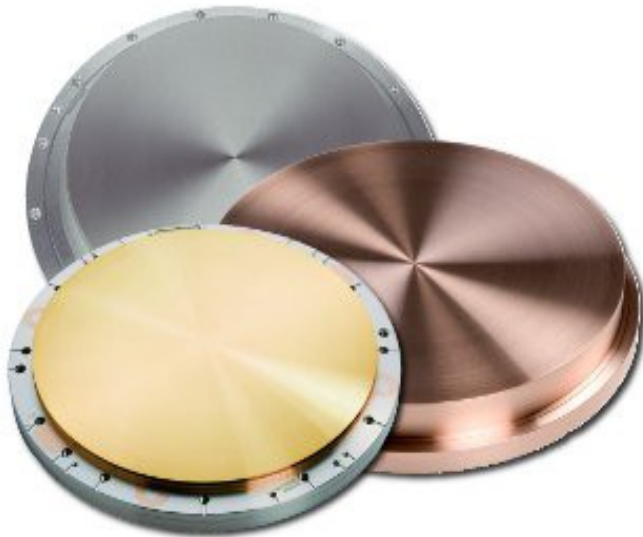


# Sputtering Targets



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| Product # | Material                          | Purity         | CAS-No.     | Ø 25mm | Ø 50 mm | Ø 75 mm | Ø 100 mm | Ø 125 mm | Ø 150 mm |
|-----------|-----------------------------------|----------------|-------------|--------|---------|---------|----------|----------|----------|
| 904278    | Aluminium Sputtering Target 3 mm  | 99.9%          | [7429-90-5] | X      | X       | X       | X        | X        | X        |
| 904281    | Aluminium Sputtering Target 6 mm  | 99.9%          | [7429-90-5] | X      | X       | X       | X        | X        | X        |
| 904279    | Aluminium Sputtering Target 3 mm  | 99.99%         | [7429-90-5] | X      | X       | X       | X        | X        | X        |
| 904282    | Aluminium Sputtering Target 6 mm  | 99.99%         | [7429-90-5] | X      | X       | X       | X        | X        | X        |
| 904280    | Aluminium Sputtering Target 3 mm  | 99.999%        | [7429-90-5] | X      | X       | X       | X        | X        | X        |
| 902129    | Aluminium Sputtering Target 6 mm  | 99.999%        | [7429-90-5] | X      | X       | X       | X        | X        | X        |
| 904283    | Antimony Sputtering Target 3 mm   | 99.9%          | [7440-36-0] | X      | X       | X       |          |          |          |
| 904284    | Antimony Sputtering Target 6 mm   | 99.9%          | [7440-36-0] | X      | X       | X       |          |          |          |
| 904285    | Bismuth Sputtering Target 3 mm    | 99.9%          | [7440-69-9] | X      | X       | X       | X        |          |          |
| 904770    | Bismuth Sputtering Target 6 mm    | 99.9%          | [7440-69-9] | X      | X       | X       | X        |          |          |
| 904286    | Bismuth Sputtering Target 3 mm    | 99.99%         | [7440-69-9] | X      | X       | X       | X        |          |          |
| 904288    | Bismuth Sputtering Target 6 mm    | 99.99%         | [7440-69-9] | X      | X       | X       | X        |          |          |
| 904289    | Cadmium Sputtering Target 3 mm    | 99.9%          | [7440-43-9] | X      | X       | X       |          |          |          |
| 904291    | Cadmium Sputtering Target 6 mm    | 99.9%          | [7440-43-9] | X      | X       | X       |          |          |          |
| 904290    | Cadmium Sputtering Target 3 mm    | 99.99%         | [7440-43-9] | X      | X       | X       |          |          |          |
| 904292    | Cadmium Sputtering Target 6 mm    | 99.99%         | [7440-43-9] | X      | X       | X       |          |          |          |
| 905099    | Cerium Sputtering Target 3 mm     | 99.9%<br>(REO) | [7440-45-1] | X      | X       | X       | X        |          |          |
| 905106    | Cerium Sputtering Target 6 mm     | 99.9%<br>(REO) | [7440-45-1] | X      | X       | X       |          |          |          |
| 904858    | Chromium Sputtering Target 0.5 mm | 99.95%         | [7440-47-3] | X      | X       | X       | X        |          |          |
| 905084    | Chromium Sputtering Target 1 mm   | 99.95%         | [7440-47-3] | X      | X       | X       | X        |          |          |

| Product # | Material                           | Purity  | CAS-No.     | Ø 25mm | Ø 50 mm | Ø 75 mm | Ø 100 mm | Ø 125 mm | Ø 150 mm |
|-----------|------------------------------------|---------|-------------|--------|---------|---------|----------|----------|----------|
| 905085    | Chromium Sputtering Target 1.5 mm  | 99.95%  | [7440-47-3] | X      | X       | X       | X        |          |          |
| 904294    | Chromium Sputtering Target 3 mm    | 99.95%  | [7440-47-3] | X      | X       | X       | X        | X        | X        |
| 903321    | Chromium Sputtering Target 6 mm    | 99.95%  | [7440-47-3] | X      | X       | X       | X        | X        | X        |
| 904860    | Chromium Sputtering Target 3 mm    | 99.99%  | [7440-47-3] | X      | X       | X       | X        | X        | X        |
| 904861    | Chromium Sputtering Target 6 mm    | 99.99%  | [7440-47-3] | X      | X       | X       | X        | X        | X        |
| 904295    | Cobalt Sputtering Target 3 mm      | 99.9%   | [7440-48-4] | X      | X       | X       | X        | X        | X        |
| 904297    | Cobalt Sputtering Target 6 mm      | 99.9%   | [7440-48-4] | X      | X       | X       | X        | X        | X        |
| 904296    | Cobalt Sputtering Target 3 mm      | 99.99%  | [7440-48-4] | X      | X       | X       | X        | X        | X        |
| 903322    | Cobalt Sputtering Target 6 mm      | 99.99%  | [7440-48-4] | X      | X       | X       | X        | X        | X        |
| 904298    | Copper Sputtering Target 3 mm      | 99.9%   | [7440-50-8] | X      | X       | X       | X        | X        | X        |
| 904301    | Copper Sputtering Target 6 mm      | 99.9%   | [7440-50-8] | X      | X       | X       | X        | X        | X        |
| 904299    | Copper Sputtering Target 3 mm      | 99.99%  | [7440-50-8] | X      | X       | X       | X        | X        | X        |
| 904302    | Copper Sputtering Target 6 mm      | 99.99%  | [7440-50-8] | X      | X       | X       | X        | X        | X        |
| 904300    | Copper Sputtering Target 3 mm      | 99.999% | [7440-50-8] | X      | X       | X       | X        | X        | X        |
| 904303    | Copper Sputtering Target 6 mm      | 99.999% | [7440-50-8] | X      | X       | X       | X        | X        | X        |
| 905107    | Gallium Sputtering Target 3 mm     | 99.99%  | [7440-55-3] | X      | X       | X       |          |          |          |
| 905108    | Gallium Sputtering Target 6 mm     | 99.99%  | [7440-55-3] | X      | X       | X       |          |          |          |
| 905109    | Germanium Sputtering Target 3.2 mm | 99.999% | [7440-56-4] | X      | X       | X       | X        |          |          |
| 905109    | Germanium Sputtering Target 6.3 mm | 99.999% | [7440-56-4] | X      | X       | X       | X        |          |          |
| 905086    | Gold Sputtering Target 0.1 mm      | 99.99%  | [7440-57-5] | X      | X       | X       | X        |          |          |
| 904360    | Gold Sputtering Target 0.2 mm      | 99.99%  | [7440-57-5] | X      | X       | X       | X        |          |          |

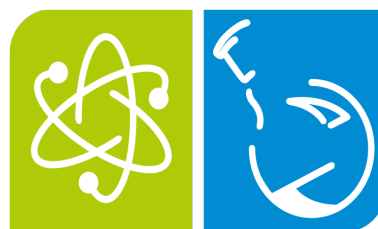
| Product # | Material                                    | Purity  | CAS-No.     | Ø 25mm | Ø 50 mm | Ø 75 mm | Ø 100 mm | Ø 125 mm | Ø 150 mm |
|-----------|---|---------|-------------|--------|---------|---------|----------|----------|----------|
| 905087    | Gold Sputtering Target 0.3 mm               | 99.99%  | [7440-57-5] | X      | X       | X       | X        |          |          |
| 902998    | Gold Sputtering Target 0.5 mm               | 99.99%  | [7440-57-5] | X      | X       | X       | X        |          |          |
| 902899    | Gold Sputtering Target 1 mm                 | 99.99%  | [7440-57-5] | X      | X       | X       | X        |          |          |
| 903418    | Gold Sputtering Target 2 mm                 | 99.99%  | [7440-57-5] | X      | X       | X       | X        |          |          |
| 904361    | Gold Sputtering Target 3 mm                 | 99.99%  | [7440-57-5] | X      | X       | X       | X        |          |          |
| 905088    | Gold Sputtering Target 6 mm                 | 99.99%  | [7440-57-5] | X      | X       | X       | X        |          |          |
| 904304    | Hafnium Sputtering Target 3 mm (max. 2% Zr) | 99.9%   | [7440-58-6] | X      | X       | X       | X        |          |          |
| 904305    | Hafnium Sputtering Target 6 mm (max. 2% Zr) | 99.9%   | [7440-58-6] | X      | X       | X       | X        |          |          |
| 904306    | Indium Sputtering Target 3 mm               | 99.9%   | [7440-74-6] | X      | X       | X       | X        |          |          |
| 904309    | Indium Sputtering Target 6 mm               | 99.9%   | [7440-74-6] | X      | X       | X       | X        |          |          |
| 904307    | Indium Sputtering Target 3 mm               | 99.99%  | [7440-74-6] | X      | X       | X       | X        |          |          |
| 904310    | Indium Sputtering Target 6 mm               | 99.99%  | [7440-74-6] | X      | X       | X       | X        |          |          |
| 904308    | Indium Sputtering Target 3 mm               | 99.999% | [7440-74-6] | X      | X       | X       | X        |          |          |
| 904311    | Indium Sputtering Target 6 mm               | 99.999% | [7440-74-6] | X      | X       | X       | X        |          |          |
| 904353    | Iridium Sputtering Target 0.5 mm            | 99.95%  | [7439-88-5] | X      | X       | X       | X        |          |          |
| 904362    | Iridium Sputtering Target 1 mm              | 99.95%  | [7439-88-5] | X      | X       | X       | X        |          |          |
| 905095    | Iridium Sputtering Target 3 mm              | 99.95%  | [7439-88-5] | X      | X       | X       | X        |          |          |
| 905095    | Iridium Sputtering Target 6 mm              | 99.95%  | [7439-88-5] | X      | X       | X       | X        |          |          |
| 905111    | Iron Sputtering Target 0.5 mm               | 99.99+% | [7439-89-6] | X      | X       | X       | X        | X        |          |
| 905111    | Iron Sputtering Target 1 mm                 | 99.99+% | [7439-89-6] | X      | X       | X       | X        | X        |          |
| 904312    | Iron Sputtering Target 3 mm                 | 99.9%   | [7439-89-6] | X      | X       | X       | X        | X        | X        |

| Product # | Material                          | Purity  | CAS-No.     | Ø 25mm | Ø 50 mm | Ø 75 mm | Ø 100 mm | Ø 125 mm | Ø 150 mm |
|-----------|-----------------------------------|---------|-------------|--------|---------|---------|----------|----------|----------|
| 903320    | Iron Sputtering Target 6 mm       | 99.9%   | [7439-89-6] | X      | X       | X       | X        | X        | X        |
| 904313    | Iron Sputtering Target 3 mm       | 99.99+% | [7439-89-6] | X      | X       | X       | X        | X        | X        |
| 904314    | Iron Sputtering Target 6 mm       | 99.99+% | [7439-89-6] | X      | X       | X       | X        | X        | X        |
| 904315    | Lead Sputtering Target 3 mm       | 99.99%  | [7439-92-1] | X      | X       | X       | X        |          |          |
| 904316    | Lead Sputtering Target 6 mm       | 99.99%  | [7439-92-1] | X      | X       | X       | X        |          |          |
| 904317    | Magnesium Sputtering Target 3 mm  | 99.8%   | [7439-95-4] | X      | X       | X       | X        |          |          |
| 904671    | Magnesium Sputtering Target 6 mm  | 99.8%   | [7439-95-4] | X      | X       | X       | X        |          |          |
| 904318    | Magnesium Sputtering Target 3 mm  | 99.98%  | [7439-95-4] | X      | X       | X       | X        |          |          |
| 904319    | Magnesium Sputtering Target 6 mm  | 99.98%  | [7439-95-4] | X      | X       | X       | X        |          |          |
| 903511    | Manganese Sputtering Target 3 mm  | 99.5%   | [7439-96-5] | X      | X       |         |          |          |          |
| 904321    | Manganese Sputtering Target 6 mm  | 99.5%   | [7439-96-5] | X      | X       |         |          |          |          |
| 904320    | Manganese Sputtering Target 3 mm  | 99.98%  | [7439-96-5] | X      | X       |         |          |          |          |
| 904322    | Manganese Sputtering Target 6 mm  | 99.98%  | [7439-96-5] | X      | X       |         |          |          |          |
| 904323    | Molybdenum Sputtering Target 3 mm | 99.95%  | [7439-98-7] | X      | X       | X       | X        | X        | X        |
| 904324    | Molybdenum Sputtering Target 6 mm | 99.95%  | [7439-98-7] | X      | X       | X       | X        | X        | X        |
| 904229    | Nickel Sputtering Target 1 mm     | 99.99+% | [7440-02-0] | X      | X       | X       |          |          |          |
| 904229    | Nickel Sputtering Target 2 mm     | 99.99+% | [7440-02-0] | X      | X       | X       | X        |          |          |
| 903399    | Nickel Sputtering Target 3 mm     | 99.9%   | [7440-02-0] | X      | X       | X       | X        | X        | X        |
| 904326    | Nickel Sputtering Target 6 mm     | 99.9%   | [7440-02-0] | X      | X       | X       | X        | X        | X        |
| 904325    | Nickel Sputtering Target 3 mm     | 99.99+% | [7440-02-0] | X      | X       | X       | X        | X        | X        |
| 904327    | Nickel Sputtering Target 6 mm     | 99.99+% | [7440-02-0] | X      | X       | X       | X        | X        | X        |

| Product # | Material                           | Purity  | CAS-No.     | Ø 25mm | Ø 50 mm | Ø 75 mm | Ø 100 mm | Ø 125 mm | Ø 150 mm |
|-----------|------------------------------------|---------|-------------|--------|---------|---------|----------|----------|----------|
| 903294    | Niobium Sputtering Target 3 mm     | 99.9%   | [7440-03-1] | X      | X       | X       | X        |          |          |
| 904328    | Niobium Sputtering Target 6 mm     | 99.9%   | [7440-03-1] | X      | X       | X       | X        |          |          |
| 904364    | Palladium Sputtering Target 0.2 mm | 99.95%  | [7440-05-3] | X      | X       | X       | X        |          |          |
| 903401    | Palladium Sputtering Target 0.5 mm | 99.95%  | [7440-05-3] | X      | X       | X       | X        |          |          |
| 902436    | Palladium Sputtering Target 1 mm   | 99.95%  | [7440-05-3] | X      | X       | X       | X        |          |          |
| 904365    | Palladium Sputtering Target 2 mm   | 99.95%  | [7440-05-3] | X      | X       | X       | X        |          |          |
| 904366    | Palladium Sputtering Target 3 mm   | 99.95%  | [7440-05-3] | X      | X       | X       | X        |          |          |
| 905091    | Palladium Sputtering Target 6 mm   | 99.95%  | [7440-05-3] | X      | X       | X       | X        |          |          |
| 904367    | Platinum Sputtering Target 0.2 mm  | 99.95%  | [7440-06-4] | X      | X       | X       | X        |          |          |
| 900495    | Platinum Sputtering Target 0.5 mm  | 99.95%  | [7440-06-4] | X      | X       | X       | X        |          |          |
| 904368    | Platinum Sputtering Target 1 mm    | 99.95%  | [7440-06-4] | X      | X       | X       | X        |          |          |
| 904369    | Platinum Sputtering Target 2 mm    | 99.95%  | [7440-06-4] | X      | X       | X       | X        |          |          |
| 904370    | Platinum Sputtering Target 3 mm    | 99.95%  | [7440-06-4] | X      | X       | X       | X        |          |          |
| 904352    | Rhenium Sputtering Target 3 mm     | 99.99%  | [7440-15-5] | X      | X       | X       |          |          |          |
| 904371    | Ruthenium Sputtering Target 0.5 mm | 99.99%  | [7440-18-8] | X      | X       | X       |          |          |          |
| 904372    | Ruthenium Sputtering Target 1 mm   | 99.99%  | [7440-18-8] | X      | X       | X       |          |          |          |
| 904373    | Ruthenium Sputtering Target 2 mm   | 99.99%  | [7440-18-8] | X      | X       | X       |          |          |          |
| 904374    | Ruthenium Sputtering Target 3 mm   | 99.99%  | [7440-18-8] | X      | X       | X       |          |          |          |
| 904329    | Silicon Sputtering Target 3.2 mm   | 99.999% | [7440-21-3] | X      | X       | X       | X        |          |          |
| 904330    | Silicon Sputtering Target 6.3 mm   | 99.999% | [7440-21-3] | X      | X       | X       | X        |          |          |
| 904375    | Silver Sputtering Target 0.2 mm    | 99.99%  | [7440-22-4] | X      | X       | X       | X        |          |          |

| Product # | Material                        | Purity  | CAS-No.     | Ø 25mm | Ø 50 mm | Ø 75 mm | Ø 100 mm | Ø 125 mm | Ø 150 mm |
|-----------|---------------------------------|---------|-------------|--------|---------|---------|----------|----------|----------|
| 904376    | Silver Sputtering Target 0.5 mm | 99.99%  | [7440-22-4] | X      | X       | X       | X        |          |          |
| 904377    | Silver Sputtering Target 1 mm   | 99.99%  | [7440-22-4] | X      | X       | X       | X        |          |          |
| 904378    | Silver Sputtering Target 2 mm   | 99.99%  | [7440-22-4] | X      | X       | X       | X        |          |          |
| 904379    | Silver Sputtering Target 3 mm   | 99.99%  | [7440-22-4] | X      | X       | X       | X        |          |          |
| 904380    | Silver Sputtering Target 6 mm   | 99.99%  | [7440-22-4] | X      | X       | X       | X        |          |          |
| 905092    | Silver Sputtering Target 3 mm   | 99.999% | [7440-22-4] | X      | X       | X       | X        |          |          |
| 905093    | Silver Sputtering Target 6 mm   | 99.999% | [7440-22-4] | X      | X       | X       | X        |          |          |
| 904331    | Tantalum Sputtering Target 3 mm | 99.9%   | [7440-25-7] | X      | X       | X       | X        |          |          |
| 904332    | Tantalum Sputtering Target 6 mm | 99.9%   | [7440-25-7] | X      | X       | X       | X        |          |          |
| 904333    | Tin Sputtering Target 3 mm      | 99.9%   | [7440-31-5] | X      | X       | X       | X        |          |          |
| 904336    | Tin Sputtering Target 6 mm      | 99.9%   | [7440-31-5] | X      | X       | X       | X        |          |          |
| 904334    | Tin Sputtering Target 3 mm      | 99.99%  | [7440-31-5] | X      | X       | X       | X        |          |          |
| 904337    | Tin Sputtering Target 6 mm      | 99.99%  | [7440-31-5] | X      | X       | X       | X        |          |          |
| 904335    | Tin Sputtering Target 3 mm      | 99.999% | [7440-31-5] | X      | X       | X       | X        |          |          |
| 904338    | Tin Sputtering Target 6 mm      | 99.999% | [7440-31-5] | X      | X       | X       | X        |          |          |
| 904339    | Titanium Sputtering Target 3 mm | 99.6%   | [7440-32-6] | X      | X       | X       | X        | X        | X        |
| 904341    | Titanium Sputtering Target 6 mm | 99.6%   | [7440-32-6] | X      | X       | X       | X        | X        | X        |
| 904340    | Titanium Sputtering Target 3 mm | 99.995% | [7440-32-6] | X      | X       | X       | X        | X        | X        |
| 904342    | Titanium Sputtering Target 6 mm | 99.995% | [7440-32-6] | X      | X       | X       | X        | X        | X        |
| 900349    | Tungsten Sputtering Target 3 mm | 99.95%  | [7440-33-7] | X      | X       | X       | X        |          |          |
| 904343    | Tungsten Sputtering Target 6 mm | 99.95%  | [7440-33-7] | X      | X       | X       | X        |          |          |

| Product # | Material                                      | Purity  | CAS-No.     | Ø 25mm | Ø 50 mm | Ø 75 mm | Ø 100 mm | Ø 125 mm | Ø 150 mm |
|-----------|---|---------|-------------|--------|---------|---------|----------|----------|----------|
| 904344    | Vanadium Sputtering Target 3 mm               | 99.9+%  | [7440-62-2] | X      | X       | X       | X        | X        | X        |
| 904345    | Vanadium Sputtering Target 6 mm               | 99.9+%  | [7440-62-2] | X      | X       | X       | X        | X        | X        |
| 905094    | Yttrium Sputtering Target 3 mm                | 99.9%   | [7440-65-5] |        | X       |         |          |          |          |
| 904346    | Zinc Sputtering Target 3 mm                   | 99.9%   | [7440-66-6] | X      | X       | X       | X        | X        | X        |
| 904348    | Zinc Sputtering Target 6 mm                   | 99.9%   | [7440-66-6] | X      | X       | X       | X        | X        | X        |
| 904347    | Zinc Sputtering Target 3 mm                   | 99.995% | [7440-66-6] | X      | X       | X       | X        | X        | X        |
| 904349    | Zinc Sputtering Target 6 mm                   | 99.995% | [7440-66-6] | X      | X       | X       | X        | X        | X        |
| 904350    | Zirconium Sputtering Target 3 mm (max. 4% Hf) | 99.95%  | [7440-67-7] | X      | X       | X       | X        | X        | X        |
| 904351    | Zirconium Sputtering Target 6 mm (max. 4% Hf) | 99.95%  | [7440-67-7] | X      | X       | X       | X        | X        | X        |



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