

## DIN 6319 ed. 10/01 - STEEL CONVEX C DESIGN WASHER

Rondelle DIN6319

### Materials:

Y319:

Case-hardened steel.

Y319PIN:

Stainless steel (Aisi 303).

### Surface finish:

Y319:

Smooth, case-hardened.

Y319PIN:

Natural, untreated.

### Colour:

Y319:

Standard black-oxide treatment.

Y319PIN:

Natural.

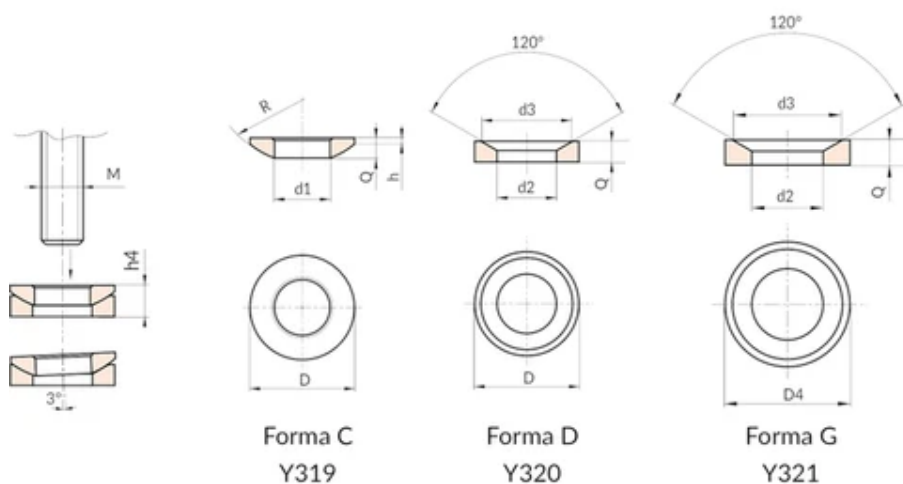
### Special requests:

None.

### Notes:

Attention: convex washer Y319 must be used with concave washer Y320 or Y321 (to be ordered separately).





#### Version DIN 6319 C Design - black-oxide treated steel convex washer

| Code         | Art.            | D    | R   | h   | d1 H13 | M   | Q    | Max. permissible static load kN | Weight (g) |
|--------------|-----------------|------|-----|-----|--------|-----|------|---------------------------------|------------|
| Y319010.0001 | Y319010.SD05.25 | 10.5 | 7.5 | 0.4 | 5.25   | M05 | 2    | -                               | 0.7        |
| Y319012.0002 | Y319012.SD06.4  | 12   | 9   | 0.7 | 6.4    | M06 | 2.3  | 9                               | 1          |
| Y319017.0002 | Y319017.SD08.4  | 17   | 12  | 0.6 | 8.4    | M08 | 3.2  | 17                              | 2.8        |
| Y319021.0002 | Y319021.SD10.5  | 21   | 15  | 0.8 | 10.5   | M10 | 4    | 26                              | 5          |
| Y319024.0002 | Y319024.SD13    | 24   | 17  | 1.1 | 13     | M12 | 4.6  | 38                              | 8          |
| Y319028.0001 | Y319028.SD15    | 28   | 22  | 1.2 | 15     | M14 | 5    | 53                              | 11         |
| Y319030.0002 | Y319030.SD17    | 30   | 22  | 1.3 | 17     | M16 | 5.3  | 73                              | 13         |
| Y319036.0002 | Y319036.SD21    | 36   | 27  | 2   | 21     | M20 | 6.3  | 117                             | 23         |
| Y319044.0002 | Y319044.SD25    | 44   | 32  | 2.4 | 25     | M24 | 8.2  | 168                             | 21         |
| Y319056.0002 | Y319056.SD31    | 56   | 41  | 3.6 | 31     | M30 | 11.2 | 269                             | 103        |
| Y319068.0002 | Y319068.SD37    | 68   | 50  | 4.6 | 37     | M36 | 14   | 394                             | 188        |
| Y319078.0002 | Y319078.SD43    | 78   | 58  | 6.5 | 43     | M42 | 17   | 542                             | 316        |
| Y319092.0002 | Y319092.SD50    | 92   | 67  | 8   | 50     | M48 | 21   | 714                             | 549        |
| Y319103.0001 | Y319103.SD58    | 103  | 79  | 9.5 | 58     | M56 | 23   | -                               | 748        |
| Y319120.0001 | Y319120.SD66    | 120  | 93  | 12  | 66     | M64 | 27   | -                               | 1239       |

#### Version DIN 6319 C Design - stainless steel (Aisi 303) convex washer

| Code         | Art.              | D  | R  | h   | d1 H13 | M   | Q   | Max. permissible static load kN | Weight (g) |
|--------------|-------------------|----|----|-----|--------|-----|-----|---------------------------------|------------|
| Y319012.0001 | Y319012.ID06.4PIN | 12 | 9  | 0.7 | 6.4    | M06 | 2.3 | 6                               | 1          |
| Y319017.0001 | Y319017.ID08.4PIN | 17 | 12 | 0.6 | 8.4    | M08 | 3.2 | 12                              | 2.8        |

| Code         | Art.              | D  | R  | h   | d1 H13 | M   | Q    | Max. permissible static load kN | Weight (g) |
|--------------|-------------------|----|----|-----|--------|-----|------|---------------------------------|------------|
| Y319021.0001 | Y319021.ID10.5PIN | 21 | 15 | 0.8 | 10.5   | M10 | 4    | 16                              | 5          |
| Y319024.0001 | Y319024.ID13PIN   | 24 | 17 | 1.1 | 13     | M12 | 4.6  | 24                              | 7          |
| Y319030.0001 | Y319030.ID17PIN   | 30 | 22 | 1.3 | 17     | M16 | 5.3  | 45                              | 13         |
| Y319036.0001 | Y319036.ID21PIN   | 36 | 27 | 2   | 21     | M20 | 6.3  | 71                              | 24         |
| Y319044.0001 | Y319044.ID25PIN   | 44 | 32 | 2.4 | 25     | M24 | 8.2  | 105                             | 44         |
| Y319056.0001 | Y319056.ID31PIN   | 56 | 41 | 3.6 | 31     | M30 | 11.2 | 191                             | 106        |
| Y319068.0001 | Y319068.ID37PIN   | 68 | 50 | 4.6 | 37     | M36 | 14   | -                               | 194        |
| Y319078.0001 | Y319078.ID43PIN   | 78 | 58 | 6.5 | 43     | M42 | 17   | -                               | 311        |
| Y319092.0001 | Y319092.ID50PIN   | 92 | 67 | 8   | 50     | M48 | 21   | -                               | 550        |