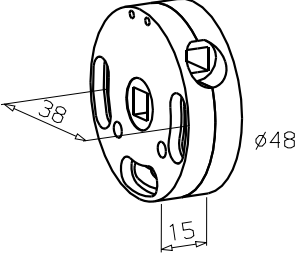
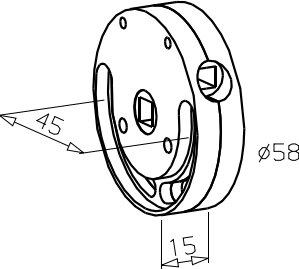
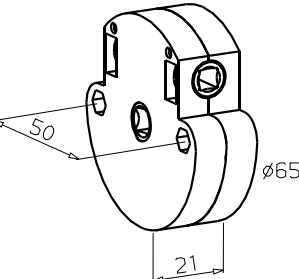
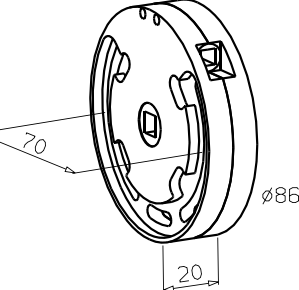


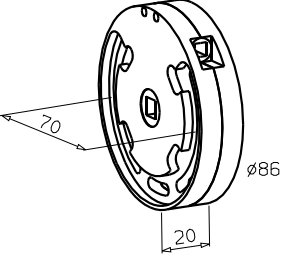
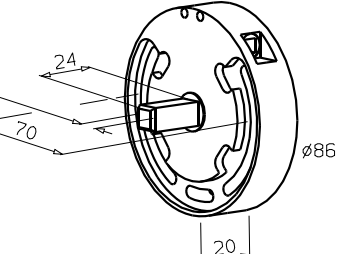
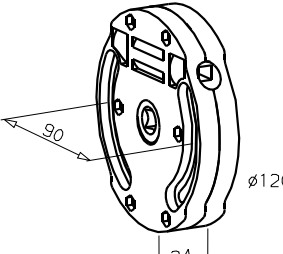



# Manual Accessories Shade System Gears

Item	Reference	Description
<p><b>Series 1415 Mini</b></p> 	<p>2002436 2002444</p>	<p>Gear Ratio 1.5/1, input square 6mm, output square 7mm, Max. load 9 lbs. Gear Ratio 2.8/1, input square 6mm, output square 7mm, Max. load 15 lbs.</p> <ul style="list-style-type: none"> <li>- Aluminum zamak outside casing</li> <li>- Hardened steel inside worm gear</li> <li>- Above gears have no limit stops.</li> <li>- All dimensions are in millimeters.</li> <li>- Above load data is based on 40mm roller tube.</li> </ul>
<p><b>Series 1415</b></p> 	<p>2002453 2002459 2002466</p>	<p>Gear Ratio 1.7/1, input square 6mm, output square 7mm, Max. load 10 lbs. Gear Ratio 2.8/1, input square 6mm, output square 7mm, Max. load 15 lbs. Gear Ratio 4/1, input square 6mm, output square 7mm, Max. load 20 lbs.</p> <ul style="list-style-type: none"> <li>- Aluminum zamak outside casing</li> <li>- Hardened steel inside worm gear</li> <li>- Above gears have no limit stops.</li> <li>- All dimensions are in millimeters.</li> <li>- Above load data is based on 40mm roller tube.</li> </ul>
<p><b>Series 1421</b></p> 	<p>2002421 2002422 2002427 2002428</p>	<p>Gear Ratio 3/1, input square 6mm, output square 7mm, Max. load 15 lbs. Gear Ratio 5/1, input square 6mm, output square 7mm, Max. load 21 lbs. Gear Ratio 3/1, input square 6mm, output square 7mm, Max. load 15 lbs. no stops Gear Ratio 5/1, input square 6mm, output square 7mm, Max. load 21 lbs. no stops</p> <ul style="list-style-type: none"> <li>- Aluminum zamak outside casing</li> <li>- Hardened steel inside worm gear</li> <li>- Capacity 18 turns with limit stops.</li> <li>- All dimensions are in millimeters.</li> <li>- Above load data is based on 40mm roller tube.</li> </ul>
<p><b>Series 1420</b></p> 	<p>2002010 2002013 2002016 2002037</p>	<p>Gear Ratio 5/1, input square 6mm, output square 7mm, Max. load 44 lbs. Gear Ratio 5/1, input hex 6mm, output square 7mm, Max. load 44 lbs. Gear Ratio 5/1, input hex 7mm, output square 7mm, Max. load 44 lbs. Gear Ratio 7/1, input hex 6mm, output square 7mm, Max. load 55 lbs. no stops</p> <ul style="list-style-type: none"> <li>- Aluminum zamak outside casing</li> <li>- Hardened steel inside worm gear</li> <li>- Capacity 17 turns with limit stops.</li> <li>- All dimensions are in millimeters.</li> <li>- Above load data is based on 40mm roller tube.</li> </ul>



# Manual Accessories Shutter System Gears

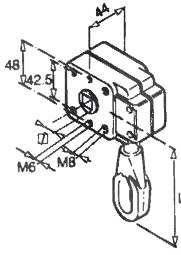
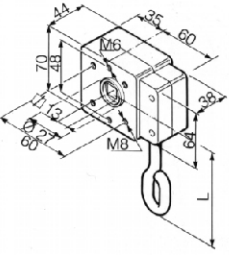
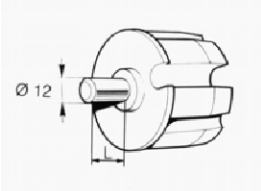
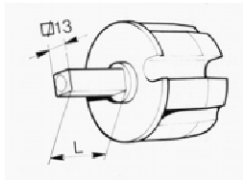
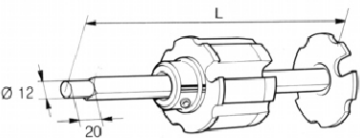
Item	Reference	Description
<p><b>Series 1420</b></p> 	<p><b>2002018</b> <b>2002035</b></p>	<p>Gear Ratio 5/1, input hex 7mm, output square 10mm, Max. load 33 lbs. Gear Ratio 7/1, input hex 7mm, output square 10mm, Max. load 44 lbs.</p> <ul style="list-style-type: none"> <li>- Aluminum zamak outside casing</li> <li>- Hardened steel inside worm gear</li> <li>- Capacity 17 turns with limit stops.</li> <li>- All dimensions are in millimeters.</li> <li>- Above load data is based on 60mm roller tube.</li> </ul>
<p><b>Series 1420M</b></p> 	<p><b>2002030</b> <b>2002041</b></p>	<p>Gear Ratio 5/1, input hex 7mm, male output square 10mm, Max. load 33 lbs. Gear Ratio 7/1, input hex 7mm, male output square 10mm, Max. load 44 lbs.</p> <ul style="list-style-type: none"> <li>- Aluminum zamak outside casing</li> <li>- Hardened steel inside worm gear</li> <li>- Capacity 17 turns with limit stops.</li> <li>- All dimensions are in millimeters.</li> <li>- Above load data is based on 60mm roller tube.</li> </ul>
<p><b>Series 1424</b></p> 	<p><b>2002139</b> <b>2002142</b> <b>2002140</b> <b>2002144</b> <b>2004051</b> <b>2002146</b></p>	<p>Gear Ratio 5/1, input hex 7mm, output square 10mm, Max. load 28 lbs. Gear Ratio 5/1, input hex 7mm, output square 16mm, Max. load 28 lbs. Gear Ratio 8/1, input hex 7mm, output square 10mm, Max. load 46 lbs. Gear Ratio 8/1, input hex 7mm, output square 16mm, Max. load 46 lbs. Gear Ratio 11/1, input hex 7mm, output square 10mm, Max. load 56 lbs. Gear Ratio 11/1, input hex 7mm, output square 16mm, Max. load 56 lbs.</p> <ul style="list-style-type: none"> <li>- Nylon composite outside casing</li> <li>- Hardened steel inside worm gear</li> <li>- Capacity 16 turns with limit stops.</li> <li>- All dimensions are in millimeters.</li> <li>- Above load data is based on 70mm roller tube.</li> </ul>
	<p><b>2002391</b> <b>2002392</b></p>	<p>Sleeve Connector for 1424 Gear Series</p> <ul style="list-style-type: none"> <li>- Square 16mm x 16mm</li> <li>- Square 16mm x 13mm</li> </ul>



# Manual Accessories

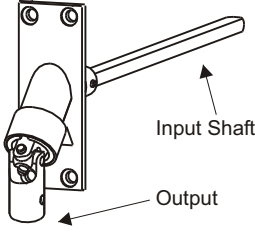
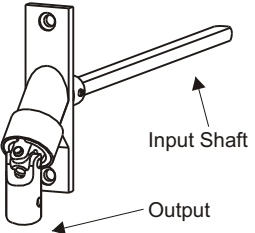
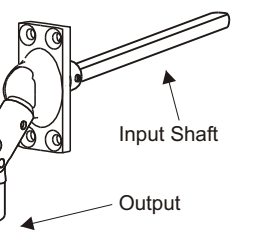
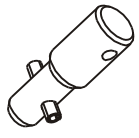
## Awning System

### Gears, Idle and Gear Inserts

Item	Reference	Description
	<b>2001721</b>	Gear Ratio 7/1, output 13mm - Aluminum zamak outside casing - Hardened steel inside worm gear - Nylon eye or zinc plated steel eye  - All dimensions are in millimeters.
	<b>2001710</b>	Gear Ratio 12/1, output 13mm - Aluminum zamak outside casing - Hardened steel inside worm gear - Nylon eye or zinc plated steel eye  - All dimensions are in millimeters.
	<b>2003506</b> <b>2003507</b> <b>2003508</b>	Idle Insert 60mm L=20mm 70mm L=20mm 78mm L=20mm  -Nylon Composite -12mm Zinc Plated Round Steel Pin
	<b>2003509</b> <b>2003512</b> <b>2003516</b>	Gear Insert 60mm L=37mm 70mm L=37mm 78mm L=37mm  - Nylon Composite -13mm Zinc Plated Square Steel Pin
	<b>2003385</b>	Adjustable Idle Insert 85mm L=200mm  -Nylon Composite -12mm Zinc Plated Round Steel Pin



# Manual Accessories Shutter System Universals

Item	Reference	Description
<p><b>4 Hole 90 Degree</b></p> 	<p><b>2004125</b> <b>2004124</b></p>	<p>Universal 4 hole - 8mm square shaft Universal 4 hole - 7mm hex shaft</p> <ul style="list-style-type: none"> <li>- Stainless steel outside casing</li> <li>- Zinc plated, hardened steel shaft</li> <li>- Shaft length 500mm</li> <li>- Output area 14mm</li> <li>- Adaptable to fixed handle or removable pivot</li> <li>- For interior use only</li> </ul>
<p><b>2 Hole 90 Degree</b></p> 	<p><b>2004121</b> <b>2004120</b></p>	<p>Universal 2 hole - 8mm square shaft Universal 2 hole - 7mm hex shaft</p> <ul style="list-style-type: none"> <li>- Stainless steel outside casing</li> <li>- Zinc plated, hardened steel shaft</li> <li>- Shaft length 500mm</li> <li>- Output area 14mm</li> <li>- Adaptable to fixed handle or removable pivot</li> <li>- For interior use only</li> </ul>
<p><b>4 Hole 70 Degree</b></p> 	<p><b>2004117</b> <b>2004116</b></p>	<p>Universal 4 hole - 8mm square shaft Universal 4 hole - 7mm hex shaft</p> <ul style="list-style-type: none"> <li>- Stainless steel outside casing</li> <li>- Zinc plated, hardened steel shaft</li> <li>- Shaft length 500mm</li> <li>- Output area 14mm</li> <li>- Adaptable to fixed handle or removable pivot</li> <li>- For interior use only</li> </ul>
	<p><b>2001775</b></p>	<p><b>Universal Pivot</b></p> <ul style="list-style-type: none"> <li>- Stainless Steel</li> <li>- 13.9mm Universal Input</li> </ul>