

| | | | | | | |
|--|--------------------|-----------------|----------------------|---------------|----------------------|-------------|
| | Catalog No. | Material | d₁ | X Form | d₂ | Type |
| | SM 1210 | GG | 200 | X A | 18 | K |



AL: Aluminium
GG: Grauguss
AL: aluminium gravity die casting
GG: cast iron



Nabe bearbeitet, Radkranz gedreht und poliert.
Hub machined. Rim turned and polished.



Form A: ohne Ballengriff / without handle
Form F: fester Ballengriff / fixed machine handle
Form D: drehbarer Ballengriff / with revolving handle
GG mit Stahlballengriff SM 1221
AL mit Kunststoffballengriff SM 1223
GG with revolving handles made of steel SM 1221
AL with revolving handles made of plastic SM 1223



Lackierte, kunststoffbeschichtete Oberfläche und andere Formen.
Painted, plastic coated and other types.



mm

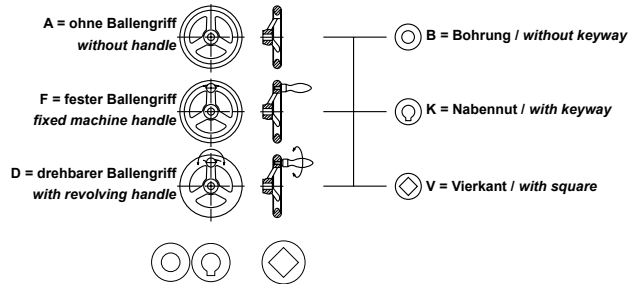


Grauguss / cast iron

| Ausführung / Type B: ohne Nabennut | | | | | | |
|------------------------------------|--|----|----|-----------|--------|--------|
| d ₁ ∅ | d ₂ H7 Bohrung / Boring without keyway ∅ | | | € Form | | |
| | | | | A | F | D |
| 080 | 10 | - | 12 | 12,37 | 17,41 | 21,89 |
| 100 | 10 | - | 12 | 14,46 | 20,13 | 24,50 |
| 125 | 12 | - | 14 | 18,68 | 24,96 | 29,11 |
| 140 | 14 | - | 16 | 21,98 | 28,63 | 32,58 |
| 160 | 14 | 15 | 16 | 23,32 | 31,43 | 35,98 |
| 180 | 16 | - | 18 | 33,79 | 42,68 | 47,17 |
| 200 | 18 | 20 | 22 | 35,73 | 45,70 | 52,36 |
| 250 | 22 | 24 | 26 | 56,05 | 70,63 | 76,60 |
| 315 | 26 | 28 | 30 | 88,89 | 104,18 | 111,48 |
| 400 | 30 | 32 | 34 | 164,61 | 180,99 | 201,29 |
| 500 | 34 | 36 | 40 | 308,19 | 324,71 | 330,55 |

| Ausführung / Type K: mit Nabennut / Type V: mit Innenvierkant | | | | | | | |
|---|---|----|----|-----------------------------|-----------|--------|--------|
| d ₁ ∅ | d ₂ H7 Bohrung / Boring with keyway ∅ | | | s H11 Vierkant Square | € Form | | |
| | | | | | A | F | D |
| 080 | 10 | - | 12 | V9 | 14,29 | 19,32 | 23,80 |
| 100 | 10 | - | 12 | V9 | 16,37 | 22,05 | 26,40 |
| 125 | 12 | - | 14 | V11 | 20,57 | 26,88 | 31,00 |
| 140 | 14 | - | 16 | - | 23,87 | 30,50 | 34,50 |
| 160 | 14 | 15 | 16 | V12 | 25,21 | 33,35 | 37,87 |
| 180 | 16 | - | 18 | - | 35,66 | 44,57 | 49,08 |
| 200 | 18 | 20 | 22 | V14 | 37,62 | 47,60 | 54,26 |
| 250 | 22 | 24 | 26 | V17 | 57,95 | 72,53 | 78,51 |
| 315 | 26 | 28 | 30 | V19 | 90,79 | 106,10 | 113,38 |
| 400 | 30 | 32 | 34 | V24 | 166,53 | 182,90 | 203,21 |
| 500 | 34 | 36 | 40 | V27 | 310,11 | 326,62 | 332,44 |

Mögliche Kombinationen:



| d ₁ ∅ | d ₂ H7 Nabennut Keyway Bohrung Boring ∅ | s H11 Vierkant Square | d ₃ ∅ | b | l ₁ | l ₂ ~ | ∅ Ballengr. Handle | Zahl d. Speichen Number of spokes | GG ~ kg | AL ~ kg | | |
|---------------------|---|-----------------------------|---------------------|-----|----------------|---------------------|--------------------------|--|------------|------------|--------|-------|
| 080 | 10 | - | 12 | V9 | 24 | 14 | 16 | 29 | 16 | 3 | 0,360 | 0,123 |
| 100 | 10 | - | 12 | V9 | 26 | 15 | 17 | 33 | | | 0,500 | 0,170 |
| 125 | 12 | - | 14 | V11 | 28 | 16 | 18 | 36 | 20 | | 0,750 | 0,250 |
| 140 | 14 | - | 16 | - | 30 | 17 | 19 | 39 | | | 0,940 | 0,320 |
| 160 | 14 | 15 | 16 | V12 | 33 | 18 | 20 | 40 | 25 | | 1,200 | 0,439 |
| 180 | 16 | - | 18 | - | 35 | 20 | 22 | 43 | | | 1,950 | 0,643 |
| 200 | 18 | 20 | 22 | V14 | 38 | 22 | 24 | 45 | | | 2,000 | 0,850 |
| 250 | 22 | 24 | 26 | V17 | 48 | 26 | 28 | 50 | 32 | 5 | 3,800 | 1,250 |
| 315 | 26 | 28 | 30 | V19 | 53 | 28 | 33 | 56 | | | 5,800 | 1,900 |
| 400 | 30 | 32 | 34 | V24 | 65 | 32 | 38 | 63 | | | 9,500 | 2,400 |
| 500 | 34 | 36 | 40 | V27 | 78 | 34 | 45 | 72 | | | 15,000 | 5,470 |

Aluminium / aluminium gravity die casting

| Ausführung / Type B: ohne Nabennut | | | | | | |
|------------------------------------|--|----|----|-----------|--------|--------|
| d ₁ ∅ | d ₂ H7 Bohrung / Boring without keyway ∅ | | | € Form | | |
| | | | | A | F | D |
| 080 | 10 | - | 12 | 9,25 | 13,09 | 16,37 |
| 100 | 10 | - | 12 | 10,69 | 15,31 | 17,93 |
| 125 | 12 | - | 14 | 13,51 | 19,04 | 21,89 |
| 140 | 14 | - | 16 | 15,26 | 21,48 | 22,07 |
| 160 | 14 | 15 | 16 | 17,77 | 24,83 | 28,43 |
| 180 | 16 | - | 18 | 21,79 | 30,19 | 34,11 |
| 200 | 18 | 20 | 22 | 28,17 | 36,74 | 40,86 |
| 250 | 22 | 24 | 26 | 43,77 | 55,41 | 60,52 |
| 315 | 26 | 28 | 30 | 71,85 | 87,58 | 92,85 |
| 400 | 30 | 32 | 34 | 130,25 | 147,04 | 155,43 |
| 500 | 34 | 36 | 40 | 226,97 | 247,19 | 256,56 |

| Ausführung / Type K: mit Nabennut / Type V: mit Innenvierkant | | | | | | | |
|---|---|----|----|-----------------------------|-----------|--------|--------|
| d ₁ ∅ | d ₂ H7 Bohrung / Boring with keyway ∅ | | | s H11 Vierkant Square | € Form | | |
| | | | | | A | F | D |
| 080 | 10 | - | 12 | V9 | 11,15 | 14,99 | 18,27 |
| 100 | 10 | - | 12 | V9 | 12,59 | 17,21 | 19,85 |
| 125 | 12 | - | 14 | V11 | 15,39 | 20,94 | 23,80 |
| 140 | 14 | - | 16 | - | 17,17 | 23,39 | 23,95 |
| 160 | 14 | 15 | 16 | V12 | 19,67 | 26,70 | 30,37 |
| 180 | 16 | - | 18 | - | 23,68 | 32,10 | 36,03 |
| 200 | 18 | 20 | 22 | V14 | 30,91 | 38,62 | 42,74 |
| 250 | 22 | 24 | 26 | V17 | 45,65 | 57,32 | 62,41 |
| 315 | 26 | 28 | 30 | V19 | 73,76 | 89,50 | 94,33 |
| 400 | 30 | 32 | 34 | V24 | 132,16 | 148,94 | 157,31 |
| 500 | 34 | 36 | 40 | V27 | 228,87 | 249,09 | 258,47 |