

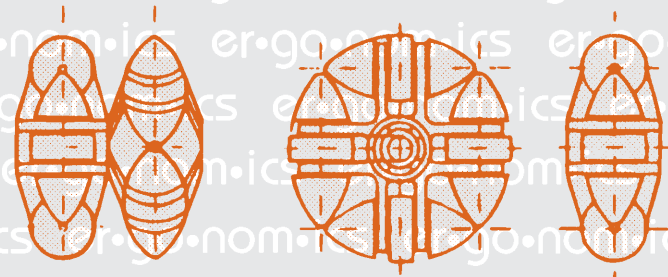
multidirectional rollers

roll-flex

Transfers and turns material smoothly and easily in ANY direction. Needs no maintenance or lubrication. Eliminates problems caused by debris, dirt and water.



rational material handling with roll-flex multidirectional rollers



The **roll-flex** rollers answer many application problems in conveyor systems and as a component in ergonomic transfer or turn tables.

The compact **roll-flex** rollers are suitable for all industries where material or packages need to be smoothly and easily transferred, sorted or turned in any direction.

Satisfied users of the **roll-flex** rollers are found in many fields including but not limited to:

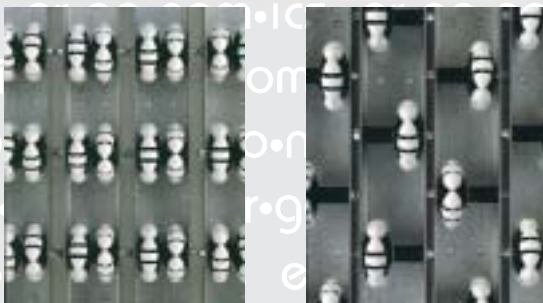
- Furniture & Woodworking Industries
 - Food Industries
 - Packaging Industries
 - Electronics & Metal Industries
 - Glass & Rubber Industries
- and many, many more.



The **roll-flex** rollers are important building blocks when creating your custom transfer system.



The multi-directional **roll-flex** rollers provide ease of access and maneuverability enabling handling and inspection without unnecessary stretching or strain.



The unique **roll-flex** roller design is based on the use of four free turning barrel shaped rollers mounted in a 90° staggered pattern around the perimeter of a main core wheel, thus allowing a multidirectional roller function. The multidirection roller function is optimized in a paired duplex configuration, but the simplex roller is a practical alternative for light weight applications.

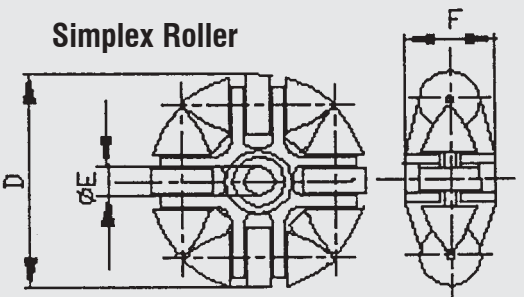
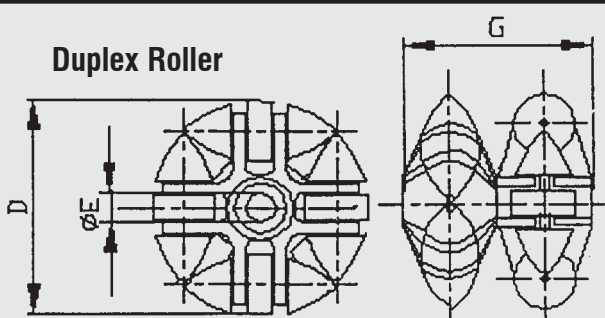
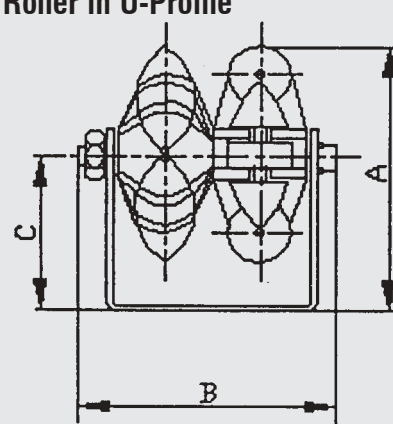
- Each individual roller element, as well as the main core of the 2\", 2.36\" and the 3.15\" diameter rollers are made of corrosion resistant polyacetal.
- The 4.72\" diameter roller has a core made out of zinc, while each roller element is made of either zinc or polyacetal. The core is equipped with ball bearings for high load carrying capability, designed for the handling of very heavy loads such as steel plates, etc.
- The small barrel axles are all made of stainless steel.

The patented **roll-flex** is the roller of choice because:

- the open design allows debris to fall through the roller eliminating lock-up problems,
- they are suitable in wet environments including submersion applications,
- there is more roller contact surface distributing the load therefore reducing indentation,
- the non marring plastic eliminates product surface scratching.



Technical Information

| | | MODEL | | | | | |
|---|---------------------|--------------|---------|--------------|--------------|-------|--------|
| | | 50S | 60S | 80S | 120S | | |
| <p>Simplex Roller</p>  | Diameter (D) | 2" | 2.36" | 3.15" | 4.72" | | |
| | Bore Size (E) | 0.327" | 0.327" | 0.327" | 0.473" | | |
| | Typical Axle Size | 5/16" | 5/16" | 5/16" | 7/16" | | |
| | Width (F) | 0.768" | 0.985" | 1.182" | 2.364" | | |
| | Unit Weight (oz.) | 1 | 1.8 | 4 | 67 | | |
| | Load Capacity (lb.) | 12.5 | 22.5 | 45 | 275 | | |
| <p>Duplex Roller</p>  | Diameter (D) | 2" | 2.36" | 3.15" | 4.72" | | |
| | Bore Size (E) | 0.327" | 0.327" | 0.327" | 0.473" | | |
| | Typical Axle Size | 5/16" | 5/16" | 5/16" | 7/16" | | |
| | Width (G) | 1.536" | 2.009" | 2.364" | 3.743" | | |
| | Unit Weight (oz.) | 2 | 3.6 | 8 | 114 | | |
| | Load Capacity (lb.) | 25 | 45 | 90 | 550 | | |
| <p>Roller in U-Profile</p>  | | 50D-50S | 60D-60S | 80D-80S | 120D-120S | | |
| | Top Height (A) | 2.5" | 3" | 3.75" | 5.25" | | |
| | Overall Width (B) | 2.5" | 2.71" | 3.07" | 4.85" | | |
| | Center Height (C) | 1.52" | 1.81" | 2.17" | 2.875" | | |
| LENGTH | | CONTENT | | MODEL | | | |
| | | | | 50D01 | 60D01 | 80D01 | 120D01 |
| 2' | 1 Duplex Roller | 50D01 | | | | | |
| 2' | 6 Simplex Rollers | 50S06 | | 60S06 | 80S06 | | |
| 2' | 6 Duplex Rollers | 50D06 | | 60D06 | 80D06 | | |
| 2' | 11 Simplex Rollers | 50S11 | | | | | |
| 2' | 11 Duplex Rollers | 50D11 | | | | | |
| 3' | 9 Simplex Rollers | 50S09 | | 60S09 | 80S09 | | |
| 3' | 9 Duplex Rollers | 50D09 | | 60D09 | 80D09 | | |
| 3' | 17 Duplex Rollers | 50D17 | | | | | |
| 5' | 15 Simplex Rollers | 50S15 | | 60S15 | 80S15 | | |
| 5' | 15 Duplex Rollers | 50D15 | | 60D15 | 80D15 | | |
| 10' | 30 Simplex Rollers | 50S30 | | 60S30 | 80S30 | | |
| 10' | 30 Duplex Rollers | 50D30 | | 60D30 | 80D30 | | |

NOTE: Other configurations available