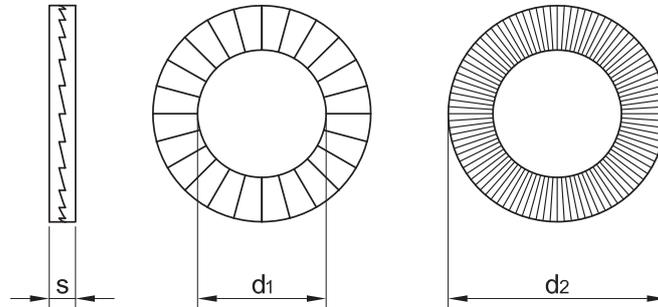


BOLT SECURING WASHERS

ISO UNI DIN
- - 25201



MATERIAL

STEEL

STAINLESS STEEL

MECHANICAL PROPERTIES

ACCORDING TO UNI EN 10083

ACCORDING TO UNI EN 10083

CLASS

465-550 HV

A4

AVAILABLE TREATMENT

Geomet - Other coatings on request

| d | d ₁ min-max | d ₂ max-max | s min-max |  Kg |
|-------|------------------------|------------------------|-----------|--|
| M 3 | 3,30-3,50 | 6,80-7,20 | 1,55-2,05 | 0,34 |
| M 3,5 | 3,80-4,00 | 7,40-7,80 | 1,55-2,05 | 0,4 |
| M 3,5 | 3,80-4,00 | 8,80-9,20 | 1,55-2,05 | 0,6 |
| M 4 | 4,30-4,50 | 7,40-7,80 | 1,55-2,05 | 0,4 |
| M 4 | 4,30-4,50 | 8,80-9,20 | 1,55-2,05 | 0,6 |
| M 5 | 5,30-5,50 | 8,80-9,20 | 1,55-2,05 | 0,5 |
| M 5 | 5,30-5,50 | 10,60-11,00 | 1,55-2,05 | 1,1 |
| M 6 | 6,40-6,60 | 10,60-11,00 | 1,55-2,05 | 0,7 |
| M 6 | 6,40-6,60 | 13,30-13,70 | 2,25-2,75 | 2 |
| M 8 | 8,60-8,80 | 13,30-13,70 | 2,25-2,75 | 1,5 |
| M 8 | 8,60-8,80 | 16,40-16,80 | 2,25-2,75 | 2,9 |
| M 10 | 10,50-10,90 | 16,40-16,80 | 2,25-2,75 | 2,3 |
| M 10 | 10,50-10,90 | 20,80-21,20 | 2,25-2,75 | 4,65 |
| M 12 | 12,80-13,20 | 19,30-19,70 | 2,25-2,75 | 2,9 |
| M 12 | 12,80-13,20 | 25,20-25,60 | 3,15-3,65 | 9,1 |
| M 14 | 15,00-15,40 | 22,80-23,20 | 3,15-3,65 | 6,2 |
| M 14 | 15,00-15,40 | 30,50-30,90 | 3,15-3,65 | 14 |
| M 16 | 16,80-17,20 | 25,20-25,60 | 3,15-3,65 | 6,6 |
| M 16 | 16,80-17,20 | 30,50-30,90 | 3,15-3,65 | 12,7 |
| M 18 | 19,30-19,70 | 28,80-29,20 | 3,15-3,65 | 8,5 |
| M 18 | 19,30-19,70 | 34,30-34,70 | 3,15-3,65 | 15,5 |
| M 20 | 21,20-21,60 | 30,50-30,90 | 3,15-3,65 | 9,3 |
| M 20 | 21,20-21,60 | 38,80-39,20 | 3,15-3,65 | 20,4 |
| M 22 | 23,20-23,60 | 34,30-34,70 | 3,15-3,65 | 12,90 |
| M 22 | 23,20-23,60 | 41,80-42,20 | 4,35-4,85 | 33,1 |
| M 24 | 25,10-25,50 | 38,80-39,20 | 3,15-3,65 | 16,8 |
| M 24 | 25,10-25,50 | 48,30-48,70 | 4,35-4,85 | 45,1 |
| M 27 | 28,20-28,60 | 41,70-42,30 | 5,55-6,05 | 32,70 |
| M 27 | 28,20-28,60 | 48,20-48,80 | 5,55-6,05 | 52,90 |

 Weight for 1000 pcs

(*) The standard ISO is different from UNI 6592 and DIN 125A for the surface hardness (ISO 7089)

For product weights in stainless steel A2 multiply the values by 1.01, A4 by 1.013. For brass product weights multiply the values by 1.083.



| d | d₁ min-max | d₂ max-max | S min-max | Kg |
|--------------|------------------------------|------------------------------|------------------|-----------|
| M 30 | 31,20-31,60 | 46,70-47,30 | 5,55-6,05 | 41,1 |
| M 30 | 31,20-31,60 | 58,20-58,80 | 6,35-6,85 | 89,6 |
| M 33 | 34,20-34,60 | 48,20-48,80 | 5,55-6,05 | 40,00 |
| M 33 | 34,20-34,60 | 58,20-58,80 | 6,35-6,85 | 83,10 |
| M 36 | 37,20-37,60 | 54,70-55,30 | 6,35-6,85 | 55,9 |
| M 36 | 37,20-37,60 | 62,70-63,30 | 6,35-6,85 | 91,5 |
| M 39 | 40,20-40,60 | 58,20-58,80 | 6,35-6,85 | 62,8 |
| M 42 | 43,00-43,40 | 62,70-63,30 | 6,35-6,85 | 74,7 |
| 1/4" | 7,10-7,30 | 11,30-11,70 | 1,55-2,05 | 0,8 |
| 1/4" | 7,10-7,30 | 13,30-13,70 | 2,25-2,75 | 1,8 |
| 3/8" | 10,20-10,40 | 16,40-16,80 | 2,25-2,75 | 2,3 |
| 3/8" | 10,20-10,40 | 20,80-21,20 | 2,25-2,75 | 4,7 |
| 7/16" | 11,20-11,60 | 18,30-18,70 | 2,25-2,75 | 2,9 |
| 1/2" | 13,30-13,70 | 19,30-19,70 | 2,25-2,75 | 2,7 |
| 1/2" | 13,30-13,70 | 25,20-25,60 | 3,15-3,65 | 9 |
| 3/4" | 19,80-20,20 | 30,50-30,90 | 3,15-3,65 | 10,2 |
| 3/4" | 19,80-20,20 | 38,80-39,20 | 3,15-3,65 | 22 |
| 1" | 27,70-28,10 | 38,80-39,20 | 3,15-3,65 | 15,3 |
| 1" | 27,70-28,10 | 48,30-48,70 | 4,35-4,85 | 42 |