Material product flyer
Thermal spray wire packaging options and descriptions

Oerlikon Metco supplies thermal spray wires for the electric arc wire and combustion wire processes in a number of different package types designed to fit various equipment and meet the production needs of our customers. In addition we supply wire spool adapters for our electric arc wire equipment, and a wire holder for our combustion wire equipment.

The Oerlikon Metco product portfolio has a wide array of both material and equipment products for the electric arc wire and combustion wire processes. We offer a complete wire portfolio for both processes that include pure metal and alloyed wires, as well as cored wires for the electric arc wire process. Some of these wires are offered in several different packaging options; for example, different spool types or production pack drums.

Adapters are available for specific Oerlikon Metco electric arc spray equipment to convert from the use of one type spool to another. Please see the section on Spool Adapters.

For the combustion wire process, Oerlikon Metco offers our 2W Wire Holder, designed to hold the wire coils commonly used for this process and straighten them during use.

1 Availability
Please note that many of these options are offered on a regional basis only and may not be available for every wire product. For more information on the availability of packaging options for arc wires, please refer to the Oerlikon Metco Thermal Spray Materials Guide or contact your local sales representative.

<table>
<thead>
<tr>
<th>Spool type</th>
<th>Spray process</th>
<th>Availability</th>
<th>Description abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Dorn Spool</td>
<td>Electric Arc Wire</td>
<td>Global</td>
<td>PR</td>
</tr>
<tr>
<td>Hasp Spool</td>
<td>Electric Arc Wire</td>
<td>Europe</td>
<td>HS</td>
</tr>
<tr>
<td>Wire Basket</td>
<td>Electric Arc Wire</td>
<td>Europe</td>
<td>WB</td>
</tr>
<tr>
<td>Coil</td>
<td>Combustion Wire</td>
<td>Global</td>
<td>C</td>
</tr>
<tr>
<td>Drum (Production Packs)</td>
<td>Electric Arc Wire and Combustion Wire</td>
<td>Global</td>
<td>D</td>
</tr>
</tbody>
</table>

a Spool types limited to specific regions can be made available in other regions on a special order basis. Excess freight and duty may apply.
b Appears in the order description for the product.
2 Spool descriptions

2.1 Dorn spools
Also known as plastic reels or plastic spools, dorn spools are available for most electric arc wires in the Oerlikon Metco product portfolio on a global basis. Dorn spools fit Oerlikon Metco SmartArc™ and older Oerlikon Metco electric arc equipment without the need for adapters. Other Oerlikon Metco arc equipment (e.g. Systems formerly under the “OSU” brand) require adapters.

D1: 300.0 mm 11.8 in
D2: 51.5 mm 2.0 in
D3: 212.0 mm 8.3 in
L1: 103.0 mm 4.1 in
L2: 90.6 mm 3.6 in
Spool weight: 0.70 kg 1.5 lb
Capacity: 4.5 – 15 kg 10 – 33 lb
DIN: 8559

2.2 Hasp spools
Available for selected wire products in Europe. Hasp spools cannot be used with the Oerlikon Metco SmartArc or older Oerlikon Metco electric arc equipment. Standard for other Oerlikon Metco arc equipment (e.g. Systems formerly under the “OSU” brand). Dimensions shown are for both standard and large capacity spool sizes.

D1: 390.0 / 460.0 mm 15.4 / 18.0 in
D2: 305.0 / 305.0 mm 12.0 / 12.0 in
D3: 310.0 / 319.0 mm 12.2 / 12.6 in
L1: 89.0 / 105.0 mm 3.5 / 4.1 in
L2: 79.0 / 91.0 mm 3.1 / 3.6 in
Spool weight: 0.55 / 1.85 kg 1.2 / 4.1 lb
Capacity: ~ 8 / 17 kg 17.6 / 37.5 lb
DIN: 8559
2.3 Wire basket spools
Available for selected wire products in Europe. Wire baskets can be used with most Oerlikon Metco electric arc equipment using an adapter.

D1: 300.0 mm 11.8 in
D2: 180.0 mm 7.1 in
D3: 190.0 mm 7.5 in
L1: 97.0 mm 3.8 in
L2: 88.0 mm 3.5 in
Spool weight: 0.36 kg 0.8 lb
Capacity: ~ 7 kg 13.2 lb

2.4 Coils
Globally available for a wide array of wire products for the combustion wire process. The Oerlikon Metco 2W Wire Holder is recommended for use with coils.

D2*: 350.0 – 450.0 mm 13.8 – 17.7 in
Capacity: 10 – 35 kg 22 – 77 lb
* Nominal diameters. Actual coil inside diameter may be somewhat larger or smaller. The Oerlikon Metco 2W adjusts to accommodate varying diameters.

2.5 Drums
Globally available for high volume corrosion wires. Compatible with all Oerlikon Metco electric arc and combustion wire equipment, as wire is fed directly out of the drum.

<table>
<thead>
<tr>
<th>Origin: U.S.A.</th>
<th>Origin: Europe</th>
</tr>
</thead>
<tbody>
<tr>
<td>H: 787.4 mm 31 in</td>
<td>814 mm 32.0 in</td>
</tr>
<tr>
<td>D: 520.7 mm 20.5 in</td>
<td>517 mm 20.3 in</td>
</tr>
<tr>
<td>Capacity: 227 kg 500 lb</td>
<td>250 kg 551 lb</td>
</tr>
</tbody>
</table>
## Adapters

<table>
<thead>
<tr>
<th>To use</th>
<th>On equipment designed for</th>
<th>Adapter order number</th>
<th>Quantity per kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dorn Spools</td>
<td>Hasp Spools</td>
<td>1066781</td>
<td>2</td>
</tr>
<tr>
<td>Wire Baskets</td>
<td>Dorn Spools</td>
<td>1052105</td>
<td>2</td>
</tr>
<tr>
<td>Wire Baskets</td>
<td>Hasp Spools</td>
<td>1066781 + 1052105</td>
<td>2</td>
</tr>
</tbody>
</table>

![Adapter 1066781](image1.png) ![Adapter 1052105](image2.png)

Information is subject to change without prior notice.