

Tkn HSS steel hand reamer with cylindrical shank DIN 206-B

HSS steel hand reamer with cylindrical shank HSS, left helical edges 7°, for bores drilling in tolerance H7.

For machining of alloyed and unalloyed steel.



| Code | € | Ø (mm) | Edges length (mm) | Overall length (mm) | Pulling framework (mm) |
|------------|---|--------|-------------------|---------------------|------------------------|
| A150200200 | ◆ | 2 | 25 | 50 | 1,6 |
| A150200250 | ◆ | 2,5 | 29 | 58 | 2,1 |
| A150200300 | ◆ | 3 | 31 | 62 | 2,4 |
| A150200350 | ◆ | 3,5 | 35 | 71 | 2,7 |
| A150200400 | ◆ | 4 | 38 | 76 | 3 |
| A150200450 | ◆ | 4,5 | 41 | 81 | 3,4 |
| A150200500 | ◆ | 5 | 44 | 87 | 3,8 |
| A150200600 | ◆ | 6 | 47 | 93 | 4,9 |
| A150200700 | ◆ | 7 | 54 | 107 | 5,5 |
| A150200800 | ◆ | 8 | 58 | 115 | 6,2 |
| A150200900 | ◆ | 9 | 62 | 124 | 7 |



| Code | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |
|--------|---|---|---|---|---|---|---|---|
| A15020 | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |

| Code | € | Ø (mm) | Edges length (mm) | Overall length (mm) | Pulling framework (mm) |
|------------|---|--------|-------------------|---------------------|------------------------|
| A150201000 | ◆ | 10 | 66 | 133 | 8 |
| A150201100 | ◆ | 11 | 71 | 142 | 9 |
| A150201200 | ◆ | 12 | 76 | 152 | 9 |
| A150201300 | ◆ | 13 | 76 | 152 | 10 |
| A150201400 | ◆ | 14 | 81 | 163 | 11 |
| A150201500 | ◆ | 15 | 81 | 163 | 12 |
| A150201600 | ◆ | 16 | 87 | 175 | 12 |
| A150201700 | ◆ | 17 | 87 | 175 | 13 |
| A150201800 | ◆ | 18 | 93 | 188 | 14,5 |
| A150202000 | ◆ | 20 | 100 | 201 | 16 |

format Reamer with straight shank HSS DIN 206-B

HSS steel hand reamer with cylindrical shank HSS, left helical edges 7°, for bores drilling in tolerance H7.

For machining of alloyed and unalloyed steel.



| Code | € | Ø (mm) | Edges length (mm) | Overall length (mm) | Pulling framework (mm) |
|------------|---|--------|-------------------|---------------------|------------------------|
| A155000200 | ◇ | 2 | 25 | 50 | 1,6 |
| A155000250 | ◇ | 2,5 | 29 | 58 | 2,1 |
| A155000300 | ◇ | 3 | 31 | 62 | 2,1 |
| A155000350 | ◇ | 3,5 | 35 | 71 | 2,7 |
| A155000400 | ◇ | 4 | 38 | 76 | 3 |
| A155000450 | ◇ | 4,5 | 41 | 81 | 3,4 |
| A155000500 | ◇ | 5 | 44 | 87 | 3,8 |
| A155000550 | ◇ | 5,5 | 47 | 93 | 4,3 |
| A155000600 | ◇ | 6 | 47 | 93 | 4,3 |
| A155000650 | ◇ | 6,5 | 50 | 100 | 4,9 |
| A155000700 | ◇ | 7 | 54 | 107 | 5,5 |
| A155000750 | ◇ | 7,5 | 54 | 107 | 5,5 |
| A155000800 | ◇ | 8 | 58 | 115 | 6,2 |
| A155000850 | ◇ | 8,5 | 58 | 115 | 6,2 |
| A155000900 | ◇ | 9 | 62 | 124 | 7 |
| A155000950 | ◇ | 9,5 | 62 | 124 | 7 |
| A155001000 | ◇ | 10 | 66 | 133 | 8 |
| A155001100 | ◇ | 11 | 71 | 142 | 9 |
| A155001200 | ◇ | 12 | 76 | 152 | 10 |
| A155001300 | ◇ | 13 | 76 | 152 | 10 |



| Code | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |
|--------|---|---|---|---|---|---|---|---|
| A15500 | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |

| Code | € | Ø (mm) | Edges length (mm) | Overall length (mm) | Pulling framework (mm) |
|------------|---|--------|-------------------|---------------------|------------------------|
| A155001400 | ◇ | 14 | 81 | 163 | 11 |
| A155001500 | ◇ | 15 | 81 | 163 | 11 |
| A155001600 | ◇ | 16 | 87 | 175 | 12 |
| A155001700 | ◇ | 17 | 87 | 175 | 12 |
| A155001800 | ◇ | 18 | 93 | 188 | 14,5 |
| A155001900 | ◇ | 19 | 93 | 188 | 14,5 |
| A155002000 | ◇ | 20 | 100 | 201 | 16 |
| A155002200 | ◇ | 22 | 107 | 215 | 18 |
| A155002400 | ◇ | 24 | 115 | 231 | 20 |
| A155002500 | ◇ | 25 | 115 | 231 | 20 |
| A155002600 | ◇ | 26 | 115 | 231 | 20 |
| A155002800 | ◇ | 28 | 124 | 247 | 22 |
| A155003000 | ◇ | 30 | 124 | 247 | 22 |
| A155003200 | ◇ | 32 | 133 | 265 | 24 |
| A155003400 | ◇ | 34 | 142 | 284 | 26 |
| A155003500 | ◇ | 35 | 142 | 284 | 29 |
| A155003600 | ◇ | 36 | 142 | 284 | 24 |
| A155003800 | ◇ | 38 | 152 | 305 | 29 |
| A155004000 | ◇ | 40 | 152 | 305 | 32 |

format Hand reamer with HSS cylindrical shank for taper pins

Hand reamer with HSS cylindrical shank, for tapered pins, left helix approx. 7° with taper 1:50, for hand boring of tapered bores for tapered pins pursuant to DIN 1, 258, 1447, 7977 and 7978.

For machining of alloy and non-alloy steels.



| Code | € | Ø (mm) | Lowest Ø (mm) | Highest Ø (mm) | Edges length (mm) | Overall length (mm) | Pulling framework (mm) |
|------------|---|--------|---------------|----------------|-------------------|---------------------|------------------------|
| A155080300 | ◇ | 3 | 2,9 | 4,06 | 58 | 80 | 3 |
| A155080400 | ◇ | 4 | 3,9 | 5,26 | 68 | 93 | 3,8 |
| A155080500 | ◇ | 5 | 4,9 | 6,36 | 73 | 100 | 4,9 |
| A155080600 | ◇ | 6 | 5,9 | 8 | 105 | 135 | 6,2 |



| Code | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |
|--------|---|---|---|---|---|---|---|---|
| A15508 | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |



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| Code | € | Ø (mm) | Lowest Ø (mm) | Highest Ø (mm) | Edges length (mm) | Overall length (mm) | Pulling framework (mm) |
|------------|---|--------|---------------|----------------|-------------------|---------------------|------------------------|
| A155080800 | ◇ | 8 | 7,9 | 10,8 | 145 | 180 | 8 |
| A155081000 | ◇ | 10 | 9,9 | 13,4 | 175 | 215 | 10 |
| A155081200 | ◇ | 12 | 11,8 | 16 | 210 | 255 | 11 |
| A155081300 | ◇ | 13 | 12,8 | 17 | 210 | 255 | 12 |
| A155081400 | ◇ | 14 | 13,8 | 18 | 210 | 255 | 12 |
| A155081600 | ◇ | 16 | 15,8 | 20,4 | 230 | 280 | 14,5 |
| A155082000 | ◇ | 20 | 19,8 | 24,8 | 250 | 310 | 18 |

Tkn HSS-E machine reamer with cylindrical shank DIN 212 B / D



HSS-E machine reamer with cylindrical shank, left helical edges 7°, right cut, short inlet, for bores drilling in tolerance H7, DIN 212 -B (up to diameter 3,5 mm), DIN 212-D (from diameter 4 mm).

For machining of alloy and non-alloy steels, aluminum alloys.



| Codice | Acciaio <850 N/mm² | Acciaio >850 <1000 N/mm² | Acciaio >1000 <1400 N/mm² | Acciaio INOX | Leghe di Titanio | Ghisa | Alluminio e leghe | Rame Ottone Bronzo |
|------------|--------------------|--------------------------|---------------------------|--------------|------------------|-------|-------------------|--------------------|
| A15100 | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |
| Vc (m/min) | 10 | 8 | 5 | 4 | 4 | 6 | 18 | 12 |

| Code | € | Ø (mm) | Edges length (mm) | Overall length (mm) | Ø shank h9 (mm) |
|------------|---|--------|-------------------|---------------------|-----------------|
| A151000200 | ◇ | 2 | 11 | 49 | 2 |
| A151000250 | ◇ | 2,5 | 14 | 57 | 2,5 |
| A151000300 | ◇ | 3 | 15 | 61 | 3 |
| A151000350 | ◇ | 3,5 | 18 | 70 | 3,5 |
| A151000400 | ◇ | 4 | 19 | 75 | 4 |
| A151000450 | ◇ | 4,5 | 21 | 80 | 4,5 |
| A151000500 | ◇ | 5 | 23 | 86 | 5 |
| A151000550 | ◇ | 5,5 | 26 | 93 | 5,6 |
| A151000600 | ◇ | 6 | 26 | 93 | 5,6 |
| A151000650 | ◇ | 6,5 | 28 | 101 | 6,3 |

| Code | € | Ø (mm) | Edges length (mm) | Overall length (mm) | Ø shank h9 (mm) |
|------------|---|--------|-------------------|---------------------|-----------------|
| A151000700 | ◇ | 7 | 31 | 109 | 7,1 |
| A151000800 | ◇ | 8 | 33 | 117 | 8 |
| A151000900 | ◇ | 9 | 36 | 125 | 9 |
| A151001000 | ◇ | 10 | 38 | 133 | 10 |
| A151001100 | ◇ | 11 | 41 | 142 | 10 |
| A151001200 | ◇ | 12 | 44 | 151 | 10 |
| A151001300 | ◇ | 13 | 44 | 151 | 10 |
| A151001400 | ◇ | 14 | 47 | 160 | 12,5 |
| A151001500 | ◇ | 15 | 50 | 162 | 12,5 |
| A151001600 | ◇ | 16 | 52 | 170 | 12,5 |

format Machine reamer with HSS-E cylindrical shank, DIN 212-B/D



HSS-E machine reamer with cylindrical shank, left helical edges 7°, right cut, short inlet, for bores drilling in tolerance H7, DIN 212 -B (up to diameter 3,5 mm), DIN 212-D (from diameter 4 mm).

For machining of alloy and non-alloy steels, aluminum alloys.



| Codice | Acciaio <850 N/mm² | Acciaio >850 <1000 N/mm² | Acciaio >1000 <1400 N/mm² | Acciaio INOX | Leghe di Titanio | Ghisa | Alluminio e leghe |
|--------|--------------------|--------------------------|---------------------------|--------------|------------------|-------|-------------------|
| A15531 | ● | ● | ○ | ○ | ○ | ○ | ○ |
| | 10 | 8 | 8 | 2 | 4 | 5 | 18 |

| Code | € | Ø (mm) | Edges length (mm) | Overall length (mm) | Ø shank h9 (mm) |
|------------|---|--------|-------------------|---------------------|-----------------|
| A155310100 | ◇ | 1 | 5,5 | 34 | 1 |
| A155310120 | ◇ | 1,2 | 7,5 | 38 | 1,2 |
| A155310140 | ◇ | 1,4 | 8 | 40 | 1,4 |
| A155310150 | ◇ | 1,5 | 8 | 40 | 1,5 |
| A155310160 | ◇ | 1,6 | 9 | 43 | 1,6 |
| A155310180 | ◇ | 1,8 | 10 | 46 | 1,8 |
| A155310200 | ◇ | 2 | 11 | 49 | 2 |
| A155310220 | ◇ | 2,2 | 12 | 53 | 2,2 |
| A155310250 | ◇ | 2,5 | 14 | 57 | 2,5 |
| A155310280 | ◇ | 2,8 | 15 | 61 | 2,8 |
| A155310300 | ◇ | 3 | 15 | 61 | 3 |
| A155310320 | ◇ | 3,2 | 16 | 65 | 3,2 |
| A155310350 | ◇ | 3,5 | 18 | 70 | 3,5 |
| A155310400 | ◇ | 4 | 19 | 75 | 4 |
| A155310450 | ◇ | 4,5 | 21 | 80 | 4,5 |
| A155310500 | ◇ | 5 | 23 | 86 | 5 |
| A155310550 | ◇ | 5,5 | 26 | 93 | 5,6 |
| A155310600 | ◇ | 6 | 26 | 93 | 5,6 |

| Code | € | Ø (mm) | Edges length (mm) | Overall length (mm) | Ø shank h9 (mm) |
|------------|---|--------|-------------------|---------------------|-----------------|
| A155310650 | ◇ | 6,5 | 28 | 101 | 6,3 |
| A155310700 | ◇ | 7 | 31 | 109 | 7,1 |
| A155310750 | ◇ | 7,5 | 31 | 109 | 7,1 |
| A155310800 | ◇ | 8 | 33 | 117 | 8 |
| A155310850 | ◇ | 8,5 | 33 | 117 | 8 |
| A155310900 | ◇ | 9 | 36 | 125 | 9 |
| A155310950 | ◇ | 9,5 | 36 | 125 | 9 |
| A155311000 | ◇ | 10 | 38 | 133 | 10 |
| A155311100 | ◇ | 11 | 41 | 142 | 10 |
| A155311200 | ◇ | 12 | 44 | 151 | 10 |
| A155311300 | ◇ | 13 | 44 | 151 | 10 |
| A155311400 | ◇ | 14 | 47 | 160 | 12,5 |
| A155311500 | ◇ | 15 | 50 | 162 | 12,5 |
| A155311600 | ◇ | 16 | 52 | 170 | 12,5 |
| A155311700 | ◇ | 17 | 54 | 175 | 14 |
| A155311800 | ◇ | 18 | 56 | 182 | 14 |
| A155311900 | ◇ | 19 | 58 | 189 | 16 |
| A155312000 | ◇ | 20 | 60 | 195 | 16 |