

Socket-head screw **DIN 912**



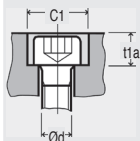
CHC

Steel quality class 12.9

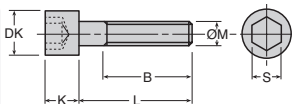
- **Conforms to ISO 4762 and DIN 912**
- Screw quality class 12.9
- Material: Hardened steel 39-44 HRC (oil-hardened)
- Tensile strength: 1220N/mm²
- Elastic limit: 1100N/mm²
- Shear strength: 732N/mm²
- Max. locking torque:
CHC3 = 2 Nm, CHC4 = 4.6 Nm,
CHC5 = 9 Nm, CHC6 = 15.7 Nm
- **Sold by the packet**



Designer's Note



| Nominal diameter d | Cylindrical screw | | |
|-----------------------|-------------------|------|------|
| | C1 | t1a | t1b |
| | min. | min. | min. |
| M1,6 | 5 | 1,7 | 1,2 |
| M2 | 6 | 2,1 | 1,5 |
| M2,5 | 7 | 2,7 | 1,8 |
| M3 | 8 | 3,2 | 2,1 |
| M4 | 10 | 4,2 | 3,0 |
| M5 | 11 | 5,3 | 3,7 |
| M6 | 13 | 6,3 | 4,2 |
| M8 | 18 | 8,4 | 5,3 |
| M10 | 20 | 10,5 | 6,3 |
| M12 | 22 | 12,6 | 7,4 |



DISCOUNTS

| No. packets | 1+ | 6+ | 20+ | 50+ |
|-------------|-----------|------|------------|-----|
| Discounts | List -10% | -20% | On request | |

| Part number | Thread ØM | Total length L | Pitch | B | DK | K | S | Qty per packet | Stock* | Price per packet |
|-------------|--------------|-------------------|-------|----|------|------|------|-------------------|--------|---------------------|
| CHC1.6-4/B | M1,6 | 4 | 0,35 | 4 | 3,00 | 1,60 | 1,50 | 200 | - | 83,11 € |
| CHC1.6-6/B | M1,6 | 6 | 0,35 | 6 | 3,00 | 1,60 | 1,50 | 200 | ✓ | 83,11 € |
| CHC2-4/B | M2 | 4 | 0,40 | 4 | 3,80 | 2,00 | 1,50 | 200 | ✓ | 26,47 € |
| CHC2-5/B | M2 | 5 | 0,40 | 5 | 3,80 | 2,00 | 1,50 | 200 | - | 26,47 € |
| CHC2-6/B | M2 | 6 | 0,40 | 6 | 3,80 | 2,00 | 1,50 | 200 | ✓ | 26,47 € |
| CHC2-8/B | M2 | 8 | 0,40 | 8 | 3,80 | 2,00 | 1,50 | 200 | ✓ | 26,38 € |
| CHC2-10/B | M2 | 10 | 0,40 | 10 | 3,80 | 2,00 | 1,50 | 200 | ✓ | 26,82 € |
| CHC2-12/B | M2 | 12 | 0,40 | 12 | 3,80 | 2,00 | 1,50 | 200 | ✓ | 27,67 € |
| CHC2.5-5/B | M2,5 | 5 | 0,45 | 5 | 4,50 | 2,50 | 2,00 | 200 | - | 25,04 € |
| CHC2.5-6/B | M2,5 | 6 | 0,45 | 6 | 4,50 | 2,50 | 2,00 | 200 | ✓ | 24,97 € |
| CHC2.5-8/B | M2,5 | 8 | 0,45 | 8 | 4,50 | 2,50 | 2,00 | 200 | - | 26,74 € |
| CHC2.5-10/B | M2,5 | 10 | 0,45 | 10 | 4,50 | 2,50 | 2,00 | 200 | ✓ | 28,44 € |
| CHC2.5-12/B | M2,5 | 12 | 0,45 | 12 | 4,50 | 2,50 | 2,00 | 200 | ✓ | 30,61 € |
| CHC3-6/B | M3 | 6 | 0,50 | 6 | 5,68 | 3,00 | 2,50 | 200 | ✓ | 15,61 € |
| CHC3-8/B | M3 | 8 | 0,50 | 8 | 5,68 | 3,00 | 2,50 | 200 | ✓ | 12,75 € |
| CHC3-10/B | M3 | 10 | 0,50 | 10 | 5,68 | 3,00 | 2,50 | 200 | ✓ | 9,78 € |
| CHC3-12/B | M3 | 12 | 0,50 | 12 | 5,68 | 3,00 | 2,50 | 200 | ✓ | 9,97 € |
| CHC3-16/B | M3 | 16 | 0,50 | 16 | 5,68 | 3,00 | 2,50 | 200 | ✓ | 11,24 € |
| CHC3-20/B | M3 | 20 | 0,50 | 20 | 5,68 | 3,00 | 2,50 | 200 | ✓ | 11,41 € |
| CHC3-25/B | M3 | 25 | 0,50 | 25 | 5,68 | 3,00 | 2,50 | 200 | - | 12,75 € |
| CHC3-30/B | M3 | 30 | 0,50 | 30 | 5,68 | 3,00 | 2,50 | 200 | ✓ | 14,32 € |
| CHC3-35/B | M3 | 35 | 0,50 | 35 | 5,68 | 3,00 | 2,50 | 200 | - | 102,07 € |

*Depending on availability

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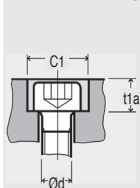
| Part number | Thread ØM | Total length L | Pitch | B | DK | K | S | Qty per packet | Stock* | Price per packet |
|-------------|--------------|-------------------|-------|----|-------|---|---|-------------------|--------|---------------------|
| CHC4-6/B | M4 | 6 | 0,70 | 6 | 7,22 | 4 | 3 | 200 | - | 17,91 € |
| CHC4-8/B | M4 | 8 | 0,70 | 8 | 7,22 | 4 | 3 | 200 | ✓ | 17,91 € |
| CHC4-10/B | M4 | 10 | 0,70 | 10 | 7,22 | 4 | 3 | 200 | ✓ | 12,60 € |
| CHC4-12/B | M4 | 12 | 0,70 | 12 | 7,22 | 4 | 3 | 200 | ✓ | 12,91 € |
| CHC4-14/B | M4 | 14 | 0,70 | 14 | 7,22 | 4 | 3 | 200 | - | 16,46 € |
| CHC4-16/B | M4 | 16 | 0,70 | 16 | 7,22 | 4 | 3 | 200 | ✓ | 11,16 € |
| CHC4-20/B | M4 | 20 | 0,70 | 20 | 7,22 | 4 | 3 | 200 | ✓ | 12,60 € |
| CHC4-25/B | M4 | 25 | 0,70 | 25 | 7,22 | 4 | 3 | 200 | ✓ | 14,59 € |
| CHC4-30/B | M4 | 30 | 0,70 | 20 | 7,22 | 4 | 3 | 200 | ✓ | 15,82 € |
| CHC4-35/B | M4 | 35 | 0,70 | 20 | 7,22 | 4 | 3 | 200 | ✓ | 18,95 € |
| CHC4-40/B | M4 | 40 | 0,70 | 20 | 7,22 | 4 | 3 | 200 | ✓ | 21,34 € |
| CHC4-45/B | M4 | 45 | 0,70 | 20 | 7,22 | 4 | 3 | 200 | - | 25,46 € |
| CHC4-50/B | M4 | 50 | 0,70 | 20 | 7,22 | 4 | 3 | 200 | ✓ | 25,46 € |
| CHC5-8/B | M5 | 8 | 0,80 | 8 | 8,72 | 5 | 4 | 200 | ✓ | 15,34 € |
| CHC5-10/B | M5 | 10 | 0,80 | 10 | 8,72 | 5 | 4 | 200 | ✓ | 14,59 € |
| CHC5-12/B | M5 | 12 | 0,80 | 12 | 8,72 | 5 | 4 | 200 | ✓ | 13,46 € |
| CHC5-16/B | M5 | 16 | 0,80 | 16 | 8,72 | 5 | 4 | 200 | ✓ | 11,77 € |
| CHC5-18/B | M5 | 18 | 0,80 | 18 | 8,72 | 5 | 4 | 200 | - | 14,40 € |
| CHC5-20/B | M5 | 20 | 0,80 | 20 | 8,72 | 5 | 4 | 200 | ✓ | 14,40 € |
| CHC5-25/B | M5 | 25 | 0,80 | 20 | 8,72 | 5 | 4 | 200 | ✓ | 14,32 € |
| CHC5-30/B | M5 | 30 | 0,80 | 22 | 8,72 | 5 | 4 | 200 | ✓ | 15,42 € |
| CHC5-35/B | M5 | 35 | 0,80 | 22 | 8,72 | 5 | 4 | 100 | ✓ | 8,10 € |
| CHC5-40/B | M5 | 40 | 0,80 | 22 | 8,72 | 5 | 4 | 100 | ✓ | 9,19 € |
| CHC5-45/B | M5 | 45 | 0,80 | 22 | 8,72 | 5 | 4 | 100 | - | 10,79 € |
| CHC5-50/B | M5 | 50 | 0,80 | 22 | 8,72 | 5 | 4 | 100 | ✓ | 12,79 € |
| CHC5-55/B | M5 | 55 | 0,80 | 22 | 8,72 | 5 | 4 | 100 | - | 16,55 € |
| CHC5-60/B | M5 | 60 | 0,80 | 22 | 8,72 | 5 | 4 | 100 | - | 18,98 € |
| CHC5-70/B | M5 | 70 | 0,80 | 22 | 8,72 | 5 | 4 | 100 | - | 50,67 € |
| CHC6-8/B | M6 | 8 | 1,00 | 8 | 10,22 | 6 | 5 | 200 | ✓ | 25,46 € |
| CHC6-10/B | M6 | 10 | 1,00 | 10 | 10,22 | 6 | 5 | 200 | ✓ | 19,87 € |
| CHC6-12/B | M6 | 12 | 1,00 | 12 | 10,22 | 6 | 5 | 200 | ✓ | 18,43 € |
| CHC6-14/B | M6 | 14 | 1,00 | 14 | 10,22 | 6 | 5 | 200 | - | 20,72 € |
| CHC6-16/B | M6 | 16 | 1,00 | 16 | 10,22 | 6 | 5 | 200 | ✓ | 14,08 € |
| CHC6-18/B | M6 | 18 | 1,00 | 18 | 10,22 | 6 | 5 | 200 | - | 21,48 € |
| CHC6-20/B | M6 | 20 | 1,00 | 20 | 10,22 | 6 | 5 | 200 | ✓ | 14,59 € |
| CHC6-25/B | M6 | 25 | 1,00 | 25 | 10,22 | 6 | 5 | 200 | ✓ | 15,42 € |
| CHC6-30/B | M6 | 30 | 1,00 | 35 | 10,22 | 6 | 5 | 200 | ✓ | 16,26 € |
| CHC6-35/B | M6 | 35 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | ✓ | 10,07 € |
| CHC6-40/B | M6 | 40 | 1,00 | 24 | 10,22 | 6 | 5 | 200 | ✓ | 21,34 € |
| CHC6-45/B | M6 | 45 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 12,11 € |
| CHC6-50/B | M6 | 50 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 12,52 € |
| CHC6-55/B | M6 | 55 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 16,03 € |
| CHC6-60/B | M6 | 60 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 17,39 € |
| CHC6-65/B | M6 | 65 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 20,32 € |
| CHC6-70/B | M6 | 70 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 20,32 € |
| CHC6-80/B | M6 | 80 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 25,21 € |
| CHC6-90/B | M6 | 90 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 40,52 € |
| CHC6-100/B | M6 | 100 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 44,81 € |
| CHC6-110/B | M6 | 110 | 1,00 | 24 | 10,22 | 6 | 5 | 100 | - | 65,20 € |

*Depending on availability

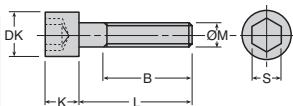
- **Conforms to ISO 4762 and DIN 912**
- Screw quality class 12.9
- Material: Hardened steel 39-44 HRC (oil-hardened)
- Tensile strength: 1220N/mm²
- Elastic limit: 1100N/mm²
- Shear strength: 732N/mm²
- Max. locking torque:
CHC3 = 2 Nm, CHC4 = 4.6 Nm,
CHC5 = 9 Nm, CHC6 = 15.7 Nm
- **Sold by the packet**



Designer's Note



| Nominal diameter d | Cylindrical screw | | |
|-----------------------|-------------------|------|------|
| | C1 | t1a | t1b |
| | min. | min. | min. |
| M1,6 | 5 | 1,7 | 1,2 |
| M2 | 6 | 2,1 | 1,5 |
| M2,5 | 7 | 2,7 | 1,8 |
| M3 | 8 | 3,2 | 2,1 |
| M4 | 10 | 4,2 | 3,0 |
| M5 | 11 | 5,3 | 3,7 |
| M6 | 13 | 6,3 | 4,2 |
| M8 | 18 | 8,4 | 5,3 |
| M10 | 20 | 10,5 | 6,3 |
| M12 | 22 | 12,6 | 7,4 |



DISCOUNTS

| No. packets | 1+ | 6+ | 20+ | 50+ |
|-------------|-----------|------|------------|-----|
| Discounts | List -10% | -20% | On request | |

| Part number | Thread | Total length L | Pitch | B | DK | K | S | Qty per packet | Stock* | Price per packet |
|-------------|--------|----------------|-------|----|-------|---|---|----------------|--------|------------------|
| CHC8-12/B | M8 | 12 | 1,25 | 12 | 13,27 | 8 | 6 | 200 | - | 30,77 € |
| CHC8-14/B | M8 | 14 | 1,25 | 14 | 13,27 | 8 | 6 | 200 | - | 28,83 € |
| CHC8-16/B | M8 | 16 | 1,25 | 16 | 13,27 | 8 | 6 | 200 | ✓ | 22,88 € |
| CHC8-18/B | M8 | 18 | 1,25 | 18 | 13,27 | 8 | 6 | 200 | - | 28,83 € |
| CHC8-20/B | M8 | 20 | 1,25 | 20 | 13,27 | 8 | 6 | 200 | ✓ | 23,39 € |
| CHC8-22/B | M8 | 22 | 1,25 | 22 | 13,27 | 8 | 6 | 200 | - | 129,87 € |
| CHC8-25/B | M8 | 25 | 1,25 | 25 | 13,27 | 8 | 6 | 200 | ✓ | 25,69 € |
| CHC8-30/B | M8 | 30 | 1,25 | 30 | 13,27 | 8 | 6 | 200 | ✓ | 28,11 € |
| CHC8-35/B | M8 | 35 | 1,25 | 35 | 13,27 | 8 | 6 | 100 | ✓ | 15,92 € |
| CHC8-40/B | M8 | 40 | 1,25 | 28 | 13,27 | 8 | 6 | 100 | ✓ | 17,41 € |
| CHC8-45/B | M8 | 45 | 1,25 | 28 | 13,27 | 8 | 6 | 100 | - | 19,41 € |
| CHC8-50/B | M8 | 50 | 1,25 | 28 | 13,27 | 8 | 6 | 100 | ✓ | 19,35 € |
| CHC8-55/B | M8 | 55 | 1,25 | 28 | 13,27 | 8 | 6 | 100 | - | 23,14 € |
| CHC8-60/B | M8 | 60 | 1,25 | 28 | 13,27 | 8 | 6 | 100 | ✓ | 24,77 € |
| CHC8-65/B | M8 | 65 | 1,25 | 28 | 13,27 | 8 | 6 | 100 | - | 33,11 € |
| CHC8-70/B | M8 | 70 | 1,25 | 28 | 13,27 | 8 | 6 | 100 | - | 33,19 € |
| CHC8-80/B | M8 | 80 | 1,25 | 28 | 13,27 | 8 | 6 | 100 | - | 39,55 € |
| CHC8-90/B | M8 | 90 | 1,25 | 28 | 13,27 | 8 | 6 | 50 | - | 20,86 € |
| CHC8-100/B | M8 | 100 | 1,25 | 28 | 13,27 | 8 | 6 | 50 | - | 24,07 € |
| CHC8-110/B | M8 | 110 | 1,25 | 28 | 13,27 | 8 | 6 | 50 | - | 58,09 € |
| CHC8-120/B | M8 | 120 | 1,25 | 28 | 13,27 | 8 | 6 | 50 | - | 64,22 € |
| CHC8-130/B | M8 | 130 | 1,25 | 28 | 13,27 | 8 | 6 | 50 | - | 70,40 € |
| CHC8-140/B | M8 | 140 | 1,25 | 28 | 13,27 | 8 | 6 | 50 | - | 83,96 € |
| CHC8-150/B | M8 | 150 | 1,25 | 28 | 13,27 | 8 | 6 | 50 | - | 95,27 € |

*Depending on availability

| Part number | Thread ØM | Total length L | Pitch | B | DK | K | S | Qty per packet | Stock | Price per packet |
|-------------|--------------|-------------------|-------|----|-------|----|----|-------------------|-------|---------------------|
| CHC10-16/B | M10 | 16 | 1,50 | 16 | 16,27 | 10 | 8 | 100 | - | 24,57 € |
| CHC10-18/B | M10 | 18 | 1,50 | 18 | 16,27 | 10 | 8 | 100 | - | 79,50 € |
| CHC10-20/B | M10 | 20 | 1,50 | 20 | 16,27 | 10 | 8 | 100 | - | 21,94 € |
| CHC10-22/B | M10 | 22 | 1,50 | 22 | 16,27 | 10 | 8 | 100 | - | 79,50 € |
| CHC10-25/B | M10 | 25 | 1,50 | 25 | 16,27 | 10 | 8 | 100 | - | 23,46 € |
| CHC10-30/B | M10 | 30 | 1,50 | 30 | 16,27 | 10 | 8 | 100 | ✓ | 24,77 € |
| CHC10-35/B | M10 | 35 | 1,50 | 35 | 16,27 | 10 | 8 | 100 | - | 27,08 € |
| CHC10-40/B | M10 | 40 | 1,50 | 40 | 16,27 | 10 | 8 | 100 | - | 29,07 € |
| CHC10-45/B | M10 | 45 | 1,50 | 32 | 16,27 | 10 | 8 | 100 | - | 32,29 € |
| CHC10-50/B | M10 | 50 | 1,50 | 32 | 16,27 | 10 | 8 | 100 | ✓ | 30,57 € |
| CHC10-55/B | M10 | 55 | 1,50 | 32 | 16,27 | 10 | 8 | 100 | - | 38,71 € |
| CHC10-60/B | M10 | 60 | 1,50 | 32 | 16,27 | 10 | 8 | 100 | - | 41,70 € |
| CHC10-65/B | M10 | 65 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 23,88 € |
| CHC10-70/B | M10 | 70 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 23,92 € |
| CHC10-80/B | M10 | 80 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 26,82 € |
| CHC10-90/B | M10 | 90 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 33,94 € |
| CHC10-100/B | M10 | 100 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 39,66 € |
| CHC10-110/B | M10 | 110 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 42,22 € |
| CHC10-120/B | M10 | 120 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 47,73 € |
| CHC10-130/B | M10 | 130 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 71,82 € |
| CHC10-140/B | M10 | 140 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 87,86 € |
| CHC10-150/B | M10 | 150 | 1,50 | 32 | 16,27 | 10 | 8 | 50 | - | 149,10 € |
| CHC10-160/B | M10 | 160 | 1,50 | 32 | 16,27 | 10 | 8 | 25 | - | 123,25 € |
| CHC10-180/B | M10 | 180 | 1,50 | 32 | 16,27 | 10 | 8 | 25 | - | 163,76 € |
| CHC10-200/B | M10 | 200 | 1,50 | 32 | 16,27 | 10 | 8 | 25 | - | 257,08 € |
| CHC12-20/B | M12 | 20 | 1,75 | 20 | 18,27 | 12 | 10 | 50 | - | 19,35 € |
| CHC12-25/B | M12 | 25 | 1,75 | 25 | 18,27 | 12 | 10 | 50 | - | 16,17 € |
| CHC12-30/B | M12 | 30 | 1,75 | 30 | 18,27 | 12 | 10 | 50 | ✓ | 17,39 € |
| CHC12-35/B | M12 | 35 | 1,75 | 35 | 18,27 | 12 | 10 | 50 | - | 18,95 € |
| CHC12-40/B | M12 | 40 | 1,75 | 40 | 18,27 | 12 | 10 | 50 | - | 20,38 € |
| CHC12-45/B | M12 | 45 | 1,75 | 45 | 18,27 | 12 | 10 | 50 | - | 22,28 € |
| CHC12-50/B | M12 | 50 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 24,22 € |
| CHC12-55/B | M12 | 55 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 26,70 € |
| CHC12-60/B | M12 | 60 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | ✓ | 28,78 € |
| CHC12-65/B | M12 | 65 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 32,71 € |
| CHC12-70/B | M12 | 70 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 32,71 € |
| CHC12-80/B | M12 | 80 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 36,81 € |
| CHC12-90/B | M12 | 90 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 42,22 € |
| CHC12-100/B | M12 | 100 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 49,10 € |
| CHC12-110/B | M12 | 110 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 54,61 € |
| CHC12-120/B | M12 | 120 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 61,90 € |
| CHC12-130/B | M12 | 130 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 99,32 € |
| CHC12-140/B | M12 | 140 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 106,60 € |
| CHC12-150/B | M12 | 150 | 1,75 | 36 | 18,27 | 12 | 10 | 50 | - | 152,61 € |
| CHC12-160/B | M12 | 160 | 1,75 | 36 | 18,27 | 12 | 10 | 25 | - | 100,11 € |
| CHC12-180/B | M12 | 180 | 1,75 | 36 | 18,27 | 12 | 10 | 25 | - | 152,49 € |
| CHC12-200/B | M12 | 200 | 1,75 | 36 | 18,27 | 12 | 10 | 25 | - | 171,58 € |

*Depending on availability