**Idlers**

Universal Idlers ensures achievement of operational success of belt conveyor(s), in a way, the shell is made from M.S. ERW black steel tube as per IS:9235 & IS:1239, pressed steel housing from CRCA sheet, shaft of bright steel bar, sealing system consisting of (backseal, double labyrinth, moulded dust cover, a rain cap), single piece fabricated steel idler frame and rollers fitted with seize resistant ball bearings and conforms to IS:6598.

**Range**

- Troughing (3/5 rolls) for carrying
- Return (1 roll) for return
- Troughing impact (rubber lined)
- Flat Impact
- Return Self-Aligning
- Others, as per specific requirements.

---

**Minimum Information Required While Sending Enquiry/Order**

1. For belt width, say 800mm or 1000mm & so on.
2. Degree of picking idlers i.e. 20° or 35° & so on.
3. Angle size to be used i.e. 50 x 50 x 6 or 65 x 65 x 6 & so on if at all specifically to be stated.
4. Idler pipe size (OD) in mm.
5. Overall O.D. in case rubber lined idlers are reqd. for impact idlers.
6. Housing material i.e. CRCA steel or C.I. & so on.
7. Bearing size, type & make i.e. 6205 or 420205 & so on.
8. Only in Nos.
9. Your detailed drawing, if possible.

---

**Belt Roller Mounting Dimensions**

<table>
<thead>
<tr>
<th>BELT WIDTH</th>
<th>ROLLER LENGTH</th>
<th>MOUNTING</th>
<th>ROLLER DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>M</td>
<td>W</td>
<td>D</td>
</tr>
<tr>
<td>400</td>
<td>160</td>
<td>500</td>
<td>690</td>
</tr>
<tr>
<td>450</td>
<td>190</td>
<td>550</td>
<td>740</td>
</tr>
<tr>
<td>500</td>
<td>200</td>
<td>600</td>
<td>790</td>
</tr>
<tr>
<td>600</td>
<td>235</td>
<td>700</td>
<td>890</td>
</tr>
<tr>
<td>650</td>
<td>250</td>
<td>750</td>
<td>940</td>
</tr>
<tr>
<td>750</td>
<td>200</td>
<td>850</td>
<td>1040</td>
</tr>
<tr>
<td>800</td>
<td>315</td>
<td>950</td>
<td>1090</td>
</tr>
<tr>
<td>900</td>
<td>350</td>
<td>1050</td>
<td>1190</td>
</tr>
<tr>
<td>1000</td>
<td>380</td>
<td>1150</td>
<td>1290</td>
</tr>
<tr>
<td>1200</td>
<td>465</td>
<td>1400</td>
<td>1490</td>
</tr>
<tr>
<td>1400</td>
<td>530</td>
<td>1600</td>
<td>1690</td>
</tr>
<tr>
<td>1600</td>
<td>600</td>
<td>1800</td>
<td>1900</td>
</tr>
<tr>
<td>1800</td>
<td>670</td>
<td>2000</td>
<td>2100</td>
</tr>
<tr>
<td>2000</td>
<td>750</td>
<td>2200</td>
<td>2300</td>
</tr>
</tbody>
</table>

All dimensions in mm.

---

**P/N: DESCRIPTION**

1. ROLLER ARM
2. BEARING HOUSING
3. ROLLER
4. BEARING
5. SHAFT
6. ROLLER SEAL
7. COLLAR
8. SEALS

**Material**

- M: STEEL
- W: WOOD
- E: EARLY
- N: NYLON

---

Return Self Align