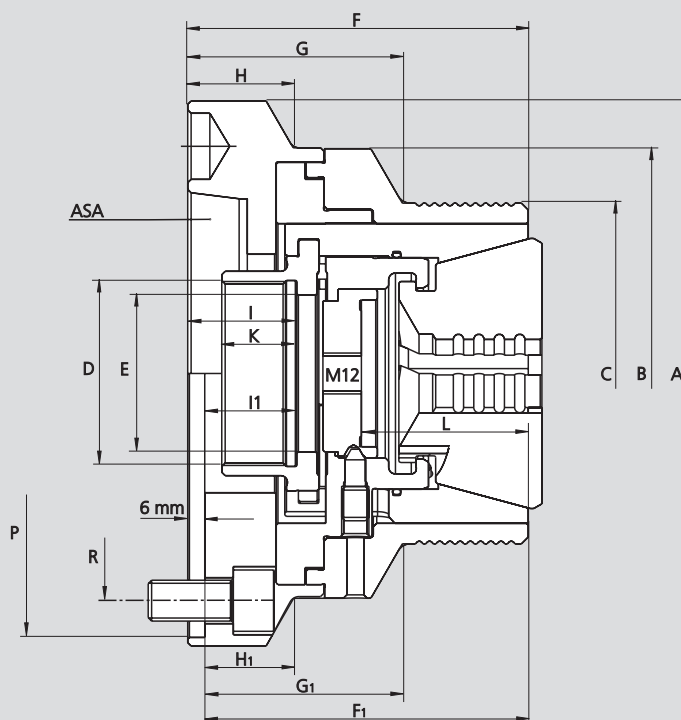


Chuck in open position =
Left end position



Subject to technical changes
For more detailed information please ask for customer drawing

| SMW-AUTOBLOK Type | | KSZ-NZN 42 | | | KSZ-NZN 65 | | | | |
|------------------------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------|
| Mounting | | Z140 | A5 | A6 | Z140 | Z170 | A5 | A6 | A8 |
| Id. No. | | 201356 | 201354 | 201355 | 201360 | 201361 | 201357 | 201358 | 201359 |
| | A | 150 | 132 | 160 | 157 | 180 | 157 | 157 | 202 |
| | B | 132 | - | 132 | - | 157 | - | - | 157 |
| | C | 100 | 100 | 100 | 122 | 122 | 122 | 122 | 122 |
| | D | M54 x 1.5 | M54 x 1.5 | M54 x 1.5 | M78 x 1.5 | M78 x 1.5 | M78 x 1.5 | M78 x 1.5 | M78 x 1.5 |
| | E | 46 | 46 | 46 | 68 | 68 | 68 | 68 | 68 |
| | F | - | 105 | 105 | - | - | 112 | 110 | 114 |
| | F1 | 90 | - | - | 112 | 110 | - | - | - |
| | G | - | 68 | 68 | - | - | 69 | 67 | 71 |
| | G1 | 53 | - | - | 69 | 67 | - | - | - |
| | H | - | - | 36 | - | - | - | - | 17 |
| | H1 | 15 | - | - | - | 13 | - | - | - |
| | I | - | 34.5 | 34.5 | - | - | 37 | 35 | 39 |
| | I1 | 19.5 | - | - | 37 | 35 | - | - | - |
| | K | 17 | 17 | 17 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 |
| | L | 48 | 48 | 48 | 54 | 54 | 54 | 54 | 54 |
| | P H6 | 140 | - | - | 140 | 170 | - | - | - |
| | R | 104.8/4x90°/M10 | 133.4/4x90°/M12 | 104.8/4x90°/M10 | 133.4/4x90°/M12 | 104.8/4x90°/M10 | 133.4/4x90°/M12 | 171.4/4x90°/M16 | |
| max. speed | r.p.m. | 7000 | 7000 | 7000 | 6000 | 6000 | 6000 | 6000 | 6000 |
| max. actuating force | daN | 3500 | 3500 | 3500 | 4500 | 4500 | 4500 | 4500 | 4500 |
| max. gripping force | daN | 8000 | 8000 | 8000 | 10500 | 10500 | 10500 | 10500 | 10500 |
| Weight without collets | kg | 5.9 | 6.3 | 7.4 | 9.6 | 9.6 | 9.4 | 8.6 | 10.8 |
| rec. actuating cyl. | Type | VNK 102-46 | | | VNK 150-67 | | | | |
| Speed | r.p.m. | 8000 | | | 5500 | | | | |

Changing unit

| Accessories | Size | KSZ-NZN 42 | KSZ-NZN 65 |
|-------------|--------|------------|------------|
| | manual | | 196842 |
| pneumatic | | 192151 | 192153 |



Collets for KSZ-DZN 42/KSZ-AZN 42/KSZ-NZN 42

Steel collets with axial and radial grooves (Δ smooth, $\Delta\Delta$ radial grooves)

ROUND*

| | | | | | | | | | | | | | |
|---------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Ø | 4Δ | 5Δ | 6Δ | 7Δ | 8$\Delta\Delta$ | 9$\Delta\Delta$ | 10$\Delta\Delta$ | 11 | 12 | 13 | 14 | 15 | 16 |
| Id. No. | 192173 | 192174 | 192175 | 192176 | 192177 | 192178 | 192179 | 192180 | 192181 | 192182 | 192183 | 192184 | 192185 |
| Ø | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| Id. No. | 192186 | 192187 | 192188 | 192189 | 192190 | 192191 | 192192 | 192193 | 192194 | 192195 | 192196 | 192197 | 192198 |
| Ø | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
| Id. No. | 192199 | 192200 | 192201 | 192202 | 192203 | 192204 | 192205 | 192206 | 192207 | 192208 | 192209 | 192210 | 192211 |

Collets in 0.5 mm increments on request

Steel collets with smooth clamping surface

ROUND*

| | | | | | | | | | | | | | |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Ø | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Id. No. | 192173 | 192174 | 192175 | 192176 | 193135 | 193136 | 193137 | 193138 | 193139 | 193140 | 193141 | 193142 | 193143 |
| Ø | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| Id. No. | 193144 | 192807 | 193145 | 192808 | 193146 | 193147 | 193148 | 193149 | 193150 | 193151 | 193152 | 193153 | 193154 |
| Ø | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
| Id. No. | 193155 | 193156 | 193083 | 193157 | 193158 | 193159 | 193160 | 193161 | 193162 | 193163 | 193164 | 193165 | 193219 |

Collets in 0.5 mm increments on request

SQUARE**

| | | | | | | | | | | | | | |
|---------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| □ | 7Δ | 8$\Delta\Delta$ | 9$\Delta\Delta$ | 10$\Delta\Delta$ | 11$\Delta\Delta$ | 12$\Delta\Delta$ | 13$\Delta\Delta$ | 14$\Delta\Delta$ | 15$\Delta\Delta$ | 16$\Delta\Delta$ | 17$\Delta\Delta$ | 18$\Delta\Delta$ | 19$\Delta\Delta$ |
| Id. No. | 192212 | 192213 | 192214 | 192215 | 192216 | 192217 | 192218 | 192219 | 192220 | 192221 | 192222 | 192223 | 192224 |
| □ | 20$\Delta\Delta$ | 21$\Delta\Delta$ | 22$\Delta\Delta$ | 23$\Delta\Delta$ | 24$\Delta\Delta$ | 25$\Delta\Delta$ | 26$\Delta\Delta$ | 27$\Delta\Delta$ | 28$\Delta\Delta$ | 29$\Delta\Delta$ | 30$\Delta\Delta$ | | |
| Id. No. | 192225 | 192226 | 192227 | 192228 | 192229 | 192230 | 192231 | 192232 | 192233 | 192234 | 192235 | | |

HEXAGONAL**

| | | | | | | | | | | | | | |
|---------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| ⬡ | 7Δ | 8$\Delta\Delta$ | 9$\Delta\Delta$ | 10$\Delta\Delta$ | 11$\Delta\Delta$ | 12$\Delta\Delta$ | 13$\Delta\Delta$ | 14$\Delta\Delta$ | 15$\Delta\Delta$ | 16$\Delta\Delta$ | 17$\Delta\Delta$ | 18$\Delta\Delta$ | 19$\Delta\Delta$ |
| Id. No. | 192236 | 192237 | 192238 | 192239 | 192240 | 192241 | 192242 | 192243 | 192244 | 192245 | 192246 | 192247 | 192248 |
| ⬡ | 20$\Delta\Delta$ | 21$\Delta\Delta$ | 22$\Delta\Delta$ | 23$\Delta\Delta$ | 24$\Delta\Delta$ | 25$\Delta\Delta$ | 26$\Delta\Delta$ | 27$\Delta\Delta$ | 28$\Delta\Delta$ | 29$\Delta\Delta$ | 30$\Delta\Delta$ | 31$\Delta\Delta$ | 32$\Delta\Delta$ |
| Id. No. | 192249 | 192250 | 192251 | 192252 | 192253 | 192254 | 192255 | 192256 | 192257 | 192258 | 192259 | 192260 | 192261 |

Soft steel collets (pre-bored)

ROUND

| | | | | | | | | | | | | | |
|---------|----------|-----------|-----------|--|--|--|--|--|--|--|--|--|--|
| Ø | 5 | 15 | 30 | | | | | | | | | | |
| Id. No. | 192262 | 192263 | 192264 | | | | | | | | | | |

Boring ring 42 for soft steel collets

| | | | | | | | | | | | | | |
|---------|--------|--|--|--|--|--|--|--|--|--|--|--|--|
| Id. No. | 193399 | | | | | | | | | | | | |
|---------|--------|--|--|--|--|--|--|--|--|--|--|--|--|

* concentricity similar DIN 6343

** concentricity has to be agreed

Collets for KSZ-DZN 65/KSZ-AZN 65/KSZ-NZN 65

Steel collets with axial and radial grooves (Δ smooth, $\Delta\Delta$ radial grooves)

ROUND*

| | | | | | | | | | | | | | |
|---------|------------|------------|------------|------------------|------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|
| Ø | 5 Δ | 6 Δ | 7 Δ | 8 $\Delta\Delta$ | 9 $\Delta\Delta$ | 10 $\Delta\Delta$ | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Id. No. | 192265 | 192266 | 192267 | 192268 | 192269 | 192270 | 192271 | 192272 | 192273 | 192274 | 192275 | 192276 | 192277 |
| Ø | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Id. No. | 192278 | 192279 | 192280 | 192281 | 192282 | 192283 | 192284 | 192285 | 192286 | 192287 | 192288 | 192289 | 192290 |
| Ø | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 |
| Id. No. | 192291 | 192292 | 192293 | 192294 | 192295 | 192296 | 192297 | 192298 | 192299 | 192300 | 192301 | 192302 | 192303 |
| Ø | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |
| Id. No. | 192304 | 192305 | 192306 | 192307 | 192308 | 192309 | 192310 | 192311 | 192312 | 192313 | 192314 | 192315 | 192316 |
| Ø | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | | | | |
| Id. No. | 192317 | 192318 | 192319 | 192320 | 192321 | 192322 | 192323 | 192324 | 192325 | | | | |

Collets in 0.5 mm increments on request

Steel collets with smooth clamping surface

ROUND*

| | | | | | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ø | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Id. No. | 192265 | 192266 | 192267 | 193172 | 193173 | 192682 | 193174 | 192787 | 193175 | 193176 | 193177 | 193169 | 193178 |
| Ø | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Id. No. | 193179 | 193180 | 193181 | 193182 | 193683 | 193183 | 193170 | 193065 | 193184 | 193066 | 193068 | 193069 | 193070 |
| Ø | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 |
| Id. No. | 193185 | 192684 | 193186 | 193187 | 193188 | 193189 | 193190 | 193191 | 193192 | 192685 | 193193 | 193194 | 193171 |
| Ø | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 |
| Id. No. | 193196 | 193197 | 193198 | 193199 | 193200 | 193201 | 193202 | 193203 | 193204 | 193205 | 193206 | 193207 | 193208 |
| Ø | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | | | | |
| Id. No. | 193195 | 193209 | 193210 | 193211 | 193212 | 193213 | 193214 | 193215 | 193216 | | | | |

Collets in 0.5 mm increments on request

SQUARE**

| | | | | | | | | | | | | | |
|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| □ | 8 $\Delta\Delta$ | 9 $\Delta\Delta$ | 10 $\Delta\Delta$ | 11 $\Delta\Delta$ | 12 $\Delta\Delta$ | 13 $\Delta\Delta$ | 14 $\Delta\Delta$ | 15 $\Delta\Delta$ | 16 $\Delta\Delta$ | 17 $\Delta\Delta$ | 18 $\Delta\Delta$ | 19 $\Delta\Delta$ | 20 $\Delta\Delta$ |
| Id. No. | 192326 | 192327 | 192328 | 192329 | 192330 | 192331 | 192332 | 192333 | 192334 | 192335 | 192336 | 192337 | 192338 |
| □ | 21 $\Delta\Delta$ | 22 $\Delta\Delta$ | 23 $\Delta\Delta$ | 24 $\Delta\Delta$ | 25 $\Delta\Delta$ | 26 $\Delta\Delta$ | 27 $\Delta\Delta$ | 28 $\Delta\Delta$ | 29 $\Delta\Delta$ | 30 $\Delta\Delta$ | 31 $\Delta\Delta$ | 32 $\Delta\Delta$ | 33 $\Delta\Delta$ |
| Id. No. | 192339 | 192340 | 192341 | 192342 | 192343 | 192344 | 192345 | 192346 | 192347 | 192348 | 192349 | 192350 | 192351 |
| □ | 34 $\Delta\Delta$ | 35 $\Delta\Delta$ | 36 $\Delta\Delta$ | 37 $\Delta\Delta$ | 38 $\Delta\Delta$ | 39 $\Delta\Delta$ | 40 $\Delta\Delta$ | 41 $\Delta\Delta$ | 42 $\Delta\Delta$ | 43 $\Delta\Delta$ | 44 $\Delta\Delta$ | 45 $\Delta\Delta$ | 46 $\Delta\Delta$ |
| Id. No. | 192352 | 192353 | 192354 | 192355 | 192356 | 192357 | 192358 | 192359 | 192360 | 192361 | 192362 | 192363 | 192364 |

HEXAGONAL**

| | | | | | | | | | | | | | |
|---------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| ⬡ | 10 $\Delta\Delta$ | 11 $\Delta\Delta$ | 12 $\Delta\Delta$ | 13 $\Delta\Delta$ | 14 $\Delta\Delta$ | 15 $\Delta\Delta$ | 16 $\Delta\Delta$ | 17 $\Delta\Delta$ | 18 $\Delta\Delta$ | 19 $\Delta\Delta$ | 20 $\Delta\Delta$ | 21 $\Delta\Delta$ | 22 $\Delta\Delta$ |
| Id. No. | 192365 | 192366 | 192367 | 192368 | 192369 | 192370 | 192371 | 192372 | 192373 | 192374 | 192375 | 192376 | 192377 |
| ⬡ | 23 $\Delta\Delta$ | 24 $\Delta\Delta$ | 25 $\Delta\Delta$ | 26 $\Delta\Delta$ | 27 $\Delta\Delta$ | 28 $\Delta\Delta$ | 29 $\Delta\Delta$ | 30 $\Delta\Delta$ | 31 $\Delta\Delta$ | 32 $\Delta\Delta$ | 33 $\Delta\Delta$ | 34 $\Delta\Delta$ | 35 $\Delta\Delta$ |
| Id. No. | 192378 | 192379 | 192380 | 192381 | 192382 | 192383 | 192384 | 192385 | 192386 | 192387 | 192388 | 192389 | 192390 |
| ⬡ | 36 $\Delta\Delta$ | 37 $\Delta\Delta$ | 38 $\Delta\Delta$ | 39 $\Delta\Delta$ | 40 $\Delta\Delta$ | 41 $\Delta\Delta$ | 42 $\Delta\Delta$ | 43 $\Delta\Delta$ | 44 $\Delta\Delta$ | 45 $\Delta\Delta$ | 46 $\Delta\Delta$ | 47 $\Delta\Delta$ | 48 $\Delta\Delta$ |
| Id. No. | 192391 | 192392 | 192393 | 192394 | 192395 | 192396 | 192397 | 192398 | 192399 | 192400 | 192401 | 192402 | 192403 |
| ⬡ | 49 $\Delta\Delta$ | 50 $\Delta\Delta$ | | | | | | | | | | | |
| Id. No. | 192404 | 192405 | | | | | | | | | | | |

Soft steel collets (pre-bored)

ROUND

| | | | | | | | | | | | | | |
|---------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|
| Ø | 8 | 20 | 40 | | | | | | | | | | |
| Id. No. | 192406 | 192407 | 192408 | | | | | | | | | | |

Boring ring 65 for soft steel collets

| | | | | | | | | | | | | | |
|---------|--------|--|--|--|--|--|--|--|--|--|--|--|--|
| Id. No. | 193400 | | | | | | | | | | | | |
|---------|--------|--|--|--|--|--|--|--|--|--|--|--|--|

* concentricity similar DIN 6343

** concentricity has to be agreed