

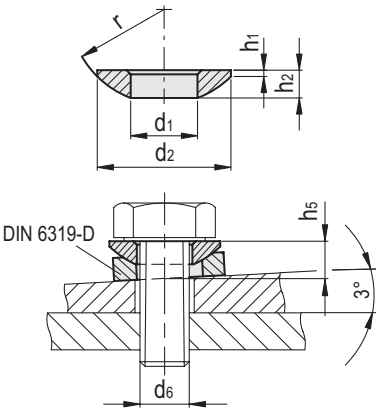
EXÉCUTIONS STANDARDS

Acier cémenté (épaisseur de la trempe 0.2 - 0.4 mm), dureté (550 + 100) HV 10:

- **DIN 6319-C**: rondelle convexe.
  - **DIN 6319-D**: rondelle concave avec  $d3 = d2$ .
- Acier trempé, dureté (350 +80) HV 30 :
- **DIN 6319-G**: rondelle concave avec  $d4 > d2$ .

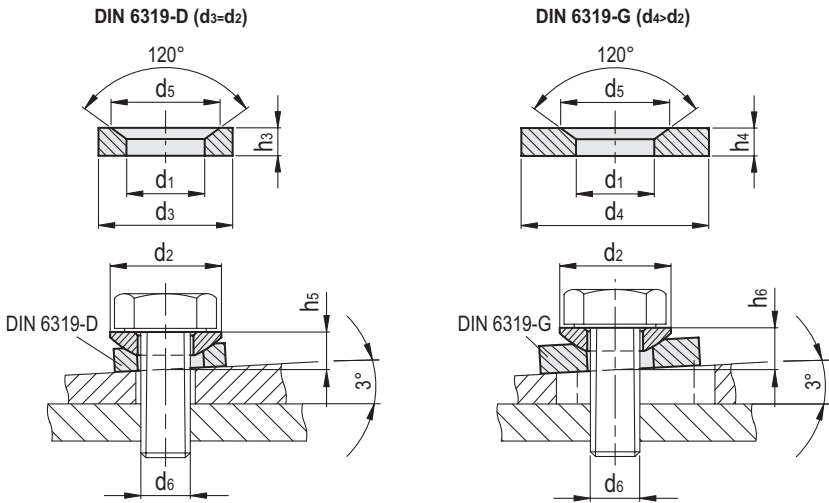
CARACTÉRISTIQUES ET APPLICATIONS

Les rondelles concaves et convexes DIN 6319 sont utilisées principalement pour bloquer des pièces mécaniques avec des surfaces non parallèles entre elles.



DIN 6319-C

| Code     | Description     | d1 H13 | d2 | d6<br>Vis | h1  | h2   | h5   | r  | Force statique maximale<br>du boulon<br>[kN] | ⚖   |
|----------|-----------------|--------|----|-----------|-----|------|------|----|----------------------------------------------|-----|
| GN.30831 | DIN 6319-6,4-C  | 6.4    | 12 | M 6       | 0.7 | 2.3  | 4.2  | 9  | 9                                            | 1   |
| GN.30835 | DIN 6319-8,4-C  | 8.4    | 17 | M 8       | 0.6 | 3.2  | 5.6  | 12 | 17                                           | 3   |
| GN.30841 | DIN 6319-10,5-C | 10.5   | 21 | M 10      | 0.8 | 4    | 6.5  | 15 | 26                                           | 6   |
| GN.30845 | DIN 6319-13-C   | 13     | 24 | M 12      | 1.1 | 4.6  | 8    | 17 | 38                                           | 8   |
| GN.30851 | DIN 6319-15-C   | 15     | 28 | M 14      | 1.2 | 5    | 8.5  | 22 | 53                                           | 10  |
| GN.30855 | DIN 6319-17-C   | 17     | 30 | M 16      | 1.3 | 5.3  | 9.6  | 22 | 73                                           | 12  |
| GN.30861 | DIN 6319-21-C   | 21     | 36 | M 20      | 2   | 6.3  | 11.7 | 27 | 117                                          | 22  |
| GN.30865 | DIN 6319-25-C   | 25     | 44 | M 24      | 2.4 | 8.2  | 15.2 | 32 | 168                                          | 18  |
| GN.30871 | DIN 6319-31-C   | 31     | 56 | M 30      | 3.6 | 11.2 | 19.2 | 41 | 269                                          | 100 |
| GN.30875 | DIN 6319-37-C   | 37     | 68 | M 36      | 4.6 | 14   | 23.5 | 50 | 394                                          | 180 |
| GN.30881 | DIN 6319-43-C   | 43     | 78 | M 42      | 6.5 | 17   | 29   | 58 | 542                                          | 318 |
| GN.30885 | DIN 6319-50-C   | 50     | 92 | M 48      | 8   | 21   | 35.5 | 67 | 714                                          | 540 |



DIN 6319-D

| Code     | Description     | d1 H13 | d2 | d3 | d5   | d6 Vis | h3  | h5   | Force statique maximale<br>du boulon<br>[kN] | ⚖   |
|----------|-----------------|--------|----|----|------|--------|-----|------|----------------------------------------------|-----|
| GN.30901 | DIN 6319-7,1-D  | 7.1    | 12 | 12 | 11   | M 6    | 2.8 | 4.2  | 9                                            | 2   |
| GN.30905 | DIN 6319-9,6-D  | 9.6    | 17 | 17 | 14.5 | M 8    | 3.5 | 5.6  | 17                                           | 4   |
| GN.30911 | DIN 6319-12-D   | 12     | 21 | 21 | 18.5 | M 10   | 4.2 | 6.5  | 26                                           | 6   |
| GN.30915 | DIN 6319-14,2-D | 14.2   | 24 | 24 | 20   | M 12   | 5   | 8    | 38                                           | 10  |
| GN.30921 | DIN 6319-16,5-D | 16.5   | 28 | 28 | 24.8 | M 14   | 5.6 | 8.5  | 53                                           | 14  |
| GN.30925 | DIN 6319-19-D   | 19     | 30 | 30 | 26   | M 16   | 6.2 | 9.6  | 73                                           | 17  |
| GN.30931 | DIN 6319-23,2-D | 23.2   | 36 | 36 | 31   | M 20   | 7.5 | 11.7 | 117                                          | 32  |
| GN.30935 | DIN 6319-28-D   | 28     | 44 | 44 | 37   | M 24   | 9.5 | 15.2 | 168                                          | 61  |
| GN.30941 | DIN 6319-35-D   | 35     | 56 | 56 | 49   | M 30   | 12  | 19.2 | 269                                          | 120 |
| GN.30945 | DIN 6319-42-D   | 42     | 68 | 68 | 60   | M 36   | 15  | 23.5 | 394                                          | 250 |
| GN.30951 | DIN 6319-49-D   | 49     | 78 | 78 | 70   | M 42   | 18  | 29   | 542                                          | 360 |
| GN.30955 | DIN 6319-56-D   | 56     | 92 | 92 | 82   | M 48   | 22  | 35.5 | 714                                          | 640 |

DIN 6319-G

| Code     | Description     | d1 H13 | d2 | d4 | d5   | d6 Vis | h4 | h6   | Force statique maximale<br>du boulon<br>[kN] | ⚖   |
|----------|-----------------|--------|----|----|------|--------|----|------|----------------------------------------------|-----|
| GN.31001 | DIN 6319-7,1-G  | 7.1    | 12 | 17 | 11   | M 6    | 4  | 5.4  | 9                                            | 6   |
| GN.31005 | DIN 6319-9,6-G  | 9.6    | 17 | 24 | 14.5 | M 8    | 5  | 7.1  | 17                                           | 15  |
| GN.31011 | DIN 6319-12-G   | 12     | 21 | 30 | 18.5 | M 10   | 5  | 7.3  | 26                                           | 20  |
| GN.31015 | DIN 6319-14,2-G | 14.2   | 24 | 36 | 20   | M 12   | 6  | 9    | 38                                           | 39  |
| GN.31018 | DIN 6319-16,5-G | 16.5   | 28 | 40 | 24.8 | M 14   | 6  | 9.5  | 53                                           | 65  |
| GN.31021 | DIN 6319-19-G   | 19     | 30 | 44 | 26   | M 16   | 7  | 10.4 | 73                                           | 90  |
| GN.31025 | DIN 6319-23,2-G | 23.2   | 36 | 50 | 31   | M 20   | 8  | 12.2 | 117                                          | 162 |
| GN.31031 | DIN 6319-28-G   | 28     | 44 | 60 | 37   | M 24   | 10 | 15.7 | 168                                          | 235 |
| GN.31035 | DIN 6319-35-G   | 35     | 56 | 68 | 49   | M 30   | 12 | 19.7 | 269                                          | 45  |

