

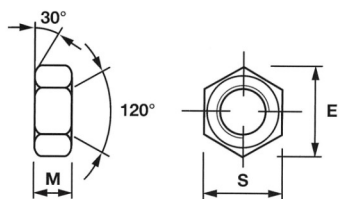


**DADI & RONDELLE**



## Dadi esagonali normali DIN 934 - Uni 5588 - Iso 4032

### Exagon nuts



- Acciaio a media resistenza
- Classe 8 (6S)
- Carico unitario di prova:
- Carico di durezza:

800 N/mm<sup>2</sup>  
89 HRB Min

- Medium tensile steel
- Class 8 (6S) steel
- Unit load test:
- Hardness load minimum:

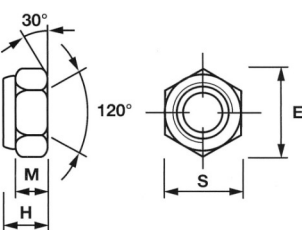
800 N/mm<sup>2</sup>  
89 HRB Min

| Diametri<br>Diameters | Limiti<br>Limits | E     | M     | S     | P      |
|-----------------------|------------------|-------|-------|-------|--------|
| M 3                   | Min.             | 6,01  | 2,15  | -     | ~ 0,50 |
|                       | Max              | -     | 2,40  | 5,50  | -      |
| M 4                   | Min.             | 7,66  | 2,90  | -     | ~ 0,70 |
|                       | Max              | -     | 3,20  | 7,00  | -      |
| M 5                   | Min.             | 8,79  | 3,70  | -     | ~ 0,80 |
|                       | Max              | -     | 4,00  | 8,00  | -      |
| M 6                   | Min.             | 11,05 | 4,70  | -     | ~ 1,00 |
|                       | Max              | -     | 5,00  | 10,00 | -      |
| M 8                   | Min.             | 14,38 | 6,14  | -     | ~ 1,25 |
|                       | Max              | -     | 6,50  | 13,00 | -      |
| M 10                  | Min.             | 18,90 | 7,64  | -     | ~ 1,50 |
|                       | Max              | -     | 8,00  | 17,00 | -      |
| M 12                  | Min.             | 21,10 | 9,64  | -     | ~ 1,75 |
|                       | Max              | -     | 10,00 | 19,00 | -      |
| M 14                  | Min.             | 24,49 | 10,30 | -     | ~ 2,00 |
|                       | Max              | -     | 11,00 | 22,00 | -      |
| M 16                  | Min.             | 26,75 | 12,30 | -     | ~ 2,00 |
|                       | Max              | -     | 13,00 | 24,00 | -      |
| M 18                  | Min.             | 29,56 | 14,30 | -     | ~ 2,50 |
|                       | Max              | -     | 15,00 | 27,00 | -      |
| M 20                  | Min.             | 32,95 | 14,90 | -     | ~ 2,50 |
|                       | Max              | -     | 16,00 | 30,00 | -      |
| M 22                  | Min.             | 35,03 | 16,90 | -     | ~ 2,50 |
|                       | Max              | -     | 18,00 | 32,00 | -      |
| M 24                  | Min.             | 39,55 | 17,70 | -     | ~ 3,00 |
|                       | Max              | -     | 19,00 | 36,00 | -      |
| M 27                  | Min.             | 45,20 | 20,70 | -     | ~ 3,00 |
|                       | Max              | -     | 22,00 | 41,00 | -      |
| M 30                  | Min.             | 50,82 | 22,70 | -     | ~ 3,50 |
|                       | Max              | -     | 24,00 | 46,00 | -      |



## Dadi autobloccanti bassi DIN 985 - Uni 7474 - Iso 10511

### Insert nylon nuts



- Acciaio a media resistenza
- Classe 6S
- Carico di durezza:
- Materiale inserto:

89 HRB Min  
polyamide

| Diametri<br>Diameters | Limiti<br>Limits | H     | M    | S     | E     | P      |
|-----------------------|------------------|-------|------|-------|-------|--------|
| M 4                   | Min.             | 4,70  | 2,90 | 6,78  | 7,66  | ~ 0,70 |
|                       | Max              | 5,00  | -    | 7,00  | -     | -      |
| M 5                   | Min.             | 4,70  | 3,20 | 7,78  | 8,79  | ~ 0,80 |
|                       | Max              | 5,00  | -    | 8,00  | -     | -      |
| M 6                   | Min.             | 5,70  | 4,00 | 9,78  | 11,05 | ~ 1,00 |
|                       | Max              | 6,00  | -    | 10,00 | -     | -      |
| M 8                   | Min.             | 7,64  | 5,50 | 12,73 | 14,38 | ~ 1,25 |
|                       | Max              | 8,00  | -    | 13,00 | -     | -      |
| M 10                  | Min.             | 9,64  | 6,50 | 16,73 | 18,90 | ~ 1,50 |
|                       | Max              | 10,00 | -    | 17,00 | -     | -      |
| M 12                  | Min.             | 11,57 | 8,00 | 18,67 | 21,10 | ~ 1,75 |
|                       | Max              | 12,00 | -    | 19,00 | -     | -      |

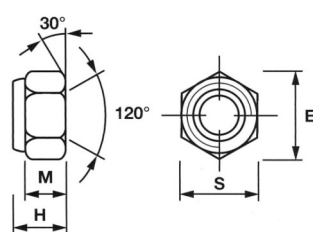
- Medium tensile steel
- Class 6S steel
- Hardness load minimum:
- Insert material:

89 HRB Min  
polyamide



## Dadi autobloccanti alti DIN 982 - Uni 7473 - Iso 7040

### Insert Nylon Nuts



| Diametri<br>Diameters | Limiti<br>Limits | H     | M     | S     | E     | P      |
|-----------------------|------------------|-------|-------|-------|-------|--------|
| <b>M 5</b>            | Min.             | 6,00  | 4,40  | 7,78  | 8,79  | ~ 0,80 |
|                       | Max              | 6,30  | -     | 8,00  | -     | -      |
| <b>M 6</b>            | Min.             | 7,00  | 4,90  | 9,78  | 11,05 | ~ 1,00 |
|                       | Max              | 8,00  | -     | 10,00 | -     | -      |
| <b>M 8</b>            | Min.             | 9,14  | 6,44  | 12,73 | 14,38 | ~ 1,25 |
|                       | Max              | 9,50  | -     | 13,00 | -     | -      |
| <b>M 10</b>           | Min.             | 11,14 | 8,04  | 16,73 | 18,90 | ~ 1,50 |
|                       | Max              | 11,50 | -     | 17,00 | -     | -      |
| <b>M 12</b>           | Min.             | 13,64 | 10,37 | 18,67 | 21,10 | ~ 1,75 |
|                       | Max              | 14,00 | -     | 19,00 | -     | -      |

- Acciaio a media resistenza
- Classe 6S
- Carico di durezza:
- Materiale inserto:

89 HRB Min  
polyamide

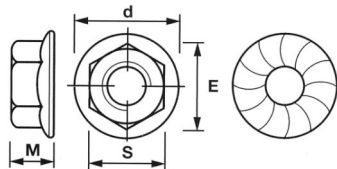
- Medium tensile steel
- Class 6S steel
- Hardness load minimum:
- Insert material:

89 HRB Min  
polyamide



## Dadi flangiati Dentellati DIN 6923 - Iso 4161

### Hexagon flange nuts with serration



| Diametri<br>Diameters | Limiti<br>Limits | M     | d     | S     | E     | P      |
|-----------------------|------------------|-------|-------|-------|-------|--------|
| <b>M 4</b>            | Min.             | 4,20  | 9,60  | 6,78  | 7,66  | ~ 0,70 |
|                       | Max              | 4,65  | 10,00 | 7,00  | -     | -      |
| <b>M 5</b>            | Min.             | 4,70  | 9,80  | 7,78  | 8,79  | ~ 0,80 |
|                       | Max              | 5,00  | 11,80 | 8,00  | -     | -      |
| <b>M 6</b>            | Min.             | 5,70  | 12,20 | 9,78  | 11,03 | ~ 1,00 |
|                       | Max              | 6,00  | 14,20 | 10,00 | -     | -      |
| <b>M 8</b>            | Min.             | 7,60  | 15,80 | 12,73 | 14,38 | ~ 1,25 |
|                       | Max              | 8,00  | 17,90 | 13,00 | -     | -      |
| <b>M 10</b>           | Min.             | 9,60  | 19,60 | 14,73 | 16,64 | ~ 1,50 |
|                       | Max              | 10,00 | 21,80 | 15,00 | -     | -      |
| <b>M 12</b>           | Min.             | 11,60 | 23,80 | 17,73 | 20,03 | ~ 1,75 |
|                       | Max              | 12,00 | 26,00 | 18,00 | -     | -      |

- Acciaio a media resistenza
- Classe 6S
- Carico di durezza:

89 HRB Min

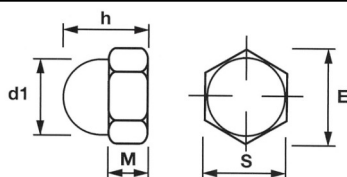
- Medium tensile steel
- Class 6S steel
- Hardness load minimum:

89 HRB Min



## Dadi ciechi DIN 1587 - Uni 5721

### Hexagon domed cap nuts



| Diametri<br>Diameters | Limiti<br>Limits | S     | M     | h     | d1    | E     |
|-----------------------|------------------|-------|-------|-------|-------|-------|
| <b>M 5</b>            | Min.             | 8,00  | 3,70  | 10,00 | -     | 8,79  |
|                       | Max              | -     | 4,00  | -     | 7,50  | -     |
| <b>M 6</b>            | Min.             | 10,00 | 4,70  | 12,00 | -     | 11,05 |
|                       | Max              | -     | 5,00  | -     | 9,50  | -     |
| <b>M 8</b>            | Min.             | 13,00 | 6,14  | 15,00 | -     | 14,38 |
|                       | Max              | -     | 6,50  | -     | 12,50 | -     |
| <b>M 10</b>           | Min.             | 17,00 | 7,64  | 18,00 | -     | 17,77 |
|                       | Max              | -     | 8,00  | -     | 16,00 | -     |
| <b>M 12</b>           | Min.             | 19,00 | 9,64  | 22,00 | -     | 20,03 |
|                       | Max              | -     | 10,00 | -     | 18,00 | -     |
| <b>M 14</b>           | Min.             | 22,00 | 10,30 | 25,00 | -     | 23,35 |
|                       | Max              | -     | 11,00 | -     | 21,00 | -     |
| <b>M 16</b>           | Min.             | 24,00 | 12,30 | 28,00 | -     | 26,75 |
|                       | Max              | -     | 13,00 | -     | 23,00 | -     |
| <b>M 18</b>           | Min.             | 27,00 | 14,30 | 32,00 | -     | 30,14 |
|                       | Max              | -     | 15,00 | -     | 26,00 | -     |
| <b>M 20</b>           | Min.             | 30,00 | 14,90 | 34,00 | -     | 33,53 |
|                       | Max              | -     | 16,00 | -     | 29,00 | -     |

- Acciaio a bassa resistenza
- Classe 6S
- Carico di durezza:

79 HRB Min

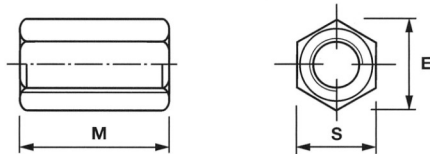
- Low tensile steel
- Class 6S steel
- Hardness load minimum:

79 HRB Min



## Dadi giunzione DIN 6334 - Uni 5535

*Coupling nuts*



- Classe 6S

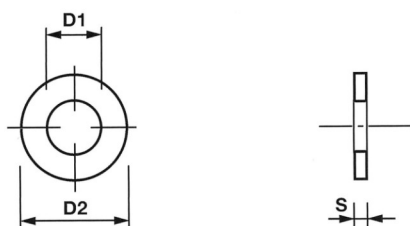
- Class 6S steel

| Diametri<br>Diameters | E<br>Min. | Min.  | M<br>Max. | S     |
|-----------------------|-----------|-------|-----------|-------|
| M5x8x20               | 8,79      | 18,75 | 21,25     | 8,00  |
| M6x10x20              | 11,05     | 18,75 | 21,25     | 10,00 |
| M6x10x30              | 11,05     | 28,75 | 31,25     | 10,00 |
| M6x10x40              | 11,05     | 38,75 | 41,25     | 10,00 |
| M8x13x20              | 14,38     | 18,75 | 21,25     | 13,00 |
| M8x13x30              | 14,38     | 28,75 | 31,25     | 13,00 |
| M8x13x40              | 14,38     | 38,75 | 41,25     | 13,00 |
| M10x17x20             | 18,90     | 18,75 | 21,25     | 17,00 |
| M10x17x30             | 18,90     | 28,75 | 31,25     | 17,00 |
| M10x17x40             | 18,90     | 38,75 | 41,25     | 17,00 |
| M12x19x30             | 21,10     | 28,75 | 31,25     | 19,00 |
| M12x19x40             | 21,10     | 38,75 | 41,25     | 19,00 |
| M14x21x30             | 23,35     | 28,75 | 31,25     | 21,00 |
| M14x21x40             | 23,35     | 38,75 | 41,25     | 21,00 |
| M16x24x30             | 26,75     | 28,75 | 31,25     | 24,00 |
| M16x24x40             | 26,75     | 38,75 | 41,25     | 24,00 |
| M16x24x50             | 26,75     | 48,75 | 51,25     | 24,00 |
| M18x27x55             | 29,56     | 53,75 | 56,25     | 27,00 |
| M20x30x50             | 32,95     | 48,75 | 51,25     | 30,00 |
| M20x30x60             | 32,95     | 58,75 | 61,25     | 30,00 |



## Rondella piana per testa esagonale DIN 125 A - Uni 6592 - Iso 7089

*Flat washers*



- Acciaio  
- Classe 100 HV

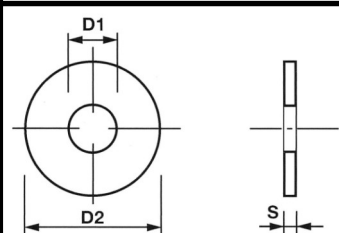
- Steel  
- Class 100 HV steel

| Diametri<br>Diameters | Limiti<br>Limits | D1    | D2    | S    |
|-----------------------|------------------|-------|-------|------|
| M 3                   | Min.             | 3,20  | 6,64  | 0,45 |
|                       | Max              | 3,38  | 7,00  | 0,55 |
| M 4                   | Min.             | 4,30  | 8,64  | 0,70 |
|                       | Max              | 4,48  | 9,00  | 0,90 |
| M 5                   | Min.             | 5,30  | 9,64  | 0,90 |
|                       | Max              | 5,48  | 10,00 | 1,10 |
| M 6                   | Min.             | 6,40  | 11,57 | 1,40 |
|                       | Max              | 6,62  | 12,00 | 1,80 |
| M 8                   | Min.             | 8,40  | 15,57 | 1,40 |
|                       | Max              | 8,62  | 16,00 | 1,80 |
| M 10                  | Min.             | 10,50 | 19,48 | 1,80 |
|                       | Max              | 10,77 | 20,00 | 2,20 |
| M 12                  | Min.             | 13,00 | 23,48 | 2,30 |
|                       | Max              | 13,27 | 24,00 | 2,70 |
| M 14                  | Min.             | 15,00 | 27,48 | 2,30 |
|                       | Max              | 15,27 | 28,00 | 2,70 |
| M 16                  | Min.             | 17,00 | 29,48 | 2,70 |
|                       | Max              | 17,27 | 30,00 | 3,30 |
| M 18                  | Min.             | 19,00 | 33,38 | 2,70 |
|                       | Max              | 19,33 | 34,00 | 3,30 |
| M 20                  | Min.             | 21,00 | 36,38 | 2,70 |
|                       | Max              | 21,33 | 37,00 | 3,30 |
| M 22                  | Min.             | 23,00 | 38,38 | 2,70 |
|                       | Max              | 23,33 | 39,00 | 3,30 |
| M 24                  | Min.             | 25,00 | 43,38 | 3,70 |
|                       | Max              | 25,33 | 44,00 | 4,30 |
| M 27                  | Min.             | 28,00 | 49,38 | 3,70 |
|                       | Max              | 28,33 | 50,00 | 4,30 |
| M 30                  | Min.             | 31,00 | 55,26 | 3,70 |
|                       | Max              | 31,39 | 56,00 | 4,30 |



## Rondella piana fascia larga 3 volte diametro DIN 9021 - Uni 6593 - Iso 7093

Extra large flat washers



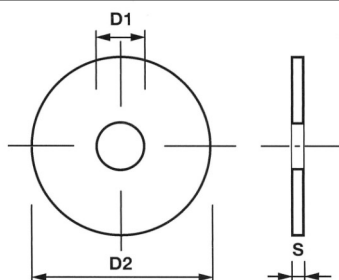
- Acciaio  
- Classe 100 HV  
  
- Steel  
- Class 100 HV steel

| Diametri<br>Diameters | Limiti<br>Limits | D1    | D2    | S    |
|-----------------------|------------------|-------|-------|------|
| <b>M 3</b>            | Min.             | 3,20  | 8,64  | 0,70 |
|                       | Max              | 3,38  | 9,00  | 0,90 |
| <b>M 4</b>            | Min.             | 4,30  | 11,57 | 0,90 |
|                       | Max              | 4,48  | 12,00 | 1,10 |
| <b>M 5</b>            | Min.             | 5,30  | 14,57 | 1,00 |
|                       | Max              | 5,48  | 15,00 | 1,40 |
| <b>M 6</b>            | Min.             | 6,40  | 17,57 | 1,40 |
|                       | Max              | 6,62  | 18,00 | 1,80 |
| <b>M 8</b>            | Min.             | 8,40  | 23,48 | 1,80 |
|                       | Max              | 8,62  | 24,00 | 2,20 |
| <b>M 10</b>           | Min.             | 10,50 | 29,48 | 2,30 |
|                       | Max              | 10,77 | 30,00 | 2,70 |
| <b>M 12</b>           | Min.             | 13,00 | 36,38 | 2,70 |
|                       | Max              | 13,27 | 37,00 | 3,30 |
| <b>M 16</b>           | Min.             | 17,00 | 49,38 | 2,70 |
|                       | Max              | 17,27 | 50,00 | 3,30 |
| <b>M 20</b>           | Min.             | 22,00 | 58,10 | 3,40 |
|                       | Max              | 22,52 | 60,00 | 4,60 |



## Rondella piana fascia larga 4 volte diametro

Extra large flat washers



- Acciaio  
- Classe 100 HV  
  
- Steel  
- Class 100 HV steel

| Diametri<br>Diameters | Limiti<br>Limits | D1    | D2    | S    |
|-----------------------|------------------|-------|-------|------|
| <b>M 5</b>            | Min.             | 5,40  | 19,48 | 1,40 |
|                       | Max              | 5,62  | 20,00 | 1,80 |
| <b>M 6</b>            | Min.             | 6,40  | 23,48 | 1,80 |
|                       | Max              | 6,62  | 24,00 | 2,20 |
| <b>M 8</b>            | Min.             | 8,40  | 31,38 | 2,30 |
|                       | Max              | 8,62  | 32,00 | 2,70 |
| <b>M 10</b>           | Min.             | 11,00 | 39,38 | 2,70 |
|                       | Max              | 11,50 | 40,00 | 3,30 |
| <b>M 12</b>           | Min.             | 13,00 | 47,38 | 3,80 |
|                       | Max              | 13,33 | 48,00 | 4,20 |
| <b>M 14</b>           | Min.             | 15,00 | 55,38 | 3,80 |
|                       | Max              | 15,33 | 56,00 | 4,20 |
| <b>M 16</b>           | Min.             | 17,00 | 63,38 | 3,80 |
|                       | Max              | 17,33 | 64,00 | 4,20 |



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