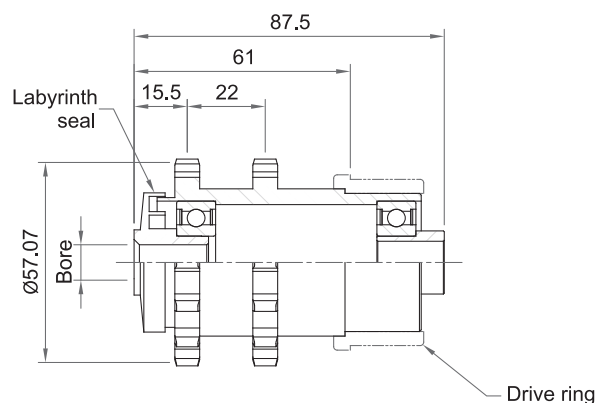
## Z14S Sprocket

|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Specifications | 14 Teeth<br>Single Row<br>1/2" Pitch<br>Fixed (F) or Loose (L) Drive                |
| Materials      | Black nylon body with black polypropylene labyrinth and reducer bush. 6202Z bearing |
| Tube Sizes     | Fits range of tube sizes with adaptors (see drive ring details)                     |
| Bore Diameters | Ø8mm<br>Ø10mm<br>Ali Q/D<br>11mm Hex<br>Ø12mm                                       |
| Part Numbers   | 107-Z14SF-12<br>107-Z14SL-12                                                        |
| Options        | Stainless Steel Precision Bearing (SS)                                              |



## Z14D Sprocket

|                |                                                                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Specifications | 14 Teeth<br>Double Row<br>1/2" Pitch<br>Fixed (F) or Loose (L) Drive                                                                                      |
| Materials      | Black nylon body with black polypropylene labyrinth and reducer bush. 6202Z bearing<br>Zinc plated steel type (ZM14D) with hardened teeth. 6002RS bearing |
| Tube Sizes     | Fits range of tube sizes with adaptors (see drive ring details)                                                                                           |
| Bore Diameters | Ø8mm<br>Ø10mm<br>Ali Q/D<br>11mm Hex<br>Ø12mm                                                                                                             |
| Part Numbers   | 107-Z14DF-12<br>107-Z14DL-12<br>107-ZM14DF-12<br>107-ZM14DL-12                                                                                            |
| Options        | Stainless Steel Precision Bearing (SS)                                                                                                                    |





## ZMW14D 50mm Sprocket

|                |                                                          |
|----------------|----------------------------------------------------------|
| Specifications | Weld in<br>14 Hardened Teeth<br>Double Row<br>1/2" Pitch |
| Materials      | Zinc plated steel body. 6202Z bearing                    |
| Tube Sizes     | Ø50 x 1.5mm Galvanised Steel Tube                        |
| Bore Diameters | Ø8mm<br>Ø10mm<br>Ali Q/D<br>11mm Hex<br>Ø12mm            |
| Part Numbers   | 107-ZMW14D-50                                            |
| Options        | Stainless Steel Precision Bearing (SS)                   |



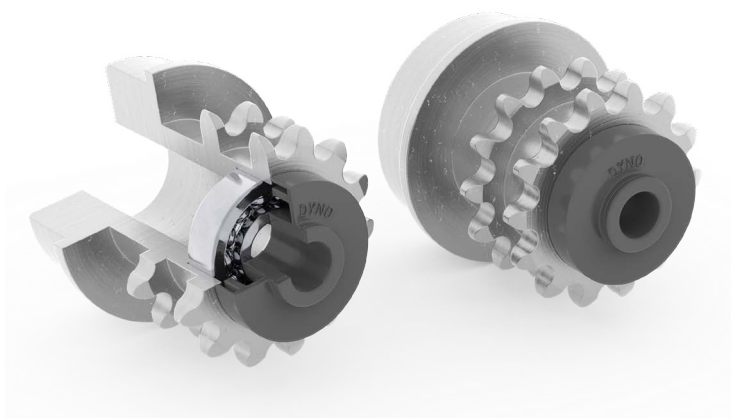
## ZMW14D 60mm Sprocket

|                |                                                          |
|----------------|----------------------------------------------------------|
| Specifications | Weld in<br>14 Hardened Teeth<br>Double Row<br>1/2" Pitch |
| Materials      | Zinc plated steel body. 6202Z bearing                    |
| Tube Sizes     | Ø60 x 2.3mm Galvanised Steel Tube                        |
| Bore Diameters | Ø8mm<br>Ø10mm<br>Ali Q/D<br>11mm Hex<br>Ø12mm            |
| Part Numbers   | 107-ZMW14D-60                                            |
| Options        | Stainless Steel Precision Bearing (SS)                   |



## ZHMW14D 89mm Sprocket

|                |                                                          |
|----------------|----------------------------------------------------------|
| Specifications | Weld in<br>14 Hardened Teeth<br>Double Row<br>5/8" Pitch |
| Materials      | Zinc plated steel body. 6204RS bearing                   |
| Tube Sizes     | Ø89 x 3.2mm Galvanised Steel Tube                        |
| Bore Diameters | Ø12mm<br>Ø16mm<br>Ø20mm                                  |
| Part Numbers   | SP28                                                     |
| Options        | Stainless Steel Precision Bearing (SS)                   |

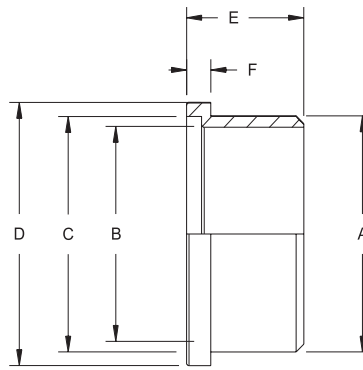


Contact us for sprocket dimentions

## Drive Rings

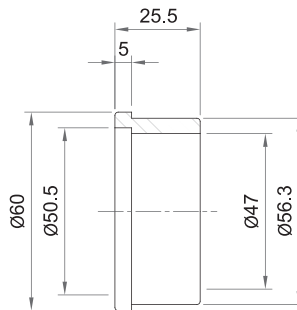
|            |                                                                                                                       |
|------------|-----------------------------------------------------------------------------------------------------------------------|
| Materials  | Fixed (F) - Black Nylon<br>Loose (L) - Black Acetal                                                                   |
| Tube Sizes | Ø50 x 2.7mm Dynopipe<br>Ø50 x 1.5mm Galvanised Steel<br>Ø50 x 1.5mm Stainless Steel<br>60mm Adaptors<br>89mm Adaptors |

|        | Fixed 2.8 | Loose 2.8 | Fixed 1.5 | Loose 1.5 |
|--------|-----------|-----------|-----------|-----------|
| A      | 44.7mm    | 44.6mm    | 47.25mm   | 47.2mm    |
| B      | 39.3mm    | 40.6mm    | 39.4mm    | 40.6mm    |
| C      | 42.5mm    | 44.6mm    | 42.6mm    | 44.6mm    |
| D      | 50mm      | 49.7mm    | 50mm      | 50mm      |
| E      | 25.2mm    | 25.2mm    | 25.2mm    | 25.2mm    |
| F      | 5mm       | 5mm       | 5mm       | 5mm       |
| Part # | K10       | K11       | K16       | K9        |



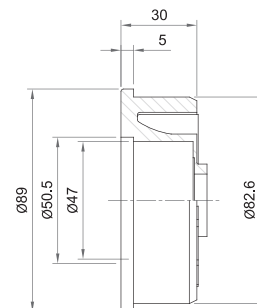
## AD60 Adaptor

|              |                                                                          |
|--------------|--------------------------------------------------------------------------|
| Materials    | Black nylon                                                              |
| Tube Sizes   | Ø60.3 Galvanised and Stainless Steel,<br>machined to suit tube thickness |
| Part Numbers | K12                                                                      |



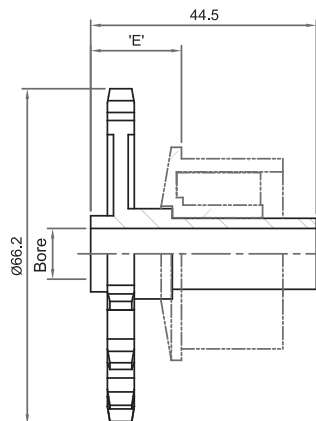
## AD89 Adaptor

|              |                                                           |
|--------------|-----------------------------------------------------------|
| Materials    | Black polycarbonate                                       |
| Tube Sizes   | Ø89 x 3.2mm Galvanised Steel<br>Ø89 x 3mm Stainless Steel |
| Part Numbers | K13                                                       |



## SP6 / SP10 Sprocket

|                |                                                          |
|----------------|----------------------------------------------------------|
| Specifications | 15 Tooth<br>Single Row<br>1/2" Pitch                     |
| Materials      | White Acetal                                             |
| Tube Sizes     | Fits range of end caps with either 6.5mm<br>or 10mm bush |
| Bore Diameters | 6.5mm<br>10mm                                            |
| Part Numbers   | 107-SP6<br>107-SP10                                      |



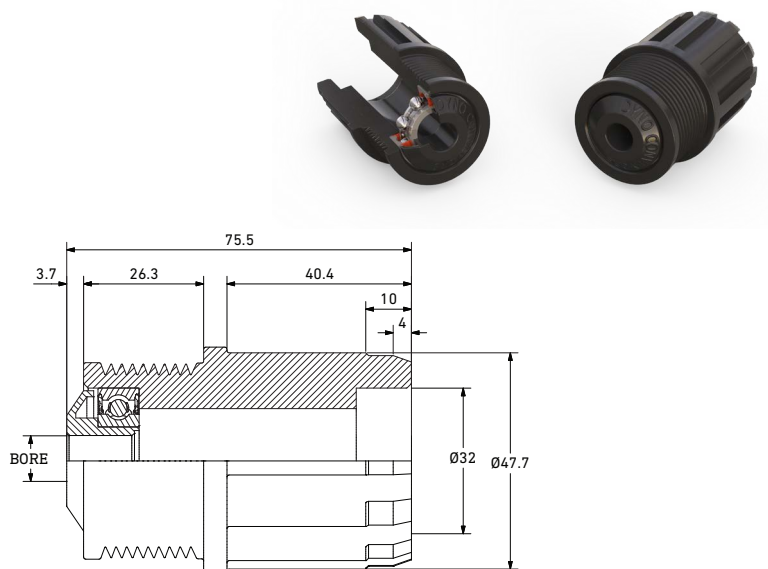
|                    |            |            |          |            |            |
|--------------------|------------|------------|----------|------------|------------|
| Bushed End Cap     | 420 (P32D) | 480 (P40D) | 510 (S2) | 600 (P50C) | 750 (P65C) |
| Extension 'E' (mm) | 18.45      | 18.20      | 18.45    | 18.20      | 18.45      |



## SPROCKETS & PULLEYS

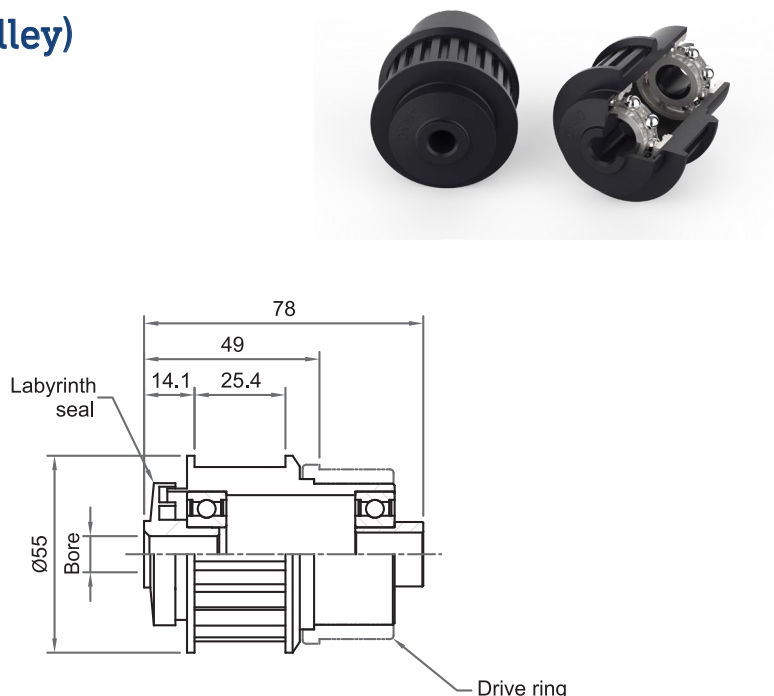
### Mini-V Pulley (Poly V)

|                |                                                                  |
|----------------|------------------------------------------------------------------|
| Specifications | 9 Vee's<br>Fixed                                                 |
| Materials      | Black nylon body with 6002 bearing                               |
| Tube Sizes     | Ø50 x 1.5mm Galvanised Tube<br>Ø50 x 1.6mm Stainless Tube        |
| Bore Diameters | 11mm Hex (other sizes special order)                             |
| Part Numbers   | 107-MVP                                                          |
| Options        | Stainless Steel Precision Bearing<br>Zinc Plated Steel Body (ZP) |



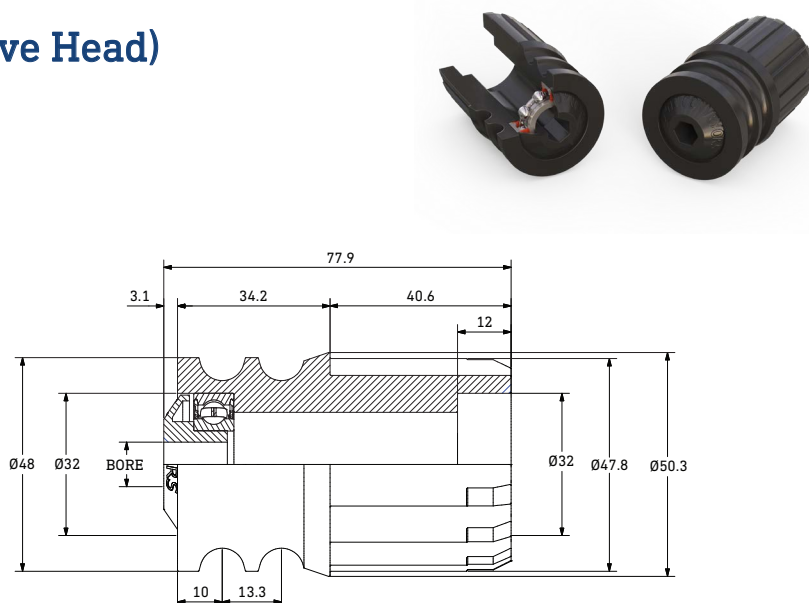
### Tooth Belt Pulley (Timing Belt Pulley)

|                |                                                                      |
|----------------|----------------------------------------------------------------------|
| Specifications | 20 Teeth<br>8mm Pitch<br>Fixed (F) or Loose (L) Drive                |
| Materials      | Black nylon body with black polypropylene labyrinth and reducer bush |
| Tube Sizes     | Fits range of tube sizes with adaptors (see drive ring details)      |
| Bore Diameters | Ø8mm<br>Ø10mm<br>Ali Q/D<br>11mm Hex<br>Ø12mm                        |
| Part Numbers   | 107-TB20                                                             |
| Options        | Stainless Steel Precision Bearing                                    |



### O-Band Pulley (Round Belt Drive Head)

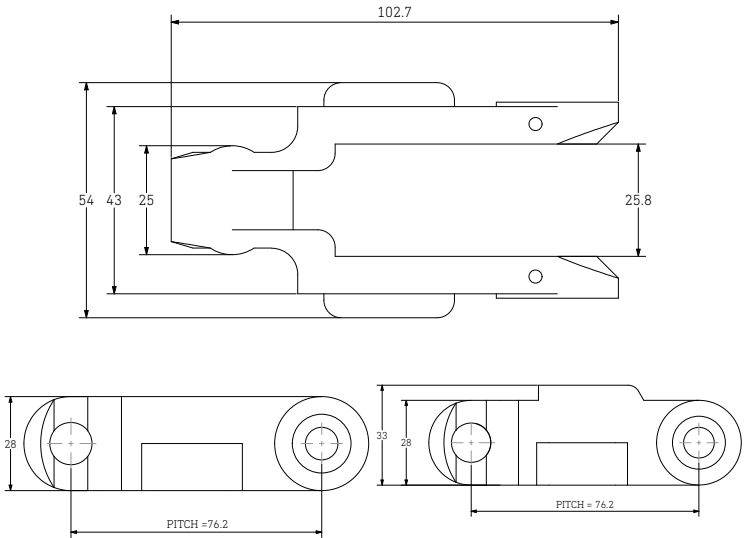
|                |                                                           |
|----------------|-----------------------------------------------------------|
| Specifications | Double Groove O-Band Pulley<br>Fixed                      |
| Materials      | Black Nylon                                               |
| Tube Sizes     | Ø50 x 1.5mm Galvanised Tube<br>Ø50 x 1.5mm Stainless Tube |
| Bore Diameters | 11mm Hex (other sizes special order)                      |
| Part Numbers   | 107-DG0RP                                                 |
| Options        | Stainless Steel Precision Bearing                         |



Dyno 300 (3" Pitch) Chain

Full engineering data including compression and tension drawings available on request.

|                                                 |                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Chain Link Materials                            | White Acetal                                                                                  |
| Workable Temperature Range                      | -40°C to 80°C                                                                                 |
| Minimum Side Radius                             | 750mm                                                                                         |
| Max Average Recommended Continuous Working Load | 300kg                                                                                         |
| Pin Size                                        | Ø9.5mm Stainless Steel                                                                        |
| Pin Configurations                              | Short Pin (SP)<br>Right Hand Extended (RH)<br>Left Hand Extended (LH)<br>Double Extended (DP) |
| Part Numbers                                    | 101-300-A-SP<br>101-300-A-RH<br>101-300-A-LH<br>101-300-A-DP                                  |
| Options                                         | Top Tabbed Chain Links<br>Retainer Pins                                                       |



LUGGED

TOP TABBED

Pin Configurations



SHORT PIN



RIGHT EXTENDED PIN



LEFT EXTENDED PIN

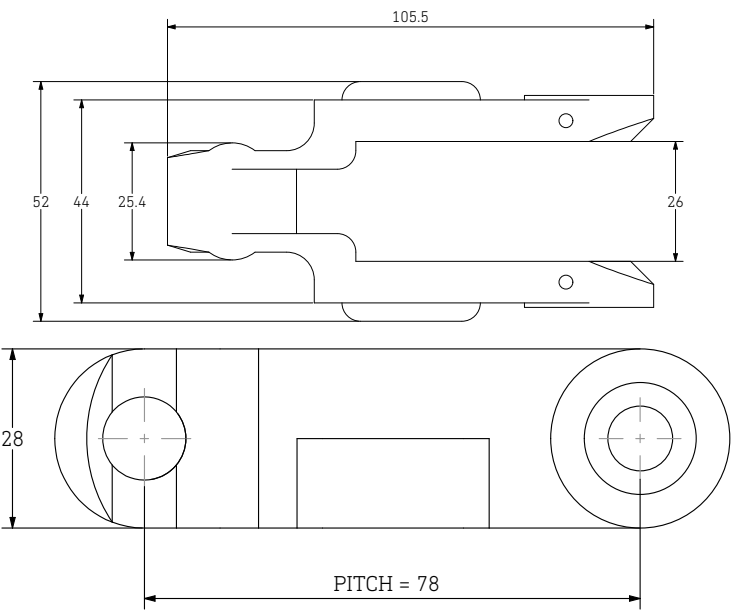


DOUBLE EXTENDED PIN

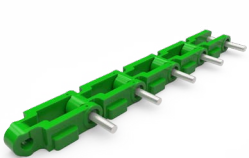
Dyno 300 (3" Pitch) Chemical Resistant Chain

Full engineering data including compression and tension drawings available on request.

|                                                 |                                                     |
|-------------------------------------------------|-----------------------------------------------------|
| Chain Link Materials                            | Green Polypropylene                                 |
| Workable Temperature Range                      | 0°C to 60°C                                         |
| Minimum Side Radius                             | 750mm                                               |
| Max Average Recommended Continuous Working Load | 150kg                                               |
| Pin Size                                        | Ø10mm Stainless Steel                               |
| Pin Configurations                              | Left Hand Extended (LH)<br>Right Hand Extended (RH) |
| Part Numbers                                    | 101-300-P-RH<br>101-300-P-LH                        |
| Options                                         | Retainer Pins                                       |
| Examples of Use                                 | Where resistance to chemicals is required.          |



Pin Configurations



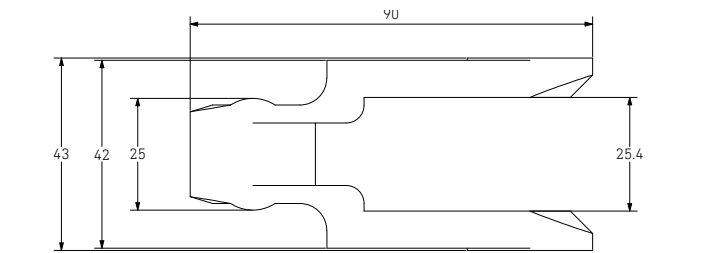
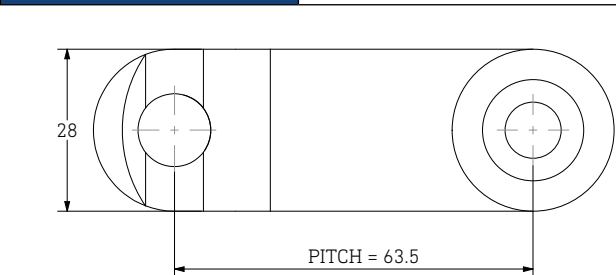
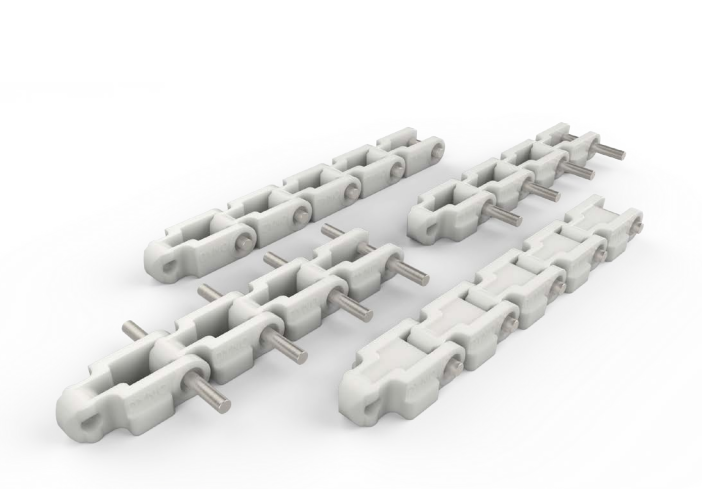
RIGHT EXTENDED PIN



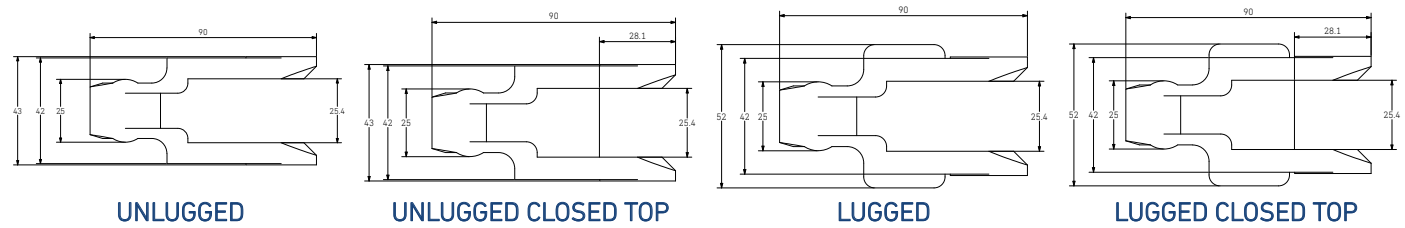
LEFT EXTENDED PIN

Dyno 600 (2.5" Pitch) Chain

|                                                 |                                                                                                           |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Chain Link Materials                            | White Acetal                                                                                              |
| Workable Temperature Range                      | -40°C to 80°C                                                                                             |
| Minimum Side Radius                             | 750mm                                                                                                     |
| Max Average Recommended Continuous Working Load | 300kg                                                                                                     |
| Pin Size                                        | Ø9.5mm Stainless Steel                                                                                    |
| Pin Configurations                              | Short Pin (SP)<br>Left Hand Extended Pin (LH)<br>Right Hand Extended Pin (RH)<br>Double Extended Pin (DP) |
| Part Numbers                                    | 101-600-A-SP<br>101-600-A-RH<br>101-600-A-LH<br>101-600-A-DP                                              |
| Options                                         | Lugged Chain Links (T)<br>Closed Top Chain Links (C)                                                      |

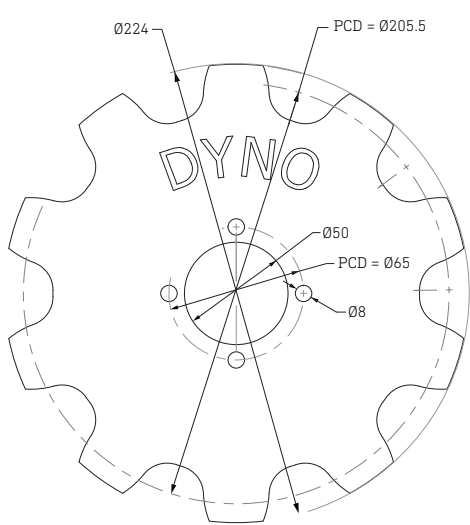


Chain Link Options



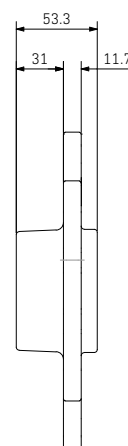
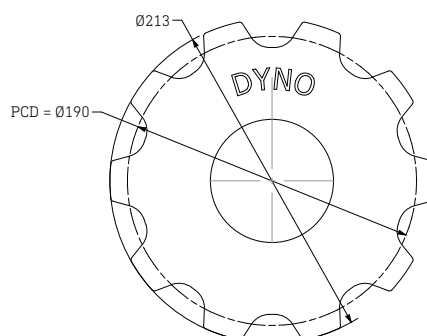
Dyno 600 - 10 Tooth UHMWPE Sprocket

|                |               |
|----------------|---------------|
| Specifications | 10 Tooth      |
| Materials      | UHMWPE        |
| Bore Diameter  | 50mm          |
| Part Numbers   | 102-600-U-10T |



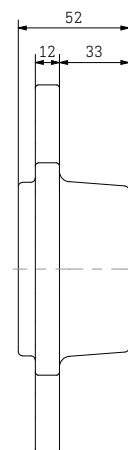
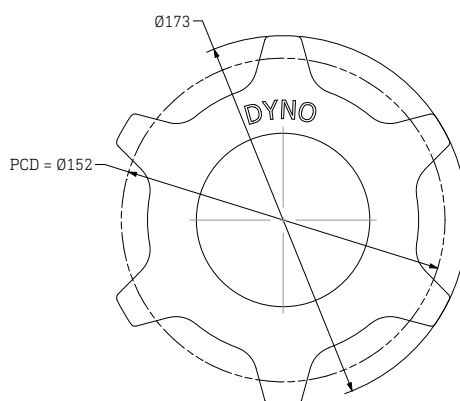
## Dyno 600 - 10 Tooth Aluminium Sprocket

|                |                                                                 |
|----------------|-----------------------------------------------------------------|
| Specifications | 10 Tooth                                                        |
| Materials      | Aluminium                                                       |
| Bore Diameter  | Supplied blank<br>can be bored and keyed for<br>additional cost |
| Part Numbers   | 102-600-A-10T                                                   |



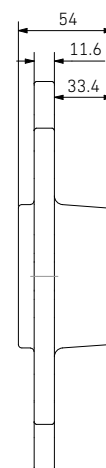
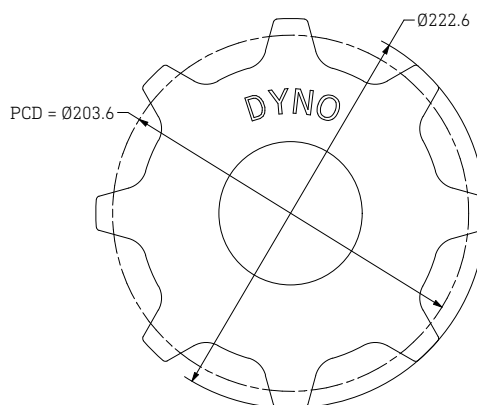
## Dyno 300 - 6 Tooth Aluminium Sprocket

|                |                                                                |
|----------------|----------------------------------------------------------------|
| Specifications | 6 Tooth                                                        |
| Materials      | Aluminium                                                      |
| Bore Diameter  | Supplied blank - can be bored<br>and keyed for additional cost |
| Part Numbers   | 102-300-A-6T                                                   |



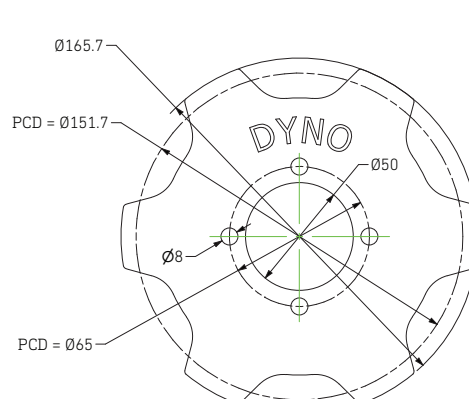
## Dyno 300 - 8 Tooth Aluminium Sprocket

|                |                                                                |
|----------------|----------------------------------------------------------------|
| Specifications | 8 Tooth                                                        |
| Materials      | Aluminium                                                      |
| Bore Diameter  | Supplied blank - can be bored<br>and keyed for additional cost |
| Part Numbers   | 102-300-A-8T                                                   |



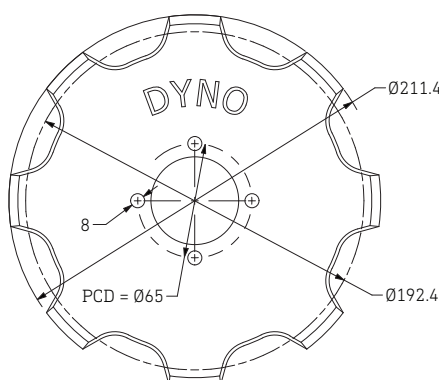
## Dyno 300 - 6 Tooth UHMWPE Sprocket

|                |              |
|----------------|--------------|
| Specifications | 6 Tooth      |
| Materials      | UHMWPE       |
| Bore Diameter  | 50mm         |
| Part Numbers   | 102-300-U-6T |



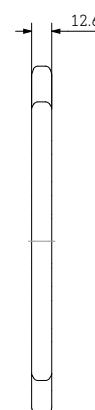
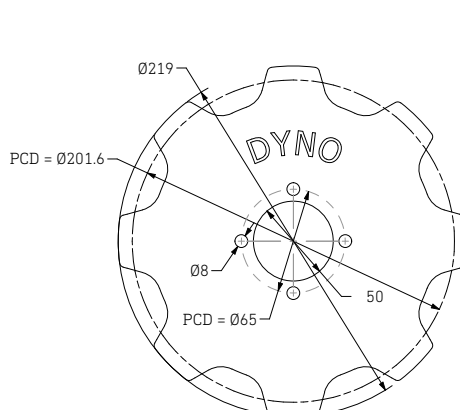
## Dyno 300 - 8 Tooth UHMWPE Sprocket

|                |              |
|----------------|--------------|
| Specifications | 8 Tooth      |
| Materials      | UHMWPE       |
| Bore Diameter  | 50mm         |
| Part Numbers   | 102-300-U-8T |



## Dyno 300 - 8 Tooth Polypropylene Sprocket (suits Chemical Resistant Chain)

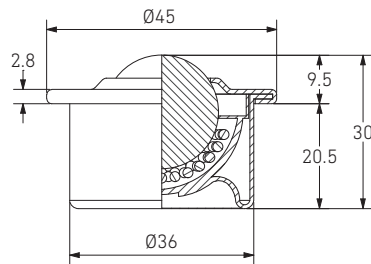
|                |               |
|----------------|---------------|
| Specifications | 8 Tooth       |
| Materials      | Polypropylene |
| Bore Diameter  | 50mm          |
| Part Numbers   | 102-300-P-10T |



## BALL TRANSFERS

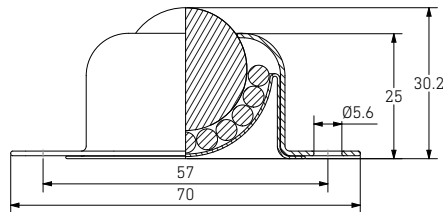
### 522 Drop In Unit

|                    |                               |
|--------------------|-------------------------------|
| Load Capacity      | 160kg                         |
| Load Ball Diameter | Ø22.2mm                       |
| Materials          | Carbon steel ball and housing |
| Part Numbers       | 110-BT522-0-13                |



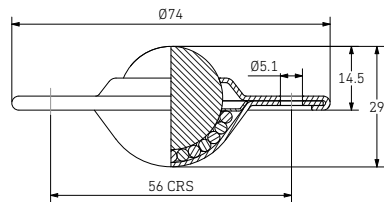
### 253 Base Fixing Unit

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Load Capacity      | 50kg                                                                        |
| Load Ball Diameter | Ø25.4mm                                                                     |
| Materials          | Carbon steel ball and housing                                               |
| Options            | Stainless steel ball and housing<br>Nylon ball and carbon steel housing (N) |
| Part Numbers       | 110-BT253-B<br>110-BT253-BS<br>110-BT253-BN                                 |



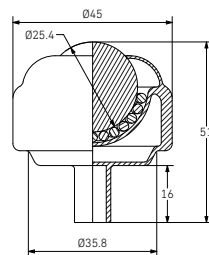
### 253 Flange Fixing Unit

|                    |                                      |
|--------------------|--------------------------------------|
| Load Capacity      | 50kg                                 |
| Load Ball Diameter | Ø25.4mm                              |
| Materials          | Carbon steel ball and housing        |
| Options            | Stainless steel ball and housing (S) |
| Part Numbers       | 110-BT253-F<br>110-BT253-FS          |



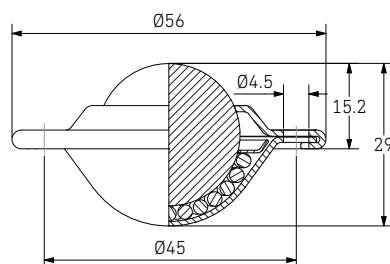
### 253 Male Thread Fixing Unit

|                    |                               |
|--------------------|-------------------------------|
| Load Capacity      | 50kg                          |
| Load Ball Diameter | Ø25.4mm                       |
| Materials          | Carbon steel ball and housing |
| Part Numbers       | 110-BT253-MT                  |



### 254 Flange Fixing Unit

|                    |                                      |
|--------------------|--------------------------------------|
| Load Capacity      | 55kg                                 |
| Load Ball Diameter | Ø25.4mm                              |
| Materials          | Carbon steel ball and housing        |
| Options            | Stainless steel ball and housing (S) |
| Part Numbers       | 110-BT254-F<br>110-BT254-FS          |

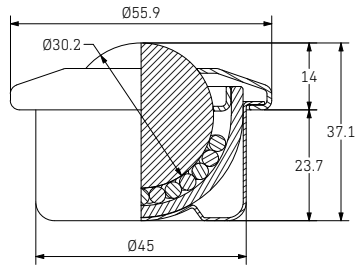




## BALL TRANSFERS

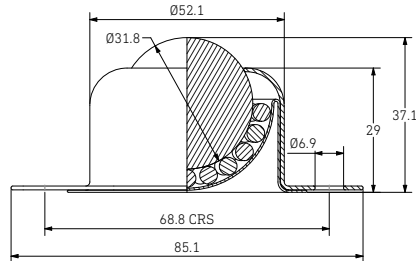
### 303 Drop In Unit

|                    |                               |
|--------------------|-------------------------------|
| Load Capacity      | 300kg                         |
| Load Ball Diameter | Ø30mm                         |
| Materials          | Carbon steel ball and housing |
| Part Numbers       | 110-BT303-P                   |



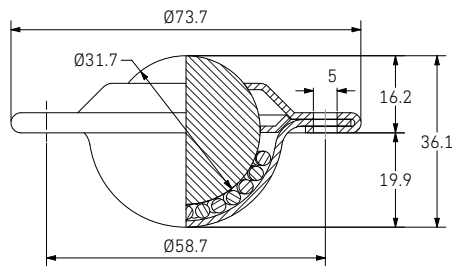
### 323 Base Fixing Unit

|                    |                               |
|--------------------|-------------------------------|
| Load Capacity      | 100kg                         |
| Load Ball Diameter | Ø32mm                         |
| Materials          | Carbon steel ball and housing |
| Part Numbers       | 110-BT323-B                   |



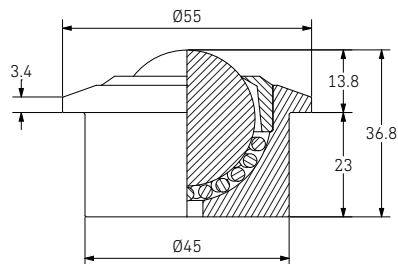
### 32743 Flange Fixing Unit

|                    |                                  |
|--------------------|----------------------------------|
| Load Capacity      | 125kg                            |
| Load Ball Diameter | Ø31.7mm                          |
| Materials          | Stainless steel ball and housing |
| Part Numbers       | 110-BT32743-15                   |



### 805 Heavy Duty Unit

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Load Capacity      | 350kg                                              |
| Load Ball Diameter | Ø30mm                                              |
| Materials          | Carbon steel ball and housing                      |
| Options            | Stainless steel ball and carbon steel housing (16) |
| Part Numbers       | 110-BT805-30-13<br>110-BT805-30-16                 |

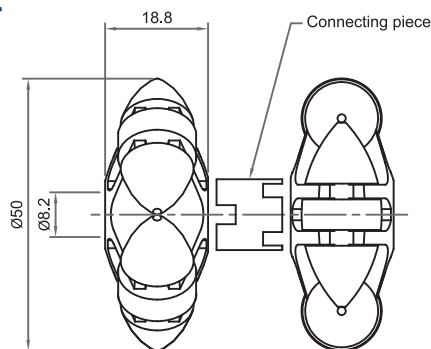


Many others in stock. Contact us with any enquiries



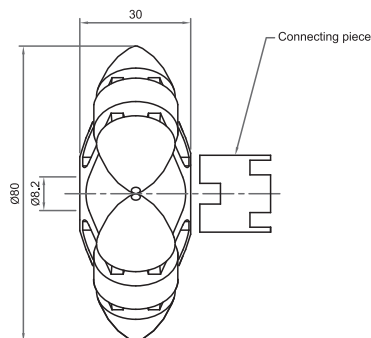
## 50mm Multi Directional Roller

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| Load Capacity | 5kg                                                                  |
| Materials     | Black acetal core with grey acetal rollers and stainless steel axles |
| Options       | Single Wheel (S)<br>Double Wheel (D)<br>Joiner Clip (J)              |
| Part Numbers  | 110-MTR50-S<br>110-MTR50-D<br>110-MTR50-J                            |



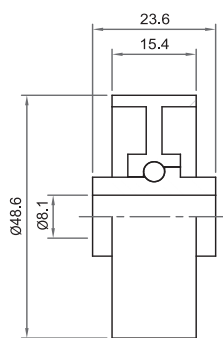
## 80mm Multi Directional Roller

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| Load Capacity | 20kg                                                                 |
| Materials     | Black acetal core with grey acetal rollers and stainless steel axles |
| Options       | Single Wheel (S)<br>Double Wheel (D)<br>Joiner Clip (J)              |
| Part Numbers  | 110-MTR80-S<br>110-MTR80-D<br>110-MTR50-J                            |



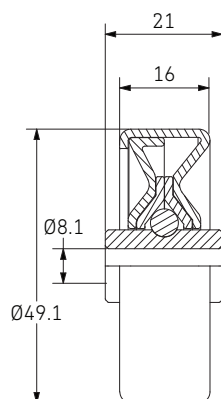
## Acetal Skate Wheel

|               |                                                                 |
|---------------|-----------------------------------------------------------------|
| Load Capacity | 20kg                                                            |
| Materials     | Machined white acetal with stainless steel balls and nylon cage |
| Part Numbers  | 112-482-8/24                                                    |



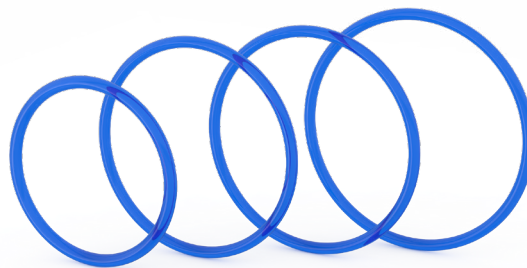
## Steel Skate Wheel

|               |                   |
|---------------|-------------------|
| Load Capacity | 30kg              |
| Materials     | Zinc plated steel |
| Part Numbers  | 112-482-8/24      |



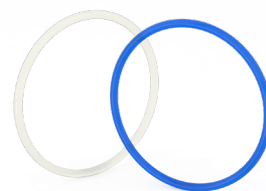
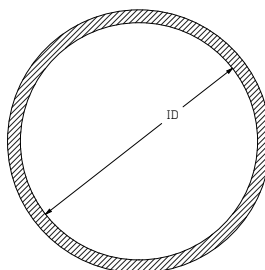
## Urethane Drive Bands

|                                     |                                                                                                                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material Options                    | Ø4.75mm Clear Urethane<br>Ø5.2mm Blue High Strength Urethane<br>Also available in different hardness'.<br>For example, strengths including jungle bands<br>for hot and humid conditions, and low<br>temperature for freezer environments. |
| Recommended Initial Stretch Factors | Clear Urethane - 10% Stretch<br>Blue Urethane - 20% Stretch                                                                                                                                                                               |
| Temperature Range                   | -20°C to 60°C<br>(may harden and set at low temperature if not<br>continuously run, or stretch at high<br>temperature)                                                                                                                    |



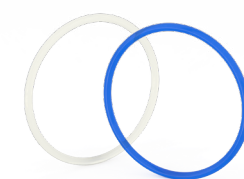
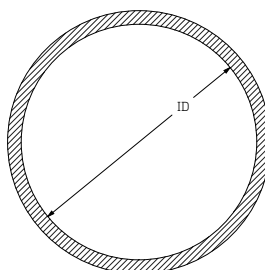
## DB96 Urethane Drive Band

|                  |                                                                                   |                                    |
|------------------|-----------------------------------------------------------------------------------|------------------------------------|
| Applications     | Suits main drive - lineshaft to Ø50mm roller with center distance of 110 to 120mm |                                    |
| Material Options | Ø4.75mm Clear Urethane                                                            | Ø5.2mm Blue High Strength Urethane |
| Dimensions       | ID = Ø96mm<br>318mm overall length                                                | ID = Ø84mm<br>282mm overall length |
| Part Numbers     | 114-DB96-C                                                                        | 114-DB96-B                         |



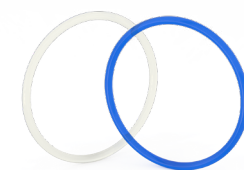
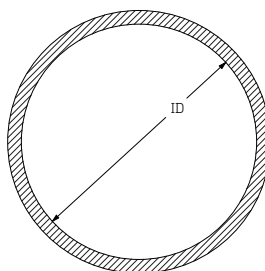
## DB90 Urethane Drive Band

|                  |                                                                   |                                    |
|------------------|-------------------------------------------------------------------|------------------------------------|
| Applications     | Suits Ø50mm grooved rollers, roller to roller drive at 96mm pitch |                                    |
| Material Options | Ø4.75mm Clear Urethane                                            | Ø5.2mm Blue High Strength Urethane |
| Dimensions       | ID = Ø90mm<br>295mm overall length                                | ID = Ø80mm<br>266mm overall length |
| Part Numbers     | 114-DB90-C                                                        | 114-DB90-B                         |



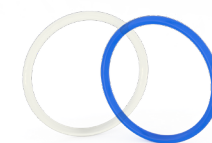
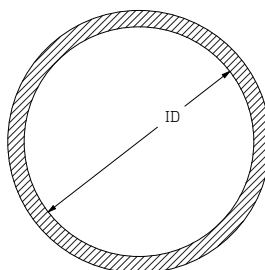
## PB7 Urethane Drive Band

|                  |                                                                      |                                    |
|------------------|----------------------------------------------------------------------|------------------------------------|
| Applications     | Suits Ø50mm grooved rollers, roller to roller drive at 75-80mm pitch |                                    |
| Material Options | Ø4.75mm Clear Urethane                                               | Ø5.2mm Blue High Strength Urethane |
| Dimensions       | ID = Ø81mm<br>270mm overall length                                   | ID = Ø73mm<br>248mm overall length |
| Part Numbers     | 114-PB7-C                                                            | 114-PB7-B                          |



## DB73 Urethane Drive Band

|                  |                                                                   |                                    |
|------------------|-------------------------------------------------------------------|------------------------------------|
| Applications     | Suits Ø50mm grooved rollers, roller to roller drive at 64mm pitch |                                    |
| Material Options | Ø4.75mm Clear Urethane                                            | Ø5.2mm Blue High Strength Urethane |
| Dimensions       | ID = Ø73mm<br>245mm overall length                                | ID = Ø68mm<br>228mm overall length |
| Part Numbers     | 114-DB73-C                                                        | 114-DB73-B                         |



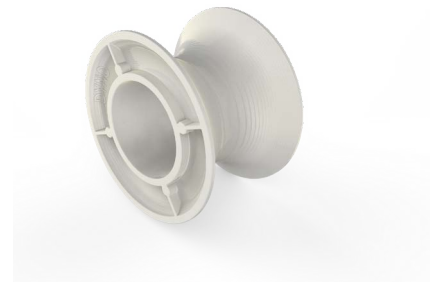
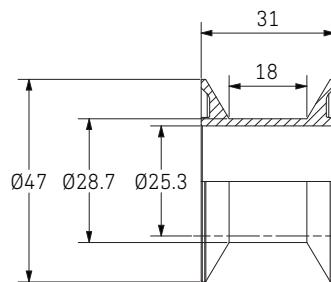
## Emergency Drive Band

|                |                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------|
| Applications   | Used for temporary replacement of worn out or damaged urethane bands as they are easily installed without dropping lineshafts |
| Materials      | U.V resistant twisted black polyurethane with stainless steel connector                                                       |
| Stretch Factor | 17%                                                                                                                           |
| Dimensions     | 275mm overall length<br>330mm overall length<br>238mm overall length                                                          |
| Part Numbers   | 114-DBE-275<br>114-DBE-330<br>114-DBE-238                                                                                     |



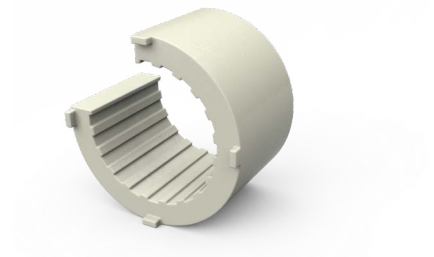
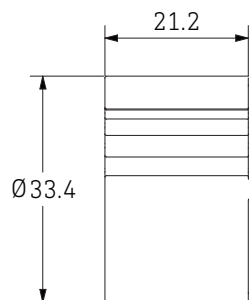
## Lineshaft Spool

|              |                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications | To suit both 1" and 25mm lineshafts, spools float on the shaft preventing belts from wearing out and allow rollers to stop if objects get caught in rollers. |
| Materials    | White acetal.                                                                                                                                                |
| Part Numbers | 103-SP1                                                                                                                                                      |



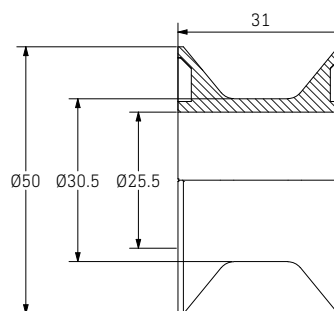
## Clip Locks

|              |                        |
|--------------|------------------------|
| Applications | To fit Ø25mm lineshaft |
| Materials    | White acetal           |
| Part Numbers | 103-SPL                |



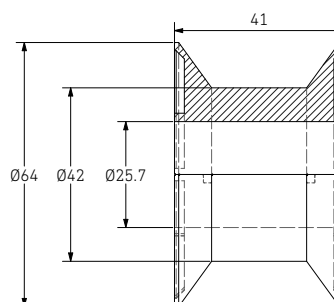
## Lineshaft Split Spool

|                |                                                 |
|----------------|-------------------------------------------------|
| Applications   | Two piece spool used for emergency replacements |
| Specifications | Suits Ø25mm lineshaft                           |
| Materials      | Red acetal.                                     |
| Part Numbers   | 103-SPS-R                                       |



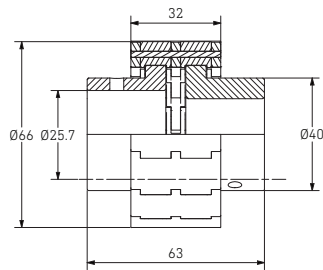
## Lineshaft Speed Up Spool

|              |                      |
|--------------|----------------------|
| Applications | To speed up conveyor |
| Materials    | Green Acetal         |
| Part Numbers | 103-SPS-G            |



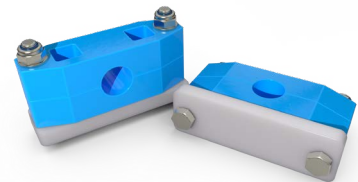
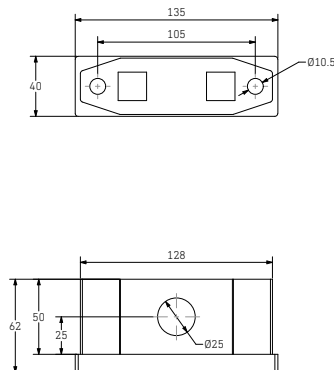
## Coupling Chain and Sprocket

|                |                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------|
| Applications   | Easily join lineshaft conveyor sections together                                                    |
| Specifications | 14T 1/2" pitch sprockets with safe and clean plastic wrap around chain and connecting pin           |
| Materials      | Stainless steel (SS) or zinc plated (ZP) sprockets and poly acetal chain with stainless steel links |
| Part Numbers   | 103-TBCC-ZP<br>103-TBCC-SS<br>103-TBCC (Chain only + joiner pin)                                    |



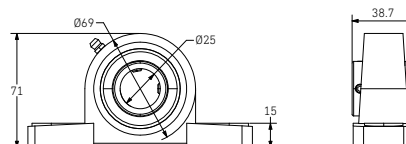
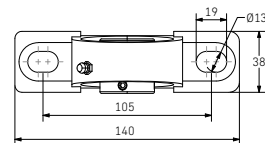
## Lineshaft Bearing Block

|                |                                                                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications   | Bearing block assembly for wash down or stainless steel lineshaft conveyor systems. Used as replacement bearing for standard 25mm pillow block housing and bearing. |
| Specifications | Suits Ø25mm lineshaft                                                                                                                                               |
| Materials      | Blue high grade acetal                                                                                                                                              |
| Part Numbers   | 103-TBLB (Whole assembly)<br>103-TB01 (Blue half only)                                                                                                              |



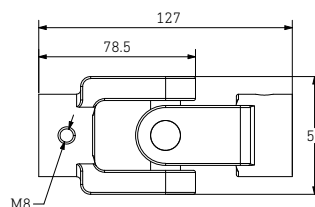
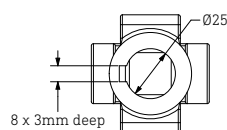
## UCP205 Bearing and housing

|                |                                                        |
|----------------|--------------------------------------------------------|
| Applications   | Bearings used on mild steel lineshaft conveyor systems |
| Specifications | Suits Ø25mm lineshaft                                  |
| Materials      | Cast iron housing with sealed precision bearings       |
| Part Numbers   | 103-UCP205                                             |
| Options        | Plastic housing with stainless UC205 bearing           |



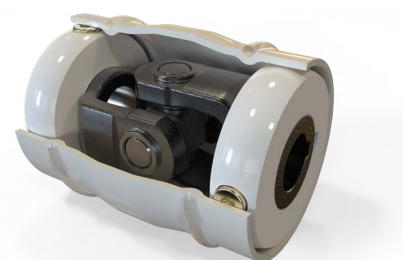
## Universal Joint

|                |                                                                                        |
|----------------|----------------------------------------------------------------------------------------|
| Applications   | Lineshaft conveyor bends                                                               |
| Specifications | Suits 25mm lineshaft<br>Other sizes and double jointed units also available on request |
| Materials      | Cast iron                                                                              |
| Part Numbers   | 103-SUJ25                                                                              |



## Universal Joint Cover

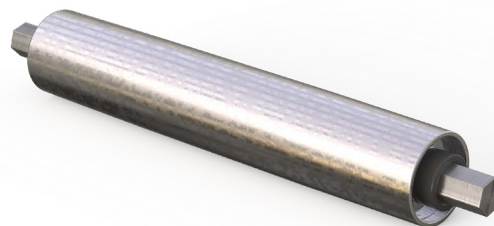
|              |                                                                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------|
| Applications | Fits over universal joint on lineshaft conveyors and helps extend life of universal joints in heavy washdown areas. |
| Materials    | PVC                                                                                                                 |
| Part Numbers | 103-TUGC                                                                                                            |



## Minibelt 32mm Tail Drum

### Technical Data

|                 |                                                                    |
|-----------------|--------------------------------------------------------------------|
| Tube Materials  | Ø33.4mm x 3.38mm Crowned Stainless Steel machined down to Ø32mm OD |
| Bearing Type    | 6902 Stainless Steel Precision with Tail Bush                      |
| Shaft Sizes     | 11mm Hex                                                           |
| Shaft Materials | Stainless Steel                                                    |
| Shaft Type      | Fixed                                                              |

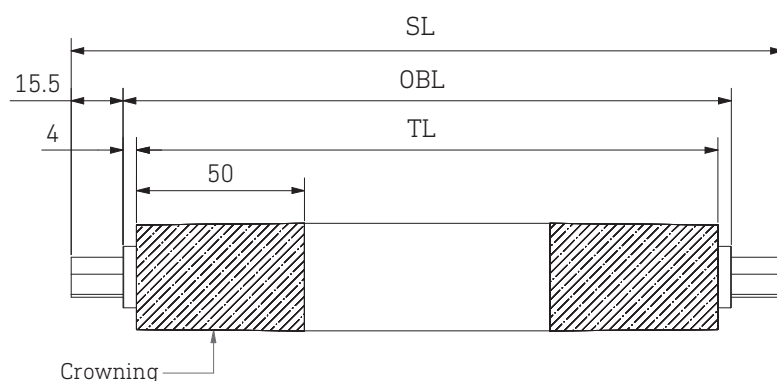


### Dimensions

SL = Shaft length

OBL = Over bearing length, length of rollers measured from outside of bearings

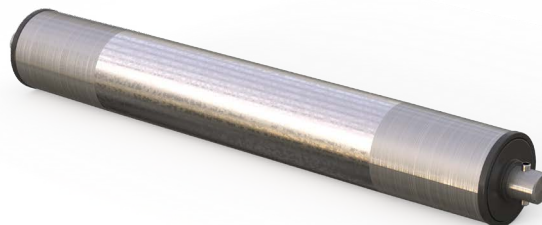
TL = Tube length



## Slimline 60mm Tail Drum

### Technical Data

|                 |                                                                                      |
|-----------------|--------------------------------------------------------------------------------------|
| Tube Materials  | Ø60.3mm x 3.6mm Crowned Galvanised Steel<br>Ø60.3mm x 2.77mm Crowned Stainless Steel |
| Bearing Type    | 6204 (ZZ or SS) precision bearing in polyprop housing                                |
| Shaft Sizes     | Ø20mm                                                                                |
| Shaft Materials | Mild Steel<br>Stainless Steel                                                        |
| Shaft Type      | Fixed                                                                                |

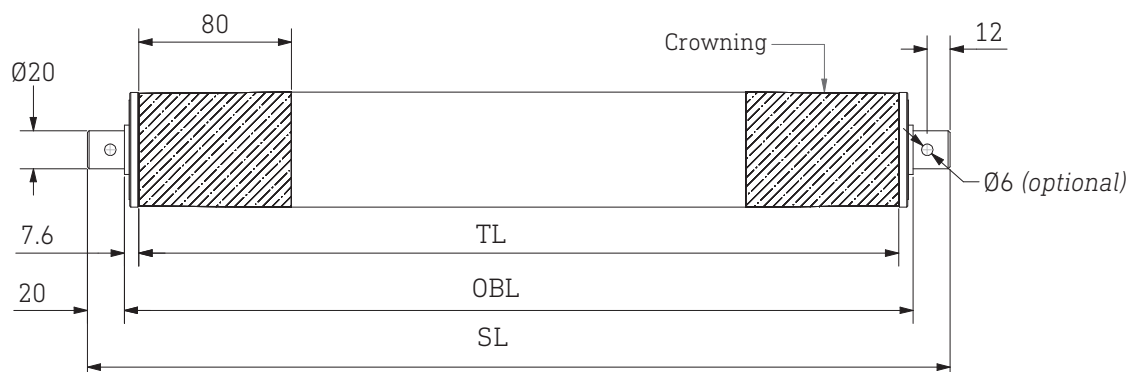


### Dimensions

SL = Shaft length

OBL = Over bearing length, length of rollers measured from outside of bearings

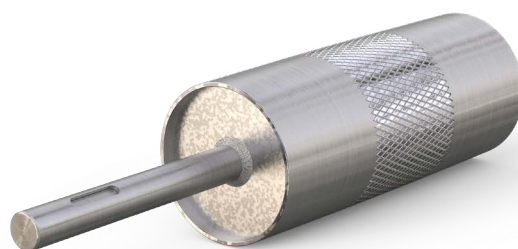
TL = Tube length



## Tranzbelt 114mm Drive Drum

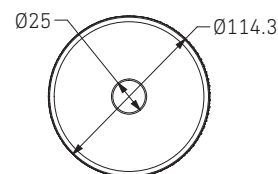
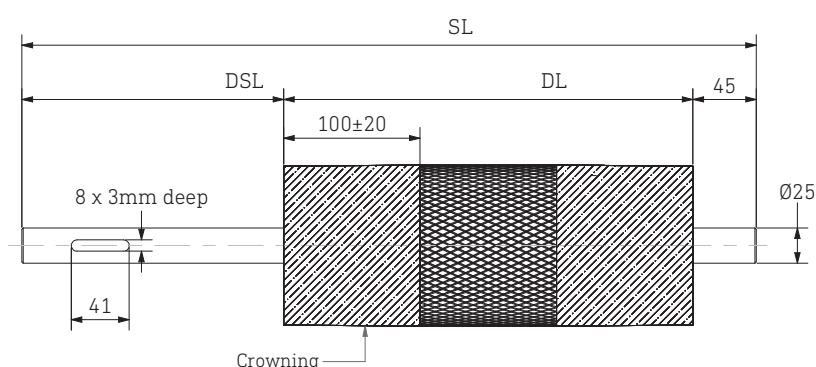
### Technical Data

|                            |                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tube Materials             | Ø114.3 x 6.2mm Crowned Zinc Plated Mild Steel (other options available)                                                                                               |
| Endplates                  | Welded                                                                                                                                                                |
| Shaft Sizes                | Ø25mm (other options available)                                                                                                                                       |
| Shaft Materials            | Mild Steel                                                                                                                                                            |
| Shaft Type                 | Fixed                                                                                                                                                                 |
| Options                    | Knurling or Rubber Lagging                                                                                                                                            |
| Standard Drum Lengths (DL) | 140mm (200mm belt width)<br>290mm (350mm belt width)<br>440mm (500mm belt width)<br>590mm (650mm belt width)<br>740mm (800mm belt width)<br>940mm (1000mm belt width) |



### Dimensions

SL = Shaft length  
DL = Drum length  
DSL = Drive shaft length



## Tranzbelt 114mm Tail Drum

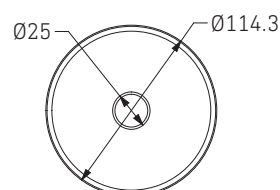
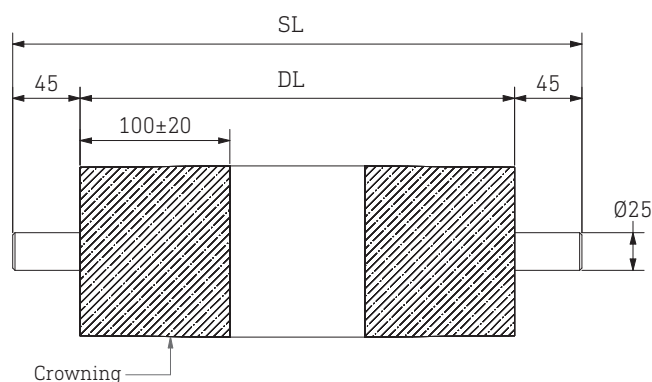
### Technical Data

|                            |                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tube Materials             | Ø114.3 x 6.2mm Crowned Zinc Plated Mild Steel (other options available)                                                                                               |
| Endplates                  | Welded                                                                                                                                                                |
| Shaft Sizes                | Ø25mm (other options available)                                                                                                                                       |
| Shaft Materials            | Mild Steel                                                                                                                                                            |
| Shaft Type                 | Fixed                                                                                                                                                                 |
| Standard Drum Lengths (DL) | 140mm (200mm belt width)<br>290mm (350mm belt width)<br>440mm (500mm belt width)<br>590mm (650mm belt width)<br>740mm (800mm belt width)<br>940mm (1000mm belt width) |



### Dimensions

SL = Shaft length  
DL = Drum length





## Ø89mm Pallet Conveyor Roller

### Technical Data

|                         |                                                                           |
|-------------------------|---------------------------------------------------------------------------|
| Tube Materials          | Ø88.9 x 2.3mm Zinc Plated Mild Steel<br>(other options available)         |
| Bearing Type            | Precision with Steel Housing                                              |
| Sprocket Specifications | Weld in<br>14 Tooth<br>5/8" Pitch<br>Double Row<br>Zinc Plated Steel      |
| Shaft Sizes             | Ø16mm                                                                     |
| Shaft Materials         | Zinc Plated Mild Steel                                                    |
| Shaft Type              | Fixed with M8 Female Threads each end                                     |
| Useable Roller Length   | To suit most pallet sizes up to 1250mm                                    |
| Load Rating             | 350kg per roller<br>Note: pallet point loading reduces load rating by 1/3 |

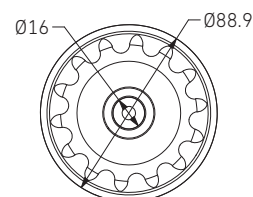
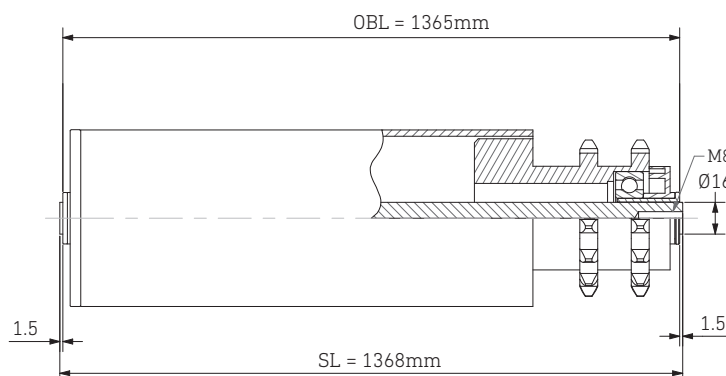


### Dimensions

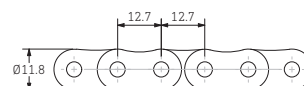
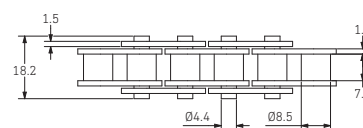
SL = Shaft length

OBL = Over bearing length, length of rollers measured from outside of bearings

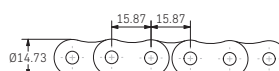
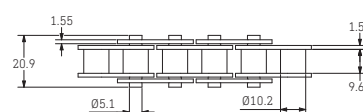
TL = Tube length



## 1/2" Pitch BS Chain



## 5/8" Pitch BS Chain



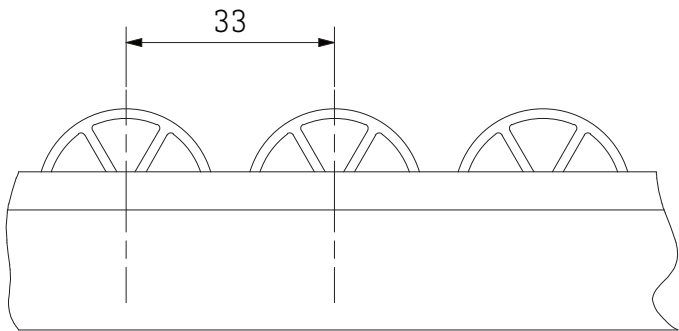
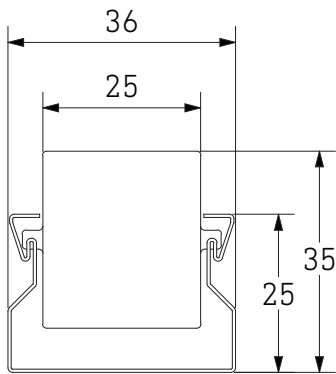


Miniroll Single Wheel Track

|                |                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------|
| Specifications | 2376mm Standard Length (other options available)<br>35mm Wheel Pitch<br>Max load per wheel 20kg |
| Materials      | Robust galvanised steel track with polypropylene wheels and polished steel axles                |
| Part Numbers   | 119-MR01                                                                                        |
| Accessories    | Strengthening Clip<br>Braking Ramp<br>Non-Return<br>Joiner<br>Mounting Clip                     |
| Options        | Double Wheel Track<br>Stainless Steel<br>Plastic                                                |

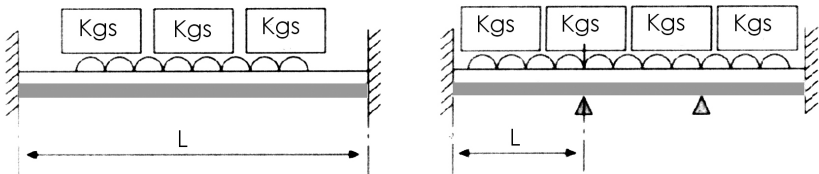


Dimensions



Load Ratings

| Span with two Supports (mm) | Max load Per rail (kgs) |
|-----------------------------|-------------------------|
| 600                         | 70                      |
| 700                         | 50                      |
| 800                         | 40                      |
| 900                         | 30                      |
| 1000                        | 25                      |
| 1100                        | 20                      |
| 1200                        | 18                      |
| 1300                        | 15                      |
| 1400                        | 12                      |
| 1500                        | 10                      |



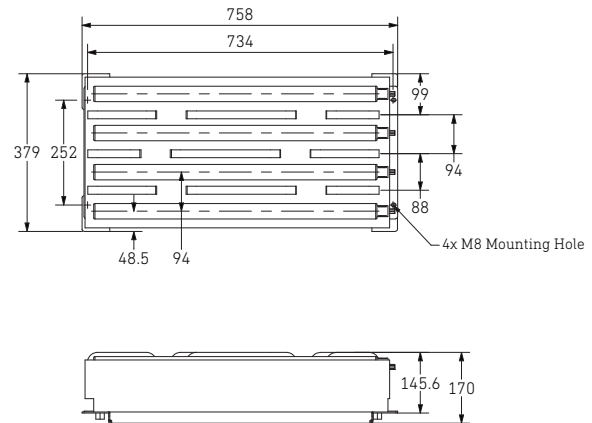
| Span with more than two supports (mm) | Max load Per rail (kgs) |
|---------------------------------------|-------------------------|
| 570                                   | 100                     |
| 660                                   | 80                      |
| 800                                   | 70                      |
| 1000                                  | 50                      |
| 1330                                  | 25                      |

## 24V CONVEYOR TRANSFER MODULES

### F-RAT S300 Flat Right Angle Transfer Module

Full specifications and operating manual available on request.

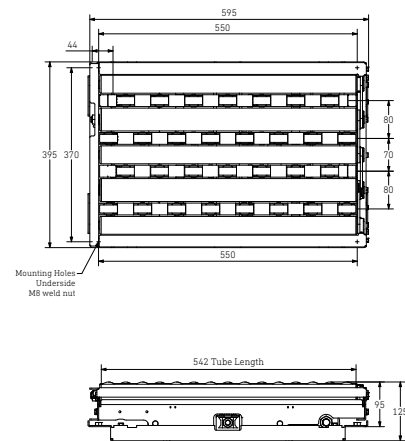
|                         |                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Model Number            | F-RAT-S- (speed) (signal type) - (size) - (type)                                                                         |
| Transfer Speed          | 17 - 17m/min<br>60 - 60m/min<br>90 - 90m/min                                                                             |
| Signal Type Selection   | N - NPN Signal<br>P - PNP Signal                                                                                         |
| Available Sizes         | A - 379mm wide x 758mm long<br>B - 497mm wide x 758mm long<br>C - 597mm wide x 758mm long<br>D - 697mm wide x 758mm long |
| Max Transferable Weight | 50kg                                                                                                                     |



### F-RAT NX75 Flat Right Angle Transfer Module

Full specifications and operating manual available on request.

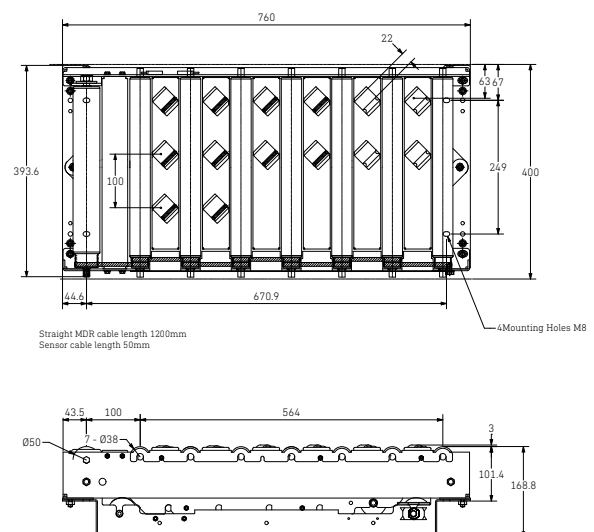
|                         |                                                                               |
|-------------------------|-------------------------------------------------------------------------------|
| Model Number            | F-RAT-NX75- (motor type) (speed) - (size) - (controller) (input signal type)  |
| Motor Type              | F - FE (10 pin connector)                                                     |
| Transfer Speed          | 17 - 17m/min<br>60 - 60m/min                                                  |
| Available Sizes         | Widths - 395mm, 495mm, 595mm, 695mm or 795mm<br>Lengths - 595mm, 745mm, 895mm |
| Controller              | E - EtherNet I/P Communication<br>C - Standard                                |
| Input Signal            | N - NPN I/O Type<br>P - PNP I/O Type                                          |
| Max Transferable Weight | 50kg                                                                          |



### POP-D Divert Module

Full specifications and operating manual available on request.

|                     |                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------|
| Model Number        | POP-D- (divert direction) (divert angle) - (speed) (signal type) - (size) (type)                                         |
| Divert Direction    | L - Divert Left<br>R - Divert Right                                                                                      |
| Divert Angle        | 30D - 30 Degrees<br>45D - 45 Degrees                                                                                     |
| Transfer Speed      | 60 - 60m/min                                                                                                             |
| Signal Type         | N - NPN input / output<br>P - PNP input / output                                                                         |
| Available Sizes     | A - 394mm wide x 760mm long<br>B - 494mm wide x 760mm long<br>C - 594mm wide x 760mm long<br>D - 694mm wide x 760mm long |
| Maximum Load Weight | 30kg                                                                                                                     |

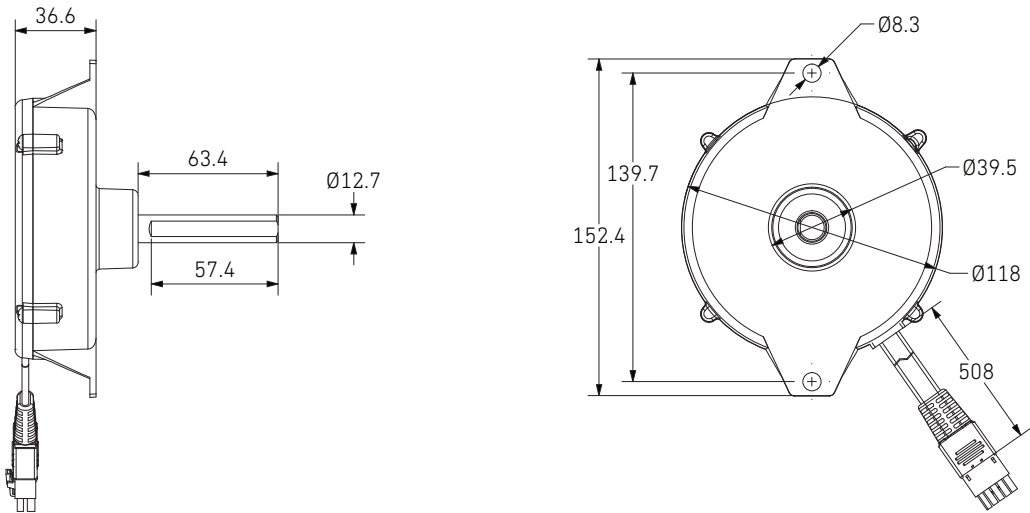


DynoDrive 24v Pancake Motors

Designed specifically for unit handling conveyors, DynoDrive is a Zero Pressure Accumulation (ZPA) System. Exceptionally reliable, quiet and with outstanding design flexibility they are simple and cost-effective to use; consisting of an externally mounted direct drive brushless DC motor, driven by its own individual control card. It is especially well suited for small package conveyors where small diameter rollers, tight roller spacing and narrow conveyor widths are needed.



Dimensions



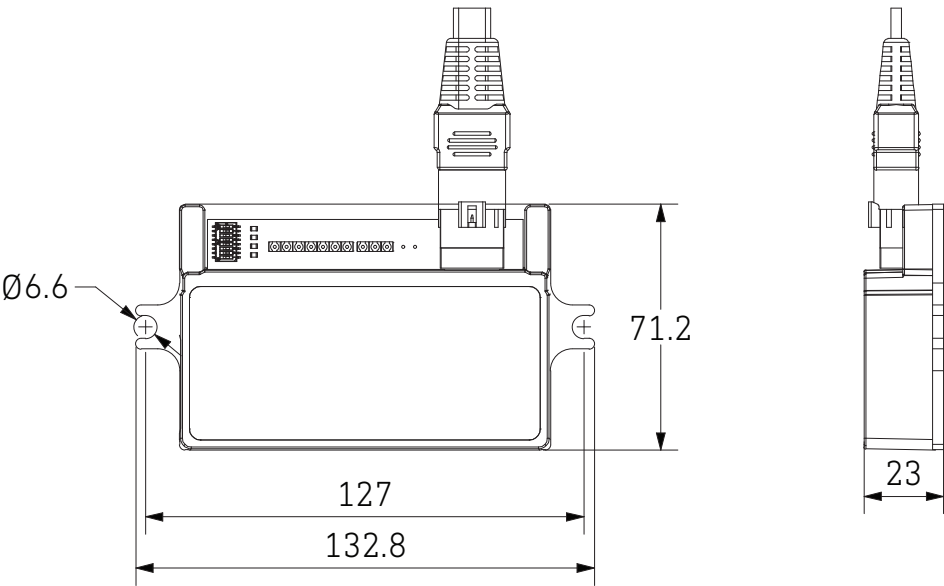
Operating Characteristics

Full specifications and operating manual available on request.

|      |             |            |            | Inputs          |                  |                    | Outputs            |                   |                              |             |                                |               |                                 |
|------|-------------|------------|------------|-----------------|------------------|--------------------|--------------------|-------------------|------------------------------|-------------|--------------------------------|---------------|---------------------------------|
|      | Part Number | Shaft Type | Shaft (mm) | Voltage (Rated) | Amperage (Rated) | Amperage (No-Load) | Rated Output Watts | Maximum Speed RPM | Torque at Max Speed (in-lbf) | Rated Speed | Torque at Rated Speed (in-lbf) | Minimum Speed | Stall/ Starting Torque (in-lbf) |
| 25W  | 300985      | D-Shaft    | 63.4       | 24 VDC          | 2                | 0.2                | 25                 | 350               | 3                            | 280         | 8                              | 70            | >8                              |
| 48W  | 300986      | D-Shaft    | 63.4       | 24 VDC          | 3                | 0.2                | 48                 | 280               | 10                           | 250         | 15                             | 55            | >15                             |
|      | 301481      | D-Shaft    | 35         |                 |                  |                    |                    |                   |                              |             |                                |               |                                 |
|      | 301373      | Keyed      | 45.7       |                 |                  |                    |                    |                   |                              |             |                                |               |                                 |
| 100W | 300987      | D-Shaft    | 63.4       | 24 VDC          | 4                | 0.3                | 60                 | 350               | 15                           | 350         | 15                             | 70            | >15                             |
|      | 301233      | Keyed      | 45.7       |                 |                  |                    |                    |                   |                              |             |                                |               |                                 |
| 80W  | 300988      | D-Shaft    | 63.4       | 24 VDC          | 5                | 0.4                | 80                 | 450               | 15                           | 450         | 15                             | 90            | >15                             |
|      | 301234      | Keyed      | 45.7       |                 |                  |                    |                    |                   |                              |             |                                |               |                                 |
| 100W | 300989      | D-Shaft    | 63.4       | 24 VDC          | 6                | 0.5                | 100                | 560               | 15                           | 560         | 15                             | 110           | >15                             |
|      | 301235      | Keyed      | 45.7       |                 |                  |                    |                    |                   |                              |             |                                |               |                                 |
| 120W | 300990      | D-Shaft    | 63.4       | 24 VDC          | 7                | 0.6                | 120                | 700               | 14                           | 700         | 14                             | 140           | >14                             |
|      | 301236      | Keyed      | 45.7       |                 |                  |                    |                    |                   |                              |             |                                |               |                                 |

ZoneLogix Control Cards

Dimensions

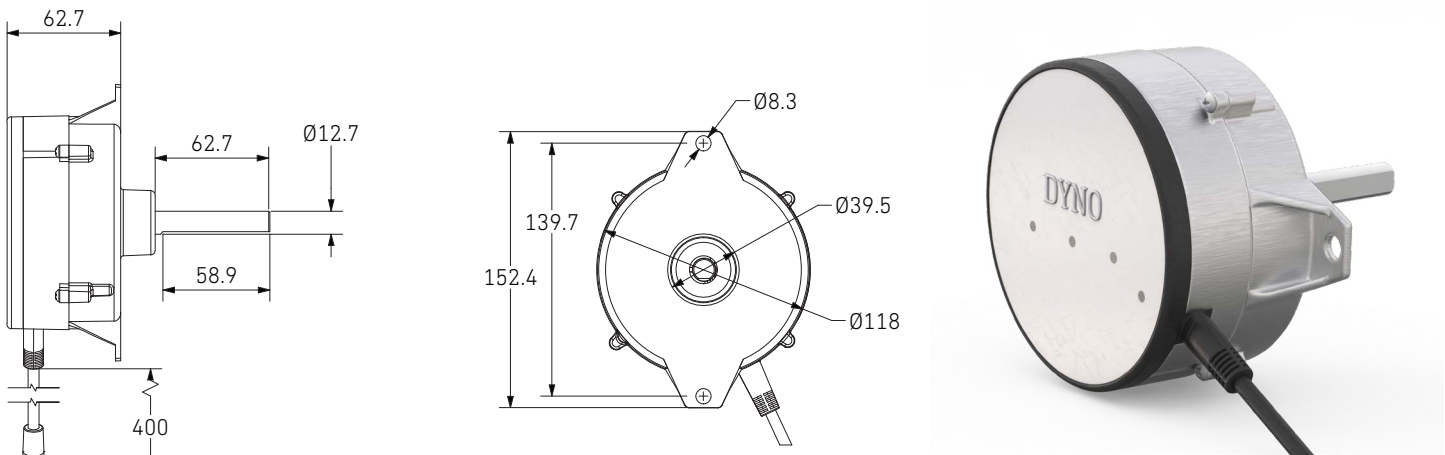


Multiple options available with installation guides available on request.

DynoDrive ONE 24v Pancake Motor

One motor, multiple control options, multiple widths! Designed specifically for unit handling conveyors, DynoDrive ONE is a Zero Pressure Accumulation (ZPA) system that can now be paired with various industry controllers. Exceptionally reliable, quiet and with outstanding design flexibility, they are simple and cost-effective to use.

Dimensions



Operating Characteristics

Full specifications and operating manual available on request.

|     |             |            |                | Input           |                  |                    |               | Output             |                   |                     |             |                                |               |                        |
|-----|-------------|------------|----------------|-----------------|------------------|--------------------|---------------|--------------------|-------------------|---------------------|-------------|--------------------------------|---------------|------------------------|
|     | Part Number | Shaft Type | Shaft (Inches) | Voltage (Rated) | Amperage (Rated) | Amperage (No-Load) | Stall Current | Rated Output Watts | Maximum Speed RPM | Torque at Max Speed | Rated Speed | Torque at Rated Speed (in-lbf) | Minimum Speed | Stall/ Starting Torque |
| 60W | 301210      | D-Shaft    | 2.5            | 24 VDC          | 4                | 0.3                | 2 Amps        | 60                 | 350               | 14 lbf-in           | 350         | 14                             | 70            | 25 lbf-in              |
|     | 301832      | D-Shaft    | 1.375          |                 |                  |                    |               |                    |                   |                     |             |                                |               |                        |
|     | 301833      | Keyed      | 1.8            |                 |                  |                    |               |                    |                   |                     |             |                                |               |                        |

## Ezyroll Gravity Roller Conveyor

A gravity roller conveyor that seamlessly conveys cartons, boxes and crates from A to B. Designed and manufactured in NZ, we can customise to suit any application - be it the width, length, type and number of rollers. Ideal for warehousing or dispatch systems or use as a twinlane system for pallet conveying.

### Specifications

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Frame TOR Profile   | 100mm                                                                                                        |
| Construction        | 2.5mm Steel Thickness with Ali Crossmembers                                                                  |
| Finish Options      | PC - Powder Coated (Pommel Blue) Mild Steel<br>SS - Stainless Steel (incl. SS Crossmembers for washdown)     |
| Standard Sizes      | 1,184mm Straight<br>2,400mm Straight<br>90° Bend<br>(other sizes available on request)                       |
| Inside Frame Widths | 200mm - 1200mm in 50mm increments                                                                            |
| Standard Hole Size  | 11mm Hex                                                                                                     |
| Roller Pitch        | Min 32mm. Can go up in 32mm increments (i.e. 64mm, 128mm, 160mm, etc...)<br>(frames punched at 32mm centres) |
| Roller Types        | Any of our Ø48mm or Ø60mm roller range<br>(see pages 17-29)                                                  |
| Options             | Pedestrian Access Gate<br>High Sides<br>Guide Rails<br>Fixed End Stop<br>Inline Scales with Indicator        |



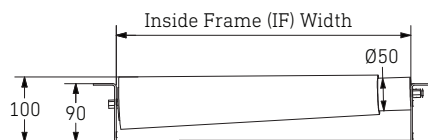
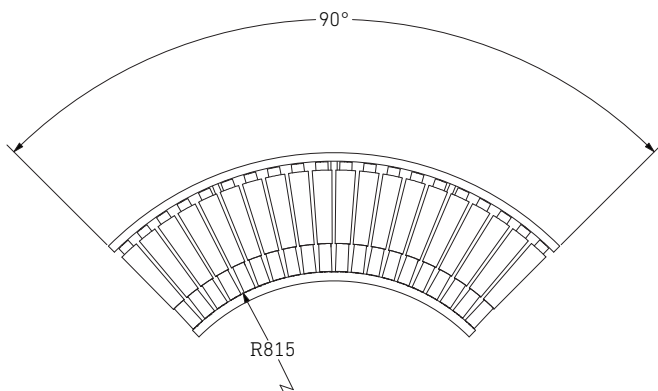
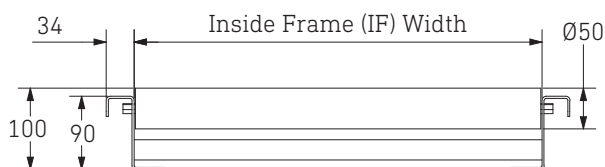
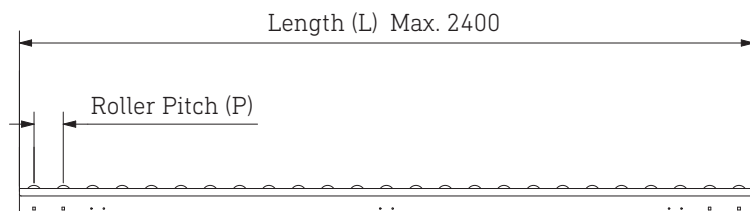
### Dimensions

L = Overall Length of conveyor

P = Roller Pitch

IF = Width of conveyor measured from the inside of the conveyor frame

TOR = Top of roller

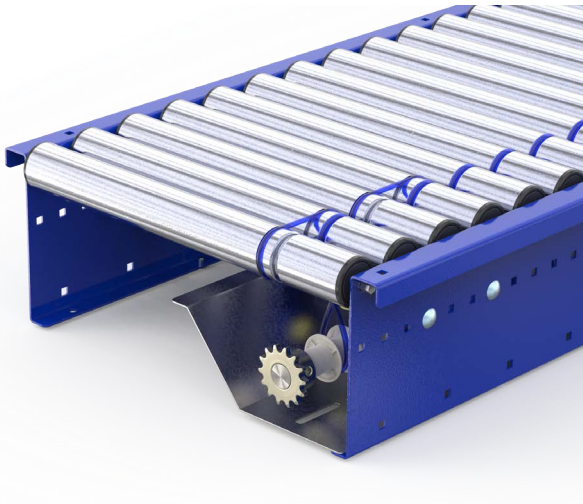


Tranzband (lineshaft) Powered Roller Conveyor

An inbuilt accumulation system and innovative safety features makes this lineshaft conveyor the conveyor of choice in many industries. Easily transfer product, accumulate, move around bends or through gates with this modular design. The basis of the system is a tough polyurethane belt which enables each grooved roller to be independently driven from a common lineshaft.

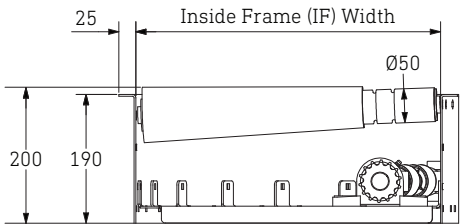
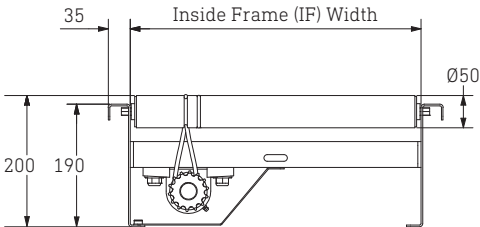
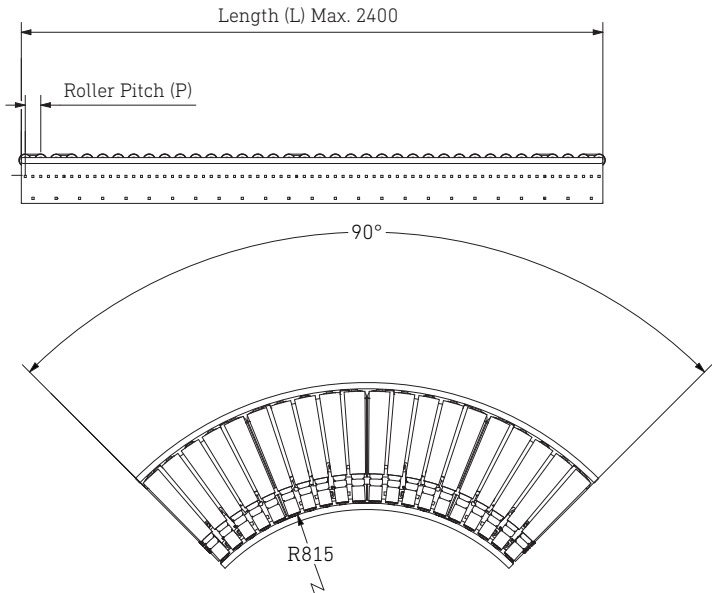
Specifications

|                     |                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------|
| Frame TOR Profile   | 200mm                                                                                                  |
| Construction        | 2.5mm Steel Thickness with welded angle crossmembers                                                   |
| Finish Options      | PC - Powder Coated (Pommel Blue) Mild Steel<br>SS - Stainless Steel (incl. SS Crossmembers)            |
| Lengths             | 2,400mm Straight<br>90° Bend<br>(other sizes available on request)                                     |
| Inside Frame Widths | 450mm or 600mm<br>(other sizes available on request)                                                   |
| Standard Hole Size  | 11mm Hex                                                                                               |
| Roller Pitch        | Min 64mm. Can go up in 32mm increments (i.e. 128mm, 160mm, etc...)<br>(frames punched at 32mm centres) |
| Roller Types        | Any of our Ø48mm or Ø60mm roller range<br>(see pages 17-29)                                            |
| Options             | Pedestrian Access Gate<br>High Sides<br>Guide Rails<br>Chain Transfer<br>Drop Gate                     |



Dimensions

L = Overall Length of conveyor  
P = Roller Pitch  
IF = Width of conveyor measured from the inside of the conveyor frame  
TOR = Top of roller



Tranzband Design Recommendations and Calculations for Drive

- Roller drive - 8kg each when accumulating
- Design the system so that only straight flat sections are used for accumulation where possible
- Maximum length of shaft either side of drive unit = 15m
- Details required for Drive Calculation
  - Pitch of rollers
  - Speed required
  - Total length of straight conveyor used with and without accumulation
  - Number of bends

Power required for bend = 6m of straight without accumulation.  
1m of straight used for accumulation = 2m of straight not used for accumulation.

Maximum length of conveyor that can be driven by standard 1/2 0.37kw inline geared motor

| Roller Pitch | Speed |       |
|--------------|-------|-------|
|              | 14mpm | 28mpm |
| 64mm         | 20m   | 10m   |
| 96mm         | 30m   | 15m   |
| 128mm        | 40m   | 20m   |

mpm = metres per minute  
m = metres of straight conveyor not used for accumulation  
Double capacity for 1hp 0.75kw drive unit

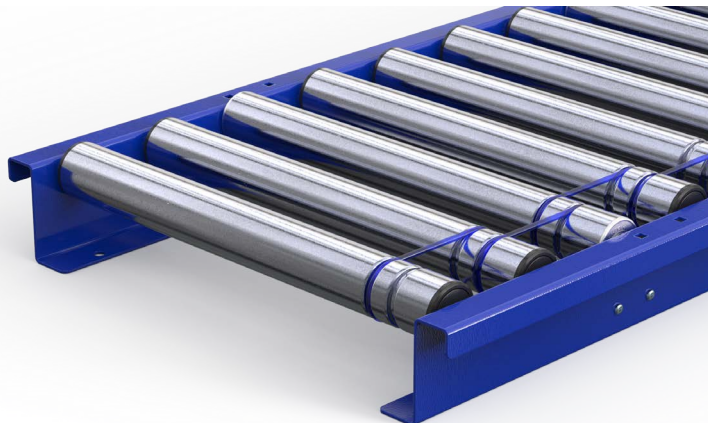


## DynoDrive 50 Powered Roller Conveyor

Designed specifically for unit handling conveyors, DynoDrive is a Zero Pressure Accumulation (ZPA) System consisting of a motor driven roller driving a section of slave or idler rollers.

### Specifications

|                     |                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------|
| Frame TOR Profile   | 100mm                                                                                                  |
| Construction        | 2.5mm Steel Thickness with Ali Crossmembers                                                            |
| Finish Options      | PC - Powder Coated (Pommel Blue) Mild Steel<br>SS - Stainless Steel (incl. SS Crossmembers)            |
| Lengths             | 2,400mm Straight<br>90° Bend<br>(other sizes available on request)                                     |
| Inside Frame Widths | 450mm, 500mm, 600mm or 650mm                                                                           |
| Drive Roller        | PM500FE - Ø50mm 24v DC Powered Roller                                                                  |
| Nominal Speeds      | 17m/min or 60m/min                                                                                     |
| Standard Hole Size  | 11mm Hex                                                                                               |
| Roller Pitch        | Min 64mm. Can go up in 32mm increments (i.e. 128mm, 160mm, etc...)<br>(frames punched at 32mm centres) |
| Options             | Pedestrian Access Gate<br>High Sides<br>Guide Rails                                                    |



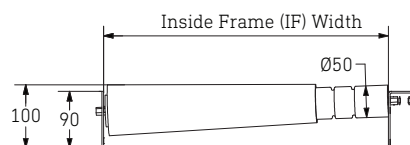
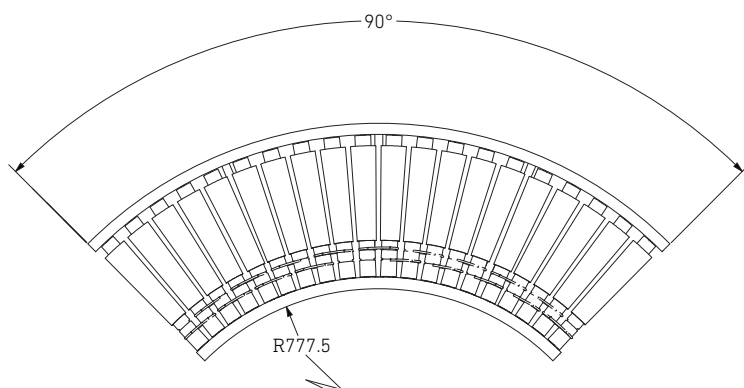
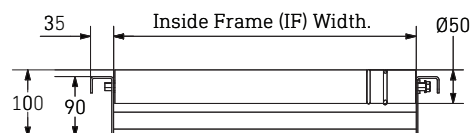
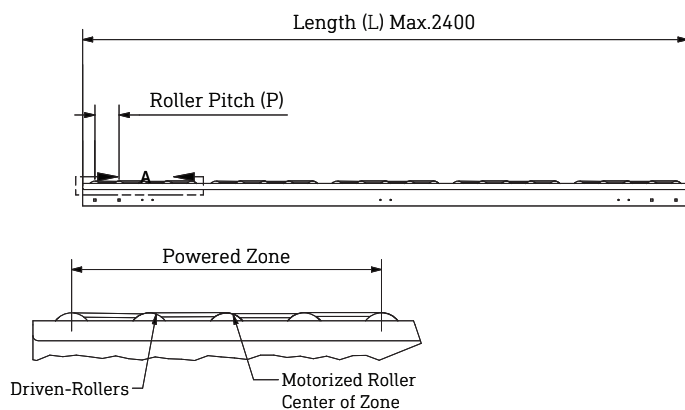
### Dimensions

L = Overall Length of conveyor

P = Roller Pitch

IF = Width of conveyor measured from the inside of the conveyor frame

TOR = Top of roller



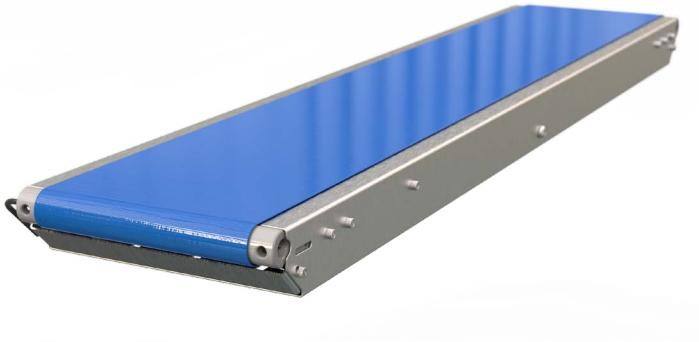


# Tranzbelt S20 Minibelt Conveyor

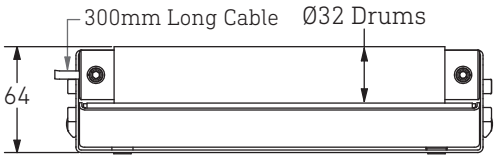
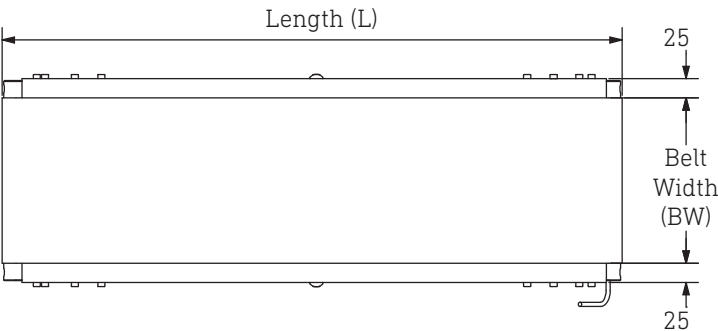
The smallest of all - this safe, low profile belt conveyor is ideal for light duty applications. Proven across a wide range of industries, these conveyors are suitable for a vast array of light duty applications with a range of options to ensure a fit for any purpose.

## Specifications

|                |                                                                     |
|----------------|---------------------------------------------------------------------|
| Frame Depth    | 64mm                                                                |
| Construction   | Mild Steel or Stainless Steel                                       |
| Finish Options | PC - Powder Coated (Pommel Blue) Mild Steel<br>SS - Stainless Steel |
| Lengths        | To suit specific requirements                                       |
| Belt Widths    | 200mm, 300mm, 400mm, 500mm or 600mm                                 |
| Belt Type      | Standard Blue 1 Ply PVC<br>Food Grade White 1 Ply PVC               |
| Belt Support   | Roller or Slider Bed                                                |
| Drive Motor    | PM320HS - Ø32mm 24v DC Powered Roller                               |
| Nominal Speed  | 6-30m/min                                                           |
| Options        | High Sides<br>Stands<br>Sensors and Mounting Brackets<br>Guarding   |



## Dimensions



## Features & Benefits

- Your safety guaranteed - with complete underguarding, internal drive drum, and smooth edges to minimise pinch points
- Quiet and energy efficient with 24v low power consumption, an economic variable speed drive and motor that only runs when required
- A collaborative conveyor you and your team can safely work alongside
- Hassle free maintenance with minimal tools required and all parts available through our standard product range
- Reduced product damage with the belt providing a smooth and controllable method of transporting product
- Avoid belt adjustment tampering which increases wear and tear with hidden internal belt adjustment

Tranzbelt S20 Slimline Belt Conveyor

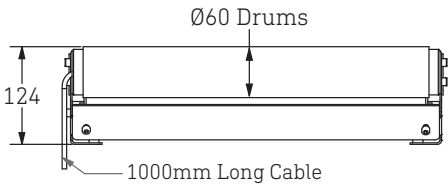
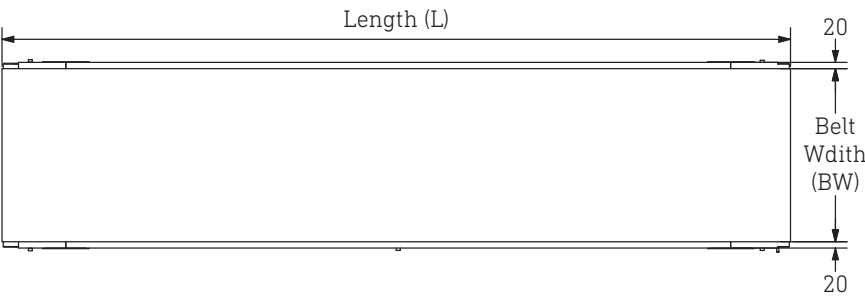
Small yet powerful - this is where aesthetics and function combine. Proven across a wide range of industries, these belt conveyors are suitable for a vast array of light to medium duty applications with a range of options to ensure a fit for any purpose.

Specifications

|                |                                                                                                |
|----------------|------------------------------------------------------------------------------------------------|
| Frame Depth    | 124mm                                                                                          |
| Construction   | Mild Steel or Stainless Steel                                                                  |
| Finish Options | PC - Powder Coated (Pommel Blue) Mild Steel<br>SS - Stainless Steel                            |
| Lengths        | To suit specific requirements                                                                  |
| Belt Widths    | 450mm, 600mm or 800mm                                                                          |
| Belt Type      | Standard Black, Green or White 2 Ply PVC<br>(other materials and options available on request) |
| Belt Support   | Roller or Slider Bed                                                                           |
| Drive Motor    | PM605KT - Ø60mm 24V DC Powered Roller                                                          |
| Nominal Speed  | 15m/min or 55m/min                                                                             |
| Options        | High Sides<br>Stands<br>Sensors and Mounting Brackets                                          |



Dimensions



Features & Benefits

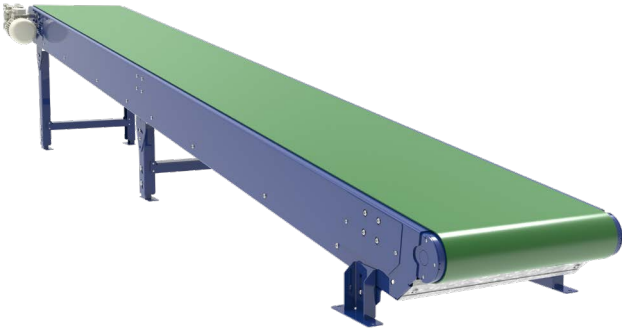
- Your safety guaranteed - with complete underguarding, internal drive drum, and smooth edges to minimise pinch points
- Quiet and energy efficient with 24v low power consumption, an economic variable speed drive and motor that only runs when required
- A collaborative conveyor you and your team can safely work alongside
- Hassle free maintenance with minimal tools required and all parts available through our standard product range
- Reduced product damage with the belt providing a smooth and controllable method of transporting product
- Avoid belt adjustment tampering which increases wear and tear with hidden internal belt adjustment

# Tranzbelt S20 Belt Conveyor

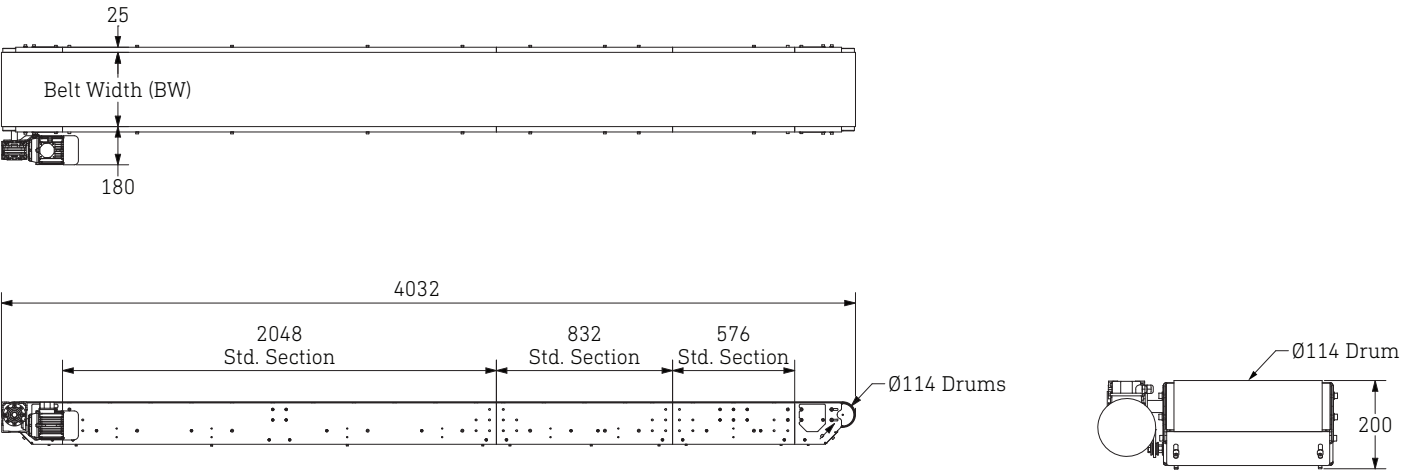
For safe, efficient and reliable product movement - this is where aesthetics and function combine. With a requirement to provide safer work environments, this belt conveyor boasts a number of safety features bringing your safety to the fore. Proven across a wide range of industries, these conveyors are suitable for a vast array of applications with a range of options to ensure a fit for any purpose.

## Specifications

|                |                                                                                                     |                          |
|----------------|-----------------------------------------------------------------------------------------------------|--------------------------|
| Frame Depth    | 200mm                                                                                               |                          |
| Construction   | 3mm Steel Thickness with Ali Crossmembers                                                           |                          |
| Finish Options | PC - Powder Coated (Pommel Blue) Mild Steel<br>SS - Stainless Steel (incl. SS Crossmembers)         |                          |
| Lengths        | Length can be configured to suit application based on standard section sizes                        |                          |
|                | Standard Section Sizes                                                                              |                          |
|                | Length                                                                                              | With Head and Tail Drums |
|                | 2048                                                                                                | 2608                     |
|                | 832                                                                                                 | 1392                     |
|                | 576                                                                                                 | 1136                     |
| Belt Widths    | 200mm, 350mm, 500mm, 650mm, 800mm or 1000mm                                                         |                          |
| Belt Type      | Standard Black PVC (other materials and options available on request e.g. grip top, food grade etc) |                          |
| Belt Support   | Roller or Slider Bed                                                                                |                          |
| Drive Motor    | Single or Three Phase Geared Motor or Internal Drive Drum.                                          |                          |
| Drums          | Ø114mm Crowned Head and Tail Drums                                                                  |                          |
| Options        | High Sides<br>Stands<br>Sensors and Mounting Brackets<br>Lagged                                     |                          |



## Dimensions



## Features & Benefits

- Your safety guaranteed - with complete underguarding, covered drive shaft and smooth edges to minimise pinch points
- A collaborative conveyor you and your team can safely work alongside
- Hassle free maintenance with minimal tools required and all parts available through our standard product range
- Reduced product damage with the belt providing a smooth and controllable method of transporting product
- Avoid belt adjustment tampering which increases wear and tear with hidden internal belt adjustment

## Xpandaroll Skatewheel Conveyor

Achieve more with much less - stretch and bend this height-adjustable xpandaroll conveyor to take your products wherever you need them. Cartons simply follow the twist and turns of the conveyor path without the need for guide rails or engineered curves. Ideal for changeable product runs in dispatch and trailer loading and devanning, this conveyor can easily be pulled out when needed then folded away for storage.

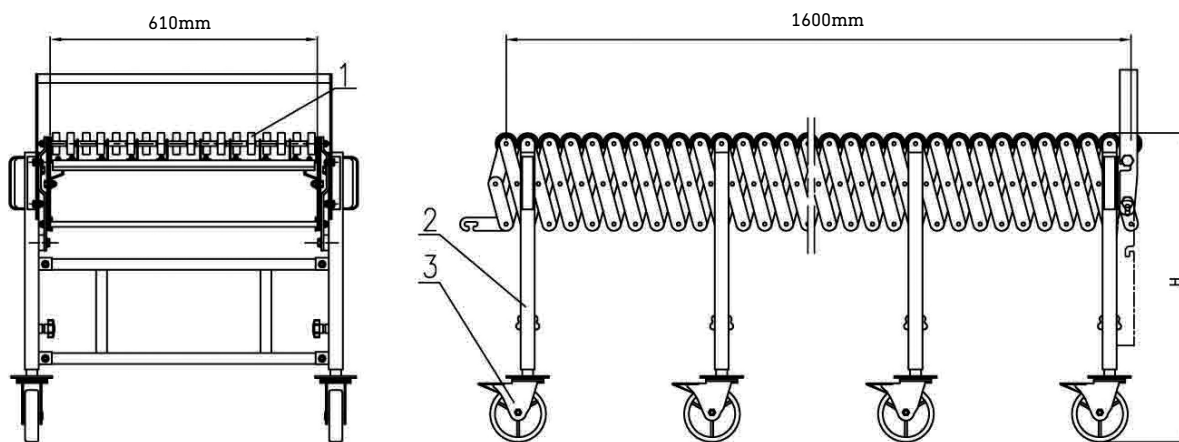
### Specifications

|                          |                                                                                 |
|--------------------------|---------------------------------------------------------------------------------|
| Overall Length Expanded  | 6,000mm or 4,000mm                                                              |
| Compacted Length         | 1,600mm                                                                         |
| Working Width            | 610mm or 460mm                                                                  |
| Height Adjustable Stands | 690mm - 1000mm                                                                  |
| Construction             | High tensile ribbed aluminium side plates with powder coated black steel stands |
| Skate Wheels             | Ø50mm free running zinc plated carbon steel                                     |
| Max Load Rating          | 250kg/m                                                                         |
| Other                    | Fully lockable castor wheels<br>Connecting brackets<br>End stop                 |
| Options                  | Rollers                                                                         |



### Dimensions

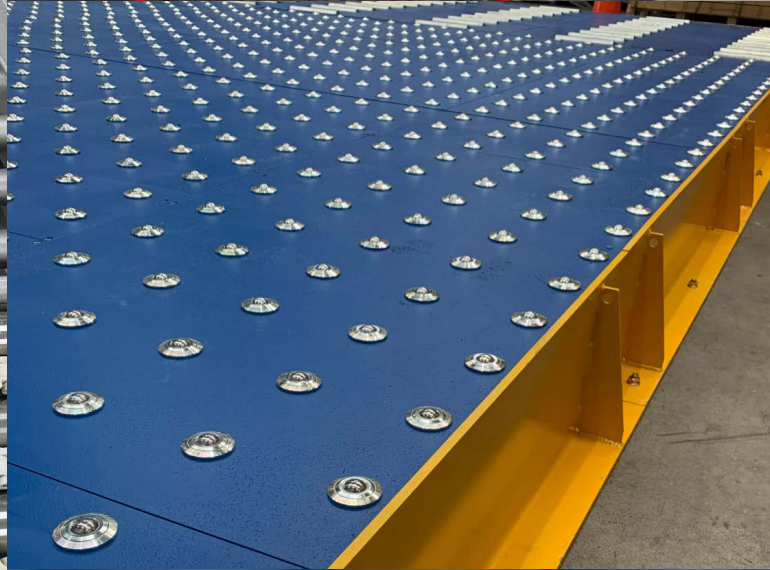
- 1 = Skate wheel, carbon steel, zinc plated  
 2 = Support leg, 32 x 32 x 2 powder coated construction  
 3 = Lockable castor wheel  
 H = Stand height to top of skate wheel



### Features & Benefits

- Robust construction with high tensile ribbed aluminium side plates and channel spanning entire conveyor width for added strength.
- Save valuable floor space - conveyor folds down to 1.6m when not in use
- Build to any required length with easy clip-on connecting brackets
- Product self-tracks with free running skate wheels guiding product
- Adjustable stand height, simply turn the locking knob to raise or lower the conveyor bed height
- Easily move conveyor around with fully lockable castor wheels
- Quick set-up with no installation or assembly required

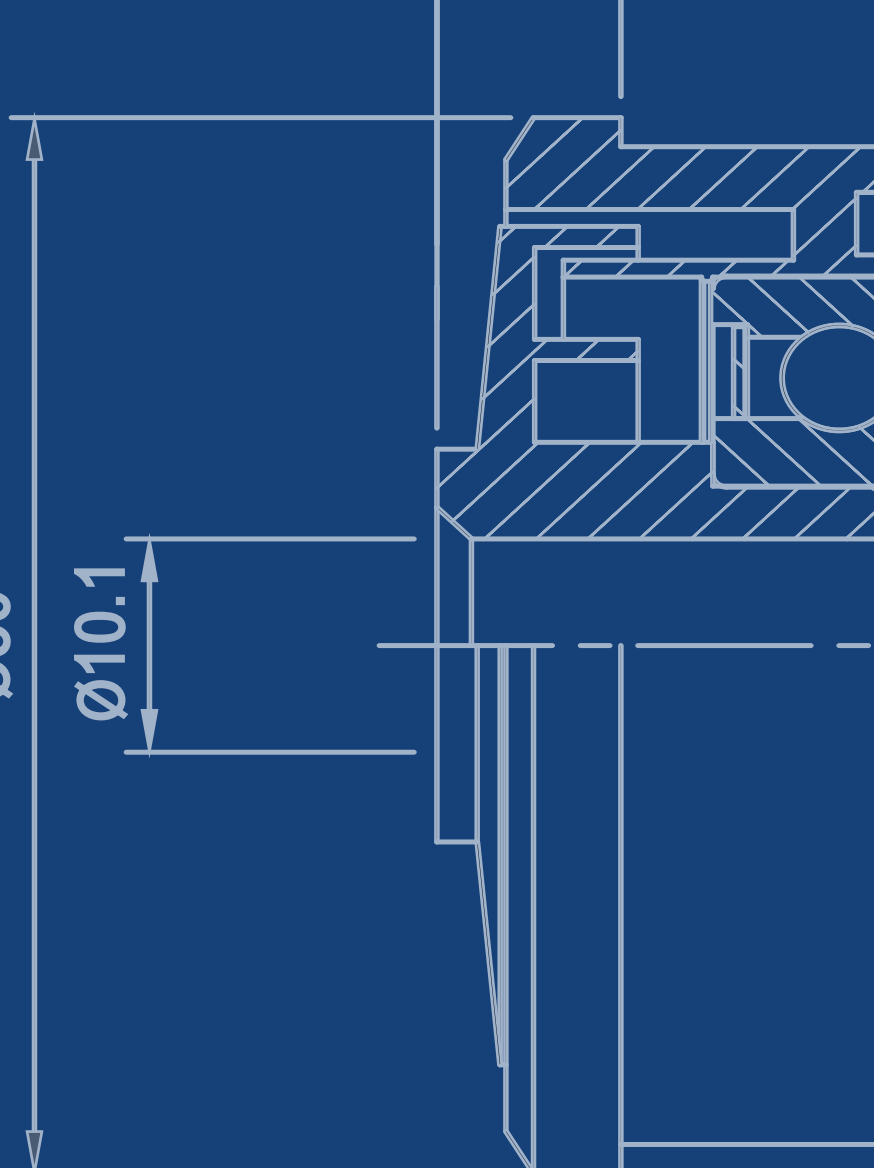




## DISCLAIMER

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Technical drawing of a conveyor pulley cross-section. The drawing shows a pulley with a central shaft and a surrounding pulley body. The pulley body is divided into several sections, with hatching used to indicate different materials or components. The drawing includes dimension lines and labels for the pulley's dimensions.

Ø50

Ø10.1



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