The chain coupling consists of a shaft coupling assembled from 2 rows of roller chain and 2 sprockets which engage them. By freely inserting or removing a joint pin, the chain ends can be simply connected or dismantled.

The original KANA structure is such that the case has been split into two perpendicularly to the shaft, and the cases KC3012 to KC8022 have a V-shaped groove on both sides with an O-ring inserted to prevent oil leaks.

<table>
<thead>
<tr>
<th>Standard Chain Coupling No.</th>
<th>Chain in Use</th>
<th>Shaft Diameter (mm)</th>
<th>Body Dimensions (mm)</th>
<th>Approx. Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>E</td>
<td>D</td>
<td>D'</td>
<td>S</td>
</tr>
<tr>
<td>3012H</td>
<td>9.525</td>
<td>23.9</td>
<td>14 (12)</td>
<td>45</td>
</tr>
<tr>
<td>4012H</td>
<td>12.70</td>
<td>32.0</td>
<td>14 (12)</td>
<td>61</td>
</tr>
<tr>
<td>4014H</td>
<td>12.70</td>
<td>32.0</td>
<td>14 (12)</td>
<td>69</td>
</tr>
<tr>
<td>4016H</td>
<td>15.875</td>
<td>39.9</td>
<td>16 (16)</td>
<td>86</td>
</tr>
<tr>
<td>5014H</td>
<td>15.875</td>
<td>39.9</td>
<td>16 (16)</td>
<td>106</td>
</tr>
<tr>
<td>5016H</td>
<td>19.05</td>
<td>52.5</td>
<td>19 (16)</td>
<td>128</td>
</tr>
<tr>
<td>6018H</td>
<td>15.875</td>
<td>39.9</td>
<td>22 (20)</td>
<td>140</td>
</tr>
<tr>
<td>6019H</td>
<td>19.05</td>
<td>52.5</td>
<td>22 (20)</td>
<td>152</td>
</tr>
<tr>
<td>8018H</td>
<td>25.40</td>
<td>66.2</td>
<td>22 (20)</td>
<td>170</td>
</tr>
<tr>
<td>8020H</td>
<td>25.40</td>
<td>66.2</td>
<td>22 (20)</td>
<td>186</td>
</tr>
<tr>
<td>8022H</td>
<td>31.75</td>
<td>79.0</td>
<td>22 (20)</td>
<td>202</td>
</tr>
<tr>
<td>10020H</td>
<td>38.10</td>
<td>101.2</td>
<td>37 (35)</td>
<td>255</td>
</tr>
<tr>
<td>12018H</td>
<td>38.10</td>
<td>101.2</td>
<td>37 (35)</td>
<td>303</td>
</tr>
</tbody>
</table>

* The large coupling cases KC10020 and beyond use: a method where one side is fixed and the other side is a Z type seal.
* Since we also manufacture sprockets other than those in the catalog, and machine shaft holes/keyway/taps, etc., depending on your request, please contact our sales office for details.

You can see the product on video.


- **Order No. Example**

**3012H Body**

(2 MB sprockets + 1 chain)

**3012C Case**

1 Set

- The body (H) consists of 2 sprockets (MB) and 1 chain (L).
- The body (H) and case (C) make up 1 set.

For the lubricant agent, please use the dedicated KANA standard coupling grease.

See P345

For the Semi-F Series & FITLINK

Roller Chains

Idlers & Tensioners

Sprockets

Shields

Chain Accessories

Conveyor Chains

Timing Belts/Pulleys/Flanges

Shaft Collars

Pinions/Racks/Miter Gears

Imperfect Products

- **Order No. Example**

**MB 4012**

Type Model No.

Chain Coupling No.

* An MB sprocket is on one side of the body (only 1 sprocket).
Q. Which model do I need if I want to order chain couplings with cases?
A. Models differ by shaft hole/key groove machining, NOT MACHINED <-> MACHINED

For the body, 2 x MB sprockets (with no inner diameter machining) and a chain are packed together as a set.
For the <Not Machined> case, you do not need to order chains individually.

For chain couplings, we recommend that you include a case, and apply grease.
(1) When using at high rotational speed.
(2) When using it in a dusty/dirty environment, for example, or in a humid atmosphere.
(3) Scattering of the lubricant agent is prevented and also any intrusion of dust/dirt.
(4) The outer appearance looks smart while reducing danger.
Lubrication significantly lengthens the life of the coupling.

For the lubricant agent, please use the dedicated KANA standard coupling grease.

<table>
<thead>
<tr>
<th>Grease</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 Multi-EP</td>
<td>0.05</td>
</tr>
<tr>
<td>MBSG04 Internal Capacity</td>
<td>400g</td>
</tr>
<tr>
<td>MBSG05 Internal Capacity</td>
<td>500g</td>
</tr>
<tr>
<td>MBSG25 Internal Capacity</td>
<td>2.5kg/16kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chain Coupling No.</th>
<th>3012</th>
<th>4012</th>
<th>4014</th>
<th>4016</th>
<th>5014</th>
<th>5016</th>
<th>5018</th>
<th>6018</th>
<th>6020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grease Weight kg</td>
<td>0.05</td>
<td>0.09</td>
<td>0.10</td>
<td>0.12</td>
<td>0.15</td>
<td>0.18</td>
<td>0.25</td>
<td>0.40</td>
<td>0.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chain Coupling No.</th>
<th>6022</th>
<th>8018</th>
<th>8020</th>
<th>8022</th>
<th>10020</th>
<th>12018</th>
<th>12022</th>
<th>16018</th>
<th>16022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grease Weight kg</td>
<td>0.50</td>
<td>0.80</td>
<td>1.00</td>
<td>1.00</td>
<td>1.70</td>
<td>3.30</td>
<td>4.30</td>
<td>8.30</td>
<td>10.00</td>
</tr>
</tbody>
</table>