

Bulk Handling Components



Rollers



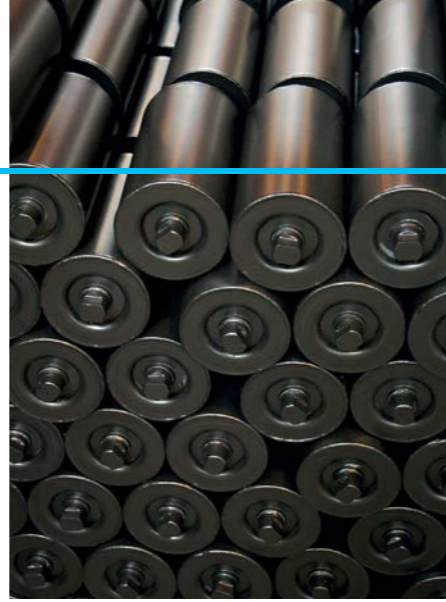
**UNIVERSAL
CONVEYORS**

Quality Engineered
Excellence Since 1911

Standard Rollers

Parker Plants Universal Conveyors is the market leader in the manufacture & supply of conveyor idlers, transomes and drums.

Standard products from our Multitrough & Unitrough range are available from stock & we also offer a competitively priced replacement roller service. A full range of conveyor drums are also manufactured & full technical support is provided.



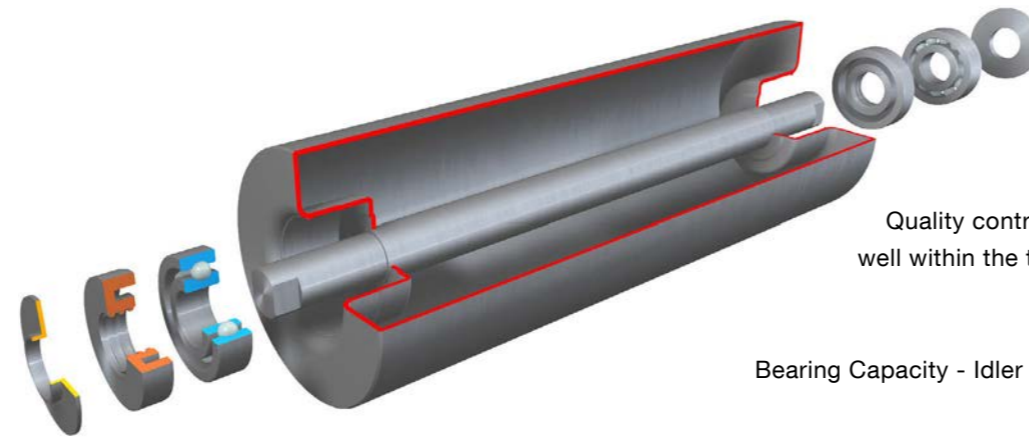
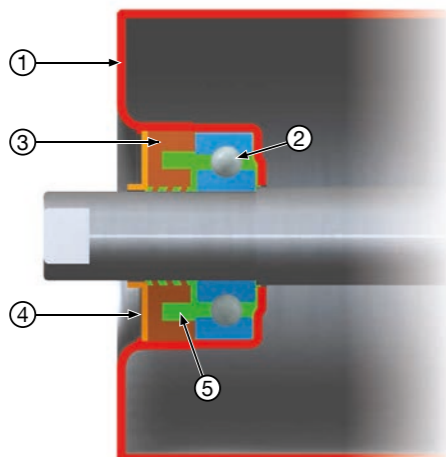
Standard Roller Features

- Heavy duty, rugged construction for all bulk handling applications.
- Precision engineered to strict tolerances and fit
- Low starting and frictional resistance for efficiencies and power savings
- Hermetically sealed
- Maintenance free
- Excellent low eccentricity for smooth running
- Low noise, even at high speeds

Material Specification

Tubes:	To BS 6323 Part 5 ERW1 / DIN2394 Material - St 37 DIN 17100 (63/76/89/102/127 Diameter)
Shafts:	To BS 970 Material - 230M07 Free Cutting
Housings:	Cold pressed and calibrated to ISO M7 tolerances Material – Steel for Deep Drawing DIN 1623/1624
Bearing Assembly:	Rear Lip Seal – Material ISO PA6 (Nylon 6) Bearing – Deep Groove Precision Ball Bearings (6204/6205/6206) All other details as per Edwin Lowe Data Sheet
Finish:	Single coat of black primer paint OR grey primer paint

- 1 Pressed steel bearing housing
- 2 Deep groove ball bearing
- 3 Polyurethane multi-lip shaft seal
- 4 Pressed steel assembly retaining washer
- 5 Grease



Standard Roller Sizes

Roller Type	Roller Diameter (mm)	Tube Thickness (mm)	Shaft Diameter (mm)	Bearing Type	
UCC1	63.5	3	20	6204	
	76				
	89				
	102				
UCC2	63.5	3	25	6205	
	76				
	89				
	102	3.5			
	108				
	127				3.2
	133				
159	4				
UCC3		89	3	30	6206
	102				
	108				
	127	3.2			
	133				
	159		4		

Other diameters and tube thicknesses are available on request

Manufacturing Process

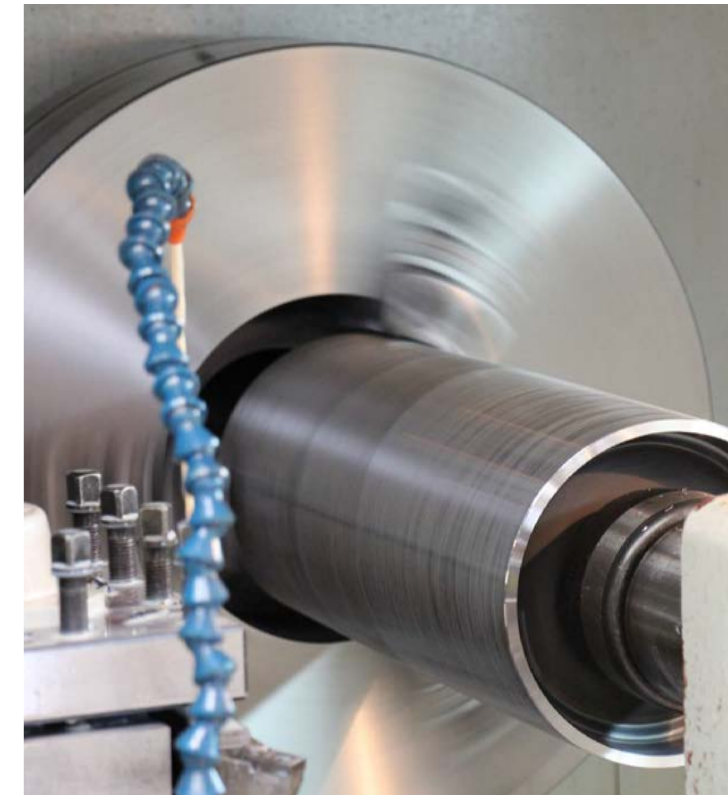
Universal conveyor idlers are manufactured from accurately cut steel tubes with fully welded, pressed steel bearing housings at each end, pre-assembled with high quality, deep groove bearings and FLAME RETARDANT MULTI-LIP SEALS.

Both the bearing and seal housings are packed with lithium based grease to lubricate and protect from the INGRESS of harmful material.

Using the latest developments in modern machinery all Universal rollers are manufactured to the highest standard meeting BS and ISO recommendations.

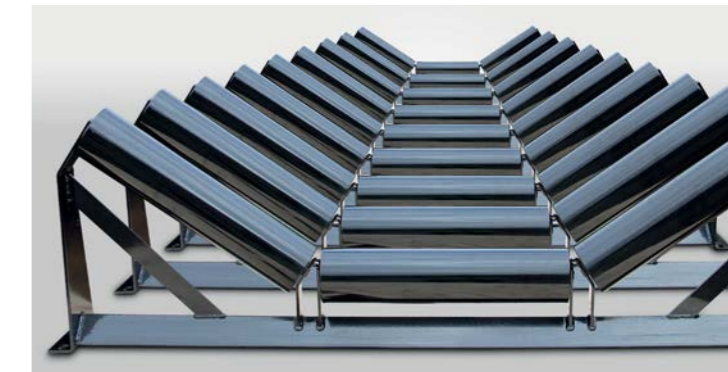
Quality control checks are made to ensure that rollers are well within the tolerances set by both our own standard and BS2890.

Bearing Capacity - Idler bearings are designed to provide a minimum operating life of 30,000 hours.



Troughs

Universal Conveyors range of troughing idlers have end supporting wing rollers with all rollers interchangeable and comply with ISO and BS recommendations.



Disc Returns

For applications where material is liable to build up on the idlers, both troughing and return disc idlers are available.



Impact Rollers

The Universal range of impact rollers are designed to not only protect the rollers from the impact of material falling onto the belt at load points but also to help cushion impacts on the belt itself to extend its operating life.



Parker Plant Products

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