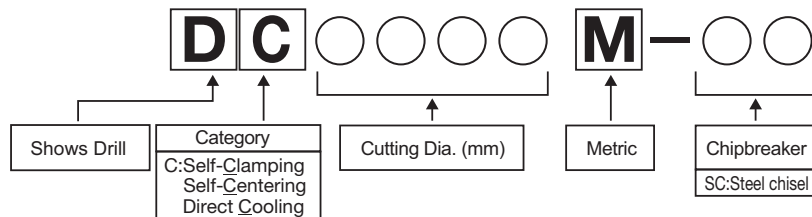


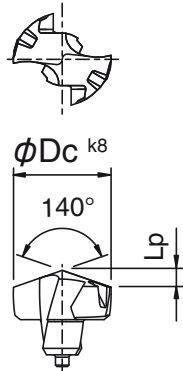
# MagicDrill® Insert for DRC

## Description Identification System (Inserts)



## Insert Grades PR0315

PR0315 is tough super micro grain carbide grade with TiAlN coating, with excellent wear resistance and fracture resistance. It enable stable machining of various workpiece such as carbon steel, alloy steel and cast iron.

| Insert                                                                                                                                                                  | Description | Dimension (mm) |      | PVD Coated Carbide | Applicable Toolholder<br>K7~K9, K12~K14 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|------|--------------------|-----------------------------------------|
|                                                                                                                                                                         |             | øDc            | Lp   | PR0315             |                                         |
|   | DC 0794M-SC | 7.94           | 1.44 | ●                  | SS10-DRC080M-○<br>SF12-DRC080M-○        |
|                                                                                                                                                                         | 0800M-SC    | 8.00           | 1.46 | ●                  |                                         |
|                                                                                                                                                                         | 0810M-SC    | 8.10           | 1.47 | ●                  |                                         |
|                                                                                                                                                                         | 0820M-SC    | 8.20           | 1.49 | ●                  |                                         |
|                                                                                                                                                                         | 0830M-SC    | 8.30           | 1.51 | ●                  |                                         |
|                                                                                                                                                                         | 0840M-SC    | 8.40           | 1.53 | ●                  |                                         |
|                                                                                                                                                                         | DC 0850M-SC | 8.50           | 1.55 | ●                  | SS10-DRC085M-○<br>SF12-DRC085M-○        |
|                                                                                                                                                                         | 0860M-SC    | 8.60           | 1.56 | ●                  |                                         |
|                                                                                                                                                                         | 0870M-SC    | 8.70           | 1.58 | ●                  |                                         |
|                                                                                                                                                                         | 0880M-SC    | 8.80           | 1.60 | ●                  |                                         |
|                                                                                                                                                                         | 0890M-SC    | 8.90           | 1.62 | ●                  |                                         |
|                                                                                                                                                                         | DC 0900M-SC | 9.00           | 1.64 | ●                  | SS10-DRC090M-○<br>SF12-DRC090M-○        |
|                                                                                                                                                                         | 0910M-SC    | 9.10           | 1.66 | ●                  |                                         |
|                                                                                                                                                                         | 0920M-SC    | 9.20           | 1.67 | ●                  |                                         |
|                                                                                                                                                                         | 0930M-SC    | 9.30           | 1.69 | ●                  |                                         |
|                                                                                                                                                                         | 0940M-SC    | 9.40           | 1.71 | ●                  |                                         |
|                                                                                                                                                                         | DC 0950M-SC | 9.50           | 1.73 | ●                  | SS10-DRC095M-○<br>SF12-DRC095M-○        |
|                                                                                                                                                                         | 0960M-SC    | 9.60           | 1.75 | ●                  |                                         |
|                                                                                                                                                                         | 0970M-SC    | 9.70           | 1.76 | ●                  |                                         |
|                                                                                                                                                                         | 0980M-SC    | 9.80           | 1.78 | ●                  |                                         |
|                                                                                                                                                                         | 0990M-SC    | 9.90           | 1.80 | ●                  |                                         |
|                                                                                                                                                                         | DC 1000M-SC | 10.00          | 1.82 | ●                  | SS12-DRC100M-○<br>SF16-DRC100M-○        |
|                                                                                                                                                                         | 1010M-SC    | 10.10          | 1.84 | ●                  |                                         |
|                                                                                                                                                                         | 1020M-SC    | 10.20          | 1.86 | ●                  |                                         |
|                                                                                                                                                                         | 1030M-SC    | 10.30          | 1.87 | ●                  |                                         |
|                                                                                                                                                                         | 1040M-SC    | 10.40          | 1.89 | ●                  |                                         |
|                                                                                                                                                                         | DC 1050M-SC | 10.50          | 1.91 | ●                  | SS12-DRC105M-○<br>SF16-DRC105M-○        |
|                                                                                                                                                                         | 1060M-SC    | 10.60          | 1.93 | ●                  |                                         |
|                                                                                                                                                                         | 1070M-SC    | 10.70          | 1.95 | ●                  |                                         |
|                                                                                                                                                                         | 1080M-SC    | 10.80          | 1.96 | ●                  |                                         |
|                                                                                                                                                                         | 1090M-SC    | 10.90          | 1.98 | ●                  |                                         |
|                                                                                                                                                                         | DC 1100M-SC | 11.00          | 2.00 | ●                  | SS12-DRC110M-○<br>SF16-DRC110M-○        |
|                                                                                                                                                                         | 1110M-SC    | 11.10          | 2.02 | ●                  |                                         |
|                                                                                                                                                                         | 1120M-SC    | 11.20          | 2.04 | ●                  |                                         |
|                                                                                                                                                                         | 1130M-SC    | 11.30          | 2.06 | ●                  |                                         |
|                                                                                                                                                                         | 1140M-SC    | 11.40          | 2.07 | ●                  |                                         |
|                                                                                                                                                                         | DC 1150M-SC | 11.50          | 2.09 | ●                  | SS12-DRC115M-○<br>SF16-DRC115M-○        |
|                                                                                                                                                                         | 1160M-SC    | 11.60          | 2.11 | ●                  |                                         |
|                                                                                                                                                                         | 1170M-SC    | 11.70          | 2.13 | ●                  |                                         |
|                                                                                                                                                                         | 1180M-SC    | 11.80          | 2.15 | ●                  |                                         |
|                                                                                                                                                                         | 1190M-SC    | 11.90          | 2.16 | ●                  |                                         |
|                                                                                                                                                                         | DC 1200M-SC | 12.00          | 2.18 | ●                  | SS14-DRC120M-○<br>SF16-DRC120M-○        |
|                                                                                                                                                                         | 1210M-SC    | 12.10          | 2.20 | ●                  |                                         |
|                                                                                                                                                                         | 1220M-SC    | 12.20          | 2.22 | ●                  |                                         |
|                                                                                                                                                                         | 1230M-SC    | 12.30          | 2.24 | ●                  |                                         |
|                                                                                                                                                                         | 1240M-SC    | 12.40          | 2.26 | ●                  |                                         |

k8 tolerance

| øDc                 | k8(mm)      |
|---------------------|-------------|
| 7.94<br> <br>10.00  | +0.022<br>0 |
| 10.10<br> <br>18.00 | +0.027<br>0 |
| 18.10<br> <br>20.99 | +0.033<br>0 |

k8 is the dimension tolerance of the insert.  
It is not the dimension tolerance of the cutting diameter.

K

Drilling