

Podkładka okrągła / Flat washers

Norma
Standart

DIN 125 A

ISO 7089

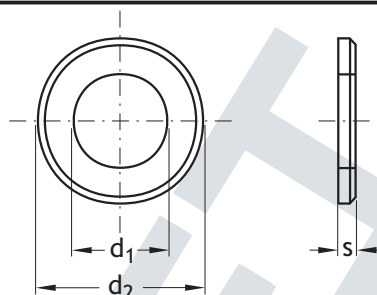
PN 82006

PN-EN ISO 4032:2004

Zakres / Range $\emptyset 2,2 \div \emptyset 104$

Zakres twardości / Hardness range - 140HV, 200HV, 300HV

Materiał / Material Stal, Stal nierdzewna, metale nieżelazne
Steel, stainless steel, non-ferrous metals



| Pod gwint / thread dia. | M 2 | M 2,5 | M 3 | M 3,5 | M 4 | M 5 | M 6 | M 7 | M 8 |
|-------------------------|-----|-------|-----|-------|-----|-----|-----|-----|-----|
| d_1 | 2,2 | 2,7 | 3,2 | 3,7 | 4,3 | 5,3 | 6,4 | 7,4 | 8,4 |
| d_2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 |
| s_{nom} | 0,3 | 0,5 | 0,5 | 0,5 | 0,8 | 1 | 1,6 | 1,6 | 1,6 |

| Pod gwint / thread dia. | M 10 | M 12 | M 14 | M 16 | M 18 | M 20 | M 22 | M 24 | M 27 |
|-------------------------|------|------|------|------|------|------|------|------|------|
| d_1 | 10,5 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 28 |
| d_2 | 20 | 24 | 28 | 30 | 34 | 37 | 39 | 44 | 50 |
| s_{nom} | 2 | 2,5 | 2,5 | 3 | 3 | 3 | 3 | 4 | 4 |

| Pod gwint / thread dia. | M 30 | M 33 | M 36 | M 39 | M 42 | M 45 | M 48 | M 52 | M 56 |
|-------------------------|------|------|------|------|------|------|------|------|------|
| d_1 | 31 | 34 | 37 | 40 | 43 | 46 | 50 | 54 | 58 |
| d_2 | 56 | 60 | 66 | 72 | 78 | 85 | 92 | 98 | 105 |
| s_{nom} | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 9 |

| Pod gwint / thread dia. | M 60 | M 64 | M 72 | M 80 | M 85 | M 90 | M 95 | M 100 | M 105 |
|-------------------------|------|------|------|------|------|------|------|-------|-------|
| d_1 | 62 | 66 | 74 | 82 | 87 | 93 | 98 | 104 | 109 |
| d_2 | 110 | 115 | 125 | 140 | 145 | 160 | 165 | 175 | 180 |
| s_{nom} | 9 | 9 | 10 | 12 | 12 | 12 | 12 | 14 | 14 |

Przykład oznaczania podkładki okrągłej o wielkości nominalnej 13 i twardości 300 HV

Podkładka DIN 125 A - 13 - 300HV

Example designation flat washer, nominal size 13 and hardness 300 HV

Washer DIN 125 A - 13 - 300HV

1/1



Podkładka okrągła / Flat washers

Norma
Standart

DIN 125 A

ISO 7089

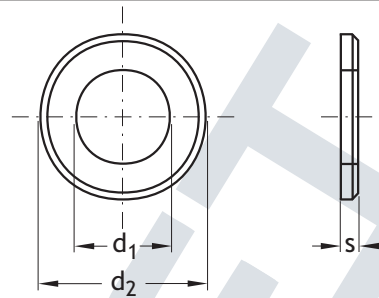
PN 82006

PN-EN ISO 4032:2004

Zakres / Range $\emptyset 2,2 \div \emptyset 104$

Zakres twardości / Hardness range - 140HV, 200HV, 300HV

Materiał / Material Stal, Stal nierdzewna, metale nieżelazne
Steel, stainless steel, non-ferrous metals



| Pod gwint / thread dia. | M 2 | M 2,5 | M 3 | M 3,5 | M 4 | M 5 | M 6 | M 7 | M 8 |
|-------------------------|-----|-------|-----|-------|-----|-----|-----|-----|-----|
| d_1 | 2,2 | 2,7 | 3,2 | 3,7 | 4,3 | 5,3 | 6,4 | 7,4 | 8,4 |
| d_2 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 16 |
| s_{nom} | 0,3 | 0,5 | 0,5 | 0,5 | 0,8 | 1 | 1,6 | 1,6 | 1,6 |

| Pod gwint / thread dia. | M 10 | M 12 | M 14 | M 16 | M 18 | M 20 | M 22 | M 24 | M 27 |
|-------------------------|------|------|------|------|------|------|------|------|------|
| d_1 | 10,5 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 28 |
| d_2 | 20 | 24 | 28 | 30 | 34 | 37 | 39 | 44 | 50 |
| s_{nom} | 2 | 2,5 | 2,5 | 3 | 3 | 3 | 3 | 4 | 4 |

| Pod gwint / thread dia. | M 30 | M 33 | M 36 | M 39 | M 42 | M 45 | M 48 | M 52 | M 56 |
|-------------------------|------|------|------|------|------|------|------|------|------|
| d_1 | 31 | 34 | 37 | 40 | 43 | 46 | 50 | 54 | 58 |
| d_2 | 56 | 60 | 66 | 72 | 78 | 85 | 92 | 98 | 105 |
| s_{nom} | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 9 |

| Pod gwint / thread dia. | M 60 | M 64 | M 72 | M 80 | M 85 | M 90 | M 95 | M 100 | M 105 |
|-------------------------|------|------|------|------|------|------|------|-------|-------|
| d_1 | 62 | 66 | 74 | 82 | 87 | 93 | 98 | 104 | 109 |
| d_2 | 110 | 115 | 125 | 140 | 145 | 160 | 165 | 175 | 180 |
| s_{nom} | 9 | 9 | 10 | 12 | 12 | 12 | 12 | 14 | 14 |

Przykład oznaczania podkładki okrągłej o wielkości nominalnej 13 i twardości 300 HV

Podkładka DIN 125 A - 13 - 300HV

Example designation flat washer, nominal size 13 and hardness 300 HV

Washer DIN 125 A - 13 - 300HV

1/1

