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|----------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------|-----|
| E000 | 241 | E043 | 319 | E216 | 243 | E255 | 238 | T200 | 220 |
| E000TIN | 241 | E100 | 224 | E225 | 281 | E256 | 238 | T201 | 220 |
| E001 | 241 | E101 | 224 | E229 | 291 | E258 | 244 | T205 | 222 |
| E002 | 254 | E102 | 224 | E237 | 226 | E260 | 250 | T206 | 222 |
| E002TIN | 254 | E105 | 260 | E238 | 251 | E261 | 250 | T210 | 220 |
| E003 | 254 | E108 | 280 | E239 | 251 | E263 | 244 | T215 | 223 |
| E011 | 273 | E111 | 290 | E240 | 239 | E266 | 243 | | |
| E013 | 278 | E115 | 301 | E241 | 239 | E268 | 263 | | |
| E021 | 285 | E119 | 312 | E242 | 263 | E275 | 281 | | |
| E023 | 287 | E200 | 226 | E243 | 330 | E278 | 291 | | |
| E031 | 295 | E201 | 228 | E250 | 226 | E282 | 313 | | |
| E033 | 297 | E207 | 244 | E251 | 226 | E286 | 299 | | |
| E041 | 316 | E212 | 244 | E252 | 228 | E287 | 289 | | |

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| E288 | 279 | E474 | 253 | E650 | 255 | EX006G | 246 |
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| E290 | 263 | E501 | 229 | E653 | 326 | EX00TIN | 246 |
| E291 | 257 | E504 | 229 | E654 | 298 | EX016H | 246 |
| E292 | 257 | E513 | 265 | E708 | 329 | EX10 | 274 |
| E293 | 258 | E515 | 282 | E709 | 328 | EX10TIN | 274 |
| E294 | 257 | E524 | 292 | E710 | 324 | EX11 | 274 |
| E295 | 259 | E531 | 302 | E711 | 325 | EX20 | 286 |
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| E297 | 237 | E534 | 304 | E714 | 323 | EX30 | 296 |
| E298 | 248 | E536 | 306 | E720 | 328 | EX31 | 296 |
| E299 | 271 | E538 | 308 | E721 | 324 | EX40 | 317 |
| E300 | 276 | E539 | 307 | EP006G | 235 | EX41 | 317 |
| E303 | 233 | E542 | 309 | EP006H | 235 | L000 | 336 |
| E382 | 318 | E544 | 311 | EP00TIN | 235 | L001 | 337 |
| E383 | 277 | E545 | 310 | EP016H | 235 | L002 | 338 |
| E384 | 272 | E547 | 314 | EP10 | 269 | L110 | 342 |
| E390 | 228 | E550 | 322 | EP10TIN | 269 | L112 | 343 |
| E412 | 249 | E570 | 300 | EP11 | 269 | L113 | 333 |
| E414 | 252 | E600 | 234 | EP20 | 284 | L114 | 334 |
| E422 | 243 | E605 | 256 | EP21 | 284 | L115 | 335 |
| E423 | 243 | E606 | 242 | EP30 | 294 | L119 | 331 |
| E471 | 240 | E610 | 234 | EP31 | 294 | L120 | 339 |
| E472 | 240 | E620 | 320 | EP40 | 315 | L126 | 332 |
| E473 | 253 | E621 | 321 | EP41 | 315 | | |

| | Typ závitů | Тип резьбы | Typ Gwintu | Typ závitů |
|------------|--|---|---|---|
| | Standard | Стандарт | Standard | Štandard |
| | Tolerance | Допуск | Tolerancja | Tolerancia |
| | Typ díry | Тип отверстия | Rodzaj otworu | Typ diery |
| | Hĺoubka | Глубина | Głębokość | Hĺbka |
| | Materiál | Материал | Materiał | Materiál |
| | Náběhy | Заборный конус | Nakrój | Náběhy |
| | Geometrie drážek | Геометрия канавки метчика | Geometria ostrza | Geometria drážok |
| | Směr otáčení | Направление | Kierunek | Smer |
| | Povlak | Покрытие | Pokrycie | Povlak |
| | Chlazení | СОЖ | Chłodziwo | Chladienie |
| ■ | vynikající | Основное применение | Najlepsze zastosowanie | Vynikajúce |
| ■ | dobry | Возможное применение | Dobre zastosowanie | Dobré |
| | Příklad 10 = řezná rychlost (m/min) +/- 10% | Пример: 10 = Скорость резания в м/мин +/- 10% | Na przyklad 10 = prędkość skrawania w m/min +/- 10% | Príklad 10 = rezná rýchlosť (m/min) +/- 10% |
| | Kód | Код | Kod | Kód |
| | Rozměrová řada | Ассортимент | Zakres | Rozsah rozmerov |
| AMG | Česky | Русский | Polski | Slovensky |
| 1.1 | magneticky měkká | Автоматная сталь | magnetyczna miękka | Magneticky mäkká oceľ |
| 1.2 | konstrukční uhlíkatá | Низкоуглеродистая сталь | konstrukcyjna do nawęglania | Konstruktívna oceľ,uhlíková |
| 1.3 | uhlíkatá | Углеродистая нелегированная сталь | węglowa | Uhlíková oceľ |
| 1.4 | legovaná | Легированная сталь | stopowa | Legovaná oceľ |
| 1.5 | legovaná, tvrzená a temperovaná | Легированная сталь после отжига | stopowa-hartowana i odpuszczana | Legovaná oceľ, tvrdená a temperovaná |
| 1.6 | legovaná, tvrzená a temperovaná | Высоколегированная сталь после отжига | stopowa-hartowana i odpuszczana | Legovaná oceľ, tvrdená a temperovaná |
| 1.7 | legovaná, tvrzená | Легированная закаленная сталь | stopowa-hartowana | Legovaná oceľ tvrdená |
| 1.8 | legovaná, tvrzená | Легированная закаленная сталь | stopowa-hartowana | Legovaná oceľ tvrdená, oceľ odolná oproti opotrebovaniu |
| 2.1 | automatová | Ферритная нержавеющая сталь | automatowa | Automatová nehrdzavejúca oceľ |
| 2.2 | austenitická | Аустенитная нержавеющая сталь | austenitczna | Austenická |
| 2.3 | fertická+austenitická | Ферритно-аустенитная нержавеющая сталь | ferrytczna+austenitczna | Feriticko austenitická nehr. oceľ (Duplex) |
| 2.4 | precipitačně tvrzená | Сталь дисперсионного твердения | Utwardzane wydzieleniowo | Tvrdená nehr. oceľ |
| 3.1 | lamelární | Серый чугун | szare | Sivá liatina |
| 3.2 | lamelární | Ковкий чугун | szare | Sivá liatina |
| 3.3 | nodulární | Высокопрочный чугун | sferoidalne ciągliwe | Tvárna liatina |
| 3.4 | nodulární | Высокопрочный чугун | sferoidalne ciągliwe | Tvárna liatina |
| 4.1 | čistý | Технически чистый титан | niestopowy | Čistý titán |
| 4.2 | slitiny | Титановые сплавы | stopy tytanu | Zliatiny titánu |
| 4.3 | slitiny | Титановые сплавы | stopy tytanu | Zliatiny titánu |
| 5.1 | čistý | Технически чистый никель | niestopowy | Čistý nikel |
| 5.2 | slitiny | Никелевые сплавы | stopy niklu | Zliatiny niklu |
| 5.3 | slitiny | Никелевые сплавы | stopy niklu | Zliatiny niklu |
| 6.1 | bronz | Технически чистая медь | niestopowa | Bronz |
| 6.2 | β - mosaz, bronz | Бронза | Mosiądz-β,brąz | β - mosadz, bronz |
| 6.3 | bronz mosaz | Латунь | Mosiądz CuZn | Mosadz, bronz |
| 6.4 | bronz vysokopevnostní | Высокопрочная бронза | Brąz o wysokiej wytrzymałości | Vysokopevnostný bronz |
| 7.1 | Al, Mg, tváréné | Технически чистый алюминий/магний | Al.,Mg, niestopowe | Al, Mg, tvárnený (čistý) |
| 7.2 | Al slitiny, Si<0.5% | Сплавы Al с содержанием Si<0.5% | Al. Stopowe,Si<0,5% | Al zliatiny, Si<0,5% |
| 7.3 | Al slitiny, Si>0.5%<10% | Сплавы Al с содержанием 0.5%<Si<10% | Al. Stopowe,Si>0,5%<10% | Al zliatiny, Si>0,5%<10% |
| 7.4 | Al slitiny, Si>10% | Сплавы Al с содержанием Si>10% | Al. Stopowe,Si>10% | Al zliatiny, Si>10% |
| 8.1 | termosty | Термопластики | Tworzywa termoplastyczne | Termoplasty |
| 8.2 | termosty | Терморезактивные полимеры | Tworzywa termoutwardzalne | Termosety |
| 8.3 | zpevněné plasty | Армированные полимеры | Zbrojone tworzywa sztuczne | Spevnené plasty |
| 9.1 | cermet (keramika) | Металлокерамика | Cermetale | Cermet (kov-keramika) |
| 10.1 | standardni grafit | Технический графит | Grafit standartowy | Grafi |

| | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | |
|------|------------|--------------------|------------|--------------------|--------------------|------------|------------|----------|----------|----------------|----------------|----------|-----------|----------|----------|--------------------|-----|
| | DIN 371 | DIN 37410 37412 | DIN 371 | DIN 37410 37412 | DIN 37410 37412 | DIN 2174 | DIN 352 | DIN 352 | DIN 352 | DIN 371 | DIN 376 | DIN 371 | DIN 376 | DIN 371 | DIN 376 | DIN 37410 37412 | |
| | 6H | 6HX | 6HX | 6H | 6H | 6HX | 6H | 6HX | 6H | 6H | 6H | 6H | 6H | 6HX | 6HX | 6HX | |
| | | | | | | | | | | | | | | | | | |
| | 2XD | 2.5XD | 2XD | 2XD | 2.5XD | 3XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 2XD | 2XD | 2XD | |
| | HM | HM | HM | HM | HM | HM | HSS | HSS-E | HSS | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | |
| | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3.5 | C 2-3 | C 2-3 | C 2-3 | A 6-8 C 2-3 | A 6-8 C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | T200 | T201 | T210 | T205 | T206 | T215 | E100 | E102 | E101 | E200 | E250 | E237 | E251 | E201 | E252 | E390 | |
| | M3 - M12 | M5 - M16 | M3 - M12 | M3 - M12 | M5 - M12 | M3 - M10 | M1.6 - M52 | M3 - M30 | M4 - M16 | M2 - M10 | M3 - M52 | M3 - M10 | M12 - M24 | M3 - M10 | M8 - M24 | M3 - M20 | |
| | NEW | NEW | NEW | NEW | NEW | NEW | | | | | | | | | | | |
| AMG | 220 | 220 | 220 | 222 | 222 | 223 | 224 | 224 | 224 | 226 | 226 | 226 | 226 | 228 | 228 | 228 | ISO |
| 1.1 | | | | | | ■60 | ●1 | ●1 | ●1 | ●12 | ●12 | ●12 | ●12 | | | | P 1 |
| 1.2 | | | | | | ■60 | ●1 | ●1 | ●1 | ●10 | ●10 | ●10 | ●10 | | | | P 1 |
| 1.3 | | | | | | ■60 | ●1 | ●1 | ●1 | ●8 | ●8 | ●8 | ●8 | | | | P 2 |
| 1.4 | | | | | | ■40 | ●1 | ●1 | ●1 | ●6 | ●6 | ●6 | ●6 | | | | P 3 |
| 1.5 | | | | | | ■30 | ●1 | ●1 | ●1 | ●5 | ●5 | ●5 | ●5 | | | | P 4 |
| 1.6 | | | | | | | | | | | | | | | | | H 1 |
| 1.7 | ■6 | | ●6 | | | | | | | | | | | | | | H 3 |
| 1.8 | ●4 | | ■4 | | | | | | | | | | | | | | H 4 |
| 2.1 | | | | | | ■25 | | ●1 | | | | | | | | | M 1 |
| 2.2 | | | | | | ■25 | | ●1 | | | | | | | | | M 3 |
| 2.3 | | | | | | ■25 | | ●1 | | | | | | | | | M 2 |
| 2.4 | | | | | | ●25 | | | | | | | | | | | S 2 |
| 3.1 | ●60 | ■60 | | ●40 | ●40 | | ●1 | ●1 | ●1 | ●14 | ●14 | ●14 | ●14 | ■15 | ■15 | ■30 | K 1 |
| 3.2 | ●30 | ■25 | | ●15 | ●15 | | ●1 | ●1 | ●1 | ●8 | ●8 | ●8 | ●8 | ■8 | ■8 | ■25 | K 2 |
| 3.3 | | ●38 | | ■25 | ■25 | | ●1 | ●1 | ●1 | ●12 | ●12 | ●12 | ●12 | ■15 | ■15 | ■35 | K 3 |
| 3.4 | | ●33 | | ■15 | ■15 | | ●1 | ●1 | ●1 | | | | | ●8 | ●8 | ●25 | K 4 |
| 4.1 | | | | | | | | ●1 | | | | | | | | | S 1 |
| 4.2 | | | | | | | | ●1 | | | | | | | | | S 2 |
| 4.3 | | | | | | | | ●1 | | | | | | | | | S 3 |
| 5.1 | | | | | | ■35 | | ●1 | | | | | | | | | S 1 |
| 5.2 | | | | | | ●15 | | ●1 | | | | | | | | | S 2 |
| 5.3 | | | | | | | | ●1 | | | | | | | | | S 3 |
| 6.1 | | | | | | ●40 | ●1 | ●1 | ●1 | | | | | | | | N 3 |
| 6.2 | | | | | | | ●1 | ●1 | ●1 | ●16 | ●16 | ●16 | ●16 | ●20 | ●20 | ●30 | N 4 |
| 6.3 | | | | | | ●80 | ●1 | ●1 | ●1 | ●12 | ●12 | ●12 | ●12 | | | | N 3 |
| 6.4 | ●7 | ●10 | | | | | ●1 | ●1 | ●1 | | | | | ●5 | ●5 | ●5 | N 4 |
| 7.1 | | | | | | ■70 | | | | | | | | | | | N 1 |
| 7.2 | | | | | | ■80 | ●1 | ●1 | ●1 | ●20 | ●20 | ●20 | ●20 | | | | N 1 |
| 7.3 | | ●50 | | ■35 | ■35 | ■80 | ●1 | ●1 | ●1 | ●12 | ●12 | ●12 | ●12 | | | | N 1 |
| 7.4 | ●60 | ■40 | | ■30 | ■30 | | ●1 | ●1 | ●1 | | | | | ●15 | ●15 | ●20 | N 2 |
| 8.1 | | | | | | | | | | | | | | | | | O |
| 8.2 | ●50 | ●25 | | ●25 | ●25 | | ●1 | ●1 | ●1 | ●8 | ●8 | ●8 | ●8 | ■10 | ■10 | ■15 | O |
| 8.3 | ●30 | ●15 | | ●15 | ●15 | | ●1 | ●1 | ●1 | | | | | | | | O |
| 9.1 | | | | | | | | | | | | | | | | | H |
| 10.1 | ●25 | ■25 | | | | | | | | | | | | | | | O |

| | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | | |
|------|----------|----------|----------|--------------|----------|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|-----|
| | ISO 529 | ISO 529 | ISO 529 | DIN 357 | ISO 2283 | ISO 2283 | DIN 37410 376312 | DIN 37410 376312 | DIN 37410 376312 | DIN 37410 376312 | DIN 37410 376312 | DIN 37410 376312 | DIN 37410 376312 | DIN 37410 376312 | DIN 37410 376312 | DIN 37410 376312 | | |
| | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6G | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | | |
| | | | | | | | | | | | | | | | | | | |
| | 1.5XD | 1.5XD | 1.5XD | 2XD | 1.5XD | 1.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | | |
| | HSS | HSS | HSS | HSS-E | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | | |
| | | | | Ø18-20 C 2-3 | C 2-3 | C 2-3 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | | |
| | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | SHARK LINE | SHARK LINE | SHARK LINE | SHARK LINE | SHARK LINE | SHARK LINE | | |
| | E500 | E501 | E504 | E303 | E600 | E610 | EP006H | EP006G | EP00TIN | EP016H | E297 | E255 | E256 | E240 | E241 | E471 | | |
| | M1 - M56 | M3 - M24 | M3 - M24 | M3 - M20 | M3 - M30 | M3 - M16 | M2 - M30 | M3 - M20 | M3 - M30 | M2 - M30 | M3 - M30 | M3 - M20 | M3 - M20 | M3 - M30 | M3 - M20 | M3 - M20 | | |
| | | | | | | | | | | | | | | | | | | |
| AMG | 229 | 229 | 229 | 233 | 234 | 234 | 235 | 235 | 235 | 235 | 237 | 238 | 238 | 239 | 239 | 240 | ISO | |
| 1.1 | ●7 | ●7 | ●14 | ●12 | ●7 | ●14 | ■25 | ■25 | ■40 | ■25 | ■25 | | | | | ●25 | P 1 | |
| 1.2 | ●6 | ●6 | ●12 | ●10 | ●6 | ●12 | ■22 | ■22 | ■40 | ■22 | ■22 | | | | ●22 | ●22 | P 1 | |
| 1.3 | ●5 | ●5 | ●10 | ●8 | ●5 | ●10 | ■18 | ■18 | ■32 | ■18 | ■18 | | | | ●18 | ●18 | P 2 | |
| 1.4 | ●4 | ●4 | ●8 | ●6 | ●4 | ●8 | ■16 | ■16 | ■27 | ■16 | ●16 | ■16 | ■30 | | ●16 | | P 3 | |
| 1.5 | ●3 | ●3 | ●6 | ●5 | ●3 | ●6 | ■10 | ■10 | ■13 | ■10 | ●10 | ●7 | ■17 | ●7 | ●10 | | P 4 | |
| 1.6 | | | | | | | ●5 | ●5 | ●11 | ●5 | | ●4 | ●11 | | | | H 1 | |
| 1.7 | | | | | | | | | | | | | | | | | | H 3 |
| 1.8 | | | | | | | | | | | | | | | | | | H 4 |
| 2.1 | | | | | | | | | ■8 | ●7 | | | | ■8 | ■14 | | M 1 | |
| 2.2 | | | | | | | | | ■7 | ●6 | | | | ■7 | ■10 | | M 3 | |
| 2.3 | | | | | | | | | ●5 | ●4 | | | | ■5 | ■6 | | M 2 | |
| 2.4 | | | | | | | | | | | | | | | | | S 2 | |
| 3.1 | ●12 | ●12 | ■18 | ●14 | ●12 | ■18 | ●15 | ●15 | ●22 | ●15 | | | | | | | K 1 | |
| 3.2 | ●7 | ●7 | ■12 | ●8 | ●7 | ■12 | ●8 | ●8 | ●18 | ●8 | | | | | | | K 2 | |
| 3.3 | ●10 | ●10 | ■22 | ●12 | ●10 | ■22 | ●15 | ●15 | ●25 | ●15 | | | | | | | K 3 | |
| 3.4 | ●5 | ●5 | ●12 | | ●5 | ●12 | ●8 | ●8 | ●18 | ●8 | | | | | | | K 4 | |
| 4.1 | | | | | | | ●10 | ●10 | ●15 | | | | | | | | S 1 | |
| 4.2 | | | | | | | ●5 | ●5 | ●7 | | | ●2 | ●3 | | | | S 2 | |
| 4.3 | | | | | | | | | | | | | | | | | S 3 | |
| 5.1 | | | | | | | ●12 | ●12 | ●18 | | | | | | | | S 1 | |
| 5.2 | | | | | | | ●5 | ●5 | ●8 | | | ●2 | ●3 | | | | S 2 | |
| 5.3 | | | | | | | | | | | | | | | | | S 3 | |
| 6.1 | ●4 | ●4 | | | ●4 | | ■12 | ■12 | ■18 | | ■12 | | | | | ●12 | N 3 | |
| 6.2 | ●10 | ●10 | ●20 | ●16 | ●10 | ●20 | ●30 | ●30 | ●45 | | ●30 | | | | | ■30 | N 4 | |
| 6.3 | ●7 | ●7 | ●14 | ●12 | ●7 | ●14 | ■20 | ■20 | ■35 | | ■20 | | | | | ■20 | N 3 | |
| 6.4 | ●2 | ●2 | ●4 | | ●2 | ●4 | | | | | | | | | | | N 4 | |
| 7.1 | | | | | | | ■16 | ■16 | | | | | | | | ■16 | N 1 | |
| 7.2 | ●12 | ●12 | ●24 | ●20 | ●12 | ●24 | ■35 | ■35 | | | | | | | | ■35 | N 1 | |
| 7.3 | ●7 | ●7 | ●14 | ●12 | ●7 | ●14 | ■20 | ■20 | ■30 | | | | | | | ■20 | N 1 | |
| 7.4 | ●5 | ●5 | ●10 | | ●5 | ●10 | ■15 | ■15 | ■22 | | | | | | | ●15 | N 2 | |
| 8.1 | | | | | | | ●30 | ●30 | | | | | | | | ■25 | O | |
| 8.2 | ●5 | ●5 | ●10 | ●8 | ●5 | ●10 | | | ●45 | | | | | | | | O | |
| 8.3 | ●3 | ●3 | ●6 | | ●3 | ●6 | | | | | | | | | | | O | |
| 9.1 | | | | | | | | | | | | | | | | | H | |
| 10.1 | | | | | | | | | | | | | | | | | O | |

| | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | |
|------|----------------------|------------|----------|------------|----------|----------|-----------|----------|-----------|----------|----------|----------|-----------|----------------------|----------------------|----------------------|-----|
| | DIN 371410 376812 | ISO 529 | ISO 529 | ISO 529 | ISO 2283 | DIN 371 | DIN 376 | DIN 371 | DIN 376 | DIN 371 | DIN 376 | DIN 371 | DIN 376 | DIN 371410 376812 | DIN 371410 376812 | DIN 371410 376812 | |
| | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6G | 6H | |
| | | | | | | | | | | | | | | | | | |
| | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 3XD | 3XD | 3XD | 3XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 2.5XD | 2.5XD | 2.5XD | |
| | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | |
| | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | Super B | | TN | ST | | | | | TN | TN | TN | TN | | | | TN | |
| | | | | | | | | | | | | | | | | | |
| | SHARK LINE | | | | | | | | | | | | | | | | |
| | E472 | E000 | E000TIN | E001 | E606 | E216 | E266 | E422 | E423 | E207 | E258 | E212 | E263 | EX006H | EX006G | EX00TIN | |
| | M3 - M20 | M1.6 - M24 | M3 - M20 | M1.6 - M24 | M3 - M24 | M3 - M10 | M12 - M24 | M3 - M10 | M12 - M24 | M2 - M10 | M4 - M36 | M3 - M10 | M12 - M36 | M2 - M64 | M3 - M20 | M3 - M30 | |
| AMG | 240 | 241 | 241 | 241 | 242 | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 246 | 246 | 246 | ISO |
| 1.1 | | ■25 | ■40 | ■25 | ●20 | ●22 | ●22 | ●35 | ●35 | | | ●35 | ●35 | ■25 | ■25 | ■40 | P 1 |
| 1.2 | ●40 | ■22 | ■40 | ■22 | ●18 | ■20 | ■20 | ■35 | ■35 | ●20 | ●20 | ●35 | ●35 | ■22 | ■22 | ■40 | P 1 |
| 1.3 | ●32 | ■18 | ■32 | ■18 | ●14 | ■16 | ■16 | ■28 | ■28 | ■16 | ■16 | ■28 | ■28 | ■18 | ■18 | ■32 | P 2 |
| 1.4 | | ■16 | ■27 | ■16 | ●10 | ■12 | ■12 | ■24 | ■24 | ■12 | ■12 | ■24 | ■24 | ■16 | ■16 | ■27 | P 3 |
| 1.5 | | ■10 | ■13 | ■10 | ●5 | ●7 | ●7 | ●10 | ●10 | ●7 | ●7 | ●10 | ●10 | ■10 | ■10 | ■13 | P 4 |
| 1.6 | | ●5 | ●11 | ●5 | ●3 | | | | | | | | | | | | H 1 |
| 1.7 | | | | | | | | | | | | | | | | | H 3 |
| 1.8 | | | | | | | | | | | | | | | | | H 4 |
| 2.1 | | ■8 | ●7 | ●6 | | | | | | | | | | | | ■8 | M 1 |
| 2.2 | | ■7 | ●6 | ●4 | | | | | | | | | | | | ■7 | M 3 |
| 2.3 | | ●5 | ●4 | ●3 | | | | | | | | | | | | ●5 | M 2 |
| 2.4 | | | | | | | | | | | | | | | | | S 2 |
| 3.1 | | ●15 | ●22 | ●15 | | ●12 | ●12 | ●18 | ●18 | | | | | | | ●22 | K 1 |
| 3.2 | | ●8 | ●18 | ●8 | | ●7 | ●7 | ●15 | ●15 | | | | | | | ●18 | K 2 |
| 3.3 | | ●15 | ●25 | ●15 | | ●10 | ●10 | ●20 | ●20 | | | | | | | ●25 | K 3 |
| 3.4 | | ●8 | ●18 | ●8 | | ●5 | ●5 | ●15 | ●15 | | | | | | | ●18 | K 4 |
| 4.1 | | ●10 | ●15 | | | ●15 | ●15 | ●27 | ●27 | | | | | ●10 | ●10 | ●15 | S 1 |
| 4.2 | | ●5 | ●7 | | | | | | | | | ●10 | ●10 | ●5 | ●5 | ●7 | S 2 |
| 4.3 | | | | | ●3 | ●4 | ●4 | ●5 | ●5 | | | ●7 | ●7 | | | | S 3 |
| 5.1 | | ●12 | ●18 | ●10 | ●12 | ●12 | ●20 | ●20 | ●20 | | | | | ●12 | ●12 | ●18 | S 1 |
| 5.2 | | ●5 | ●8 | ●4 | ●5 | ●5 | ●8 | ●8 | | | | | | ●5 | ●5 | ●8 | S 2 |
| 5.3 | | | | | | | | | | | | | | | | | S 3 |
| 6.1 | | ■12 | ■18 | ●10 | ●12 | ●12 | ●18 | ●18 | | | | | | | | | N 3 |
| 6.2 | ■45 | ■30 | ■45 | | ●30 | ●30 | ●45 | ●45 | | | | | | | | | N 4 |
| 6.3 | ■35 | ■20 | ■35 | ●15 | ●20 | ●20 | ●35 | ●35 | | | | | | | | | N 3 |
| 6.4 | | | | | | | | | | | | | | | | | N 4 |
| 7.1 | ●35 | ■16 | | ●10 | ●16 | ●16 | ●25 | ●25 | | | | | | ■16 | ■16 | | N 1 |
| 7.2 | ■45 | ■35 | | ●25 | ●35 | ●35 | ●45 | ●45 | ●30 | ●30 | ●35 | ●35 | ■35 | ■35 | | | N 1 |
| 7.3 | ■30 | ■20 | ■30 | ●13 | ●20 | ●20 | ●30 | ●30 | ●15 | ●15 | ●20 | ●20 | ■20 | ■20 | ■30 | | N 1 |
| 7.4 | ■20 | ■15 | ■22 | ●10 | ●15 | ●15 | ●20 | ●20 | | | | | ■15 | ■15 | ■22 | | N 2 |
| 8.1 | ●30 | ●30 | | ●20 | ●25 | ●25 | ●30 | ●30 | | | | | | | | | O |
| 8.2 | | | ●45 | | | | | | | | | | | | | | O |
| 8.3 | | | | | | | | | | | | | | | | | O |
| 9.1 | | | | | | | | | | | | | | | | | H |
| 10.1 | | | | | | | | | | | | | | | | | O |

| | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------|---------------|---------------|---------------|---------------|-------------|-------|
| | DIN 374610 376812 | DIN 374610 376812 | DIN 374610 376812 | DIN 374610 376812 | DIN 374610 376812 | DIN 374610 376812 | DIN 374610 376812 | DIN 374610 376812 | DIN 374610 376812 | DIN 374610 376812 | ISO 529 | ISO 529 | ISO 529 | DORMER ISO | ISO 2283 | DIN 2174 | |
| | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6HX | |
| | | | | | | | | | | | | | | | | | |
| | 2.5XD | 2XD | 3XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 3XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 1.5XD | 2XD | 3XD | |
| | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS | HSS-E PM | HSS-E |
| | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3.5 | |
| | λ 45° | λ 40° | λ 48° | λ 45° | λ 45° | λ 40° | λ 40° | λ 48° | λ 35° | λ 35° | λ 45° | λ 45° | λ 45° | λ 30° | λ 40° | | |
| | | | | | | | | | | | | | | | | | |
| | ST | Co | TAIN Top | | TAIN Top | ST | Super E | Super E | TAIN | Super E | | TN | ST | ST | | | |
| | | | | | | | | | | | | | | | | | |
| | | SHARK LINE | SHARK LINE | SHARK LINE | SHARK LINE | SHARK LINE | SHARK LINE | SHARK LINE | SHARK LINE | SHARK LINE | | | | | | | |
| | EX016H | E298 | E412 | E260 | E261 | E238 | E239 | E414 | E473 | E474 | E002 | E002TIN | E003 | E650 | E605 | E291 | |
| | M2 - M64 | M3 - M30 | M3 - M30 | M3 - M20 | M3 - M20 | M3 - M30 | M3 - M20 | M3 - M20 | M3 - M20 | M3 - M20 | M2 - M24 | M3 - M20 | M2 - M24 | M3 - M16 | M3 - M20 | M1.6 - M16 | |
| | | | NEW | | | | | NEW | | | | | | | | | |
| AMG | 246 | 248 | 249 | 250 | 250 | 251 | 251 | 252 | 253 | 253 | 254 | 254 | 254 | 255 | 256 | 257 | ISO |
| 1.1 | ■25 | ■25 | ■50 | | | | | | ●25 | | ■25 | ■40 | ■25 | ●25 | | ■30 | P 1 |
| 1.2 | ■22 | ■22 | ■50 | | | | | | ●22 | ●40 | ■22 | ■40 | ■22 | ●22 | ●18 | ■27 | P 1 |
| 1.3 | ■18 | ■18 | ■35 | | | | | | ●18 | ●32 | ■18 | ■32 | ■18 | ●18 | ●14 | ■23 | P 2 |
| 1.4 | ■16 | ●16 | ■30 | ■16 | ■35 | | | | ●16 | ●27 | ■16 | ■27 | ■16 | ●15 | ●10 | ■20 | P 3 |
| 1.5 | ■10 | ●10 | ■16 | ●7 | ■20 | ●7 | | | ●10 | ●13 | ■10 | ■13 | ■10 | | ●5 | | P 4 |
| 1.6 | | | | ●4 | ●11 | | | | | | | | | | | | H 1 |
| 1.7 | | | | | | | | | | | | | | | | | H 3 |
| 1.8 | | | | | | | | | | | | | | | | | H 4 |
| 2.1 | ■7 | | ●14 | | | ■8 | ■14 | ■16 | | | | ■8 | ●7 | | ●6 | | M 1 |
| 2.2 | ■6 | | ●10 | | | ■7 | ■10 | ■12 | | | | ■7 | ●6 | | ●4 | | M 3 |
| 2.3 | ●4 | | ●6 | | | ■5 | ■6 | ■8 | | | | ●5 | ●4 | | ●3 | | M 2 |
| 2.4 | | | | | | | | ■6 | | | | | | | | | S 2 |
| 3.1 | | | | | | | | | | | | ●22 | | | | | K 1 |
| 3.2 | | | | | | | | | | | | ●18 | | ●8 | | | K 2 |
| 3.3 | | | | | | | | | | | | ●25 | | | | | K 3 |
| 3.4 | | | | | | | | | | | | ●18 | | | | | K 4 |
| 4.1 | | | | | | | | | | | | ●10 | | ●15 | | | S 1 |
| 4.2 | | | | ●2 | ●3 | | | | | | | ●5 | | ●7 | | | S 2 |
| 4.3 | | | | | | | | | | | | | | | | | S 3 |
| 5.1 | | | | | | | | | | | | ●12 | ●18 | | | | S 1 |
| 5.2 | | | | ●2 | ●3 | | | | | | | ●5 | ●8 | | ●4 | | S 2 |
| 5.3 | | | | | | | | | | | | | | | | | S 3 |
| 6.1 | | ■12 | | | | | | | ●12 | | | | | | | | N 3 |
| 6.2 | | ●30 | | | | | | | ■30 | ■45 | | | | ●30 | | | N 4 |
| 6.3 | | ■20 | | | | | | | ■20 | ●35 | | | | ●20 | | | N 3 |
| 6.4 | | | | | | | | | | | | | | | | | N 4 |
| 7.1 | | | ●16 | | | | | | ■16 | ●35 | ■16 | | | ●18 | ●10 | ■26 | N 1 |
| 7.2 | | | ●16 | | | | | | ■35 | ■45 | ■35 | | | ●35 | ●25 | ■38 | N 1 |
| 7.3 | | | ●35 | | | | | | ■20 | ■30 | ■20 | ■30 | | | ●13 | ●22 | N 1 |
| 7.4 | | | ●35 | | | | | | ●15 | ■20 | ■15 | ■22 | | | ●10 | | N 2 |
| 8.1 | | | | | | | | | ■25 | ●30 | | | | ●30 | | | O |
| 8.2 | | | | | | | | | | | | | | | | | O |
| 8.3 | | | | | | | | | | | | | | | | | O |
| 9.1 | | | | | | | | | | | | | | | | | H |
| 10.1 | | | | | | | | | | | | | | | | | O |












| | M | M | M | M | M | M | MF | MF | MF | MF | MF | MF | MF | MF | | | |
|------|------------|----------|------------|------------|----------|----------|------------|----------|----------|-----------|----------|----------|----------|----------|----------|-----|-----|
| | DIN 2174 | DIN 2174 | DIN 2174 | DIN 2174 | DIN 2174 | DIN 2174 | DIN 2181 | DIN 374 | DIN 371 | DIN 374 | ISO 529 | DIN 374 | DIN 374 | DIN 374 | DIN 374 | | |
| | 6HX | 6HX | 6HX | 6HX | 6GX | 6GX | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | | |
| | | | | | | | | | | | | | | | | | |
| | 3XD | 3.5XD | 3.5XD | 3XD | 3XD | 3XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | | |
| | HSS-E | HSS-E | HSS-E | HSS-E | HSS-E | HSS-E | HSS | HSS-E PM | HSS-E PM | HSS-E PM | HSS | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | | |
| | C 2-3.5 | C 2-3.5 | C 2-3.5 | E 1.5-2 | C 2-3.5 | E 1.5-2 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | | B 3.5-5 | B 3.5-5 | B 3.5-5 | B 3.5-5 | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | E292 | E294 | E289 | E293 | E295 | E296 | E105 | E268 | E242 | E290 | E513 | EP10 | EP10TIN | EP11 | E299 | | |
| | M1.6 - M16 | M3 - M16 | M5 - M12 | M3 - M16 | M3 - M12 | M3 - M10 | M2.5 - M50 | M4 - M50 | M8 - M10 | M12 - M24 | M3 - M50 | M4 - M30 | M8 - M20 | M4 - M30 | M4 - M30 | | |
| | | | NEW | NEW | | | | | | | | | | | | | |
| AMG | 257 | 257 | 257 | 258 | 259 | 259 | 260 | 263 | 263 | 263 | 265 | 269 | 269 | 269 | 271 | ISO | |
| 1.1 | ■55 | ■55 | ■55 | ■55 | ■55 | ■55 | ●1 | ●12 | ●12 | ●12 | ●7 | ■25 | ■40 | ■25 | ■25 | P 1 | |
| 1.2 | ■50 | ■50 | ■50 | ■50 | ■50 | ■50 | ●1 | ●10 | ●10 | ●10 | ●6 | ■22 | ■40 | ■22 | ■22 | P 1 | |
| 1.3 | ■45 | ■45 | ■45 | ■45 | ■45 | ■45 | ●1 | ●8 | ●8 | ●8 | ●5 | ■18 | ■32 | ■18 | ■18 | P 2 | |
| 1.4 | ■40 | ■40 | ■40 | ■40 | ■40 | ■40 | ●1 | ●6 | ●6 | ●6 | ●4 | ■16 | ■27 | ■16 | ●16 | P 3 | |
| 1.5 | ●20 | ●20 | ●20 | ●20 | ●20 | ●20 | ●1 | ●5 | ●5 | ●5 | ●3 | ■10 | ■13 | ■10 | ●10 | P 4 | |
| 1.6 | | | | | | | | | | | | ●5 | ●11 | ●5 | | H 1 | |
| 1.7 | | | | | | | | | | | | | | | | | H 3 |
| 1.8 | | | | | | | | | | | | | | | | | H 4 |
| 2.1 | ■18 | ■18 | ■18 | ■18 | ■18 | ■18 | | | | | | ■8 | ●7 | | | M 1 | |
| 2.2 | ■15 | ■15 | ■15 | ■15 | ■15 | ■15 | | | | | | ■7 | ●6 | | | M 3 | |
| 2.3 | ●10 | ●10 | ●10 | ●10 | ●10 | ●10 | | | | | | ●5 | ●4 | | | M 2 | |
| 2.4 | | | | | | | | | | | | | | | | | S 2 |
| 3.1 | | | | | | | ●1 | ●14 | ●14 | ●14 | ●12 | ●15 | ●22 | ●15 | | | K 1 |
| 3.2 | | | | | | | ●1 | ●8 | ●8 | ●8 | ●7 | ●8 | ●18 | ●8 | | | K 2 |
| 3.3 | | | | | | | ●1 | ●12 | ●12 | ●12 | ●10 | ●15 | ●25 | ●15 | | | K 3 |
| 3.4 | | | | | | | ●1 | | | | ●5 | ●8 | ●18 | ●8 | | | K 4 |
| 4.1 | ■35 | ■35 | ■35 | ■35 | ■35 | ■35 | | | | | | ●10 | ●15 | | | | S 1 |
| 4.2 | | | | | | | | | | | | ●5 | ●7 | | | | S 2 |
| 4.3 | | | | | | | | | | | | | | | | | S 3 |
| 5.1 | ■20 | ■20 | ■20 | ■20 | ■20 | ■20 | | | | | | ●12 | ●18 | | | | S 1 |
| 5.2 | ●8 | ●8 | ●8 | ●8 | ●8 | ●8 | | | | | | ●5 | ●8 | | | | S 2 |
| 5.3 | | | | | | | | | | | | | | | | | S 3 |
| 6.1 | ●25 | ●25 | ●25 | ●25 | ●25 | ●25 | ●1 | | | | ●4 | ■12 | ■18 | | ■12 | | N 3 |
| 6.2 | | | | | | | ●1 | ●16 | ●16 | ●16 | ●10 | ■30 | ■45 | | ●30 | | N 4 |
| 6.3 | ●40 | ●40 | ●40 | ●40 | ●40 | ●40 | ●1 | ●12 | ●12 | ●12 | ●7 | ■20 | ■35 | | ■20 | | N 3 |
| 6.4 | | | | | | | ●1 | | | | ●2 | | | | | | N 4 |
| 7.1 | ■55 | ■55 | ■55 | ■55 | ■55 | ■55 | | | | | | ■16 | | | | | N 1 |
| 7.2 | ■55 | ■55 | ■55 | ■55 | ■55 | ■55 | ●1 | ●20 | ●20 | ●20 | ●12 | ■35 | | | | | N 1 |
| 7.3 | ■40 | ■40 | ■40 | ■40 | ■40 | ■40 | ●1 | ●12 | ●12 | ●12 | ●7 | ■20 | ■30 | | | | N 1 |
| 7.4 | ●25 | ●25 | ●25 | ●25 | ●25 | ●25 | ●1 | | | | ●5 | ■15 | ■22 | | | | N 2 |
| 8.1 | | | | | | | | | | | | ●30 | | | | | O |
| 8.2 | | | | | | | ●1 | ●8 | ●8 | ●8 | ●5 | | ●45 | | | | O |
| 8.3 | | | | | | | ●1 | | | | ●3 | | | | | | O |
| 9.1 | | | | | | | | | | | | | | | | | H |
| 10.1 | | | | | | | | | | | | | | | | | O |

| | MF | MF | MF | MF | MF | MF | MF | MF | MF | UNC | UNC | UNC | UNC | UNC | UNC | UNC | UNC | |
|------|------------|----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------|-----------|------------|--------------|-----------|------------|------------|-----------|--------------------|-----|
| | DIN 374 | ISO 529 | DIN 374 | DIN 374 | DIN 374 | DIN 374 | DIN 374 | ISO 529 | DIN 2174 | DIN 352 | DIN 371 | DIN 376 | ISO 529 | DIN 2184-1 | DIN 2184-1 | ISO 529 | DIN 2184-1 | |
| | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6H | 6HX | 2B | 2B | 2B | 2B | 2B | 2B | 2B | 2B | |
| | | | | | | | | | | | | | | | | | | |
| | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | 2XD | 2XD | 2.5XD | 3XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | |
| | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E | HSS | HSS-E PM | HSS-E PM | HSS | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | |
| | B 3.5-5 | B 3.5-5 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3.5 | C 2-3 | C 2-3 | C 2-3 | | B 3.5-5 | B 3.5-5 | B 3.5-5 | C 2-3 | |
| | | | $\lambda 45^\circ$ | $\lambda 45^\circ$ | $\lambda 45^\circ$ | $\lambda 40^\circ$ | $\lambda 40^\circ$ | $\lambda 45^\circ$ | | | | | | | | | $\lambda 45^\circ$ | |
| | | | | | | | | | | | | | | | | | | |
| | ST | ST | | TN | ST | | ST | ST | TN | | | | | | | ST | ST | |
| | | | | | | | | | | | | | | | | | | |
| | SHARK LINE | | | | | SHARK LINE | SHARK LINE | | | | | | | | | | | |
| | E384 | E011 | EX10 | EX10TIN | EX11 | E300 | E383 | E013 | E288 | E108 | E225 | E275 | E515 | EP20 | EP21 | E021 | EX20 | |
| | M6 - M20 | M4 - M24 | M4 - M30 | M8 - M20 | M4 - M30 | M4 - M30 | M6 - M20 | M4 - M22 | M5 - M12 | No.5 - 1" | No.2 - 1/4 | 5/16 - 1.1/2 | No.1 - 2" | No.4 - 1" | No.4 - 1" | No.2 - 1" | No.4 - 1" | |
| | | | | | | | | | NEW | | | | | | | | | |
| AMG | 272 | 273 | 274 | 274 | 274 | 276 | 277 | 278 | 279 | 280 | 281 | 281 | 282 | 284 | 284 | 285 | 286 | ISO |
| 1.1 | | ■25 | ■25 | ■40 | ■25 | ■25 | | ■25 | ■55 | ●1 | ●12 | ●12 | ●7 | ■25 | ■25 | ■25 | ■25 | P 1 |
| 1.2 | | ■22 | ■22 | ■40 | ■22 | ■22 | | ■22 | ■50 | ●1 | ●10 | ●10 | ●6 | ■22 | ■22 | ■22 | ■22 | P 1 |
| 1.3 | | ■18 | ■18 | ■32 | ■18 | ■18 | | ■18 | ■45 | ●1 | ●8 | ●8 | ●5 | ■18 | ■18 | ■18 | ■18 | P 2 |
| 1.4 | | ■16 | ■16 | ■27 | ■16 | ●16 | | ■16 | ■40 | ●1 | ●6 | ●6 | ●4 | ■16 | ■16 | ■16 | ■16 | P 3 |
| 1.5 | ●7 | ■10 | ■10 | ■13 | ■10 | ●10 | ●7 | ■10 | ●20 | ●1 | ●5 | ●5 | ●3 | ■10 | ■10 | ■10 | ■10 | P 4 |
| 1.6 | | ●5 | | | | | | | | | | | | ●5 | ●5 | ●5 | | H 1 |
| 1.7 | | | | | | | | | | | | | | | | | | H 3 |
| 1.8 | | | | | | | | | | | | | | | | | | H 4 |
| 2.1 | ■8 | ●7 | | ■8 | ■7 | | | ■8 | ●7 | ■18 | | | | | ●7 | ●7 | | M 1 |
| 2.2 | ■7 | ●6 | | ■7 | ■6 | | | ■7 | ●6 | ■15 | | | | | ●6 | ●6 | | M 3 |
| 2.3 | ■5 | ●4 | | ●5 | ●4 | | | ■5 | ●4 | ●10 | | | | | ●4 | ●4 | | M 2 |
| 2.4 | | | | | | | | | | | | | | | | | | S 2 |
| 3.1 | | ●15 | | ●22 | | | | | | ●1 | ●14 | ●14 | ●12 | ●15 | ●15 | ●15 | | K 1 |
| 3.2 | | ●8 | | ●18 | | | | | | ●1 | ●8 | ●8 | ●7 | ●8 | ●8 | ●8 | | K 2 |
| 3.3 | | ●15 | | ●25 | | | | | | ●1 | ●12 | ●12 | ●10 | ●15 | ●15 | ●15 | | K 3 |
| 3.4 | | ●8 | | ●18 | | | | | | ●1 | | | ●5 | ●8 | ●8 | ●8 | | K 4 |
| 4.1 | | | ●10 | ●15 | | | | | ■35 | | | | | ●10 | ●8 | | ●10 | S 1 |
| 4.2 | | | ●5 | ●7 | | | | | | | | | | ●5 | | | ●5 | S 2 |
| 4.3 | | | | | | | | | | | | | | | | | | S 3 |
| 5.1 | | | ●12 | ●18 | | | | | ■20 | | | | | ●12 | | | ●12 | S 1 |
| 5.2 | | | ●5 | ●8 | | | | | ●8 | | | | | ●5 | | | ●5 | S 2 |
| 5.3 | | | | | | | | | | | | | | | | | | S 3 |
| 6.1 | | | | | | ■12 | | | ●25 | ●1 | | | ●4 | ■12 | | | | N 3 |
| 6.2 | | | | | | ●30 | | | | ●1 | ●16 | ●16 | ●10 | ■30 | | | | N 4 |
| 6.3 | | | | | | ■20 | | | ●40 | ●1 | ●12 | ●12 | ●7 | ■20 | | | | N 3 |
| 6.4 | | | | | | | | | | ●1 | | | ●2 | | | | | N 4 |
| 7.1 | | | ■16 | | | | | | | ■55 | | | | ■16 | | | ■16 | N 1 |
| 7.2 | | | ■35 | | | | | | | ■55 | ●1 | ●20 | ●20 | ●12 | ■35 | | ■35 | N 1 |
| 7.3 | | | ■20 | ■30 | | | | | ■40 | ●1 | ●12 | ●12 | ●7 | ■20 | | ■20 | ■20 | N 1 |
| 7.4 | | | ■15 | ■22 | | | | | ●25 | ●1 | | | ●5 | ■15 | | ■15 | ■15 | N 2 |
| 8.1 | | | | | | | | | | | | | | ●30 | | | | O |
| 8.2 | | | | | | | | | | ●1 | ●8 | ●8 | ●5 | | | | | O |
| 8.3 | | | | | | | | | | ●1 | | | ●3 | | | | | O |
| 9.1 | | | | | | | | | | | | | | | | | | H |
| 10.1 | | | | | | | | | | | | | | | | | | O |

| | UNC | UNC | UNC | UNC | UNF | UNF | UNF | UNF | UNF | UNF | UNF | UNF | UNF | UNF | UNF | UN | BSW | | |
|------|------------|-----------|-------------|-------------|-----------|-------------|---------------|---------------|------------|------------|-----------|------------|------------|-----------|-------------|-------------|---------------|----------|-----|
| | DIN 2184-1 | ISO 529 | DORMER DIN | DIN 2184-1 | DIN 2181 | DIN 371 | DIN 374 | ISO 529 | DIN 2184-1 | DIN 2184-1 | ISO 529 | DIN 2184-1 | DIN 2184-1 | ISO 529 | DORMER DIN | DIN 2184-1 | ISO 529 | DIN 351 | |
| | 2B | 2B | 2B | 2BX | 2B | 2B | 2B | 2B | 2B | 2B | 2B | 2B | 2B | 2B | Medium | 2BX | 2B | Medium | |
| | | | | | | | | | | | | | | | | | | | |
| | HSS-E PM | HSS-E PM | HSS | HSS-E | HSS | HSS-E PM | HSS-E PM | HSS | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | HSS | HSS-E | HSS | HSS | |
| | C 2-3 | C 2-3 | C 2-3 | C 2-3.5 | C 2-3 | C 2-3 | C 2-3 | | C 2-3 | C 2-3 | B 3.5-5 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3.5 | C 2-3 | C 2-3 | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | ST | ST | ST | TM | | | | | | ST | ST | | ST | ST | ST | TM | | | |
| | | | | | | | | | | | | | | | | | | | |
| | EX21 | E023 | E651 | E287 | E111 | E229 | E278 | E524 | EP30 | EP31 | E031 | EX30 | EX31 | E033 | E654 | E286 | E570 | E115 | |
| | No.4 - 1" | No.2 - 1" | No.6 - 5/8" | No.4 - 1/2" | No.5 - 1" | No.2 - 1/4" | 5/16 - 1.1/2" | No.0 - 1.1/2" | No.8 - 1" | No.8 - 1" | No.8 - 1" | No.8 - 1" | No.8 - 1" | No.8 - 1" | No.8 - 5/8" | No.4 - 1/2" | 1/4 - 1.5/16" | 1/8 - 1" | |
| | | | NEW | | | | | | | | | | | | NEW | | | | |
| AMG | 286 | 287 | 288 | 289 | 290 | 291 | 291 | 292 | 294 | 294 | 295 | 296 | 296 | 297 | 298 | 299 | 300 | 301 | ISO |
| 1.1 | ■25 | ■25 | ●25 | ■55 | ●1 | ●12 | ●12 | ●7 | ■25 | ■25 | ■25 | ■25 | ■25 | ■25 | ●25 | ■55 | ●7 | ●1 | P 1 |
| 1.2 | ■22 | ■22 | ●22 | ■50 | ●1 | ●10 | ●10 | ●6 | ■22 | ■22 | ■22 | ■22 | ■22 | ■22 | ●22 | ■50 | ●6 | ●1 | P 1 |
| 1.3 | ■18 | ■18 | ●18 | ■45 | ●1 | ●8 | ●8 | ●5 | ■18 | ■18 | ■18 | ■18 | ■18 | ■18 | ●18 | ■45 | ●5 | ●1 | P 2 |
| 1.4 | ■16 | ■16 | ●15 | ■40 | ●1 | ●6 | ●6 | ●4 | ■16 | ■16 | ■16 | ■16 | ■16 | ■16 | ●15 | ■40 | ●4 | ●1 | P 3 |
| 1.5 | ■10 | ■10 | | ●20 | ●1 | ●5 | ●5 | ●3 | ■10 | ■10 | ■10 | ■10 | ■10 | ■10 | | ●20 | ●3 | ●1 | P 4 |
| 1.6 | | | | | | | | ●5 | ●5 | ●5 | | | | ●5 | | | | | H 1 |
| 1.7 | | | | | | | | | | | | | | | | | | | H 3 |
| 1.8 | | | | | | | | | | | | | | | | | | | H 4 |
| 2.1 | ■7 | ●7 | | ■18 | | | | | ●7 | ●7 | | | ■7 | ●7 | | ■18 | | | M 1 |
| 2.2 | ■6 | ●6 | | ■15 | | | | | ●6 | ●6 | | | ■6 | ●6 | | ■15 | | | M 3 |
| 2.3 | ●4 | ●4 | | ●10 | | | | | ●4 | ●4 | | | ●4 | ●4 | | ●10 | | | M 2 |
| 2.4 | | | | | | | | | | | | | | | | | | | S 2 |
| 3.1 | | | | | ●1 | ●14 | ●14 | ●12 | ●15 | ●15 | ●15 | | | | | | ●12 | ●1 | K 1 |
| 3.2 | | | ●8 | | ●1 | ●8 | ●8 | ●7 | ●8 | ●8 | ●8 | | | | ●8 | | ●7 | ●1 | K 2 |
| 3.3 | | | | | ●1 | ●12 | ●12 | ●10 | ●15 | ●15 | ●15 | | | | | | ●10 | ●1 | K 3 |
| 3.4 | | | | | ●1 | | | ●5 | ●8 | ●8 | ●8 | | | | | | ●5 | ●1 | K 4 |
| 4.1 | | | | ■35 | | | | | ●10 | | | ●10 | | | | ■35 | | | S 1 |
| 4.2 | | | | | | | | ●5 | | | | ●5 | | | | | | | S 2 |
| 4.3 | | | | | | | | | | | | | | | | | | | S 3 |
| 5.1 | | | | ■20 | | | | ●12 | | | | ●12 | | | | ■20 | | | S 1 |
| 5.2 | | | | ●8 | | | | ●5 | | | | ●5 | | | | ●8 | | | S 2 |
| 5.3 | | | | | | | | | | | | | | | | | | | S 3 |
| 6.1 | | | | ●25 | ●1 | | | ●4 | ■12 | | | | | | | ●25 | ●4 | ●1 | N 3 |
| 6.2 | | | ●30 | | ●1 | ●16 | ●16 | ●10 | ●30 | | | | | | ●30 | | ●10 | ●1 | N 4 |
| 6.3 | | | ●20 | ●40 | ●1 | ●12 | ●12 | ●7 | ■20 | | | | | ●20 | ●40 | ●7 | ●1 | | N 3 |
| 6.4 | | | | | ●1 | | | ●2 | | | | | | | | ●2 | ●1 | | N 4 |
| 7.1 | | ●18 | ■55 | | | | | | ■16 | | | ■16 | | | ●18 | ■55 | | | N 1 |
| 7.2 | | ●35 | ■55 | ●1 | ●20 | ●20 | ●12 | ■35 | | | | ■35 | | ●35 | ■55 | ●12 | ●1 | | N 1 |
| 7.3 | | | ■40 | ●1 | ●12 | ●12 | ●7 | ■20 | | | | ■20 | | | ■40 | ●7 | ●1 | | N 1 |
| 7.4 | | | ●25 | ●1 | | | ●5 | ■15 | | | | ■15 | | | ●25 | ●5 | ●1 | | N 2 |
| 8.1 | | ●30 | | | | | | ●30 | | | | | | | ●30 | | | | O |
| 8.2 | | | | | ●1 | ●8 | ●8 | ●5 | | | | | | | | | ●5 | ●1 | O |
| 8.3 | | | | | ●1 | | | ●3 | | | | | | | | | ●3 | ●1 | O |
| 9.1 | | | | | | | | | | | | | | | | | | | H |
| 10.1 | | | | | | | | | | | | | | | | | | | O |

| | BSW | BSW | BSW | BSF | BSF | BSF | BA | BA | BA | G | G | G | G | G | G | G | |
|------|----------|------------|-----------|-----------|------------|-----------|--------------|--------------|-------------|----------|-------------|----------|------------|------------|------------|-------------|-----|
| | ISO 529 | ISO 529 | ISO 529 | ISO 529 | ISO 529 | ISO 529 | ISO 529 | ISO 529 | ISO 529 | DIN 5157 | DIN 5156 | ISO 2284 | DIN 5156 | DIN 5156 | DORMER ISO | DIN 5156 | |
| | Medium | Medium | Medium | Medium | Medium | Medium | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | |
| | | | | | | | | | | | | | | | | | |
| | 1.5XD | 2.5XD | 2XD | 1.5XD | 2.5XD | 2XD | 1.5XD | 2.5XD | 2XD | 1.5XD | 1.5XD | 1.5XD | 2.5XD | 2.5XD | 2.5XD | 2.5XD | |
| | HSS | HSS | HSS | HSS | HSS | HSS | HSS | HSS | HSS | HSS | HSS-E PM | HSS | HSS-E PM | HSS-E PM | HSS-E PM | HSS-E PM | |
| | | B 3.5-5 | C 2-3 | | B 3.5-5 | C 2-3 | | B 3.5-5 | C 2-3 | C 2-3 | C 2-3 | | B 3.5-5 | B 3.5-5 | B 3.5-5 | C 2-3 | |
| | | | | | | | | | | | | | | | | | |
| | | | λ40° | | | λ40° | | | λ40° | | | | | | | λ45° | |
| | | | | | | | | | | | | | | | | | |
| | | ST | ST | | ST | ST | | ST | ST | | | | | ST | ST | | |
| | | | | | | | | | | | | | | | | | |
| | E531 | E534 | E533 | E536 | E539 | E538 | E542 | E545 | E544 | E119 | E282 | E547 | EP40 | EP41 | E041 | EX40 | |
| | 1/8 - 1" | 1/8 - 3/4 | 1/8 - 3/4 | 3/16 - 1" | 1/4 - 1/2 | 1/4 - 1/2 | No.10 - No.0 | No.10 - No.2 | No.8 - No.2 | 1/8 - 3" | 1/8 - 1.1/2 | 1/8 - 2" | 1/8 - 1" | 1/8 - 1" | 1/8 - 3/4 | 1/8 - 1.1/2 | |
| AMG | 302 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 315 | 316 | 317 | ISO |
| 1.1 | ●7 | ■20 | | ●22 | ■20 | | ●7 | ■20 | | ●1 | ●12 | ●7 | ■25 | ■25 | ■25 | ■25 | P 1 |
| 1.2 | ●6 | ■18 | ■18 | ●20 | ■18 | ■18 | ●6 | ■18 | ■18 | ●1 | ●10 | ●6 | ■22 | ■22 | ■22 | ■22 | P 1 |
| 1.3 | ●5 | ■14 | ■14 | ●16 | ■14 | ■14 | ●5 | ■14 | ■14 | ●1 | ●8 | ●5 | ■18 | ■18 | ■18 | ■18 | P 2 |
| 1.4 | ●4 | ■10 | ■10 | ●12 | ■10 | ■10 | ●4 | ■10 | ■10 | ●1 | ●6 | ●4 | ■16 | ■16 | ■16 | ■16 | P 3 |
| 1.5 | ●3 | ●5 | ●5 | ●7 | ●5 | ●5 | ●3 | ●5 | ●5 | ●1 | ●5 | ●3 | ■10 | ■10 | ■10 | ■10 | P 4 |
| 1.6 | | ●3 | | ●4 | ●3 | | | ●3 | | | | | ●5 | ●5 | ●5 | | H 1 |
| 1.7 | | | | | | | | | | | | | | | | | H 3 |
| 1.8 | | | | | | | | | | | | | | | | | H 4 |
| 2.1 | | ■6 | ■6 | ●7 | ■6 | ■6 | | ●6 | ■6 | | | | | ●7 | ●7 | | M 1 |
| 2.2 | | ■4 | ■4 | ●5 | ■4 | ■4 | | ●4 | ■4 | | | | | ●6 | ●6 | | M 3 |
| 2.3 | | ■3 | ■3 | ●7 | ■3 | ■3 | | ●3 | ■3 | | | | | ●4 | ●4 | | M 2 |
| 2.4 | | | | | | | | | | | | | | | | | S 2 |
| 3.1 | ●12 | | | ●12 | | | ●12 | | | ●1 | ●14 | ●12 | ●15 | ●15 | ●15 | | K 1 |
| 3.2 | ●7 | | | ●7 | | | ●7 | | | ●1 | ●8 | ●7 | ●8 | ●8 | ●8 | | K 2 |
| 3.3 | ●10 | | | ●10 | | | ●10 | | | ●1 | ●12 | ●10 | ●15 | ●15 | ●15 | | K 3 |
| 3.4 | ●5 | | | ●5 | | | ●5 | | | ●1 | | ●5 | ●8 | ●8 | ●8 | | K 4 |
| 4.1 | | | | | | | | | | | | | ●10 | | | ●10 | S 1 |
| 4.2 | | | | | | | | | | | | | ●5 | | | ●5 | S 2 |
| 4.3 | | ●3 | | | ●3 | | | ●3 | | | | | | | | | S 3 |
| 5.1 | | ●10 | | | ●10 | | | ●10 | | | | | ●12 | | | ●12 | S 1 |
| 5.2 | | ●4 | ●4 | | ●4 | ●4 | | ●4 | ●4 | | | | ●5 | | | ●5 | S 2 |
| 5.3 | | | | | | | | | | | | | | | | | S 3 |
| 6.1 | ●4 | ●10 | | ■12 | ●10 | | ●4 | ●10 | | ●1 | | ●4 | ■12 | | | | N 3 |
| 6.2 | ●10 | | | ●30 | | | ●10 | | | ●1 | ●16 | ●10 | ●30 | | | | N 4 |
| 6.3 | ●7 | ●15 | | ●20 | ●15 | | ●7 | ●15 | | ●1 | ●12 | ●7 | ■20 | | | | N 3 |
| 6.4 | ●2 | | | ●4 | | | ●2 | | | ●1 | | ●2 | | | | | N 4 |
| 7.1 | | ●10 | ●10 | | ●10 | ●10 | | ●10 | ●10 | | | | ■16 | | | ■16 | N 1 |
| 7.2 | ●12 | ●25 | ●25 | ●35 | ●25 | ●25 | ●12 | ●25 | ●25 | ●1 | ●20 | ●12 | ■35 | | | ■35 | N 1 |
| 7.3 | ●7 | ●13 | ●13 | ●20 | ●13 | ●13 | ●7 | ●13 | ●13 | ●1 | ●12 | ●7 | ■20 | | | ■20 | N 1 |
| 7.4 | ●5 | ●10 | ●10 | ●15 | ●10 | ●10 | ●5 | ●10 | ●10 | ●1 | | ●5 | ■15 | | | ■15 | N 2 |
| 8.1 | | ●20 | | | ●20 | | | ●20 | | | | | ●30 | | | ●30 | O |
| 8.2 | ●5 | | | ●12 | | | ●5 | | | ●1 | ●8 | ●5 | | | | | O |
| 8.3 | ●3 | | | ●7 | | | ●3 | | | ●1 | | ●3 | | | | | O |
| 9.1 | | | | | | | | | | | | | | | | | H |
| 10.1 | | | | | | | | | | | | | | | | | O |

| | G | G | G | EGM | EGM | Rc | NPT | NPT | NPT | NPT | NPT | NPTF | NPSF | NPSF | NPSM | PG | |
|------|-------------|----------|------------|------------|------------|----------|-------------|------------|------------|-------------|----------|--------------|------------|------------|------------|--------------|-----|
| | DIN 5156 | DIN 5156 | DORMER ISO | DORMER ISO | DORMER ISO | ISO 2284 | DORMER ANSI | ANSI B94.9 | ANSI B94.9 | ANSI B94.9 | ANSI | ANSI B94.9 | ANSI B94.9 | ANSI B94.9 | ANSI B94.9 | DIN 40432 | |
| | Normal | Normal | Normal | 6H | 6H | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | Normal | |
| | 2.5XD | 2XD | 2.5XD | 1.5XD | 2XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | 1.5XD | |
| | HSS-E PM | HSS-E PM | HSS-E PM | HSS | HSS | HSS | HSS-E PM | HSS | HSS | HSS | HSS | HSS | HSS | HSS | HSS | HSS | |
| | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | C 2-3 | | C 2-3 | C 2-3 | C 2-3 | C 2-3 | | |
| | λ45° | λ40° | λ45° | | λ40° | | | | | | | λ27° | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | EX41 | E382 | E043 | E620 | E621 | E550 | E714 | E710 | E721 | E711 | E653 | E712 | E709 | E720 | E708 | E243 | |
| | 1/8 - 1.1/2 | 1/8 - 1" | 1/8 - 3/4 | M3 - M16 | M3 - M16 | 1/8 - 2" | 1/8 - 1" | 1/16 - 2" | 1/8 - 1" | 1/8 - 1.1/2 | 1/8 - 1" | 1/16 - 1.1/4 | 1/8 - 3/4 | 1/8 - 3/4 | 1/8 - 1" | No.7 - No.36 | |
| AMG | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 324 | 325 | 326 | 327 | 328 | 328 | 329 | 330 | ISO |
| 1.1 | ■25 | | ■25 | ●7 | | ●22 | ●4 | ●4 | ●4 | ●4 | ●25 | ●4 | ●4 | ●4 | ●4 | ●12 | P 1 |
| 1.2 | ■22 | | ■22 | ●6 | ●18 | ●20 | ●4 | ●4 | ●4 | ●4 | ●22 | ●4 | ●4 | ●4 | ●4 | ●10 | P 1 |
| 1.3 | ■18 | | ■18 | ●5 | ●14 | ●16 | ■6 | ■6 | ■6 | ■6 | ●18 | ■6 | ■6 | ■6 | ■6 | ●8 | P 2 |
| 1.4 | ■16 | | ■16 | ●4 | ●10 | ●12 | ■5 | ■5 | ■5 | ■5 | ●15 | ■5 | ■5 | ■5 | ■5 | ●6 | P 3 |
| 1.5 | ■10 | ●7 | ■10 | ●3 | ●5 | ●7 | ●3 | ●3 | ●3 | ●3 | | ●3 | ●3 | ●3 | ●3 | ●5 | P 4 |
| 1.6 | | | ●5 | | | ●4 | | | | | | | | | | | H 1 |
| 1.7 | | | | | | | | | | | | | | | | | H 3 |
| 1.8 | | | | | | | | | | | | | | | | | H 4 |
| 2.1 | ■7 | ■8 | ●7 | | ●6 | ●7 | | | | | | | | | | | M 1 |
| 2.2 | ■6 | ■7 | ●6 | | ●4 | ●5 | | | | | | | | | | | M 3 |
| 2.3 | ●4 | ■5 | ●4 | | ●3 | ●7 | | | | | | | | | | | M 2 |
| 2.4 | | | | | | | | | | | | | | | | | S 2 |
| 3.1 | | | | ●12 | | ■12 | ●6 | ●6 | ■6 | ●6 | | ●6 | ●6 | ■6 | ●6 | ●14 | K 1 |
| 3.2 | | | | ●7 | | ■7 | ●4 | ●4 | ■4 | ●4 | ●8 | ●4 | ●4 | ■4 | ●4 | ●8 | K 2 |
| 3.3 | | | | ●10 | | ■10 | ●6 | ●6 | ■6 | ●6 | | ●6 | ●6 | ■6 | ●6 | ●12 | K 3 |
| 3.4 | | | | ●5 | | ■5 | ●4 | ●4 | ■4 | ●4 | | ●4 | ●4 | ■4 | ●4 | | K 4 |
| 4.1 | | | | | | | | | | | | | | | | | S 1 |
| 4.2 | | | | | | | | | | | | | | | | | S 2 |
| 4.3 | | | | | | | | | | | | | | | | | S 3 |
| 5.1 | | | | | | | | | | | | | | | | | S 1 |
| 5.2 | | | | | ●4 | | | | | | | | | | | | S 2 |
| 5.3 | | | | | | | | | | | | | | | | | S 3 |
| 6.1 | | | ●4 | | | ■12 | | | | | | | | | | | N 3 |
| 6.2 | | | ●10 | | | ●30 | ●11 | ●11 | ●11 | ●11 | ●30 | ●11 | ●11 | ●11 | ●11 | ●16 | N 4 |
| 6.3 | | | ●7 | | | ●20 | | | | | ●20 | | | | | ●12 | N 3 |
| 6.4 | | | ●2 | | | ●4 | | | | | | | | | | | N 4 |
| 7.1 | | | | ●10 | | | | | | | ●18 | | | | | | N 1 |
| 7.2 | | | | ●12 | ●25 | ●35 | | | | | ●35 | | | | | ●20 | N 1 |
| 7.3 | | | | ●7 | ●13 | ●20 | ●11 | ●11 | ●11 | ●11 | | ●11 | ●11 | ●11 | ●11 | ●12 | N 1 |
| 7.4 | | | | ●5 | ●10 | ●15 | ●7 | ●7 | ●7 | ●7 | | ●7 | ●7 | ●7 | ●7 | | N 2 |
| 8.1 | | | | | | | ●4 | ●4 | ●4 | ●4 | ●30 | ●4 | ●4 | ●4 | ●4 | | O |
| 8.2 | | | | ●5 | | ●12 | | | | | | | | | | ●8 | O |
| 8.3 | | | | ●3 | | ●7 | | | | | | | | | | | O |
| 9.1 | | | | | | | | | | | | | | | | | H |
| 10.1 | | | | | | | | | | | | | | | | | O |

| |  |  |  |  |  |  |  |  |  |  |  | ISO |
|------|---|---|---|---|---|---|--|---|---|--|--|-----|
| | L119 | L126 | L113 | L114 | L115 | L000 | L001 | L002 | L120 | L110 | L112 | |
| | Set | Set | Set | Set | Set | Set | Set | Set | Set | 16.00 - 4" | BT1 - No.7 | |
| | | | | | | NEW | NEW | NEW | | | NEW | |
| AMG | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 342 | 343 | ISO |
| 1.1 | | | | | | | | | | | | P1 |
| 1.2 | | | | | | | | | | | | P1 |
| 1.3 | | | | | | | | | | | | P2 |
| 1.4 | | | | | | | | | | | | P3 |
| 1.5 | | | | | | | | | | | | P4 |
| 1.6 | | | | | | | | | | | | H1 |
| 1.7 | | | | | | | | | | | | H3 |
| 1.8 | | | | | | | | | | | | H4 |
| 2.1 | | | | | | | | | | | | M1 |
| 2.2 | | | | | | | | | | | | M3 |
| 2.3 | | | | | | | | | | | | M2 |
| 2.4 | | | | | | | | | | | | S2 |
| 3.1 | | | | | | | | | | | | K1 |
| 3.2 | | | | | | | | | | | | K2 |
| 3.3 | | | | | | | | | | | | K3 |
| 3.4 | | | | | | | | | | | | K4 |
| 4.1 | | | | | | | | | | | | S1 |
| 4.2 | | | | | | | | | | | | S2 |
| 4.3 | | | | | | | | | | | | S3 |
| 5.1 | | | | | | | | | | | | S1 |
| 5.2 | | | | | | | | | | | | S2 |
| 5.3 | | | | | | | | | | | | S3 |
| 6.1 | | | | | | | | | | | | N3 |
| 6.2 | | | | | | | | | | | | N4 |
| 6.3 | | | | | | | | | | | | N3 |
| 6.4 | | | | | | | | | | | | N4 |
| 7.1 | | | | | | | | | | | | N1 |
| 7.2 | | | | | | | | | | | | N1 |
| 7.3 | | | | | | | | | | | | N1 |
| 7.4 | | | | | | | | | | | | N2 |
| 8.1 | | | | | | | | | | | | O |
| 8.2 | | | | | | | | | | | | O |
| 8.3 | | | | | | | | | | | | O |
| 9.1 | | | | | | | | | | | | H |
| 10.1 | | | | | | | | | | | | O |

NO1 - NO9



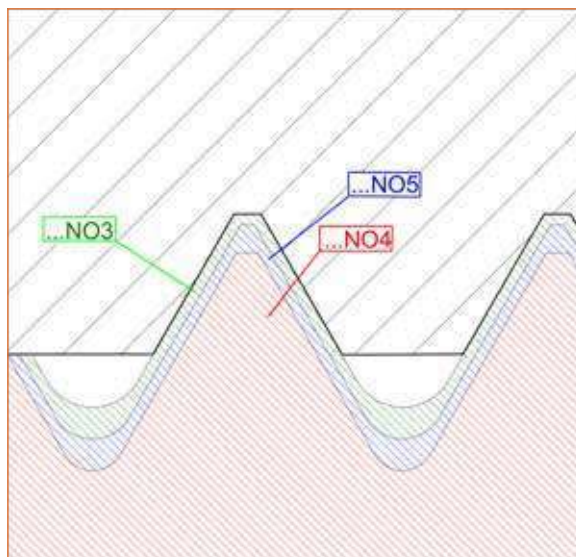
| | | | |
|-------|--|-----------------|--|
| NO1 = | | A 6-8 | |
| NO2 = | | B 4-6 | |
| NO3 = | | C 2-3 | |

ISO
 NO6 = NO1 + NO2 + NO3
 NO7 = NO2 + NO3 *

ANSI NO6 = NO1 (taper) + NO2 (plug) + NO3 (bottoming)

| | | | |
|-------|--|-------------------|--|
| NO4 = | | A 6-8 | |
| NO5 = | | B 3.5-5 | |

DIN
 ISO
 NO8 = NO3 + NO4 + NO5
 NO9 = NO3 + NO4



* E550
 E710 NO7 = NO3 (truncated) + NO3

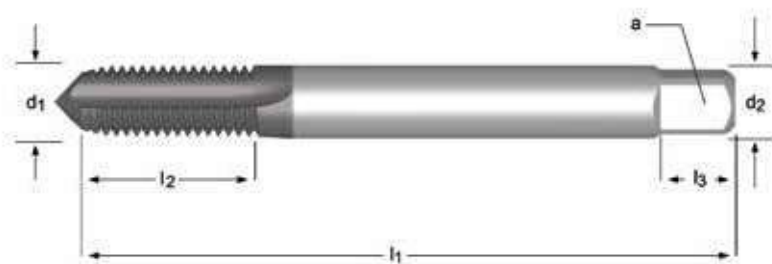
- T200**
- M strojní závitník
 - M Машинные метчики с прямой стружечной канавкой
 - M Gwintownik maszynowy, prosty rowek wiórowy
 - M strojový závitník

- T201**
- M strojní závitník, přímá drážka, vnitřní chlazení
 - M Машинный метчик с прямой канавкой и внутренним подводом СОЖ
 - M Gwintownik maszynowy prosty metryczny, chłodzenie wewnętrzne
 - M strojový závitník s priamou drážkou a vnútorným chladením


- T210**
- M strojní závitník
 - M Машинные метчики с прямой стружечной канавкой
 - M Gwintownik maszynowy, prosty rowek wiórowy
 - M strojový závitník

| | | |
|-------------|--------------------|------------------------------------|
| T200 | ▪ 1.7 | • 1.8 3.1 3.2 6.4 7.4 8.2 8.3 10.1 |
| T201 | ▪ 3.1 3.2 7.4 10.1 | • 3.3 3.4 6.4 7.3 8.2 8.3 |
| T210 | ▪ 1.8 | • 1.7 |

| | | | | | | | | | | | |
|-------------|---|-------------------|-----|--|-------|----|-------|--|--|---------|--|
| T200 | M | DIN 371 | 6H | | 2XD | HM | C 2-3 | | | TiCN | |
| T201 | M | DIN 371≤10 376>12 | 6HX | | 2.5XD | HM | C 2-3 | | | Super B | |
| T210 | M | DIN 371 | 6HX | | 2XD | HM | C 2-3 | | | TiCN | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | T200 | T201 | T210 |
|---|------|-------------------|-------------------|---------------------|--------|-------------------|---|-----|-------------------|--------|--------|--------|
| 3 | 0.50 | 56 | 10 | 3.5 | 2.7 | 6 | 3 | 2.6 | - | T200M3 | | |
| 3 | 0.50 | 56 | 8 | 3.5 | 2.7 | 6 | 4 | 2.6 | - | | | T210M3 |
| 4 | 0.70 | 63 | 11 | 4.5 | 3.4 | 6 | 5 | 3.4 | - | | | T210M4 |
| 4 | 0.70 | 63 | 13 | 4.5 | 3.4 | 6 | 3 | 3.4 | - | T200M4 | | |
| 5 | 0.80 | 70 | 13.5 | 6.0 | 4.9 | 8 | 5 | 4.3 | - | | | T210M5 |
| 5 | 0.80 | 70 | 16 | 6.0 | 4.9 | 8 | 3 | 4.3 | - | T200M5 | | |
| 5 | 0.80 | 70 | 16 | 6.0 | 4.9 | 8 | 4 | 4.3 | - | | T201M5 | |
| 6 | 1.00 | 80 | 16.5 | 6.0 | 4.9 | 8 | 5 | 5.1 | - | | | T210M6 |
| 6 | 1.00 | 80 | 19 | 6.0 | 4.9 | 8 | 3 | 5.1 | 30 | T200M6 | | |
| 6 | 1.00 | 80 | 19 | 6.0 | 4.9 | 8 | 4 | 5.1 | 30 | | T201M6 | |
| 8 | 1.25 | 90 | 21.5 | 8.0 | 6.2 | 9 | 5 | 6.9 | - | | | T210M8 |
| 8 | 1.25 | 90 | 22 | 8.0 | 6.2 | 9 | 3 | 6.9 | 35 | T200M8 | | |

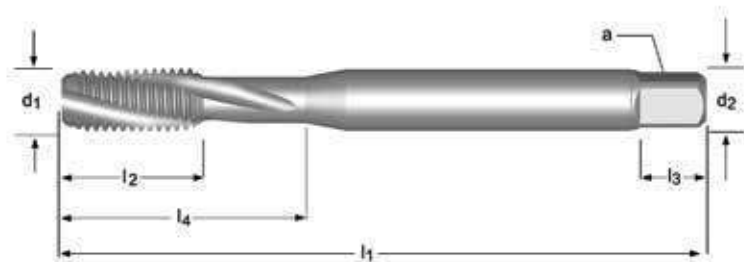
| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z |  | l ₄ mm | T200 | T201 | T210 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|---------|---------|---------|
| 8 | 1.25 | 90 | 22 | 8.0 | 6.2 | 9 | 4 | 6.9 | 35 | | T201M8 | |
| 10 | 1.50 | 100 | 24 | 10.0 | 8.0 | 11 | 3 | 8.7 | 39 | T200M10 | | |
| 10 | 1.50 | 100 | 24 | 10.0 | 8.0 | 11 | 4 | 8.7 | 39 | | T201M10 | |
| 10 | 1.50 | 100 | 27 | 10.0 | 8.0 | 11 | 5 | 8.7 | | | | T210M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.4 | - | T200M12 | | |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 4 | 10.4 | - | | T201M12 | |
| 12 | 1.75 | 110 | 32 | 12.0 | 9.0 | 12 | 6 | 10.4 | | | | T210M12 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 4 | 14.25 | - | | T201M16 | |

- ## T205
- M strojní závitník, šroubovice 15°
 - M Машинные метчики со спиральной стружечной канавкой 15°
 - M Gwintownik maszynowy skrzyty 15°
 - M strojový závitník, skrutkovica 15°

- ## T206
- M strojní závitník, šroubovice 15°, vnitřní chlazení
 - M Машинный метчик со спиральной канавкой 15° и внутренним подводом СОЖ
 - M Gwintownik maszynowy skrzyty 15°, chlôdzenie wewnętrzne
 - M strojový závitník, skrutkovica 15°, vnútorné chladenie

| | | | | | |
|------------|---|-----|-----|-----|-----|
| T205; T206 | ▪ | 3.3 | 3.4 | 7.3 | 7.4 |
| | • | 3.1 | 3.2 | 8.2 | 8.3 |

| | | | | | | | | | | | |
|------|---|-------------------------|----|--|-------|----|----------|--|--|--|--|
| T205 | M | DIN 371510 376>12 | 6H | | 2XD | HM | C 2-3 | | | | |
| T206 | M | DIN 371510 376>12 | 6H | | 2.5XD | HM | C 2-3 | | | | |



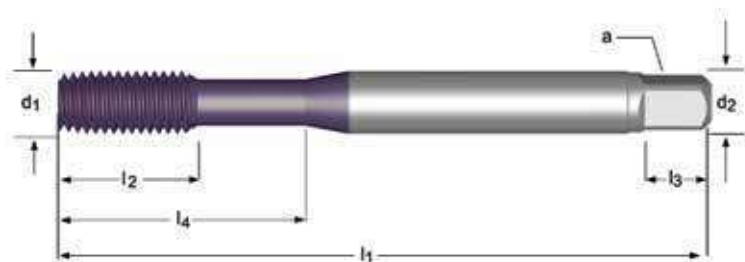
| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | T205 | T206 |
|----|---------|----------------------|----------------------|---------------------------|---------|----------------------|---|------|----------------------|---------|---------|
| 3 | 0.50 | 56 | 10 | 3.5 | 2.7 | 6 | 3 | 2.6 | - | T205M3 | |
| 4 | 0.70 | 63 | 13 | 4.5 | 3.4 | 6 | 3 | 3.4 | - | T205M4 | |
| 5 | 0.80 | 70 | 16 | 6.0 | 4.9 | 8 | 3 | 4.3 | - | T205M5 | T206M5 |
| 6 | 1.00 | 80 | 19 | 6.0 | 4.9 | 8 | 3 | 5.1 | 30 | T205M6 | T206M6 |
| 8 | 1.25 | 90 | 22 | 8.0 | 6.2 | 9 | 3 | 6.9 | 35 | T205M8 | T206M8 |
| 10 | 1.50 | 100 | 24 | 10.0 | 8.0 | 11 | 3 | 8.7 | 39 | T205M10 | T206M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.4 | - | T205M12 | T206M12 |

T215

- M strojní tvářecí závitník
- M Метчик-раскатник
- M Wygniatak maszynowy
- M strojový tvárňiaci závitník

T215 ■ 1.1 1.2 1.3 1.4 1.5 2.1 2.2 2.3 5.1 7.1 7.2 7.3
 • 2.4 5.2 6.1 6.3

T215

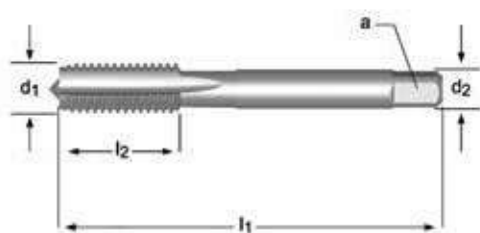


| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∇ a mm | l ₃ mm | z | | l ₄ mm | T215 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|-----|----------------------|---------|
| 3 | 0.50 | 56 | 10 | 3.5 | 2.7 | 6 | 4 | 2.8 | - | T215M3 |
| 4 | 0.70 | 63 | 13 | 4.5 | 3.4 | 6 | 5 | 3.7 | - | T215M4 |
| 5 | 0.80 | 70 | 16 | 6.0 | 4.9 | 8 | 5 | 4.6 | - | T215M5 |
| 6 | 1.00 | 80 | 19 | 6.0 | 4.9 | 8 | 5 | 5.5 | 30 | T215M6 |
| 8 | 1.25 | 90 | 22 | 8.0 | 6.2 | 9 | 5 | 7.4 | 35 | T215M8 |
| 10 | 1.50 | 100 | 24 | 10.0 | 8.0 | 11 | 5 | 9.3 | 39 | T215M10 |

- E100** • M Závítník ruční, přímá drážka
E102 • M Ручные метчики с прямой стружечной канавкой
E101 • M Gwintownik ręczny, prosty rowek wiórowy
E101 • M Závítník ručný, priama drážka


| | | | | | | | | | | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E100 | • | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 3.1 | 3.2 | 3.3 | 3.4 | 6.1 | 6.2 | 6.3 | 6.4 | 7.2 | 7.3 | 7.4 | 8.2 | 8.3 | | |
| E102 | • | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 4.3 | 5.1 | 5.2 | 5.3 | 6.1 | 6.2 |
| | | 6.3 | 6.4 | 7.2 | 7.3 | 7.4 | 8.2 | 8.3 | | | | | | | | | | | | | |
| E101 | • | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 3.1 | 3.2 | 3.3 | 3.4 | 6.1 | 6.2 | 6.3 | 6.4 | 7.2 | 7.3 | 7.4 | 8.2 | 8.3 | | |

| | | | | | | | | | | | | |
|-------------|---|---------|-----|--|-------|-------|-------|--|--|----|--|--|
| E100 | M | DIN 352 | 6H | | 1.5XD | HSS | C 2-3 | | | | | |
| E102 | M | DIN 352 | 6HX | | 1.5XD | HSS-E | C 2-3 | | | ST | | |
| E101 | M | DIN 352 | 6H | | 1.5XD | HSS | C 2-3 | | | | | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | z | | E100 | E102 | E101 |
|-----|------|-------------------|-------------------|---------------------|--------|---|------|-------------|------------|--------------------------|
| 1.6 | 0.35 | 32 | 7 | 2.5 | 2.1 | 3 | 1.25 | E100M1.6NO3 | | |
| 1.6 | 0.35 | 32 | 7 | 2.5 | 2.1 | 3 | 1.25 | E100M1.6NO8 | | |
| 2 | 0.40 | 36 | 8 | 2.8 | 2.1 | 3 | 1.6 | E100M2NO3 | | |
| 2 | 0.40 | 36 | 8 | 2.8 | 2.1 | 3 | 1.6 | E100M2NO8 | | |
| 2.5 | 0.45 | 40 | 9 | 2.8 | 2.1 | 3 | 2.05 | E100M2.5NO3 | | |
| 2.5 | 0.45 | 40 | 9 | 2.8 | 2.1 | 3 | 2.05 | E100M2.5NO8 | | |
| 3 | 0.50 | 40 | 10 | 3.5 | 2.7 | 3 | 2.5 | E100M3NO3 | | |
| 3 | 0.50 | 40 | 10 | 3.5 | 2.7 | 3 | 2.5 | E100M3NO8 | E102M3NO8 | ¹⁾ |
| 3.5 | 0.60 | 45 | 10 | 4.0 | 3.0 | 3 | 2.9 | E100M3.5NO3 | | |
| 3.5 | 0.60 | 45 | 10 | 4.0 | 3.0 | 3 | 2.9 | E100M3.5NO8 | | |
| 4 | 0.70 | 45 | 12 | 4.5 | 3.4 | 3 | 3.3 | E100M4NO3 | | E101M4NO3 |
| 4 | 0.70 | 45 | 12 | 4.5 | 3.4 | 3 | 3.3 | E100M4NO8 | E102M4NO8 | ¹⁾ E101M4NO8 |
| 5 | 0.80 | 50 | 14 | 6.0 | 4.9 | 3 | 4.2 | E100M5NO3 | | E101M5NO3 |
| 5 | 0.80 | 50 | 14 | 6.0 | 4.9 | 3 | 4.2 | E100M5NO8 | E102M5NO8 | ¹⁾ E101M5NO8 |
| 6 | 1.00 | 56 | 16 | 6.0 | 4.9 | 3 | 5 | E100M6NO3 | | E101M6NO3 |
| 6 | 1.00 | 56 | 16 | 6.0 | 4.9 | 3 | 5 | E100M6NO8 | E102M6NO8 | ¹⁾ E101M6NO8 |
| 7 | 1.00 | 56 | 16 | 6.0 | 4.9 | 3 | 6 | E100M7NO3 | | |
| 7 | 1.00 | 56 | 16 | 6.0 | 4.9 | 3 | 6 | E100M7NO8 | | |
| 8 | 1.25 | 63 | 19 | 6.0 | 4.9 | 3 | 6.8 | E100M8NO3 | | E101M8NO3 |
| 8 | 1.25 | 63 | 19 | 6.0 | 4.9 | 3 | 6.8 | E100M8NO8 | E102M8NO8 | ¹⁾ E101M8NO8 |
| 9 | 1.25 | 63 | 20 | 7.0 | 5.5 | 3 | 7.8 | E100M9NO3 | | |
| 9 | 1.25 | 63 | 20 | 7.0 | 5.5 | 3 | 7.8 | E100M9NO8 | | |
| 10 | 1.50 | 70 | 22 | 7.0 | 5.5 | 3 | 8.5 | E100M10NO3 | | E101M10NO3 |
| 10 | 1.50 | 70 | 22 | 7.0 | 5.5 | 3 | 8.5 | E100M10NO8 | E102M10NO8 | ¹⁾ E101M10NO8 |

¹⁾ NO4 s vodícím kolíkem / NO4 с направляющими / NO4 z prowadzeniem / NO4 s vodiacim čarom

| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | z |  | E100 | E102 | E101 |
|----|---------|----------------------|----------------------|---------------------------|--------------|---|---|------------|--------------------------|------------|
| 12 | 1.75 | 75 | 25 | 9.0 | 7.0 | 4 | 10.3 | E100M12NO3 | | E101M12NO3 |
| 12 | 1.75 | 75 | 25 | 9.0 | 7.0 | 4 | 10.3 | E100M12NO8 | E102M12NO8 ¹⁾ | E101M12NO8 |
| 14 | 2.00 | 80 | 25 | 11.0 | 9.0 | 4 | 12 | E100M14NO3 | | E101M14NO3 |
| 14 | 2.00 | 80 | 25 | 11.0 | 9.0 | 4 | 12 | E100M14NO8 | E102M14NO8 ¹⁾ | E101M14NO8 |
| 16 | 2.00 | 80 | 25 | 12.0 | 9.0 | 4 | 14 | E100M16NO3 | | E101M16NO3 |
| 16 | 2.00 | 80 | 25 | 12.0 | 9.0 | 4 | 14 | E100M16NO8 | E102M16NO8 ¹⁾ | E101M16NO8 |
| 18 | 2.50 | 95 | 32 | 14.0 | 11.0 | 4 | 15.5 | E100M18NO3 | | |
| 18 | 2.50 | 95 | 32 | 14.0 | 11.0 | 4 | 15.5 | E100M18NO8 | E102M18NO8 ¹⁾ | |
| 20 | 2.50 | 95 | 32 | 16.0 | 12.0 | 4 | 17.5 | E100M20NO3 | | |
| 20 | 2.50 | 95 | 32 | 16.0 | 12.0 | 4 | 17.5 | E100M20NO8 | E102M20NO8 ¹⁾ | |
| 22 | 2.50 | 100 | 34 | 18.0 | 14.5 | 4 | 19.5 | E100M22NO3 | | |
| 22 | 2.50 | 100 | 34 | 18.0 | 14.5 | 4 | 19.5 | E100M22NO8 | | |
| 24 | 3.00 | 110 | 38 | 18.0 | 14.5 | 4 | 21 | E100M24NO3 | | |
| 24 | 3.00 | 110 | 38 | 18.0 | 14.5 | 4 | 21 | E100M24NO8 | E102M24NO8 ¹⁾ | |
| 27 | 3.00 | 110 | 38 | 20.0 | 16.0 | 4 | 24 | E100M27NO3 | | |
| 27 | 3.00 | 110 | 38 | 20.0 | 16.0 | 4 | 24 | E100M27NO8 | E102M27NO8 ¹⁾ | |
| 30 | 3.50 | 125 | 45 | 22.0 | 18.0 | 4 | 26.5 | E100M30NO3 | | |
| 30 | 3.50 | 125 | 45 | 22.0 | 18.0 | 4 | 26.5 | E100M30NO8 | E102M30NO8 ¹⁾ | |
| 33 | 3.50 | 125 | 50 | 25.0 | 20.0 | 4 | 29.5 | E100M33NO3 | | |
| 33 | 3.50 | 125 | 50 | 25.0 | 20.0 | 4 | 29.5 | E100M33NO8 | | |
| 36 | 4.00 | 150 | 56 | 28.0 | 22.0 | 4 | 32 | E100M36NO3 | | |
| 36 | 4.00 | 150 | 56 | 28.0 | 22.0 | 4 | 32 | E100M36NO8 | | |
| 39 | 4.00 | 150 | 60 | 32.0 | 24.0 | 4 | 35 | E100M39NO3 | | |
| 39 | 4.00 | 150 | 60 | 32.0 | 24.0 | 4 | 35 | E100M39NO8 | | |
| 42 | 4.50 | 150 | 60 | 32.0 | 24.0 | 4 | 37.5 | E100M42NO3 | | |
| 42 | 4.50 | 150 | 60 | 32.0 | 24.0 | 4 | 37.5 | E100M42NO8 | | |
| 45 | 4.50 | 160 | 65 | 36.0 | 29.0 | 6 | 40.5 | E100M45NO3 | | |
| 45 | 4.50 | 160 | 65 | 36.0 | 29.0 | 6 | 40.5 | E100M45NO8 | | |
| 48 | 5.00 | 180 | 70 | 36.0 | 29.0 | 6 | 43 | E100M48NO3 | | |
| 48 | 5.00 | 180 | 70 | 36.0 | 29.0 | 6 | 43 | E100M48NO8 | | |
| 52 | 5.00 | 180 | 70 | 40.0 | 32.0 | 6 | 47 | E100M52NO3 | | |
| 52 | 5.00 | 180 | 70 | 40.0 | 32.0 | 6 | 47 | E100M52NO8 | | |



¹⁾ NO4 s vodičím kolíkem / NO4 с направляющими / NO4 z prowadzeniem / NO4 s vodičím čarom

E200 • M strojní závitník

Do vyprodání skladu dodáváno v HSS-E

E250 • M Машинные метчики с прямой стружечной канавкой

HSS-E до складирования новой продукции

E237 • M Gwintownik ręczny, prosty rowek wiórowy

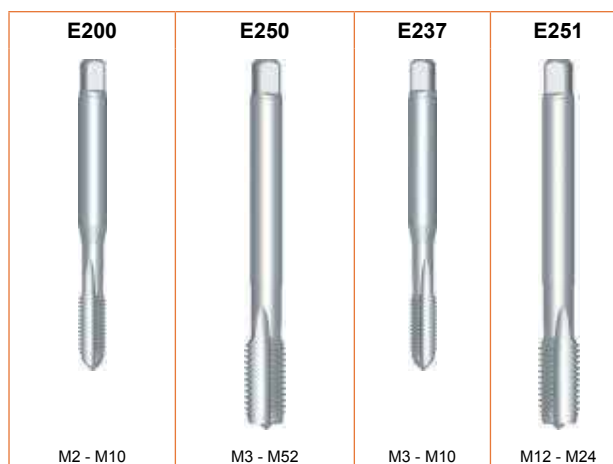
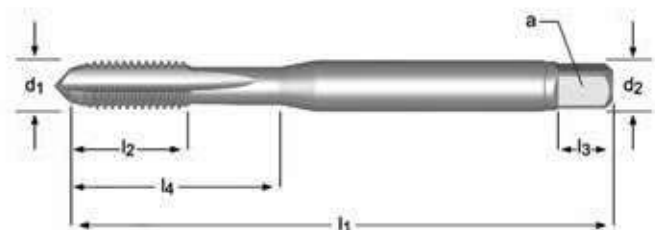
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E

E251 • M strojový závitník

Do vypredania skladu dodávané v HSS-E



E200; E250; E237; E251 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2

| | | | | | | | | | | | |
|------|---|---------|----|--|-------|----------|----------------|--|--|--|--|
| E200 | M | DIN 371 | 6H | | 1.5XD | HSS-E PM | A 6-8 C 2-3 | | | | |
| E250 | M | DIN 376 | 6H | | 1.5XD | HSS-E PM | A 6-8 C 2-3 | | | | |
| E237 | M | DIN 371 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |
| E251 | M | DIN 376 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | E200 | E250 | E237 | E251 |
|-----|------|-------------------|-------------------|---------------------|------|-------------------|---|------|-------------------|------------|-----------|---------|---------|
| 2 | 0.40 | 45 | 6 | 2.8 | 2.1 | 5 | 3 | 1.6 | 9 | E200M2 | | | |
| 2.5 | 0.45 | 50 | 8 | 2.8 | 2.1 | 5 | 3 | 2.05 | 12.5 | E200M2.5 | | | |
| 3 | 0.50 | 56 | 10 | 2.2 | 2.1 | 5 | 3 | 2.5 | | | E250M3 | | |
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E200M3 | | E237M3 | |
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E200M3NO1 | | | |
| 4 | 0.70 | 63 | 12 | 2.8 | 2.1 | 5 | 3 | 3.3 | | | E250M4 | | |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E200M4 | | E237M4 | |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E200M4NO1 | | | |
| 5 | 0.80 | 70 | 13 | 3.5 | 2.7 | 6 | 3 | 4.2 | | | E250M5 | | |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E200M5 | | E237M5 | |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E200M5NO1 | | | |
| 6 | 1.00 | 80 | 15 | 4.5 | 3.4 | 6 | 3 | 5.0 | | | E250M6 | | |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 5 | 30 | E200M6 | | E237M6 | |
| 6 | 1.00 | 80 | 15 | 4.5 | 3.4 | 6 | 3 | 5.0 | | | E250M6NO1 | | |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 5 | 30 | E200M6NO1 | | | |
| 8 | 1.25 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 6.8 | | | E250M8 | | |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E200M8 | | E237M8 | |
| 8 | 1.25 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 6.8 | | | E250M8NO1 | | |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E200M8NO1 | | | |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E200M10 | | E237M10 | |
| 10 | 1.50 | 100 | 20 | 7.0 | 5.5 | 8 | 3 | 8.5 | | | E250M10 | | |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E200M10NO1 | | | |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.3 | | | E250M12 | | |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 4 | 10.3 | | | | | E251M12 |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z |  | l ₄ mm | E200 | E250 | E237 | E251 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|------|------------|---|---------|
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.3 | | | E250M12NO1 | | |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 3 | 12.0 | | | E250M14 | | |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 4 | 12.0 | | | | | E251M14 |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 3 | 12.0 | | | E250M14NO1 | | |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 14.0 | | | E250M16 | | |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 4 | 14.0 | | | | | E251M16 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 14.0 | | | E250M16NO1 |  | |
| 18 | 2.50 | 125 | 30 | 14.0 | 11.0 | 14 | 3 | 15.5 | | | E250M18 | | |
| 18 | 2.50 | 125 | 30 | 14.0 | 11.0 | 14 | 4 | 15.5 | | | | | E251M18 |
| 18 | 2.50 | 125 | 30 | 14.0 | 11.0 | 14 | 3 | 15.5 | | | E250M18NO1 | | |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 3 | 17.5 | | | E250M20 | | |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 4 | 17.5 | | | | | E251M20 |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 3 | 17.5 | | | E250M20NO1 | | |
| 22 | 2.50 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 19.5 | | | E250M22 | | E251M22 |
| 22 | 2.50 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 19.5 | | | E250M22NO1 | | |
| 24 | 3.00 | 160 | 38 | 18.0 | 14.5 | 17 | 4 | 21.0 | | | E250M24 | | E251M24 |
| 27 | 3.00 | 160 | 38 | 20.0 | 16.0 | 19 | 4 | 24.0 | | | E250M27 | | |
| 30 | 3.50 | 180 | 45 | 22.0 | 18.0 | 21 | 4 | 26.5 | | | E250M30 | | |
| 33 | 3.50 | 180 | 50 | 25.0 | 20.0 | 23 | 4 | 29.5 | | | E250M33 | | |
| 36 | 4.00 | 200 | 55 | 28.0 | 22.0 | 25 | 4 | 32.0 | | | E250M36 | | |
| 39 | 4.00 | 200 | 60 | 32.0 | 24.0 | 27 | 4 | 35.0 | | | E250M39 | | |
| 42 | 4.50 | 200 | 60 | 32.0 | 24.0 | 27 | 4 | 37.5 | | | E250M42 | ¹⁾ | |
| 45 | 4.50 | 220 | 65 | 36.0 | 29.0 | 32 | 6 | 40.5 | | | E250M45 | ¹⁾ | |
| 48 | 5.00 | 250 | 70 | 36.0 | 29.0 | 32 | 6 | 43.0 | | | E250M48 | ¹⁾ | |
| 52 | 5.00 | 250 | 70 | 40.0 | 32.0 | 35 | 6 | 47.0 | | | E250M52 | ¹⁾ | |

E201

- M strojní závitník, bílý Shark

Do vyprodání skladu dodáváno v HSS-E

E252

- M Машинный метчик с прямой стружечной канавкой, White Shark

HSS-E до складирования новой продукции

E390

- M Gwintownik maszynowy metryczny z prostym rowkiem wiórowym, Biały Shark

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E

- M strojový závitník, bílý Shark

Do vypredania skladu dodávané v HSS-E

| | | | | | |
|------------------|---|-----|-----|-----|-----|
| E201; E252; E390 | ▪ | 3.1 | 3.2 | 3.3 | 8.2 |
| | • | 3.4 | 6.2 | 6.4 | 7.4 |

| | | | | | | | | | | | |
|------|---|----------------------|-----|--|-----|----------|-------|--|--|--|--|
| E201 | M | DIN 371 | 6HX | | 2XD | HSS-E PM | C 2-3 | | | | |
| E252 | M | DIN 376 | 6HX | | 2XD | HSS-E PM | C 2-3 | | | | |
| E390 | M | DIN 371<10 376>12 | 6HX | | 2XD | HSS-E PM | C 2-3 | | | | |

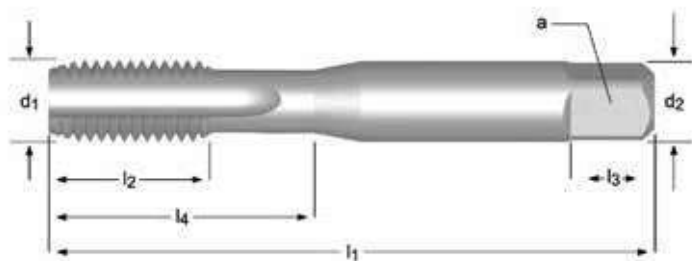


| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | E201 | E252 | E390 |
|----|------|-------------------|-------------------|---------------------|------|-------------------|---|------|-------------------|---------|---------|---------|
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E201M3 | | E390M3 |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 4 | 3.3 | 21 | E201M4 | | E390M4 |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 4 | 4.2 | 25 | E201M5 | | E390M5 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 4 | 5.0 | 30 | E201M6 | | E390M6 |
| 8 | 1.25 | 90 | 18 | 6.0 | 4.9 | 8 | 4 | 6.8 | | | E252M8 | |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 4 | 6.8 | 35 | E201M8 | | E390M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 4 | 8.5 | 39 | E201M10 | | E390M10 |
| 10 | 1.50 | 100 | 20 | 7.0 | 5.5 | 8 | 4 | 8.5 | | | E252M10 | |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 4 | 10.3 | | | E252M12 | E390M12 |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 4 | 12.0 | | | E252M14 | |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 4 | 14.0 | | | E252M16 | E390M16 |
| 18 | 2.50 | 125 | 30 | 14.0 | 11.0 | 14 | 4 | 15.5 | | | E252M18 | |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 4 | 17.5 | | | E252M20 | E390M20 |
| 22 | 2.50 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 19.5 | | | E252M22 | |
| 24 | 3.00 | 160 | 38 | 18.0 | 14.5 | 17 | 4 | 21.0 | | | E252M24 | |

- E500** • M strojní závitník
E501 • M Машинные метчики с прямой стружечной канавкой
E504 • M Gwintownik maszynowy, prosty rowek wiórowy
 • M strojový závitník



| | | | | | | | | | | | | | | | | | | | |
|------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E500; E501 | • | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 3.1 | 3.2 | 3.3 | 3.4 | 6.1 | 6.2 | 6.3 | 6.4 | 7.2 | 7.3 | 7.4 | 8.2 | 8.3 |
| E504 | ▪ | 3.1 | 3.2 | 3.3 | | | | | | | | | | | | | | | |
| | • | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 3.4 | 6.2 | 6.3 | 6.4 | 7.2 | 7.3 | 7.4 | 8.2 | 8.3 | | | | |



| | | | | | | | | | | | | | |
|-------------|---|---------|----|--|-------|-----|--|--|--|--|--|--|--|
| E500 | M | ISO 529 | 6H | | 1.5XD | HSS | | | | | | | |
| E501 | M | ISO 529 | 6H | | 1.5XD | HSS | | | | | | | |
| E504 | M | ISO 529 | 6H | | 1.5XD | HSS | | | | | | | |




| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∅ a mm | l ₃ mm | z | | l ₄ mm | E500 | E501 | E504 |
|-----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|-------------|---------------|------|
| 1 | 0.25 | 38 | 4.5 | 2.50 | 2.00 | 4 | 2 | 0.75 | 4.5 | E500M1NO1 | ¹⁾ | |
| 1 | 0.25 | 38 | 4.5 | 2.50 | 2.00 | 4 | 2 | 0.75 | 4.5 | E500M1NO2 | ¹⁾ | |
| 1 | 0.25 | 38 | 4.5 | 2.50 | 2.00 | 4 | 2 | 0.75 | 4.5 | E500M1NO3 | ¹⁾ | |
| 1.2 | 0.25 | 38 | 4.5 | 2.50 | 2.00 | 4 | 2 | 0.95 | 4.5 | E500M1.2NO1 | ¹⁾ | |
| 1.2 | 0.25 | 38 | 4.5 | 2.50 | 2.00 | 4 | 2 | 0.95 | 4.5 | E500M1.2NO2 | ¹⁾ | |
| 1.2 | 0.25 | 38 | 4.5 | 2.50 | 2.00 | 4 | 2 | 0.95 | 4.5 | E500M1.2NO3 | ¹⁾ | |
| 1.4 | 0.30 | 40 | 6 | 2.50 | 2.00 | 4 | 2 | 1.1 | 6 | E500M1.4NO1 | ¹⁾ | |
| 1.4 | 0.30 | 40 | 6 | 2.50 | 2.00 | 4 | 2 | 1.1 | 6 | E500M1.4NO2 | ¹⁾ | |
| 1.4 | 0.30 | 40 | 6 | 2.50 | 2.00 | 4 | 2 | 1.1 | 6 | E500M1.4NO3 | ¹⁾ | |
| 1.6 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.25 | 8 | E500M1.6NO1 | | |
| 1.6 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.25 | 8 | E500M1.6NO2 | | |
| 1.6 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.25 | 8 | E500M1.6NO3 | | |
| 1.6 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.25 | 8 | E500M1.6NO6 | | |
| 1.7 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.35 | 8 | E500M1.7NO1 | | |
| 1.7 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.35 | 8 | E500M1.7NO2 | | |
| 1.7 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.35 | 8 | E500M1.7NO3 | | |
| 1.7 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.35 | 8 | E500M1.7NO6 | | |
| 1.7 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.35 | 8 | E500M1.7NO8 | | |

1)

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z |  | l ₄ mm | E500 | E501 | E504 |
|-----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|----------------|---|-----------|
| 1.8 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.45 | 8 | E500M1.8NO1 | | |
| 1.8 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.45 | 8 | E500M1.8NO2 | | |
| 1.8 | 0.35 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.45 | 8 | E500M1.8NO3 | | |
| 2 | 0.40 | 41 | 8 | 2.50 | 2.00 | 4 | 3 | 1.6 | 8 | E500M2NO1 | | |
| 2 | 0.45 | 41 | 8 | 2.50 | 2.00 | 4 | 3 | 1.55 | 8 | E500M2X.45NO1 | | |
| 2 | 0.40 | 41 | 8 | 2.50 | 2.00 | 4 | 3 | 1.6 | 8 | E500M2NO2 | | |
| 2 | 0.45 | 41 | 8 | 2.50 | 2.00 | 4 | 3 | 1.55 | 8 | E500M2X.45NO2 | | |
| 2 | 0.40 | 41 | 8 | 2.50 | 2.00 | 4 | 3 | 1.6 | 8 | E500M2NO3 | | |
| 2 | 0.45 | 41 | 8 | 2.50 | 2.00 | 4 | 3 | 1.55 | 8 | E500M2X.45NO3 | | |
| 2 | 0.40 | 41 | 8 | 2.50 | 2.00 | 4 | 3 | 1.6 | 8 | E500M2NO6 | | |
| 2 | 0.40 | 41 | 8 | 2.50 | 2.00 | 4 | 3 | 1.6 | 8 | E500M2NO8 | | |
| 2.2 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.75 | 9.5 | E500M2.2NO1 | | |
| 2.2 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.75 | 9.5 | E500M2.2NO2 | | |
| 2.2 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.75 | 9.5 | E500M2.2NO3 | | |
| 2.3 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.85 | 9.5 | E500M2.3NO1 | | |
| 2.3 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.85 | 9.5 | E500M2.3NO2 | | |
| 2.3 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.85 | 9.5 | E500M2.3NO3 | | |
| 2.5 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.05 | 9.5 | E500M2.5NO1 | | |
| 2.5 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.05 | 9.5 | E500M2.5NO2 | | |
| 2.5 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.05 | 9.5 | E500M2.5NO3 | | |
| 2.5 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.05 | 9.5 | E500M2.5NO6 | | |
| 2.5 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.05 | 9.5 | E500M2.5NO8 | NO1-NO9 | |
| 2.6 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.15 | 9.5 | E500M2.6NO1 |  | |
| 2.6 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.15 | 9.5 | E500M2.6NO2 | 219 | |
| 2.6 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.15 | 9.5 | E500M2.6NO3 | | |
| 3 | 0.50 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.5 | 12.5 | E500M3NO1 | E501M3NO1 | |
| 3 | 0.60 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.4 | 12.5 | E500M3X.6NO1 | | |
| 3 | 0.50 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.5 | 12.5 | E500M3NO2 | E501M3NO2 | |
| 3 | 0.60 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.4 | 12.5 | E500M3X.6NO2 | | |
| 3 | 0.50 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.5 | 12.5 | E500M3NO3 | E501M3NO3 | E504M3NO3 |
| 3 | 0.60 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.4 | 12.5 | E500M3X.6NO3 | | |
| 3 | 0.50 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.5 | 12.5 | E500M3NO6 | | |
| 3 | 0.50 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.5 | 12.5 | E500M3NO7 | | |
| 3 | 0.50 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.5 | 12.5 | E500M3NO8 | | |
| 3.5 | 0.60 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.9 | 14 | E500M3.5NO1 | | |
| 3.5 | 0.60 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.9 | 14 | E500M3.5NO2 | | |
| 3.5 | 0.60 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.9 | 14 | E500M3.5NO3 | | |
| 3.5 | 0.60 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.9 | 14 | E500M3.5NO6 | | |
| 4 | 0.70 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.3 | 14 | E500M4NO1 | E501M4NO1 | |
| 4 | 0.75 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.25 | 14 | E500M4X.75NO1 | | |
| 4 | 0.70 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.3 | 14 | E500M4NO2 | E501M4NO2 | |
| 4 | 0.75 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.25 | 14 | E500M4X.75NO2 | | |
| 4 | 0.70 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.3 | 14 | E500M4NO3 | E501M4NO3 | E504M4NO3 |
| 4 | 0.75 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.25 | 14 | E500M4X.75NO3 | | |
| 4 | 0.70 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.3 | 14 | E500M4NO6 | | |
| 4 | 0.70 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.3 | 14 | E500M4NO7 | | |
| 4 | 0.70 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.3 | 14 | E500M4NO8 | | |
| 4.5 | 0.75 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.8 | 18 | E500M4.5NO1 | | |
| 4.5 | 0.75 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.8 | 18 | E500M4.5NO2 | | |
| 4.5 | 0.75 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.8 | 18 | E500M4.5NO3 | | |
| 4.5 | 0.75 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.8 | 18 | E500M4.5NO6 | | |
| 5 | 0.80 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.2 | 22 | E500M5NO1 | | |
| 5 | 0.90 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.1 | 22 | E500M5X.9NO1 | | |
| 5 | 0.80 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.2 | 22 | E500M5NO2 | E501M5NO2 | |
| 5 | 0.90 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.1 | 22 | E500M5X.9NO2 | | |
| 5 | 0.80 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.2 | 22 | E500M5NO3 | E501M5NO3 | E504M5NO3 |
| 5 | 0.90 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.1 | 22 | E500M5X.9NO3 | | |
| 5 | 0.80 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.2 | 22 | E500M5NO6 | | |
| 5 | 0.80 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.2 | 22 | E500M5NO7 | | |
| 5 | 0.80 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.2 | 22 | E500M5NO8 | | |
| 5.5 | 0.90 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.6 | 21 | E500M5.5X.9NO1 | | |
| 5.5 | 0.90 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.6 | 21 | E500M5.5X.9NO2 | | |
| 5.5 | 0.90 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.6 | 21 | E500M5.5X.9NO3 | | |
| 6 | 1.00 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5 | 26 | E500M6NO1 | E501M6NO1 | |
| 6 | 1.00 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5 | 26 | E500M6NO2 | E501M6NO2 | |
| 6 | 1.00 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5 | 26 | E500M6NO3 | E501M6NO3 | E504M6NO3 |
| 6 | 1.00 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5 | 26 | E500M6NO6 | | |
| 6 | 1.00 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5 | 26 | E500M6NO7 | | |
| 6 | 1.00 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5 | 26 | E500M6NO8 | | |
| 7 | 1.00 | 66 | 13 | 7.10 | 5.60 | 8 | 3 | 6 | 26 | E500M7NO1 | | |

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∅ a mm | l ₃ mm | z |  | l ₄ mm | E500 | E501 | E504 |
|----|---------|----------------------|----------------------|------------------------|-----------|----------------------|---|---|----------------------|------------|---|------------|
| 7 | 1.00 | 66 | 13 | 7.10 | 5.60 | 8 | 3 | 6 | 26 | E500M7NO2 | | |
| 7 | 1.00 | 66 | 13 | 7.10 | 5.60 | 8 | 3 | 6 | 26 | E500M7NO3 | | |
| 7 | 1.00 | 66 | 13 | 7.10 | 5.60 | 8 | 3 | 6 | 26 | E500M7NO6 | | |
| 8 | 1.25 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.8 | 29 | E500M8NO1 | E501M8NO1 | |
| 8 | 1.25 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.8 | 29 | E500M8NO2 | E501M8NO2 | |
| 8 | 1.25 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.8 | 29 | E500M8NO3 | E501M8NO3 | E504M8NO3 |
| 8 | 1.25 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.8 | 29 | E500M8NO6 | | |
| 8 | 1.25 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.8 | 29 | E500M8NO7 | | |
| 8 | 1.25 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.8 | 29 | E500M8NO8 | | |
| 9 | 1.25 | 72 | 16 | 9.00 | 7.10 | 10 | 3 | 7.8 | 29 | E500M9NO1 | | |
| 9 | 1.25 | 72 | 16 | 9.00 | 7.10 | 10 | 3 | 7.8 | 29 | E500M9NO2 | | |
| 9 | 1.25 | 72 | 16 | 9.00 | 7.10 | 10 | 3 | 7.8 | 29 | E500M9NO3 | | |
| 9 | 1.25 | 72 | 16 | 9.00 | 7.10 | 10 | 3 | 7.8 | 29 | E500M9NO6 | | |
| 10 | 1.50 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 34 | E500M10NO1 | E501M10NO1 | |
| 10 | 1.50 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 34 | E500M10NO2 | E501M10NO2 | |
| 10 | 1.50 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 34 | E500M10NO3 | E501M10NO3 | E504M10NO3 |
| 10 | 1.50 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 34 | E500M10NO6 | | |
| 10 | 1.50 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 34 | E500M10NO7 | | |
| 10 | 1.50 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 34 | E500M10NO8 | | |
| 11 | 1.50 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.5 | - | E500M11NO1 |  | |
| 11 | 1.50 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.5 | - | E500M11NO2 | | |
| 11 | 1.50 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.5 | - | E500M11NO3 | | |
| 11 | 1.50 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.5 | - | E500M11NO6 | | |
| 12 | 1.75 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E500M12NO1 | E501M12NO1 | |
| 12 | 1.75 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E500M12NO2 | E501M12NO2 | |
| 12 | 1.75 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E500M12NO3 | E501M12NO3 | |
| 12 | 1.75 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E500M12NO6 | | |
| 12 | 1.75 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E500M12NO7 | | |
| 12 | 1.75 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E500M12NO8 | | |
| 14 | 2.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12 | - | E500M14NO1 | E501M14NO1 | |
| 14 | 2.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12 | - | E500M14NO2 | E501M14NO2 | |
| 14 | 2.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12 | - | E500M14NO3 | E501M14NO3 | |
| 14 | 2.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12 | - | E500M14NO6 | | |
| 14 | 2.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12 | - | E500M14NO7 | | |
| 14 | 2.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12 | - | E500M14NO8 | | |
| 16 | 2.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14 | - | E500M16NO1 | E501M16NO1 | |
| 16 | 2.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14 | - | E500M16NO2 | E501M16NO2 | |
| 16 | 2.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14 | - | E500M16NO3 | E501M16NO3 | |
| 16 | 2.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14 | - | E500M16NO6 | | |
| 16 | 2.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14 | - | E500M16NO7 | | |
| 16 | 2.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14 | - | E500M16NO8 | | |
| 18 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 15.5 | - | E500M18NO1 | | |
| 18 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 15.5 | - | E500M18NO2 | | |
| 18 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 15.5 | - | E500M18NO3 | E501M18NO3 | |
| 18 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 15.5 | - | E500M18NO6 | | |
| 20 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E500M20NO1 | E501M20NO1 | |
| 20 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E500M20NO2 | E501M20NO2 | |
| 20 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E500M20NO3 | E501M20NO3 | |
| 20 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E500M20NO6 | | |
| 20 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E500M20NO7 | | |
| 20 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E500M20NO8 | | |
| 22 | 2.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E500M22NO1 | | |
| 22 | 2.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E500M22NO2 | | |
| 22 | 2.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E500M22NO3 | E501M22NO3 | |
| 22 | 2.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E500M22NO6 | | |
| 24 | 3.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 21 | - | E500M24NO1 | | |
| 24 | 3.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 21 | - | E500M24NO2 | E501M24NO2 | |
| 24 | 3.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 21 | - | E500M24NO3 | E501M24NO3 | |
| 24 | 3.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 21 | - | E500M24NO6 | | |
| 24 | 3.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 21 | - | E500M24NO7 | | |
| 27 | 3.00 | 135 | 35 | 20.00 | 16.00 | 20 | 4 | 24 | - | E500M27NO1 | | |
| 27 | 3.00 | 135 | 35 | 20.00 | 16.00 | 20 | 4 | 24 | - | E500M27NO2 | | |
| 27 | 3.00 | 135 | 35 | 20.00 | 16.00 | 20 | 4 | 24 | - | E500M27NO3 | | |
| 30 | 3.50 | 138 | 41 | 20.00 | 16.00 | 20 | 4 | 26.5 | - | E500M30NO1 | | |
| 30 | 3.50 | 138 | 41 | 20.00 | 16.00 | 20 | 4 | 26.5 | - | E500M30NO2 | | |
| 30 | 3.50 | 138 | 41 | 20.00 | 16.00 | 20 | 4 | 26.5 | - | E500M30NO3 | | |
| 33 | 3.50 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 29.5 | - | E500M33NO1 | | |
| 33 | 3.50 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 29.5 | - | E500M33NO2 | | |
| 33 | 3.50 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 29.5 | - | E500M33NO3 | | |
| 36 | 4.00 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 32 | - | E500M36NO1 | | |

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z |  | l ₄ mm | E500 | E501 | E504 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|------------|------|------|
| 36 | 4.00 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 32 | - | E500M36NO2 | | |
| 36 | 4.00 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 32 | - | E500M36NO3 | | |
| 39 | 4.00 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 35 | - | E500M39NO1 | | |
| 39 | 4.00 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 35 | - | E500M39NO2 | | |
| 39 | 4.00 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 35 | - | E500M39NO3 | | |
| 42 | 4.50 | 170 | 53 | 28.00 | 22.40 | 26 | 6 | 37.5 | - | E500M42NO1 | | |
| 42 | 4.50 | 170 | 53 | 28.00 | 22.40 | 26 | 6 | 37.5 | - | E500M42NO2 | | |
| 42 | 4.50 | 170 | 53 | 28.00 | 22.40 | 26 | 6 | 37.5 | - | E500M42NO3 | | |
| 45 | 4.50 | 187 | 54 | 31.50 | 25.00 | 28 | 6 | 40.5 | - | E500M45NO1 | | |
| 45 | 4.50 | 187 | 54 | 31.50 | 25.00 | 28 | 6 | 40.5 | - | E500M45NO2 | | |
| 45 | 4.50 | 187 | 54 | 31.50 | 25.00 | 28 | 6 | 40.5 | - | E500M45NO3 | | |
| 48 | 5.00 | 187 | 60 | 31.50 | 25.00 | 28 | 6 | 43 | - | E500M48NO1 | | |
| 48 | 5.00 | 187 | 60 | 31.50 | 25.00 | 28 | 6 | 43 | - | E500M48NO2 | | |
| 48 | 5.00 | 187 | 60 | 31.50 | 25.00 | 28 | 6 | 43 | - | E500M48NO3 | | |
| 52 | 5.00 | 200 | 60 | 35.50 | 28.00 | 31 | 6 | 47 | - | E500M52NO3 | | |
| 56 | 5.50 | 200 | 60 | 35.50 | 28.00 | 31 | 6 | 50.5 | - | E500M56NO3 | | |



E303

- M strojní závitník
- M Машинные метчики с прямой стружечной канавкой
- M Gwintownik maszynowy, prosty rowek wiórowy
- M strojový závitník

E303 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2

E303

M

DIN
357

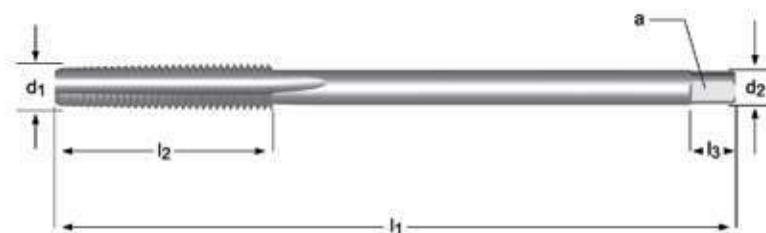
6H



2XD

HSS-E

D18-20
C2-3



E303



M3 - M20

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z | | E303 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|------------|
| 3 | 0.50 | 70 | 22 | 2.2 | 2.1 | 5 | 3 | 2.5 | E303M3NO1 |
| 3 | 0.50 | 70 | 22 | 2.2 | 2.1 | 5 | 3 | 2.5 | E303M3NO3 |
| 4 | 0.70 | 90 | 25 | 2.8 | 2.1 | 5 | 3 | 3.3 | E303M4NO1 |
| 4 | 0.70 | 90 | 25 | 2.8 | 2.1 | 5 | 3 | 3.3 | E303M4NO3 |
| 5 | 0.80 | 100 | 28 | 3.5 | 2.7 | 6 | 3 | 4.2 | E303M5NO1 |
| 5 | 0.80 | 100 | 28 | 3.5 | 2.7 | 6 | 3 | 4.2 | E303M5NO3 |
| 6 | 1.00 | 110 | 32 | 4.5 | 3.4 | 6 | 3 | 5.0 | E303M6NO1 |
| 6 | 1.00 | 110 | 32 | 4.5 | 3.4 | 6 | 3 | 5.0 | E303M6NO3 |
| 8 | 1.25 | 125 | 40 | 6.0 | 4.9 | 8 | 3 | 6.8 | E303M8NO1 |
| 8 | 1.25 | 125 | 40 | 6.0 | 4.9 | 8 | 3 | 6.8 | E303M8NO3 |
| 10 | 1.50 | 140 | 45 | 7.0 | 5.5 | 8 | 3 | 8.5 | E303M10NO1 |
| 10 | 1.50 | 140 | 45 | 7.0 | 5.5 | 8 | 3 | 8.5 | E303M10NO3 |
| 12 | 1.75 | 180 | 50 | 9.0 | 7.0 | 10 | 3 | 10.3 | E303M12NO1 |
| 12 | 1.75 | 180 | 50 | 9.0 | 7.0 | 10 | 3 | 10.3 | E303M12NO3 |
| 14 | 2.00 | 200 | 56 | 11.0 | 9.0 | 12 | 3 | 12.0 | E303M14NO1 |
| 14 | 2.00 | 200 | 56 | 11.0 | 9.0 | 12 | 3 | 12.0 | E303M14NO3 |
| 16 | 2.00 | 200 | 63 | 12.0 | 9.0 | 12 | 3 | 14.0 | E303M16NO1 |
| 16 | 2.00 | 200 | 63 | 12.0 | 9.0 | 12 | 3 | 14.0 | E303M16NO3 |
| 20 | 2.50 | 250 | 70 | 16.0 | 12.0 | 15 | 3 | 17.5 | E303M20NO1 |
| 20 | 2.50 | 250 | 70 | 16.0 | 12.0 | 15 | 3 | 17.5 | E303M20NO3 |

NO1-NO3

219

E600

- M strojní závitník, extra dlouhý
- M Машинные метчики, сверхдлинные с прямой стружечной канавкой

Do vyprodání skladu dodáváno v HSS-E

E610

- M Gwintownik maszynowy, bardzo dlugi, prosty rowek wiórowy
- M závitník strojový, extra dlhý

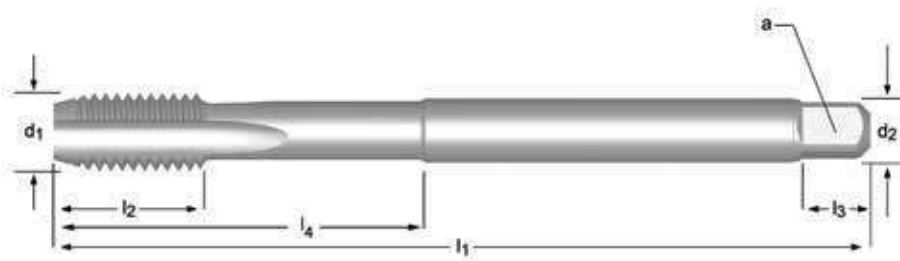
HSS-E do skladování nové produkce

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E

Do vyprodania skladu dodavane v HSS-E

| | | | | | | | | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E600 | • | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 3.1 | 3.2 | 3.3 | 3.4 | 6.1 | 6.2 | 6.3 | 6.4 | 7.2 | 7.3 | 7.4 | 8.2 | 8.3 |
| E610 | ▪ | 3.1 | 3.2 | 3.3 | | | | | | | | | | | | | | | |
| | • | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 3.4 | 6.2 | 6.3 | 6.4 | 7.2 | 7.3 | 7.4 | 8.2 | 8.3 | | | | |

| | | | | | | | | | | | |
|------|---|----------|----|--|-------|----------|-------|--|--|--|-----|
| E600 | M | ISO 2283 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |
| E610 | M | ISO 2283 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | TiN |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z | | l ₄ mm | E600 | E610 |
|----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|------------|------------|
| 3 | 0.50 | 66 | 9 | 3.15 | 2.50 | 5 | 3 | 2.5 | 18 | E600M3NO3 | E610M3NO3 |
| 4 | 0.70 | 73 | 12 | 3.15 | 2.50 | 5 | 3 | 3.3 | - | E600M4NO1 | |
| 4 | 0.70 | 73 | 12 | 3.15 | 2.50 | 5 | 3 | 3.3 | - | E600M4NO2 | |
| 4 | 0.70 | 73 | 12 | 3.15 | 2.50 | 5 | 3 | 3.3 | - | E600M4NO3 | E610M4NO3 |
| 5 | 0.80 | 79 | 12 | 4.00 | 3.15 | 6 | 3 | 4.2 | - | E600M5NO1 | |
| 5 | 0.80 | 79 | 12 | 4.00 | 3.15 | 6 | 3 | 4.2 | - | E600M5NO2 | |
| 5 | 0.80 | 79 | 12 | 4.00 | 3.15 | 6 | 3 | 4.2 | - | E600M5NO3 | E610M5NO3 |
| 6 | 1.00 | 89 | 14 | 4.50 | 3.55 | 6 | 3 | 5 | - | E600M6NO1 | |
| 6 | 1.00 | 89 | 14 | 4.50 | 3.55 | 6 | 3 | 5 | - | E600M6NO2 | |
| 6 | 1.00 | 89 | 14 | 4.50 | 3.55 | 6 | 3 | 5 | - | E600M6NO3 | E610M6NO3 |
| 8 | 1.25 | 97 | 17 | 6.30 | 5.00 | 8 | 3 | 6.8 | - | E600M8NO1 | |
| 8 | 1.25 | 97 | 17 | 6.30 | 5.00 | 8 | 3 | 6.8 | - | E600M8NO2 | |
| 8 | 1.25 | 97 | 17 | 6.30 | 5.00 | 8 | 3 | 6.8 | - | E600M8NO3 | E610M8NO3 |
| 10 | 1.50 | 108 | 19 | 8.00 | 6.30 | 9 | 3 | 8.5 | - | E600M10NO1 | |
| 10 | 1.50 | 108 | 19 | 8.00 | 6.30 | 9 | 3 | 8.5 | - | E600M10NO2 | |
| 10 | 1.50 | 108 | 19 | 8.00 | 6.30 | 9 | 3 | 8.5 | - | E600M10NO3 | E610M10NO3 |
| 12 | 1.75 | 119 | 23 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E600M12NO1 | |
| 12 | 1.75 | 119 | 23 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E600M12NO2 | |
| 12 | 1.75 | 119 | 23 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E600M12NO3 | E610M12NO3 |
| 16 | 2.00 | 137 | 25 | 12.50 | 10.0 | 13 | 4 | 14 | - | E600M16NO3 | E610M16NO3 |
| 20 | 2.50 | 149 | 30 | 14.00 | 11.2 | 14 | 4 | 17.5 | - | E600M20NO3 | |

EP006H
EP006G
EP00TiN
EP016H


- M strojní závitník, přímá drážka, lamač Do vyprodání skladu dodáváno v HSS-E
- M Машинные метчики с подточкой по заборному конусу Поддерживается в HSS-E до складирования новой продукции
- M Gwintownik maszynowy prosty Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
- M strojový závitník, priama drážka s lamačom triesok Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | | | |
|----------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EP006H; EP006G | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 6.1 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 |
| | • | 1.6 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 | 6.2 | 8.1 |
| EP00TiN | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | 6.1 | 6.3 | 7.3 | 7.4 |
| | • | 1.6 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 | 6.2 |
| EP016H | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | | | |

| | | | | | | | | | | | | |
|---------|---|----------------------|----|--|-------|-------------|------------|--|--|-----|-------------|-------------|
| EP006H | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | | L001 337 | L114 334 |
| EP006G | M | DIN 371≤10 376≥12 | 6G | | 2.5XD | HSS-E PM | B 3.5-5 | | | | | |
| EP00TiN | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | TiN | | |
| EP016H | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | ST | | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z | | l ₄ mm | EP006H | EP006G | EP00TiN | EP016H |
|-----|------|-------------------|-------------------|---------------------|--------|-------------------|---|-----|-------------------|--------------|-----------|------------|--------------|
| 2 | 0.40 | 50 | 6 | 2.8 | 2.1 | 5 | 2 | 1.6 | 9 | EP00M2 | | | EP01M2 |
| 2.5 | 0.45 | 50 | 8 | 2.8 | 2.1 | 5 | 2 | 2.1 | 12.5 | EP00M2.5 | | | EP01M2.5 |
| 3 | 0.50 | 56 | 10 | 2.2 | 1.8 | 4 | 3 | 2.5 | 18 | EP00M3DIN376 | | | EP01M3DIN376 |
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | EP00M3 | EP006GM3 | EP00TiNM3 | EP01M3 |
| 3.5 | 0.60 | 56 | 11 | 4.0 | 3.0 | 6 | 3 | 2.9 | 20 | EP00M3.5 | | | EP01M3.5 |
| 4 | 0.70 | 63 | 12 | 2.8 | 2.1 | 5 | 3 | 3.3 | 21 | EP00M4DIN376 | | | EP01M4DIN376 |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | EP00M4 | EP006GM4 | EP00TiNM4 | EP01M4 |
| 4.5 | 0.75 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 3.8 | 25 | EP00M4.5 | | | EP01M4.5 |
| 5 | 0.80 | 70 | 13 | 3.5 | 2.7 | 6 | 3 | 4.2 | 25 | EP00M5DIN376 | | | EP01M5DIN376 |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | EP00M5 | EP006GM5 | EP00TiNM5 | EP01M5 |
| 6 | 1.00 | 80 | 15 | 4.5 | 3.4 | 6 | 3 | 5 | 30 | EP00M6DIN376 | | | EP01M6DIN376 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 5 | 30 | EP00M6 | EP006GM6 | EP00TiNM6 | EP01M6 |
| 7 | 1.00 | 80 | 15 | 7.0 | 5.5 | 8 | 3 | 6 | 30 | EP00M7 | | | EP01M7 |
| 8 | 1.25 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 6.8 | 35 | EP00M8DIN376 | | | EP01M8DIN376 |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | EP00M8 | EP006GM8 | EP00TiNM8 | EP01M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | EP00M10 | EP006GM10 | EP00TiNM10 | EP01M10 |

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z |  mm | l ₄ mm | EP006H | EP006G | EP00TIN | EP016H |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|---------------|-----------|------------|---------------|
| 10 | 1.50 | 100 | 20 | 7.0 | 5.5 | 8 | 3 | 8.5 | - | EP00M10DIN376 | | | EP01M10DIN376 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | EP00M12 | EP006GM12 | EP00TINM12 | EP01M12 |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 3 | 12 | - | EP00M14 | | EP00TINM14 | EP01M14 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 14 | - | EP00M16 | EP006GM16 | EP00TINM16 | EP01M16 |
| 18 | 2.50 | 125 | 30 | 14.0 | 11.0 | 14 | 4 | 15.5 | - | EP00M18 | | EP00TINM18 | EP01M18 |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | EP00M20 | EP006GM20 | EP00TINM20 | EP01M20 |
| 22 | 2.50 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 19.5 | - | EP00M22 | | EP00TINM22 | EP01M22 |
| 24 | 3.00 | 160 | 38 | 18.0 | 14.5 | 17 | 4 | 21 | - | EP00M24 | | EP00TINM24 | EP01M24 |
| 27 | 3.00 | 160 | 38 | 20.0 | 16.0 | 19 | 4 | 24 | - | EP00M27 | | EP00TINM27 | EP01M27 |
| 30 | 3.50 | 180 | 45 | 22.0 | 18.0 | 21 | 4 | 26.5 | - | EP00M30 | | EP00TINM30 | EP01M30 |

- E297**
- M strojní závitník s lamačem, žlutý Shark
 - M Машинный метчик с подточкой по заборному конусу, Yellow Shark
 - M Gwintownik maszynowy metryczny ze skośną powierzchnią natarcia, żółty Shark
 - M strojový závitník s lamačom, žltý Shark

E297 ■ 1.1 1.2 1.3 6.1 6.3
 • 1.4 1.5 6.2

E297

M

DIN
371 ≤ 10
376 ≥ 12

6H



2.5XD

HSS-E
PM

B
3.5-5



E297



SHARK LINE

M3 - M30

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z | | l ₄ mm | E297 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|----------------------|---------|
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E297M3 |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E297M4 |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E297M5 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E297M6 |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E297M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E297M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | E297M12 |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 3 | 12.0 | - | E297M14 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 14.0 | - | E297M16 |
| 18 | 2.50 | 125 | 30 | 14.0 | 11.0 | 14 | 3 | 15.5 | - | E297M18 |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 3 | 17.5 | - | E297M20 |
| 22 | 2.50 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 19.5 | - | E297M22 |
| 24 | 3.00 | 160 | 38 | 18.0 | 14.5 | 17 | 4 | 21.0 | - | E297M24 |
| 27 | 3.00 | 160 | 38 | 20.0 | 16.0 | 19 | 4 | 24.0 | - | E297M27 |
| 30 | 3.50 | 180 | 45 | 22.0 | 18.0 | 21 | 4 | 26.5 | - | E297M30 |

E255

- M strojní závitník s lamačem, červený Shark
- M Машинный метчик с подточкой по заборному конусу, Red Shark
- M Gwintownik maszynowy metryczny ze skośną powierzchnią natarcia, czerwony Shark
- M strojový závitník s lamačom, červený Shark

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции

Do wyczerpania obecnych zapasów magazynowych
dostępny ze stali HSS-E

Do vypredania skladu dodávané v HSS-E

| | | | | | |
|------|---|-----|-----|-----|-----|
| E255 | ▪ | 1.4 | | | |
| | • | 1.5 | 1.6 | 4.2 | 5.2 |
| E256 | ▪ | 1.4 | 1.5 | | |
| | • | 1.6 | 4.2 | 5.2 | |

| | | | | | | | | | | | |
|------|---|-------------------------|----|--|-------|-------------|------------|--|--|-----------|--|
| E255 | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | | |
| E256 | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | TiAIN Top | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E255 | E256 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|----------------------|---------|---------|
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E255M3 | E256M3 |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E255M4 | E256M4 |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E255M5 | E256M5 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E255M6 | E256M6 |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E255M8 | E256M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E255M10 | E256M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | E255M12 | E256M12 |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 3 | 12.0 | - | E255M14 | |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 14.0 | - | E255M16 | E256M16 |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | E255M20 | E256M20 |

- E240** • M strojní závitník s lamačem, modrý Shark
 • M Машинный метчик с подточкой по заборному конусу, Blue Shark
- E241** • M Gwintownik maszynowy metryczny ze skośną powierzchnią natarcia, niebieski Shark
 • M strojový závitník s lamačom, modrý Shark

E240 ■ 2.1 2.2 2.3
 • 1.5

E241 ■ 2.1 2.2 2.3
 • 1.2 1.3 1.4 1.5

| | | | | | | | | | | | |
|-------------|---|-------------------------|----|--|-------|-------------|------------|--|--|---------|--|
| E240 | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | ST | |
| E241 | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | Super B | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | E240 | E241 |
|----|------|-------------------|-------------------|---------------------|------|-------------------|---|------|-------------------|---------|---------|
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E240M3 | E241M3 |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E240M4 | E241M4 |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E240M5 | E241M5 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E240M6 | E241M6 |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E240M8 | E241M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E240M10 | E241M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 4 | 10.3 | - | E240M12 | E241M12 |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 4 | 12.0 | - | E240M14 | E241M14 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 4 | 14.0 | - | E240M16 | E241M16 |
| 18 | 2.50 | 125 | 30 | 14.0 | 11.0 | 14 | 4 | 15.5 | - | E240M18 | E241M18 |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | E240M20 | E241M20 |
| 22 | 2.50 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 19.5 | - | E240M22 | |
| 24 | 3.00 | 160 | 38 | 18.0 | 14.5 | 17 | 4 | 21.0 | - | E240M24 | |
| 27 | 3.00 | 160 | 38 | 20.0 | 16.0 | 19 | 4 | 24.0 | - | E240M27 | |
| 30 | 3.50 | 180 | 45 | 22.0 | 18.0 | 21 | 4 | 26.5 | - | E240M30 | |

E471 E472

- M strojní závitník s lamačem, zelený Shark
- M Машинный метчик с подточкой по заборному конусу, Green Shark
- M Gwintownik maszynowy metryczny ze skośną powierzchnią natarcia, zielony Shark
- M strojový závitník s lamačem, zelený Shark

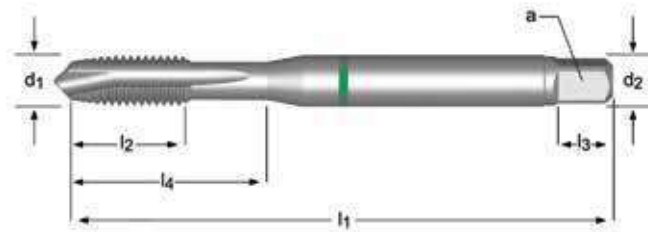
Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции

Do wyczerpania obecnych zapasow magazynowych dostepny ze stali HSS-E

Do vypredania skladu dodávané v HSS-E

| | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|
| E471 | ▪ | 6.2 | 6.3 | 7.1 | 7.2 | 7.3 | 8.1 |
| | • | 1.1 | 1.2 | 1.3 | 6.1 | 7.4 | |
| E472 | ▪ | 6.2 | 7.2 | 7.3 | 7.4 | | |
| | • | 1.2 | 1.3 | 6.3 | 7.1 | 8.1 | |

| | | | | | | | | | | |
|------|---|----------------------|----|--|-------|----------|---------|--|--|---------|
| E471 | M | DIN 371≤10 376>12 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | |
| E472 | M | DIN 371≤10 376>12 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | Super B |



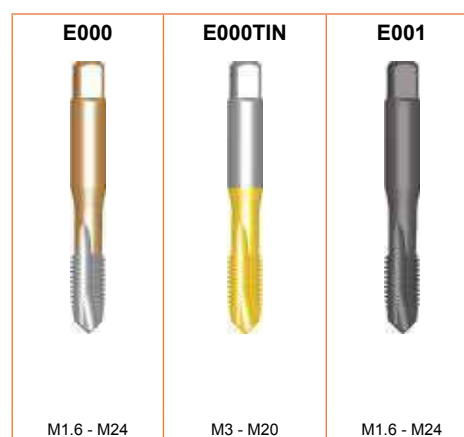
| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | E471 | E472 |
|----|------|-------------------|-------------------|---------------------|------|-------------------|---|------|-------------------|---------|---------|
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 2 | 2.5 | 18 | E471M3 | E472M3 |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 2 | 3.3 | 21 | E471M4 | E472M4 |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 2 | 4.2 | 25 | E471M5 | E472M5 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E471M6 | E472M6 |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E471M8 | E472M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E471M10 | E472M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | E471M12 | E472M12 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 4 | 14.0 | - | E471M16 | E472M16 |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | E471M20 | E472M20 |

E000 E000TIN E001

- M strojní závitník, přímá drážka, lamač Do vyprodání skladu dodáváno v HSS-E
- M Машинные метчики с подточкой по заборному конусу HSS-E до складирования новой продукции
- M Gwintownik maszynowy prosty Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
- M strojový závitník, priama drážka s lamačom triesok Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | | | | |
|---------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E000 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 6.1 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 | |
| | • | 1.6 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 | 6.2 | 8.1 | |
| E000TIN | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | 6.1 | 6.3 | 7.3 | 7.4 | |
| | • | 1.6 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 | 6.2 | 8.2 |
| E001 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | | | | |

| | | | | | | | | | | | |
|---------|---|---------|----|--|-------|----------|---------|--|--|----|--|
| E000 | M | ISO 529 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | | |
| E000TIN | M | ISO 529 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | TN | |
| E001 | M | ISO 529 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | ST | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E000 | E000TIN | E001 |
|-----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|----------|------------|----------|
| 1.6 | 0.35 | 41 | 7 | 2.50 | 2.00 | 4 | 2 | 1.25 | 7 | E000M1.6 | | E001M1.6 |
| 2 | 0.40 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.6 | 8 | E000M2 | | E001M2 |
| 2.5 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 2 | 2.05 | 9.5 | E000M2.5 | | E001M2.5 |
| 3 | 0.50 | 48 | 15 | 3.15 | 2.50 | 5 | 3 | 2.5 | 15 | E000M3 | E000TINM3 | E001M3 |
| 3.5 | 0.60 | 50 | 16 | 3.55 | 2.80 | 5 | 3 | 2.9 | 16 | E000M3.5 | | E001M3.5 |
| 4 | 0.70 | 53 | 17 | 4.00 | 3.15 | 6 | 3 | 3.3 | 17 | E000M4 | E000TINM4 | E001M4 |
| 5 | 0.80 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.2 | 22 | E000M5 | E000TINM5 | E001M5 |
| 6 | 1.00 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.0 | 26 | E000M6 | E000TINM6 | E001M6 |
| 8 | 1.25 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.8 | 29 | E000M8 | E000TINM8 | E001M8 |
| 10 | 1.50 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 34 | E000M10 | E000TINM10 | E001M10 |
| 12 | 1.75 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E000M12 | E000TINM12 | E001M12 |
| 14 | 2.00 | 95 | 24 | 11.20 | 9.00 | 12 | 3 | 12.0 | - | E000M14 | | E001M14 |
| 16 | 2.00 | 102 | 24 | 12.50 | 10.00 | 13 | 3 | 14.0 | - | E000M16 | E000TINM16 | E001M16 |
| 18 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 15.5 | - | E000M18 | | E001M18 |
| 20 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E000M20 | E000TINM20 | E001M20 |
| 22 | 2.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E000M22 | | E001M22 |
| 24 | 3.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 21.0 | - | E000M24 | | E001M24 |

E606

- M závitník strojní extra dlouhý, lamač třísek, přímá drážka
- M Машинные метчики, сверхдлинные с подточкой по заборному конусу
- M Gwintownik maszynowy, bardzo długi prosty
- M závitník strojový, extra dlhý s lamačom triesok, priama drážka

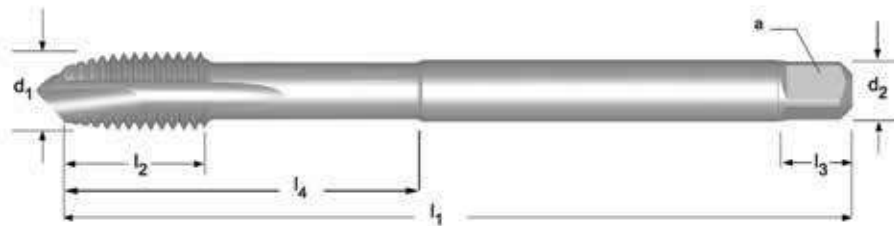
Do vyprodání skladu dodáváno v HSS-E

HSS-E до складирования новой продукции

Do wyczerpania obecnych zapasow magazynowych dostepny ze stali HSS-E

Do vypredania skladu dodavane v HSS-E

E606 • 1.1 1.2 1.3 1.4 1.5 1.6 2.1 2.2 2.3 4.3 5.1 5.2 6.1 6.3 7.1 7.2 7.3 7.4 8.1



E606



M3 - M24

| M | P mm | l_1 mm | l_2 mm | d_2 Ø mm | \square a mm | l_3 mm | z | | l_4 mm | E606 |
|----|---------|-------------|-------------|------------------|----------------------|-------------|---|------|-------------|---------|
| 3 | 0.50 | 66 | 9 | 3.15 | 2.50 | 5 | 3 | 2.5 | 18 | E606M3 |
| 4 | 0.70 | 73 | 12 | 3.15 | 2.50 | 5 | 3 | 3.3 | - | E606M4 |
| 5 | 0.80 | 79 | 12 | 4.00 | 3.15 | 6 | 3 | 4.2 | - | E606M5 |
| 6 | 1.00 | 89 | 14 | 4.50 | 3.55 | 6 | 3 | 5 | - | E606M6 |
| 8 | 1.25 | 97 | 17 | 6.30 | 5.00 | 8 | 3 | 6.8 | - | E606M8 |
| 10 | 1.50 | 108 | 19 | 8.00 | 6.30 | 9 | 3 | 8.5 | - | E606M10 |
| 12 | 1.75 | 119 | 23 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E606M12 |
| 14 | 2.00 | 127 | 25 | 11.20 | 9.00 | 12 | 3 | 12 | - | E606M14 |
| 16 | 2.00 | 137 | 25 | 12.50 | 10.00 | 13 | 3 | 14 | - | E606M16 |
| 20 | 2.50 | 149 | 30 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E606M20 |
| 24 | 3.00 | 172 | 36 | 18.00 | 14.00 | 18 | 4 | 21 | - | E606M24 |

- E216** • M Závítník strojní, přerušovaný, lamač třísek, přímá drážka Do vyprodání skladu dodáváno v HSS-E
- E266** • M Машинные метчики с шахматным расположением зубьев HSS-E до складирования новой продукции
- E422** • M Gwintownik maszynowy prosty z przerywanym nakrojem Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
- E423** • M strojový závitník, přerušovaný s lamačem třísek, priama drážka Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | | | | | | | | | |
|------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| E216; E266; E422; E423 | ▪ | 1.2 | 1.3 | 1.4 | | | | | | | | | | | | | | |
| | • | 1.1 | 1.5 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.3 | 5.1 | 5.2 | 6.1 | 6.2 | 6.3 | 7.1 | 7.2 | | |
| | | 7.3 | 7.4 | 8.1 | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|------|---|---------|----|--|-----|----------|---------|--|--|-----|--|
| E216 | M | DIN 371 | 6H | | 3XD | HSS-E PM | B 3.5-5 | | | | |
| E266 | M | DIN 376 | 6H | | 3XD | HSS-E PM | B 3.5-5 | | | | |
| E422 | M | DIN 371 | 6H | | 3XD | HSS-E PM | B 3.5-5 | | | TiN | |
| E423 | M | DIN 376 | 6H | | 3XD | HSS-E PM | B 3.5-5 | | | TiN | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z | | l ₄ mm | E216 | E266 | E422 | E423 |
|----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|---------|---------|---------|---------|
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E216M3 | | E422M3 | |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E216M4 | | E422M4 | |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E216M5 | | E422M5 | |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E216M6 | | E422M6 | |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E216M8 | | E422M8 | |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E216M10 | | E422M10 | |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.3 | | | E266M12 | | E423M12 |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 3 | 12.0 | | | E266M14 | | E423M14 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 14.0 | | | E266M16 | | E423M16 |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 3 | 17.5 | | | E266M20 | | E423M20 |
| 24 | 3.00 | 160 | 38 | 18.0 | 14.5 | 17 | 4 | 21.0 | | | E266M24 | | E423M24 |

E207 • M strojní závitník, šroubovice 15°

Do vyprodání skladu dodáváno v HSS-E

E258 • M Машинные метчики со спиральной стружечной канавкой 15° HSS-E до складирования новой продукции

E212 • M Gwintownik maszynowy skrętny 15°

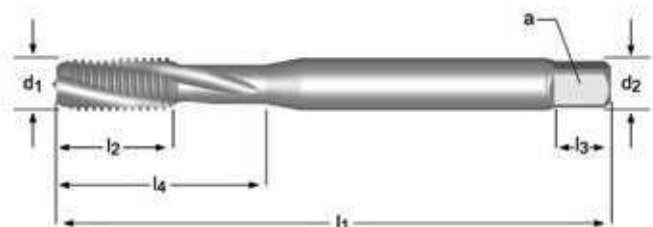
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E

E263 • M strojový závitník, skrutkovica 15°


Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | |
|------------|---|-----|-----|-----|-----|-----|-----|-----|--|
| E207; E258 | ▪ | 1.3 | 1.4 | | | | | | |
| | • | 1.2 | 1.5 | 7.2 | 7.3 | | | | |
| E212; E263 | ▪ | 1.3 | 1.4 | | | | | | |
| | • | 1.1 | 1.2 | 1.5 | 4.2 | 4.3 | 7.2 | 7.3 | |

| | | | | | | | | | | | |
|------|---|---------|----|--|-------|----------|-------|--|--|--|--|
| E207 | M | DIN 371 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |
| E258 | M | DIN 376 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |
| E212 | M | DIN 371 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |
| E263 | M | DIN 376 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E207 | E258 | E212 | E263 |
|-----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|----------|---------|---------|---------|
| 2 | 0.40 | 45 | 4 | 2.8 | 2.1 | 5 | 3 | 1.6 | 9 | E207M2 | | | |
| 2.5 | 0.45 | 50 | 4 | 2.8 | 2.1 | 5 | 3 | 2.05 | 12.5 | E207M2.5 | | | |
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E207M3 | | E212M3 | |
| 4 | 0.70 | 63 | 12 | 2.8 | 2.1 | 5 | 3 | 3.3 | | | E258M4 | E212M4 | |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E207M4 | | | |
| 5 | 0.80 | 70 | 13 | 3.5 | 2.7 | 6 | 3 | 4.2 | | | E258M5 | | |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E207M5 | | E212M5 | |
| 6 | 1.00 | 80 | 15 | 4.5 | 3.4 | 6 | 3 | 5.0 | | | E258M6 | | |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 5 | 30 | E207M6 | | E212M6 | |
| 8 | 1.25 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 6.8 | | | E258M8 | | |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E207M8 | | E212M8 | |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E207M10 | | E212M10 | |
| 10 | 1.50 | 100 | 20 | 7.0 | 5.5 | 8 | 3 | 8.5 | | | E258M10 | | |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.3 | | | E258M12 | | E263M12 |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 3 | 12.0 | | | E258M14 | | E263M14 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 14.0 | | | E258M16 | | E263M16 |
| 18 | 2.50 | 125 | 30 | 14.0 | 11.0 | 14 | 3 | 15.5 | | | E258M18 | | E263M18 |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 3 | 17.5 | | | E258M20 | | E263M20 |

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∇ a mm | l ₃ mm | z |  mm | l ₄ mm | E207 | E258 | E212 | E263 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|------|---------|------|---------|
| 22 | 2.50 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 19.5 | | | E258M22 | | E263M22 |
| 24 | 3.00 | 160 | 38 | 18.0 | 14.5 | 17 | 4 | 21.0 | | | E258M24 | | E263M24 |
| 27 | 3.00 | 160 | 38 | 20.0 | 16.0 | 19 | 4 | 24.0 | | | E258M27 | | E263M27 |
| 30 | 3.50 | 180 | 45 | 22.0 | 18.0 | 21 | 4 | 26.5 | | | E258M30 | | E263M30 |
| 36 | 4.00 | 200 | 55 | 28.0 | 22.0 | 25 | 4 | 32.0 | | | E258M36 | | E263M36 |

EX006H
EX006G
EX00TIN
EX016H

• M strojní závitník, šroubovice 45°

Do vyprodání skladu dodáváno v HSS-E

• M Машинные метчики со спиральной стружечной канавкой 45°

HSS-E до складирования новой продукции

• M Gwintownik maszynowy skrętny 45°

Do wyczerpania obecnych zapasów magazynowych dostępy ze stali HSS-E

• M strojový závitník, skrutkovica 45°


Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | |
|-----------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EX006H; EX006G | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 7.1 | 7.2 | 7.3 | 7.4 |
| | • | 4.1 | 4.2 | 5.1 | 5.2 | | | | | |
| EX00TIN | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | 7.3 | 7.4 |
| | • | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 |
| EX016H | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | | |
| | • | 2.3 | | | | | | | | |

| | | | | | | | | | | |
|----------------|---|-------------------------|----|--|-------|-------------|----------|--|--|-----|
| EX006H | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | | |
| EX006G | M | DIN 371≤10 376≥12 | 6G | | 2.5XD | HSS-E PM | C 2-3 | | | |
| EX00TIN | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | | TIN |
| EX016H | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | | ST |

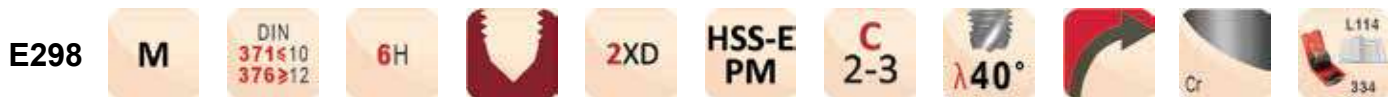


| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z | | l ₄ mm | EX006H | EX006G | EX00TIN | EX016H |
|-----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|---------------|-----------|------------|---------------|
| 2 | 0.40 | 45 | 4 | 2.8 | 2.1 | 5 | 3 | 1.6 | 9 | EX00M2 | | | EX01M2 |
| 2.5 | 0.45 | 50 | 4 | 2.8 | 2.1 | 5 | 3 | 2.05 | 12.5 | EX00M2.5 | | | EX01M2.5 |
| 3 | 0.50 | 56 | 6 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | EX00M3 | EX00M36G | EX00TINM3 | EX01M3 |
| 3.5 | 0.60 | 56 | 7 | 4.0 | 3.0 | 6 | 3 | 2.9 | 20 | EX00M3.5 | | | EX01M3.5 |
| 4 | 0.70 | 63 | 7 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | EX00M4 | EX00M46G | EX00TINM4 | EX01M4 |
| 5 | 0.80 | 70 | 8 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | EX00M5 | EX00M56G | EX00TINM5 | EX01M5 |
| 6 | 1.00 | 80 | 10 | 4.5 | 3.4 | 6 | 3 | 5 | 31 | EX00M6DIN376 | | | EX01M6DIN376 |
| 6 | 1.00 | 80 | 10 | 6.0 | 4.9 | 8 | 3 | 5 | 31 | EX00M6 | EX00M66G | EX00TINM6 | EX01M6 |
| 7 | 1.00 | 80 | 10 | 7.0 | 5.5 | 8 | 3 | 6 | 31 | EX00M7 | | | EX01M7 |
| 8 | 1.25 | 90 | 12 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | EX00M8 | EX00M86G | EX00TINM8 | EX01M8 |
| 8 | 1.25 | 90 | 13 | 6.0 | 4.9 | 8 | 3 | 6.8 | 35 | EX00M8DIN376 | | | EX01M8DIN376 |
| 10 | 1.50 | 100 | 15 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | EX00M10 | EX00M106G | EX00TINM10 | EX01M10 |
| 10 | 1.50 | 100 | 15 | 7.0 | 5.5 | 8 | 3 | 8.5 | 39 | EX00M10DIN376 | | | EX01M10DIN376 |
| 12 | 1.75 | 110 | 16 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | EX00M12 | EX00M126G | EX00TINM12 | EX01M12 |
| 14 | 2.00 | 110 | 20 | 11.0 | 9.0 | 12 | 3 | 12 | - | EX00M14 | EX00M146G | EX00TINM14 | EX01M14 |
| 16 | 2.00 | 110 | 20 | 12.0 | 9.0 | 12 | 4 | 14 | - | EX00M16 | EX00M166G | EX00TINM16 | EX01M16 |
| 18 | 2.50 | 125 | 25 | 14.0 | 11.0 | 14 | 4 | 15.5 | - | EX00M18 | | EX00TINM18 | EX01M18 |
| 20 | 2.50 | 140 | 25 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | EX00M20 | EX00M206G | EX00TINM20 | EX01M20 |

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z |  mm | l ₄ mm | EX006H | EX006G | EX00TIN | EX016H |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|---------|---------------|------------|-----------------------|
| 22 | 2.50 | 140 | 25 | 18.0 | 14.5 | 17 | 4 | 19.5 | - | EX00M22 | | EX00TINM22 | EX01M22 |
| 24 | 3.00 | 160 | 30 | 18.0 | 14.5 | 17 | 4 | 21 | - | EX00M24 | | EX00TINM24 | EX01M24 |
| 27 | 3.00 | 160 | 30 | 20.0 | 16.0 | 19 | 4 | 24 | - | EX00M27 | | EX00TINM27 | EX01M27 |
| 30 | 3.50 | 180 | 36 | 22.0 | 18.0 | 21 | 4 | 26.5 | - | EX00M30 | | EX00TINM30 | EX01M30 |
| 33 | 3.50 | 180 | 36 | 25.0 | 20.0 | 23 | 4 | 29.5 | - | EX00M33 | | | EX01M33 |
| 36 | 4.00 | 200 | 40 | 28.0 | 22.0 | 25 | 4 | 32 | - | EX00M36 | | | EX01M36 |
| 39 | 4.00 | 200 | 40 | 32.0 | 24.0 | 27 | 4 | 35 | - | EX00M39 | | | EX01M39 |
| 42 | 4.50 | 200 | 45 | 32.0 | 24.0 | 27 | 4 | 37.5 | - | EX00M42 | ¹⁾ | | EX01M42 ¹⁾ |
| 48 | 5.00 | 250 | 50 | 36.0 | 29.0 | 32 | 4 | 43 | - | EX00M48 | ¹⁾ | | EX01M48 ¹⁾ |
| 52 | 5.00 | 250 | 50 | 40.0 | 32.0 | 35 | 5 | 47 | - | EX00M52 | ¹⁾ | | EX01M52 ¹⁾ |
| 56 | 5.50 | 250 | 55 | 40.0 | 32.0 | 35 | 5 | 50.5 | - | EX00M56 | ¹⁾ | | EX01M56 ¹⁾ |
| 64 | 6.00 | 315 | 60 | 50.0 | 39.0 | 42 | 6 | 58 | - | EX00M64 | ¹⁾ | | EX01M64 ¹⁾ |

- E298**
- M strojní závitník, šroubovice 40°, žlutý Shark
 - M Машинный метчик со спиральной стружечной канавкой 40°, Yellow Shark
 - M Gwintownik maszynowy metryczny skrętny 40°, żółty Shark
 - M strojový závitník skrutkovica 40°, žltý Shark

E298 ■ 1.1 1.2 1.3 6.1 6.3
 • 1.4 1.5 6.2



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E298 |
|----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|---------|
| 3 | 0.50 | 56 | 6 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E298M3 |
| 4 | 0.70 | 63 | 7 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E298M4 |
| 5 | 0.80 | 70 | 8 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E298M5 |
| 6 | 1.00 | 80 | 10 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E298M6 |
| 8 | 1.25 | 90 | 13 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E298M8 |
| 10 | 1.50 | 100 | 15 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E298M10 |
| 12 | 1.75 | 110 | 18 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | E298M12 |
| 14 | 2.00 | 110 | 20 | 11.0 | 9.0 | 12 | 3 | 12.0 | - | E298M14 |
| 16 | 2.00 | 110 | 20 | 12.0 | 9.0 | 12 | 4 | 14.0 | - | E298M16 |
| 18 | 2.50 | 125 | 25 | 14.0 | 11.0 | 14 | 4 | 15.5 | - | E298M18 |
| 20 | 2.50 | 140 | 25 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | E298M20 |
| 22 | 2.50 | 140 | 25 | 18.0 | 14.5 | 17 | 4 | 19.5 | - | E298M22 |
| 24 | 3.00 | 160 | 30 | 18.0 | 14.5 | 17 | 4 | 21.0 | - | E298M24 |
| 27 | 3.00 | 160 | 30 | 20.0 | 16.0 | 19 | 4 | 24.0 | - | E298M27 |
| 30 | 3.50 | 160 | 36 | 22.0 | 18.0 | 21 | 4 | 26.5 | - | E298M30 |

- E412**
- M strojní závitník, šroubovice 48°, žlutý Shark, zpětný kuželový úkos
 - M Машинный метчик со спиральной стружечной канавкой 48°, Yellow Shark
 - M Gwintownik maszynowy metryczny skrętny 48°, żółty Shark
 - M strojový závitník skrutkovica 48°, žltý Shark spätný kuželový úkos

| | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|
| E412 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | |
| | • | 2.1 | 2.2 | 2.3 | 7.1 | 7.2 | 7.3 |

| | | | | | | | | | | |
|------|---|--------------------------|----|--|-----|----------|-------|------|--|--|
| E412 | M | DIN 371 ≤ 10 376 ≥ 12 | 6H | | 3XD | HSS-E PM | C 2-3 | λ48° | | |
|------|---|--------------------------|----|--|-----|----------|-------|------|--|--|

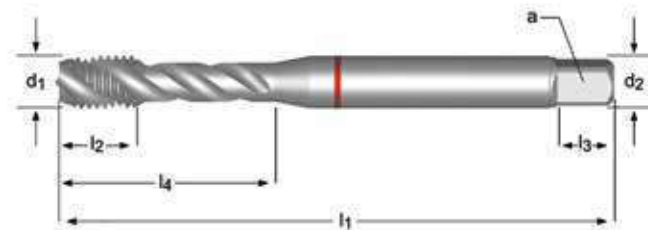


| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | a mm | l ₃ mm | z | | l ₄ mm | E412 |
|----|------|-------------------|-------------------|---------------------|------|-------------------|---|------|-------------------|---------|
| 3 | 0.50 | 56 | 6 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E412M3 |
| 4 | 0.70 | 63 | 7 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E412M4 |
| 5 | 0.80 | 70 | 8 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E412M5 |
| 6 | 1.00 | 80 | 10 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E412M6 |
| 8 | 1.25 | 90 | 13 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E412M8 |
| 10 | 1.50 | 100 | 15 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E412M10 |
| 12 | 1.75 | 110 | 18 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | E412M12 |
| 14 | 2.00 | 110 | 20 | 11.0 | 9.0 | 12 | 3 | 12.0 | - | E412M14 |
| 16 | 2.00 | 110 | 20 | 12.0 | 9.0 | 12 | 4 | 14.0 | - | E412M16 |
| 20 | 2.50 | 140 | 25 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | E412M20 |
| 22 | 2.50 | 140 | 25 | 18.0 | 14.5 | 17 | 4 | 19.5 | - | E412M22 |
| 24 | 3.00 | 160 | 30 | 18.0 | 14.5 | 17 | 4 | 21.0 | - | E412M24 |
| 27 | 3.00 | 160 | 30 | 20.0 | 16.0 | 19 | 4 | 24.0 | - | E412M27 |
| 30 | 3.50 | 180 | 36 | 22.0 | 18.0 | 21 | 4 | 26.5 | - | E412M30 |

- E260**
 - M strojní závitník, šroubovice 45°, červený Shark, zpětný kuželový úkos Do vyprodání skladu dodáváno v HSS-E
 - M Машинный метчик со спиральной стружечной канавкой 45°, Red Shark HSS-E до складирования новой продукции
- E261**
 - M Gwintownik maszynowy, metryczny, skretny 45°, czerwony Shark Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
 - M strojový závitník, skrutkovica 45°, červený Shark, spätný kužeľový úkos Do vypredania skladu dodávané v HSS-E

| | | | | | |
|-------------|---|-----|-----|-----|-----|
| E260 | ▪ | 1.4 | | | |
| | • | 1.5 | 1.6 | 4.2 | 5.2 |
| E261 | ▪ | 1.4 | 1.5 | | |
| | • | 1.6 | 4.2 | 5.2 | |

| | | | | | | | | | | | |
|-------------|---|----------------------|----|--|-------|----------|-------|------|--|-----------|--|
| E260 | M | DIN 371≤10 376>12 | 6H | | 2.5XD | HSS-E PM | C 2-3 | λ45° | | | |
| E261 | M | DIN 371≤10 376>12 | 6H | | 2.5XD | HSS-E PM | C 2-3 | λ45° | | TiAIN Top | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | E260 | E261 |
|----|------|-------------------|-------------------|---------------------|------|-------------------|---|------|-------------------|---------|---------|
| 3 | 0.50 | 56 | 6 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E260M3 | E261M3 |
| 4 | 0.70 | 63 | 7 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E260M4 | E261M4 |
| 5 | 0.80 | 70 | 8 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E260M5 | E261M5 |
| 6 | 1.00 | 80 | 10 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E260M6 | E261M6 |
| 8 | 1.25 | 90 | 12 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E260M8 | E261M8 |
| 10 | 1.50 | 100 | 15 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E260M10 | E261M10 |
| 12 | 1.75 | 110 | 16 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | E260M12 | E261M12 |
| 14 | 2.00 | 110 | 20 | 11.0 | 9.0 | 12 | 3 | 12.0 | - | E260M14 | - |
| 16 | 2.00 | 110 | 20 | 12.0 | 9.0 | 12 | 4 | 14.0 | - | E260M16 | E261M16 |
| 20 | 2.50 | 140 | 25 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | E260M20 | E261M20 |

E238

- M strojní závitník, šroubovice 40°, modrý Shark, zpětný kuželový úkos

Do vyprodání skladu dodáváno v HSS-E

E239

- M Машинный метчик со спиральной стружечной канавкой 40°, Blue Shark

HSS-E до складирования новой продукции

- M Gwintownik maszynowy metryczny skrętny 40°, niebieski Shark

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E

- M strojový závitník skrutkovica 40°, modrý Shark spätný kuželový úkos

Do vypredania skladu dodávané v HSS-E

| | | | | | |
|------|---|-----|-----|-----|-----|
| E238 | ▪ | 2.1 | 2.2 | 2.3 | |
| | • | 1.5 | | | |
| E239 | ▪ | 2.1 | 2.2 | 2.3 | |
| | • | 1.2 | 1.3 | 1.4 | 1.5 |

| | | | | | | | | | | | |
|------|---|----------------------|----|--|-------|-------------|----------|--|--|---------|--|
| E238 | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | | ST | |
| E239 | M | DIN 371≤10 376≥12 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | | Super B | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E238 | E239 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|----------------------|---------|---------|
| 3 | 0.50 | 56 | 6 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E238M3 | E239M3 |
| 4 | 0.70 | 63 | 7 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E238M4 | E239M4 |
| 5 | 0.80 | 70 | 8 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E238M5 | E239M5 |
| 6 | 1.00 | 80 | 10 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E238M6 | E239M6 |
| 8 | 1.25 | 90 | 13 | 8.0 | 6.2 | 9 | 3 | 6.8 | 33 | E238M8 | E239M8 |
| 10 | 1.50 | 100 | 15 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E238M10 | E239M10 |
| 12 | 1.75 | 110 | 18 | 9.0 | 7.0 | 10 | 4 | 10.3 | - | E238M12 | E239M12 |
| 14 | 2.00 | 110 | 20 | 11.0 | 9.0 | 12 | 4 | 12.0 | - | E238M14 | E239M14 |
| 16 | 2.00 | 110 | 20 | 12.0 | 9.0 | 12 | 4 | 14.0 | - | E238M16 | E239M16 |
| 18 | 2.50 | 125 | 25 | 14.0 | 11.0 | 14 | 4 | 15.5 | - | E238M18 | |
| 20 | 2.50 | 140 | 25 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | E238M20 | E239M20 |
| 22 | 2.50 | 140 | 25 | 18.0 | 14.5 | 17 | 4 | 19.8 | - | E238M22 | |
| 24 | 3.00 | 160 | 30 | 18.0 | 14.5 | 17 | 4 | 21.0 | - | E238M24 | |
| 27 | 3.00 | 160 | 30 | 20.0 | 16.0 | 19 | 4 | 24.0 | - | E238M27 | |
| 30 | 3.50 | 180 | 36 | 22.0 | 18.0 | 21 | 4 | 26.5 | - | E238M30 | |

E414

- M strojní závitník, šroubovice 48°, modrý Shark, zpětný kuželový úkos
- M Машинный метчик со спиральной стружечной канавкой 48°, Blue Shark
- M Gwintownik maszynowy metryczny skrętny 48°, niebieski Shark
- M strojový závitník skrutkovica 48°, modrý Shark spätný kužeľový úkos

E414 ■ 2.1 2.2 2.3 2.4
 • 1.3 1.4 1.5

E414

M

DIN
371≤10
376>12

6H



3XD

HSS-E
PM

C
2-3




E414

NEW



SHARK LINE

M3 - M20

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z |  | l ₄ mm | E414 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|---------|
| 3 | 0.50 | 56 | 6 | 3.5 | 2.7 | 6 | 3 | 2.5 | 18 | E414M3 |
| 4 | 0.70 | 63 | 7 | 4.5 | 3.4 | 6 | 3 | 3.3 | 21 | E414M4 |
| 5 | 0.80 | 70 | 8 | 6.0 | 4.9 | 8 | 3 | 4.2 | 25 | E414M5 |
| 6 | 1.00 | 80 | 10 | 6.0 | 4.9 | 8 | 3 | 5.0 | 30 | E414M6 |
| 8 | 1.25 | 90 | 13 | 8.0 | 6.2 | 9 | 3 | 6.8 | 35 | E414M8 |
| 10 | 1.50 | 100 | 15 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | E414M10 |
| 12 | 1.75 | 110 | 18 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | E414M12 |
| 14 | 2.00 | 110 | 20 | 11.0 | 9.0 | 12 | 3 | 12.0 | - | E414M14 |
| 16 | 2.00 | 110 | 20 | 12.0 | 9.0 | 12 | 4 | 14.0 | - | E414M16 |
| 20 | 2.50 | 140 | 25 | 16.0 | 12.0 | 15 | 4 | 17.5 | - | E414M20 |

E473

- M strojní závitník, šroubovice 35°, zelený Shark
- M Машинный метчик со спиральной стружечной канавкой 35°, Green Shark

Do vyprodání skladu dodáváno v HSS-E

E474

- M Gwintownik maszynowy, metryczny, skřętny 35°, zielony Shark
- M strojový závitník, skrutkovica 35°, zelený Shark

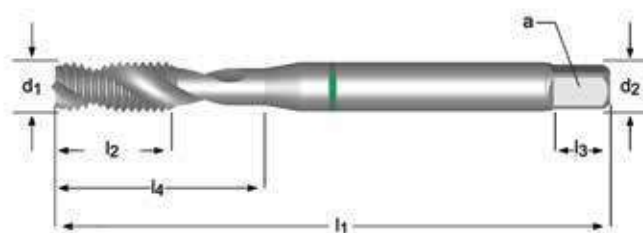
HSS-E do skladování nové produkci

Do wyczerpania obecnych zapasow magazynowych dostepny ze stali HSS-E

Do vypredania skladu dodavane v HSS-E

| | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|
| E473 | ▪ | 6.2 | 6.3 | 7.1 | 7.2 | 7.3 | 8.1 |
| | • | 1.1 | 1.2 | 1.3 | 6.1 | 7.4 | |
| E474 | ▪ | 6.2 | 7.2 | 7.3 | 7.4 | | |
| | • | 1.2 | 1.3 | 6.3 | 7.1 | 8.1 | |

| | | | | | | | | | | | |
|------|---|-----------------------|----|--|-------|-------------|----------|--|--|---------|--|
| E473 | M | DIN 3716-10 376-12 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | | | |
| E474 | M | DIN 3716-10 376-12 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | | Super B | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | E473 | E474 |
|----|---------|----------------------|----------------------|---------------------------|---------|----------------------|---|------|----------------------|---------|---------|
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 2 | 2.5 | 18 | E473M3 | E474M3 |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 2 | 3.3 | 21 | E473M4 | E474M4 |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 2 | 4.2 | 25 | E473M5 | E474M5 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 2 | 5.0 | 30 | E473M6 | E474M6 |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 2 | 6.8 | 35 | E473M8 | E474M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 2 | 8.5 | 39 | E473M10 | E474M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.3 | - | E473M12 | E474M12 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 14.0 | - | E473M16 | E474M16 |
| 20 | 2.50 | 140 | 30 | 16.0 | 12.0 | 15 | 3 | 17.5 | - | E473M20 | E474M20 |

E002 E002TIN E003

- M strojní závitník, šroubovice 45°
- M Машинные метчики со спиральной стружечной канавкой 45°
- M Gwintownik maszynowy skrzyżny 45°
- M strojový závitník, skrutkovica 45°

Do vyprodání skladu dodáváno v HSS-E

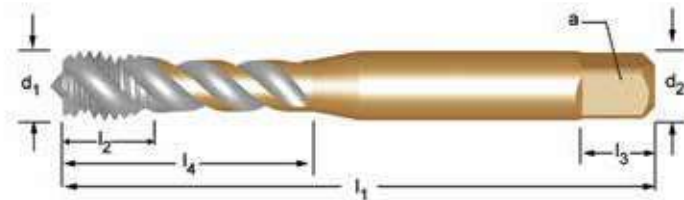
HSS-E до складирования новой продукции

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E

Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | |
|---------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E002 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 7.1 | 7.2 | 7.3 | 7.4 |
| | • | 4.1 | 4.2 | 5.1 | 5.2 | | | | | |
| E002TIN | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | 7.3 | 7.4 |
| | • | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 |
| E003 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | |
| | • | 2.1 | 2.2 | 2.3 | | | | | | |

| | | | | | | | | | | | | |
|---------|---|---------|----|--|-------|----------|-------|--------------------|--|--|-----|--|
| E002 | M | ISO 529 | 6H | | 2.5XD | HSS-E PM | C 2-3 | $\lambda 45^\circ$ | | | | |
| E002TIN | M | ISO 529 | 6H | | 2.5XD | HSS-E PM | C 2-3 | $\lambda 45^\circ$ | | | TIN | |
| E003 | M | ISO 529 | 6H | | 2.5XD | HSS-E PM | C 2-3 | $\lambda 45^\circ$ | | | ST | |



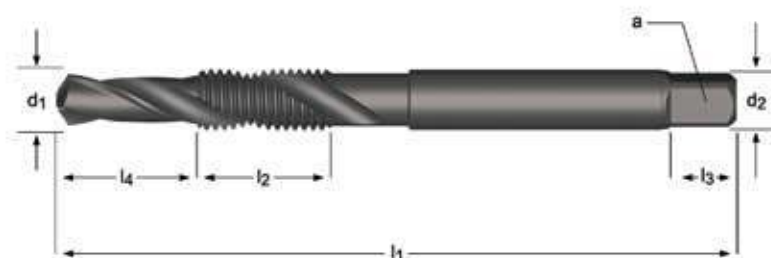
| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | E002 | E002TIN | E003 |
|-----|------|-------------------|-------------------|---------------------|-------|-------------------|---|------|-------------------|----------|------------|----------|
| 2 | 0.40 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.6 | 8 | E002M2 | | E003M2 |
| 2.5 | 0.45 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 2 | 2.05 | 9.5 | E002M2.5 | | E003M2.5 |
| 3 | 0.50 | 48 | 6 | 3.15 | 2.50 | 5 | 3 | 2.5 | 12.5 | E002M3 | E002TINM3 | E003M3 |
| 4 | 0.70 | 53 | 7 | 4.00 | 3.15 | 6 | 3 | 3.3 | 19 | E002M4 | E002TINM4 | E003M4 |
| 5 | 0.80 | 58 | 8 | 5.00 | 4.00 | 7 | 3 | 4.2 | 22 | E002M5 | E002TINM5 | E003M5 |
| 6 | 1.00 | 66 | 10 | 6.30 | 5.00 | 8 | 3 | 5.0 | 27 | E002M6 | E002TINM6 | E003M6 |
| 8 | 1.25 | 72 | 12 | 8.00 | 6.30 | 9 | 3 | 6.8 | 31 | E002M8 | E002TINM8 | E003M8 |
| 10 | 1.50 | 80 | 15 | 10.00 | 8.00 | 11 | 3 | 8.5 | 35 | E002M10 | E002TINM10 | E003M10 |
| 12 | 1.75 | 89 | 16 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E002M12 | E002TINM12 | E003M12 |
| 14 | 2.00 | 95 | 18 | 11.20 | 9.00 | 12 | 3 | 12.0 | - | E002M14 | | E003M14 |
| 16 | 2.00 | 102 | 18 | 12.50 | 10.00 | 13 | 4 | 14.0 | - | E002M16 | E002TINM16 | E003M16 |
| 18 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 15.5 | - | E002M18 | | E003M18 |
| 20 | 2.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E002M20 | E002TINM20 | E003M20 |
| 22 | 2.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E002M22 | | E003M22 |
| 24 | 3.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 21.0 | - | E002M24 | | E003M24 |

E650

- M Závítník kombi
- M Комбинированные метчики со спиральной стружечной канавкой 30°
- M Wiertło/gwintownik skrętny 30°
- M Závítník kombinovaný 30°

E650 • 1.1 1.2 1.3 1.4 3.2 6.2 6.3 7.1 7.2 8.1

E650 M DORMER ISO 6H 1.5XD HSS C 2-3 λ 30° ST L126 332



| M | P mm | d ₁ nom mm | l ₁ mm | l ₂ mm | l ₄ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z | E650 |
|----|------|-----------------------|-------------------|-------------------|-------------------|---------------------|--------|-------------------|---|---------|
| 3 | 0.50 | 2.5 | 56 | 10 | 6 | 3.15 | 2.5 | 5.0 | 2 | E650M3 |
| 4 | 0.70 | 3.3 | 65 | 12 | 8 | 4.0 | 3.15 | 6.0 | 2 | E650M4 |
| 5 | 0.80 | 4.2 | 69 | 15 | 10 | 5.0 | 4.00 | 7.0 | 2 | E650M5 |
| 6 | 1.00 | 5.0 | 84 | 18 | 12 | 6.3 | 5.00 | 8.0 | 2 | E650M6 |
| 8 | 1.25 | 6.8 | 96 | 21 | 16 | 8.0 | 6.30 | 9.0 | 2 | E650M8 |
| 10 | 1.50 | 8.5 | 108 | 22 | 20 | 10.0 | 8.00 | 11.0 | 2 | E650M10 |
| 12 | 1.75 | 10.2 | 113 | 29 | 24 | 9.0 | 7.10 | 10.0 | 2 | E650M12 |
| 14 | 2.00 | 12.0 | 123 | 30 | 28 | 11.2 | 9.00 | 12.0 | 2 | E650M14 |
| 16 | 2.00 | 14.0 | 134 | 32 | 32 | 12.5 | 10.00 | 13.0 | 2 | E650M16 |

E605

- M Závítník strojní, extra dlouhý, spirálovité drážky 40°
- M Машинные метчики, сверхдлинные со спиральной стружечной канавкой 40°
- M Gwintownik maszynowy, bardzo długi skrętny 40°
- M Závítník strojový, extra dlhý, špiralovité drážky 40°

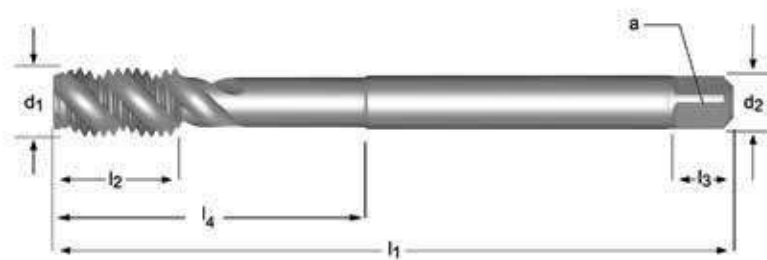
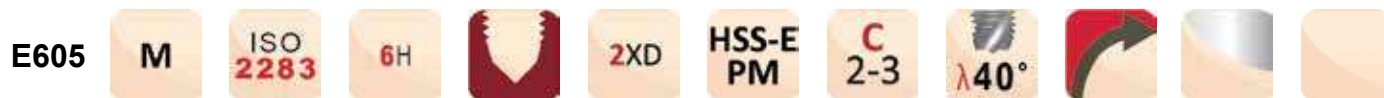
Do vyprodání skladu dodáváno v HSS-E

HSS-E до складирования новой продукции

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E

Do vypredania skladu dodavane v HSS-E

E605 • 1.2 1.3 1.4 1.5 2.1 2.2 2.3 5.2 7.1 7.2 7.3 7.4



E605



M3 - M20

| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z | | l ₄ mm | E605 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|----------------------|---------|
| 3 | 0.50 | 66 | 9 | 3.15 | 2.50 | 5 | 2 | 2.5 | 21 | E605M3 |
| 4 | 0.70 | 73 | 9 | 4.00 | 3.15 | 6 | 2 | 3.3 | 22 | E605M4 |
| 5 | 0.80 | 79 | 12 | 5.00 | 4.00 | 7 | 3 | 4.2 | 26 | E605M5 |
| 6 | 1.00 | 89 | 12 | 6.30 | 5.00 | 8 | 3 | 5 | 29 | E605M6 |
| 8 | 1.25 | 97 | 12 | 6.30 | 5.00 | 8 | 3 | 6.8 | - | E605M8 |
| 10 | 1.50 | 108 | 14 | 8.00 | 6.30 | 9 | 3 | 8.5 | - | E605M10 |
| 12 | 1.75 | 119 | 23 | 9.00 | 7.10 | 10 | 3 | 10.3 | - | E605M12 |
| 14 | 2.00 | 127 | 25 | 11.20 | 9.00 | 12 | 3 | 12 | - | E605M14 |
| 16 | 2.00 | 137 | 25 | 12.50 | 10.00 | 13 | 3 | 14 | - | E605M16 |
| 20 | 2.50 | 149 | 30 | 14.00 | 11.20 | 14 | 3 | 17.5 | - | E605M20 |

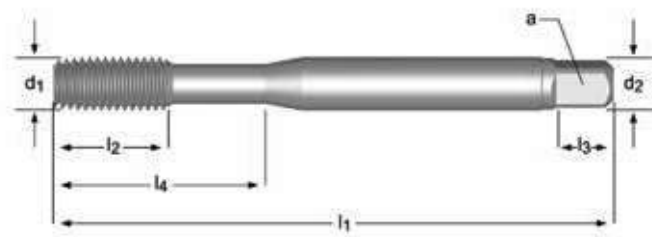
- E291** • M strojní tvářecí závitník
• M Метчик-раскатник
- E292** • M Wygniatak maszynowy
• M strojový tvárníaci závitník

- E294** • M strojní tvářecí závitník s mazacími drážkami
• M Метчик-раскатник с канавками для СОЖ
• M Wygniatak maszynowy, z rowkami smarowymi
• M strojový tvárníaci závitník s mazacími drážkami

- E289** • M strojní tvářecí závitník s mazacími drážkami a vnitřním chlazením
• M Метчики-Раскатники с канавками для смазки и внутренним подводом СОЖ
• M Wygniatak metryczny, rowki smarne i wewnętrzne chłodzenie
• M strojový tvárníaci závitník s mazacími drážkami a vnútorným chlazením

| | | | | | | | | | | | | | |
|-------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| E291 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 7.1 | 7.2 | | | | | | |
| | • | 7.3 | | | | | | | | | | | |
| E292; E294; E289 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 4.1 | 5.1 | 7.1 | 7.2 | 7.3 | |
| | • | 1.5 | 2.3 | 5.2 | 6.1 | 6.3 | 7.4 | | | | | | |

| | | | | | | | | | | | |
|-------------|---|----------|-----|--|-------|-------|---------|--|--|-----|--|
| E291 | M | DIN 2174 | 6HX | | 3XD | HSS-E | C 2-3.5 | | | | |
| E292 | M | DIN 2174 | 6HX | | 3XD | HSS-E | C 2-3.5 | | | TiN | |
| E294 | M | DIN 2174 | 6HX | | 3.5XD | HSS-E | C 2-3.5 | | | TiN | |
| E289 | M | DIN 2174 | 6HX | | 3.5XD | HSS-E | C 2-3.5 | | | TiN | |

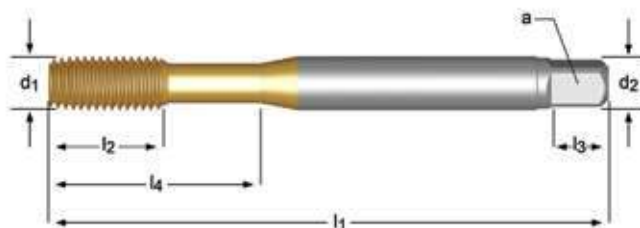
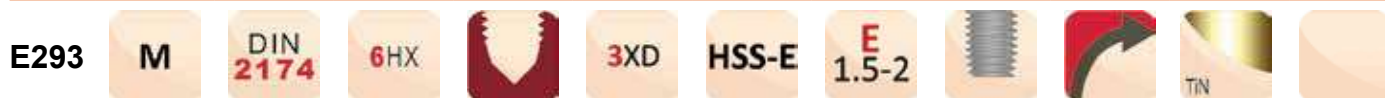


| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E291 | E292 | E294 | E289 |
|-----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|----------|----------|---------|---------|
| 1.6 | 0.35 | 40 | 8 | 2.5 | 2.1 | 5 | 3 | 1.4 | - | E291M1.6 | E292M1.6 | | |
| 2 | 0.40 | 45 | 6 | 2.8 | 2.1 | 5 | 3 | 1.8 | 11 | E291M2 | E292M2 | | |
| 2.5 | 0.45 | 50 | 8 | 2.8 | 2.1 | 5 | 3 | 2.3 | 12.5 | E291M2.5 | E292M2.5 | | |
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 4 | 2.8 | 18 | E291M3 | E292M3 | E294M3 | |
| 3.5 | 0.60 | 56 | 11 | 4.0 | 3.0 | 6 | 4 | 3.2 | 20 | E291M3.5 | E292M3.5 | | |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 5 | 3.7 | 21 | E291M4 | E292M4 | E294M4 | |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 5 | 4.6 | 25 | E291M5 | E292M5 | E294M5 | E289M5 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 5 | 5.5 | 30 | E291M6 | E292M6 | E294M6 | E289M6 |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 5 | 7.4 | 35 | E291M8 | E292M8 | E294M8 | E289M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 5 | 9.3 | 39 | E291M10 | E292M10 | E294M10 | E289M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 5 | 11.2 | - | E291M12 | E292M12 | E294M12 | E289M12 |
| 14 | 2.00 | 110 | 25 | 11.0 | 9.0 | 12 | 6 | 13.0 | - | | | E294M14 | |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 6 | 15.0 | - | E291M16 | E292M16 | E294M16 | |

E293

- M strojní tvářecí závitník
- M Метчик-раскатник
- M Wygniatak maszynowy
- M strojový tvárniaci závitník

| | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E293 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 4.1 | 5.1 | 7.1 | 7.2 | 7.3 |
| | • | 1.5 | 2.3 | 5.2 | 6.1 | 6.3 | 7.4 | | | | | |

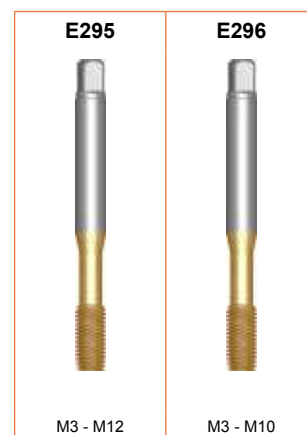
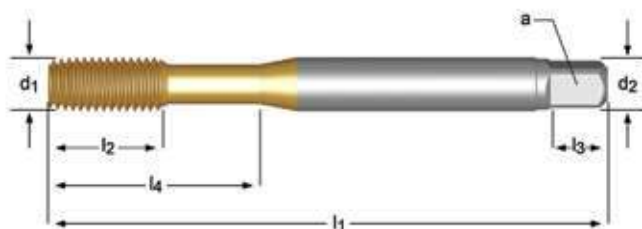


| M | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∟ a mm | l ₃ mm | z | | l ₄ mm | E293 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|----------------------|---------|
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 4 | 2.8 | 18 | E293M3 |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 5 | 3.7 | 21 | E293M4 |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 5 | 4.6 | 25 | E293M5 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 5 | 5.5 | 30 | E293M6 |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 5 | 7.4 | 35 | E293M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 5 | 9.3 | 39 | E293M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 5 | 11.2 | - | E293M12 |
| 16 | 2.00 | 110 | 25 | 12.0 | 9.0 | 12 | 6 | 15.0 | - | E293M16 |

- E295** • M strojní tvářecí závitník
 • M Метчик-раскатник
- E296** • M Wygniatak maszynowy
 • M strojový tvárňaci závitník

E295; E296 ■ 1.1 1.2 1.3 1.4 2.1 2.2 4.1 5.1 7.1 7.2 7.3
 • 1.5 2.3 5.2 6.1 6.3 7.4

| | | | | | | | | | | | |
|-------------|---|----------|-----|--|-----|-------|---------|--|--|-----|--|
| E295 | M | DIN 2174 | 6GX | | 3XD | HSS-E | C 2-3.5 | | | TiN | |
| E296 | M | DIN 2174 | 6GX | | 3XD | HSS-E | E 1.5-2 | | | TiN | |



| M | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E295 | E296 |
|-----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|----------|---------|
| 3 | 0.50 | 56 | 9 | 3.5 | 2.7 | 6 | 4 | 2.8 | 18 | E295M3 | E296M3 |
| 3.5 | 0.60 | 56 | 11 | 4.0 | 3.0 | 6 | 4 | 3.2 | 20 | E295M3.5 | |
| 4 | 0.70 | 63 | 12 | 4.5 | 3.4 | 6 | 5 | 3.7 | 21 | E295M4 | E296M4 |
| 5 | 0.80 | 70 | 13 | 6.0 | 4.9 | 8 | 5 | 4.6 | 25 | E295M5 | E296M5 |
| 6 | 1.00 | 80 | 15 | 6.0 | 4.9 | 8 | 5 | 5.5 | 30 | E295M6 | E296M6 |
| 8 | 1.25 | 90 | 18 | 8.0 | 6.2 | 9 | 5 | 7.4 | 35 | E295M8 | E296M8 |
| 10 | 1.50 | 100 | 20 | 10.0 | 8.0 | 11 | 5 | 9.3 | 39 | E295M10 | E296M10 |
| 12 | 1.75 | 110 | 23 | 9.0 | 7.0 | 10 | 5 | 11.2 | - | E295M12 | |

E105

- MF Závítník ruční, přímá drážka
- MF Ручные метчики с прямой стружечной канавкой
- MF Gwintownik ręczny, prosty rowek wiórowy
- MF Závítník ručný, priama drážka

E105 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3

E105

MF

DIN
2181

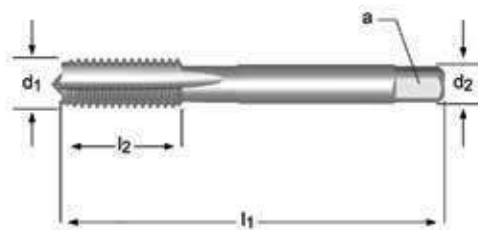
6H



1.5XD

HSS

C
2-3




E105




M2.5 - M50

| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | z | ↕ | E105 |
|-----|---------|----------------------|----------------------|---------------------------|---------|---|------|-----------------|
| 2.5 | 0.35 | 40 | 9 | 2.8 | 2.1 | 3 | 2.15 | E105M2.5X.35NO3 |
| 2.5 | 0.35 | 40 | 9 | 2.8 | 2.1 | 3 | 2.15 | E105M2.5X.35NO9 |
| 3 | 0.35 | 40 | 9 | 3.5 | 2.7 | 3 | 2.65 | E105M3X.35NO3 |
| 3 | 0.35 | 40 | 9 | 3.5 | 2.7 | 3 | 2.65 | E105M3X.35NO9 |
| 3.5 | 0.35 | 45 | 10 | 4.0 | 3.0 | 3 | 3.2 | E105M3.5X.35NO3 |
| 3.5 | 0.35 | 45 | 10 | 4.0 | 3.0 | 3 | 3.2 | E105M3.5X.35NO9 |
| 4 | 0.50 | 45 | 12 | 4.5 | 3.4 | 3 | 3.5 | E105M4X.5NO3 |
| 4 | 0.50 | 45 | 12 | 4.5 | 3.4 | 3 | 3.5 | E105M4X.5NO9 |
| 5 | 0.50 | 50 | 14 | 6.0 | 4.9 | 3 | 4.5 | E105M5X.5NO3 |
| 5 | 0.50 | 50 | 14 | 6.0 | 4.9 | 3 | 4.5 | E105M5X.5NO9 |
| 5.5 | 0.50 | 56 | 16 | 6.0 | 4.9 | 3 | 5 | E105M5.5X.5NO9 |
| 6 | 0.75 | 56 | 16 | 6.0 | 4.9 | 3 | 5.3 | E105M6X.75NO3 |
| 6 | 0.75 | 56 | 16 | 6.0 | 4.9 | 3 | 5.3 | E105M6X.75NO9 |
| 7 | 0.75 | 56 | 16 | 6.0 | 4.9 | 3 | 6.3 | E105M7X.75NO3 |
| 7 | 0.75 | 56 | 16 | 6.0 | 4.9 | 3 | 6.3 | E105M7X.75NO9 |
| 8 | 0.75 | 56 | 16 | 6.0 | 4.9 | 3 | 7.3 | E105M8X.75NO3 |
| 8 | 0.75 | 56 | 16 | 6.0 | 4.9 | 3 | 7.3 | E105M8X.75NO9 |
| 8 | 1.00 | 63 | 19 | 6.0 | 4.9 | 3 | 7 | E105M8X1.0NO3 |
| 8 | 1.00 | 63 | 19 | 6.0 | 4.9 | 3 | 7 | E105M8X1.0NO9 |
| 9 | 0.75 | 63 | 19 | 7.0 | 5.5 | 3 | 8.3 | E105M9X.75NO3 |
| 9 | 0.75 | 63 | 19 | 7.0 | 5.5 | 3 | 8.3 | E105M9X.75NO9 |
| 9 | 1.00 | 63 | 19 | 7.0 | 5.5 | 3 | 8 | E105M9X1.0NO3 |
| 9 | 1.00 | 63 | 19 | 7.0 | 5.5 | 3 | 8 | E105M9X1.0NO9 |
| 10 | 0.75 | 63 | 16 | 7.0 | 5.5 | 3 | 9.3 | E105M10X.75NO3 |
| 10 | 0.75 | 63 | 16 | 7.0 | 5.5 | 3 | 9.3 | E105M10X.75NO9 |
| 10 | 1.00 | 63 | 16 | 7.0 | 5.5 | 3 | 9 | E105M10X1.0NO3 |
| 10 | 1.00 | 63 | 16 | 7.0 | 5.5 | 3 | 9 | E105M10X1.0NO9 |
| 10 | 1.25 | 70 | 22 | 7.0 | 5.5 | 3 | 8.8 | E105M10X1.25NO3 |
| 10 | 1.25 | 70 | 22 | 7.0 | 5.5 | 3 | 8.8 | E105M10X1.25NO9 |
| 11 | 0.75 | 63 | 15 | 8.0 | 6.2 | 3 | 10.3 | E105M11X.75NO3 |
| 11 | 0.75 | 63 | 15 | 8.0 | 6.2 | 3 | 10.3 | E105M11X.75NO9 |
| 11 | 1.00 | 63 | 15 | 8.0 | 6.2 | 3 | 10 | E105M11X1.0NO3 |
| 11 | 1.00 | 63 | 15 | 8.0 | 6.2 | 3 | 10 | E105M11X1.0NO9 |
| 12 | 1.00 | 70 | 16 | 9.0 | 7.0 | 3 | 11 | E105M12X1.0NO3 |
| 12 | 1.00 | 70 | 16 | 9.0 | 7.0 | 3 | 11 | E105M12X1.0NO9 |
| 12 | 1.25 | 70 | 16 | 9.0 | 7.0 | 3 | 10.8 | E105M12X1.25NO3 |
| 12 | 1.25 | 70 | 16 | 9.0 | 7.0 | 3 | 10.8 | E105M12X1.25NO9 |
| 12 | 1.50 | 70 | 16 | 9.0 | 7.0 | 3 | 10.5 | E105M12X1.5NO3 |
| 12 | 1.50 | 70 | 16 | 9.0 | 7.0 | 3 | 10.5 | E105M12X1.5NO9 |
| 14 | 1.00 | 70 | 16 | 11.0 | 9.0 | 4 | 13 | E105M14X1.0NO3 |

NO1 - NO9
219

| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∇ a mm | z |  | E105 |
|----|---------|----------------------|----------------------|---------------------------|--------------|---|---|-----------------|
| 14 | 1.00 | 70 | 16 | 11.0 | 9.0 | 4 | 13 | E105M14X1.0NO9 |
| 14 | 1.25 | 70 | 16 | 11.0 | 9.0 | 4 | 12.8 | E105M14X1.25NO3 |
| 14 | 1.25 | 70 | 16 | 11.0 | 9.0 | 4 | 12.8 | E105M14X1.25NO9 |
| 14 | 1.50 | 70 | 16 | 11.0 | 9.0 | 4 | 12.5 | E105M14X1.5NO3 |
| 14 | 1.50 | 70 | 16 | 11.0 | 9.0 | 4 | 12.5 | E105M14X1.5NO9 |
| 15 | 1.00 | 70 | 16 | 12.0 | 9.0 | 4 | 14 | E105M15X1.0NO3 |
| 15 | 1.00 | 70 | 16 | 12.0 | 9.0 | 4 | 14 | E105M15X1.0NO9 |
| 15 | 1.50 | 70 | 16 | 12.0 | 9.0 | 4 | 13.5 | E105M15X1.5NO3 |
| 15 | 1.50 | 70 | 16 | 12.0 | 9.0 | 4 | 13.5 | E105M15X1.5NO9 |
| 16 | 1.00 | 70 | 16 | 12.0 | 9.0 | 4 | 15 | E105M16X1.0NO3 |
| 16 | 1.00 | 70 | 16 | 12.0 | 9.0 | 4 | 15 | E105M16X1.0NO9 |
| 16 | 1.50 | 70 | 16 | 12.0 | 9.0 | 4 | 14.5 | E105M16X1.5NO3 |
| 16 | 1.50 | 70 | 16 | 12.0 | 9.0 | 4 | 14.5 | E105M16X1.5NO9 |
| 18 | 1.00 | 80 | 18 | 14.0 | 11.0 | 4 | 17 | E105M18X1.0NO3 |
| 18 | 1.00 | 80 | 18 | 14.0 | 11.0 | 4 | 17 | E105M18X1.0NO9 |
| 18 | 1.50 | 80 | 18 | 14.0 | 11.0 | 4 | 16.5 | E105M18X1.5NO3 |
| 18 | 1.50 | 80 | 18 | 14.0 | 11.0 | 4 | 16.5 | E105M18X1.5NO9 |
| 20 | 1.00 | 80 | 18 | 16.0 | 12.0 | 4 | 19 | E105M20X1.0NO3 |
| 20 | 1.00 | 80 | 18 | 16.0 | 12.0 | 4 | 19 | E105M20X1.0NO9 |
| 20 | 1.50 | 80 | 18 | 16.0 | 12.0 | 4 | 18.5 | E105M20X1.5NO3 |
| 20 | 1.50 | 80 | 18 | 16.0 | 12.0 | 4 | 18.5 | E105M20X1.5NO9 |
| 22 | 1.00 | 80 | 22 | 18.0 | 14.5 | 4 | 21 | E105M22X1.0NO3 |
| 22 | 1.00 | 80 | 22 | 18.0 | 14.5 | 4 | 21 | E105M22X1.0NO9 |
| 22 | 1.50 | 80 | 22 | 18.0 | 14.5 | 4 | 20.5 | E105M22X1.5NO3 |
| 22 | 1.50 | 80 | 22 | 18.0 | 14.5 | 4 | 20.5 | E105M22X1.5NO9 |
| 24 | 1.00 | 90 | 22 | 18.0 | 14.5 | 4 | 23 | E105M24X1.0NO3 |
| 24 | 1.00 | 90 | 22 | 18.0 | 14.5 | 4 | 23 | E105M24X1.0NO9 |
| 24 | 1.50 | 90 | 22 | 18.0 | 14.5 | 4 | 22.5 | E105M24X1.5NO3 |
| 24 | 1.50 | 90 | 22 | 18.0 | 14.5 | 4 | 22.5 | E105M24X1.5NO9 |
| 24 | 2.00 | 90 | 22 | 18.0 | 14.5 | 4 | 22 | E105M24X2.0NO3 |
| 24 | 2.00 | 90 | 22 | 18.0 | 14.5 | 4 | 22 | E105M24X2.0NO9 |
| 25 | 1.50 | 90 | 22 | 18.0 | 14.5 | 4 | 23.5 | E105M25X1.5NO3 |
| 25 | 1.50 | 90 | 22 | 18.0 | 14.5 | 4 | 23.5 | E105M25X1.5NO9 |
| 25 | 2.00 | 90 | 22 | 18.0 | 14.5 | 4 | 23 | E105M25X2.0NO3 |
| 25 | 2.00 | 90 | 22 | 18.0 | 14.5 | 4 | 23 | E105M25X2.0NO9 |
| 27 | 1.50 | 90 | 22 | 20.0 | 16.0 | 4 | 25.5 | E105M27X1.5NO3 |
| 27 | 1.50 | 90 | 22 | 20.0 | 16.0 | 4 | 25.5 | E105M27X1.5NO9 |
| 27 | 2.00 | 90 | 22 | 20.0 | 16.0 | 4 | 25 | E105M27X2.0NO3 |
| 27 | 2.00 | 90 | 22 | 20.0 | 16.0 | 4 | 25 | E105M27X2.0NO9 |
| 28 | 1.50 | 90 | 22 | 20.0 | 16.0 | 4 | 26.5 | E105M28X1.5NO3 |
| 28 | 1.50 | 90 | 22 | 20.0 | 16.0 | 4 | 26.5 | E105M28X1.5NO9 |
| 28 | 2.00 | 90 | 22 | 20.0 | 16.0 | 4 | 26 | E105M28X2.0NO3 |
| 28 | 2.00 | 90 | 22 | 20.0 | 16.0 | 4 | 26 | E105M28X2.0NO9 |
| 30 | 1.50 | 90 | 22 | 22.0 | 18.0 | 4 | 28.5 | E105M30X1.5NO3 |
| 30 | 1.50 | 90 | 22 | 22.0 | 18.0 | 4 | 28.5 | E105M30X1.5NO9 |
| 30 | 2.00 | 90 | 22 | 22.0 | 18.0 | 4 | 28 | E105M30X2.0NO3 |
| 30 | 2.00 | 90 | 22 | 22.0 | 18.0 | 4 | 28 | E105M30X2.0NO9 |
| 32 | 1.50 | 90 | 22 | 22.0 | 18.0 | 4 | 30.5 | E105M32X1.5NO3 |
| 32 | 1.50 | 90 | 22 | 22.0 | 18.0 | 4 | 30.5 | E105M32X1.5NO9 |
| 32 | 2.00 | 90 | 22 | 22.0 | 18.0 | 4 | 30 | E105M32X2.0NO3 |
| 32 | 2.00 | 90 | 22 | 22.0 | 18.0 | 4 | 30 | E105M32X2.0NO9 |
| 36 | 1.50 | 100 | 25 | 28.0 | 22.0 | 4 | 34.5 | E105M36X1.5NO3 |
| 36 | 1.50 | 100 | 25 | 28.0 | 22.0 | 4 | 34.5 | E105M36X1.5NO9 |
| 36 | 2.00 | 125 | 40 | 28.0 | 22.0 | 4 | 34 | E105M36X2.0NO3 |
| 36 | 2.00 | 125 | 40 | 28.0 | 22.0 | 4 | 34 | E105M36X2.0NO9 |
| 36 | 3.00 | 125 | 40 | 28.0 | 22.0 | 4 | 33 | E105M36X3.0NO3 |
| 36 | 3.00 | 125 | 40 | 28.0 | 22.0 | 4 | 33 | E105M36X3.0NO9 |
| 40 | 1.50 | 110 | 25 | 32.0 | 24.0 | 4 | 38.5 | E105M40X1.5NO3 |
| 40 | 1.50 | 110 | 25 | 32.0 | 24.0 | 4 | 38.5 | E105M40X1.5NO9 |
| 40 | 2.00 | 125 | 40 | 32.0 | 24.0 | 4 | 38 | E105M40X2.0NO3 |
| 40 | 2.00 | 125 | 40 | 32.0 | 24.0 | 4 | 38 | E105M40X2.0NO9 |
| 40 | 3.00 | 125 | 40 | 32.0 | 24.0 | 4 | 37 | E105M40X3.0NO3 |
| 40 | 3.00 | 125 | 40 | 32.0 | 24.0 | 4 | 37 | E105M40X3.0NO9 |
| 42 | 1.50 | 110 | 25 | 32.0 | 24.0 | 4 | 40.5 | E105M42X1.5NO3 |
| 42 | 1.50 | 110 | 25 | 32.0 | 24.0 | 4 | 40.5 | E105M42X1.5NO9 |
| 42 | 2.00 | 125 | 40 | 32.0 | 24.0 | 4 | 40 | E105M42X2.0NO3 |
| 42 | 2.00 | 125 | 40 | 32.0 | 24.0 | 4 | 40 | E105M42X2.0NO9 |
| 42 | 3.00 | 125 | 40 | 32.0 | 24.0 | 4 | 39 | E105M42X3.0NO3 |
| 42 | 3.00 | 125 | 40 | 32.0 | 24.0 | 4 | 39 | E105M42X3.0NO9 |
| 45 | 1.50 | 110 | 25 | 36.0 | 29.0 | 6 | 43.5 | E105M45X1.5NO3 |



| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∅ a mm | z |  | E105 |
|----|---------|----------------------|----------------------|---------------------------|--------------|---|---|----------------|
| 45 | 1.50 | 110 | 25 | 36.0 | 29.0 | 6 | 43.5 | E105M45X1.5NO9 |
| 45 | 2.00 | 125 | 40 | 36.0 | 29.0 | 6 | 43 | E105M45X2.0NO3 |
| 45 | 2.00 | 125 | 40 | 36.0 | 29.0 | 6 | 43 | E105M45X2.0NO9 |
| 45 | 3.00 | 125 | 40 | 36.0 | 29.0 | 6 | 42 | E105M45X3.0NO3 |
| 45 | 3.00 | 125 | 40 | 36.0 | 29.0 | 6 | 42 | E105M45X3.0NO9 |
| 48 | 1.50 | 140 | 40 | 36.0 | 29.0 | 6 | 46.5 | E105M48X1.5NO3 |
| 48 | 1.50 | 140 | 40 | 36.0 | 29.0 | 6 | 46.5 | E105M48X1.5NO9 |
| 48 | 2.00 | 140 | 40 | 36.0 | 29.0 | 6 | 46 | E105M48X2.0NO3 |
| 48 | 2.00 | 140 | 40 | 36.0 | 29.0 | 6 | 46 | E105M48X2.0NO9 |
| 48 | 3.00 | 140 | 40 | 36.0 | 29.0 | 6 | 45 | E105M48X3.0NO3 |
| 48 | 3.00 | 140 | 40 | 36.0 | 29.0 | 6 | 45 | E105M48X3.0NO9 |
| 50 | 1.50 | 140 | 40 | 36.0 | 29.0 | 6 | 48.5 | E105M50X1.5NO3 |
| 50 | 1.50 | 140 | 40 | 36.0 | 29.0 | 6 | 48.5 | E105M50X1.5NO9 |
| 50 | 2.00 | 140 | 40 | 36.0 | 29.0 | 6 | 48 | E105M50X2.0NO3 |
| 50 | 2.00 | 140 | 40 | 36.0 | 29.0 | 6 | 48 | E105M50X2.0NO9 |
| 50 | 3.00 | 140 | 40 | 36.0 | 29.0 | 6 | 47 | E105M50X3.0NO3 |
| 50 | 3.00 | 140 | 40 | 36.0 | 29.0 | 6 | 47 | E105M50X3.0NO9 |



E268 E242 E290


- MF strojní závitník Do vyprodání skladu dodáváno v HSS-E
- MF Машинные метчики с прямой стружечной канавкой HSS-E до складирования новой продукции
- MF Gwintownik maszynowy, prosty rowek wiórowy Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
- MF strojový závitník Do vypredania skladu dodávané v HSS-E

E268; E242; E290 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2

| | | | | | | | | | | | |
|------|----|---------|----|--|-------|----------|-------|--|--|--|--|
| E268 | MF | DIN 374 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |
| E242 | MF | DIN 371 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |
| E290 | MF | DIN 374 | 6H | | 1.5XD | HSS-E PM | C 2-3 | | | | |

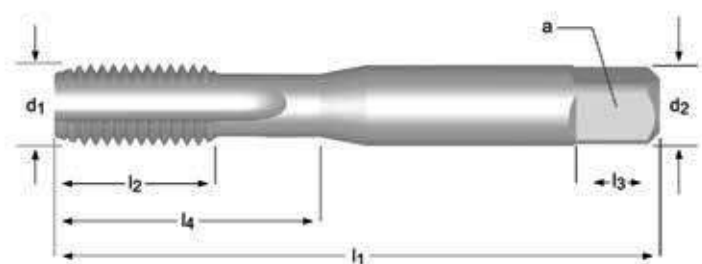


| MF | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E268 | E242 | E290 |
|----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|--------------|-------------|-------------|
| 4 | 0.50 | 63 | 10 | 2.8 | 2.1 | 5 | 3 | 3.5 | | E268M4X.5 | | |
| 5 | 0.50 | 70 | 13 | 3.5 | 2.7 | 6 | 3 | 4.5 | | E268M5X.5 | | |
| 6 | 0.75 | 80 | 15 | 4.5 | 3.4 | 6 | 3 | 5.3 | | E268M6X.75 | | |
| 7 | 0.75 | 80 | 15 | 5.5 | 4.3 | 7 | 3 | 6.3 | | E268M7X.75 | | |
| 8 | 0.75 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 7.3 | | E268M8X.75 | | |
| 8 | 1.00 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 7.0 | | E268M8X1.0 | | |
| 8 | 1.00 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 7.0 | 35 | | E242M8X1.0 | |
| 9 | 1.00 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 8.0 | | E268M9X1.0 | | |
| 10 | 0.75 | 90 | 20 | 7.0 | 5.5 | 8 | 3 | 9.3 | | E268M10X.75 | | |
| 10 | 1.00 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 9.0 | 39 | | E242M10X1.0 | |
| 10 | 1.00 | 90 | 20 | 7.0 | 5.5 | 8 | 3 | 9.0 | | E268M10X1.0 | | |
| 10 | 1.25 | 100 | 20 | 7.0 | 5.5 | 8 | 3 | 8.8 | | E268M10X1.25 | | |
| 11 | 1.00 | 90 | 20 | 8.0 | 6.2 | 9 | 3 | 10.0 | | E268M11X1.0 | | |
| 12 | 1.00 | 100 | 21 | 9.0 | 7.0 | 10 | 4 | 11.0 | | E268M12X1.0 | | E290M12X1.0 |
| 12 | 1.25 | 100 | 21 | 9.0 | 7.0 | 10 | 4 | 10.8 | | E268M12X1.25 | | |
| 12 | 1.50 | 100 | 21 | 9.0 | 7.0 | 10 | 4 | 10.5 | | E268M12X1.5 | | E290M12X1.5 |
| 14 | 1.00 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 13.0 | | E268M14X1.0 | | E290M14X1.0 |
| 14 | 1.25 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 12.8 | | E268M14X1.25 | | |
| 14 | 1.50 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 12.5 | | E268M14X1.5 | | E290M14X1.5 |
| 15 | 1.50 | 100 | 21 | 12.0 | 9.0 | 12 | 4 | 13.5 | | E268M15X1.5 | | |
| 16 | 1.00 | 100 | 21 | 12.0 | 9.0 | 12 | 4 | 15.0 | | E268M16X1.0 | | E290M16X1.0 |
| 16 | 1.50 | 100 | 21 | 12.0 | 9.0 | 12 | 4 | 14.5 | | E268M16X1.5 | | E290M16X1.5 |
| 18 | 1.00 | 110 | 24 | 14.0 | 11.0 | 14 | 4 | 17.0 | | E268M18X1.0 | | |
| 18 | 1.50 | 110 | 24 | 14.0 | 11.0 | 14 | 4 | 16.5 | | E268M18X1.5 | | E290M18X1.5 |
| 20 | 1.00 | 125 | 24 | 16.0 | 12.0 | 15 | 4 | 19.0 | | E268M20X1.0 | | |
| 20 | 1.50 | 125 | 24 | 16.0 | 12.0 | 15 | 4 | 18.5 | | E268M20X1.5 | | E290M20X1.5 |
| 22 | 1.00 | 125 | 25 | 18.0 | 14.5 | 17 | 4 | 21.0 | | E268M22X1.0 | | |
| 22 | 1.50 | 125 | 25 | 18.0 | 14.5 | 17 | 4 | 20.5 | | E268M22X1.5 | | E290M22X1.5 |

| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z |  | l ₄ mm | E268 | E242 | E290 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|-------------|---------------|-------------|
| 24 | 1.00 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 23.0 | | E268M24X1.0 | | |
| 24 | 1.50 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 22.5 | | E268M24X1.5 | | E290M24X1.5 |
| 24 | 2.00 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 22.0 | | E268M24X2.0 | | |
| 25 | 1.50 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 23.5 | | E268M25X1.5 | | |
| 25 | 2.00 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 23.0 | | E268M25X2.0 | | |
| 26 | 1.50 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 24.5 | | E268M26X1.5 | | |
| 26 | 2.00 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 24.0 | | E268M26X2.0 | | |
| 27 | 1.50 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 25.5 | | E268M27X1.5 | | |
| 27 | 2.00 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 25.0 | | E268M27X2.0 | | |
| 28 | 1.50 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 26.5 | | E268M28X1.5 | | |
| 28 | 2.00 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 26.0 | | E268M28X2.0 | | |
| 30 | 1.50 | 150 | 28 | 22.0 | 18.0 | 21 | 4 | 28.5 | | E268M30X1.5 | | |
| 30 | 2.00 | 150 | 28 | 22.0 | 18.0 | 21 | 4 | 28.0 | | E268M30X2.0 | | |
| 32 | 1.50 | 150 | 28 | 22.0 | 18.0 | 21 | 4 | 30.5 | | E268M32X1.5 | | |
| 32 | 2.00 | 150 | 28 | 22.0 | 18.0 | 21 | 4 | 30.0 | | E268M32X2.0 | | |
| 33 | 1.50 | 160 | 30 | 25.0 | 20.0 | 23 | 4 | 31.5 | | E268M33X1.5 | | |
| 34 | 1.50 | 170 | 30 | 28.0 | 22.0 | 25 | 4 | 32.5 | | E268M34X1.5 | | |
| 35 | 1.50 | 170 | 30 | 28.0 | 22.0 | 25 | 4 | 33.5 | | E268M35X1.5 | | |
| 36 | 1.50 | 170 | 30 | 28.0 | 22.0 | 25 | 4 | 34.5 | | E268M36X1.5 | | |
| 36 | 2.00 | 170 | 30 | 28.0 | 22.0 | 25 | 4 | 34.0 | | E268M36X2.0 | | |
| 36 | 3.00 | 200 | 55 | 28.0 | 22.0 | 25 | 4 | 33.0 | | E268M36X3.0 | | |
| 40 | 1.50 | 170 | 30 | 32.0 | 24.0 | 27 | 4 | 38.5 | | E268M40X1.5 | | |
| 40 | 2.00 | 170 | 30 | 32.0 | 24.0 | 27 | 4 | 38.0 | | E268M40X2.0 | | |
| 40 | 3.00 | 200 | 60 | 32.0 | 24.0 | 27 | 4 | 37.0 | | E268M40X3.0 | | |
| 42 | 1.50 | 170 | 30 | 32.0 | 24.0 | 27 | 4 | 40.5 | | E268M42X1.5 | ¹⁾ | |
| 42 | 2.00 | 170 | 30 | 32.0 | 24.0 | 27 | 4 | 40.0 | | E268M42X2.0 | ¹⁾ | |
| 42 | 3.00 | 200 | 60 | 32.0 | 24.0 | 27 | 4 | 39.0 | | E268M42X3.0 | ¹⁾ | |
| 45 | 1.50 | 180 | 32 | 36.0 | 29.0 | 32 | 6 | 43.5 | | E268M45X1.5 | ¹⁾ | |
| 45 | 2.00 | 180 | 32 | 36.0 | 29.0 | 32 | 6 | 43.0 | | E268M45X2.0 | ¹⁾ | |
| 45 | 3.00 | 200 | 42 | 36.0 | 29.0 | 32 | 6 | 42.0 | | E268M45X3.0 | ¹⁾ | |
| 48 | 1.50 | 190 | 32 | 36.0 | 29.0 | 32 | 6 | 46.5 | | E268M48X1.5 | ¹⁾ | |
| 48 | 2.00 | 190 | 32 | 36.0 | 29.0 | 32 | 6 | 46.0 | | E268M48X2.0 | ¹⁾ | |
| 48 | 3.00 | 225 | 50 | 36.0 | 29.0 | 32 | 6 | 45.0 | | E268M48X3.0 | ¹⁾ | |
| 50 | 1.50 | 190 | 32 | 36.0 | 29.0 | 32 | 6 | 48.5 | | E268M50X1.5 | ¹⁾ | |
| 50 | 2.00 | 190 | 30 | 36.0 | 29.0 | 32 | 6 | 48.0 | | E268M50X2.0 | ¹⁾ | |
| 50 | 3.00 | 225 | 50 | 36.0 | 29.0 | 32 | 6 | 47.0 | | E268M50X3.0 | ¹⁾ | |

- E513**
- MF strojní závitník
 - MF Машинные метчики с прямой стружечной канавкой
 - MF Gwintownik maszynowy, prosty rowek wiórowy
 - MF strojový závitník

E513 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3




E513




M3 - M50


| MF | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∇ a mm | l ₃ mm | z | | l ₄ mm | E513 |
|-----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|----------------------|-----------------|
| 3 | 0.35 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.65 | 12.5 | E513M3X.35NO1 |
| 3 | 0.35 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.65 | 12.5 | E513M3X.35NO2 |
| 3 | 0.35 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.65 | 12.5 | E513M3X.35NO3 |
| 3.5 | 0.35 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 3.2 | 12.5 | E513M3.5X.35NO3 |
| 4 | 0.50 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.5 | 14 | E513M4X.5NO1 |
| 4 | 0.50 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.5 | 14 | E513M4X.5NO2 |
| 4 | 0.50 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.5 | 14 | E513M4X.5NO3 |
| 4 | 0.50 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.5 | 14 | E513M4X.5NO7 |
| 5 | 0.50 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.5 | 22 | E513M5X.5NO1 |
| 5 | 0.50 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.5 | 22 | E513M5X.5NO2 |
| 5 | 0.50 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.5 | 22 | E513M5X.5NO3 |
| 5 | 0.50 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.5 | 22 | E513M5X.5NO7 |
| 5 | 0.75 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.3 | 22 | E513M5X.75NO1 |
| 5 | 0.75 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.3 | 22 | E513M5X.75NO2 |
| 5 | 0.75 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.3 | 22 | E513M5X.75NO3 |
| 6 | 0.50 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.5 | 26 | E513M6X.5NO1 |
| 6 | 0.50 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.5 | 26 | E513M6X.5NO2 |
| 6 | 0.50 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.5 | 26 | E513M6X.5NO3 |
| 6 | 0.75 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.3 | 26 | E513M6X.75NO1 |
| 6 | 0.75 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.3 | 26 | E513M6X.75NO2 |
| 6 | 0.75 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.3 | 26 | E513M6X.75NO3 |
| 6 | 0.75 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.3 | 26 | E513M6X.75NO7 |
| 7 | 0.75 | 66 | 13 | 7.10 | 5.60 | 8 | 3 | 6.3 | 26 | E513M7X.75NO1 |
| 7 | 0.75 | 66 | 13 | 7.10 | 5.60 | 8 | 3 | 6.3 | 26 | E513M7X.75NO2 |
| 7 | 0.75 | 66 | 13 | 7.10 | 5.60 | 8 | 3 | 6.3 | 26 | E513M7X.75NO3 |
| 8 | 0.50 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7.5 | 29 | E513M8X.5NO1 |
| 8 | 0.50 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7.5 | 29 | E513M8X.5NO2 |
| 8 | 0.50 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7.5 | 29 | E513M8X.5NO3 |
| 8 | 0.75 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7.3 | 29 | E513M8X.75NO1 |
| 8 | 0.75 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7.3 | 29 | E513M8X.75NO2 |
| 8 | 0.75 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7.3 | 29 | E513M8X.75NO3 |
| 8 | 0.75 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7.3 | 29 | E513M8X.75NO7 |
| 8 | 1.00 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7 | 29 | E513M8X1.0NO1 |
| 8 | 1.00 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7 | 29 | E513M8X1.0NO2 |
| 8 | 1.00 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7 | 29 | E513M8X1.0NO3 |
| 8 | 1.00 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 7 | 29 | E513M8X1.0NO7 |
| 9 | 0.75 | 72 | 16 | 9.00 | 7.10 | 10 | 3 | 8.3 | 29 | E513M9X.75NO3 |
| 9 | 1.00 | 72 | 16 | 9.00 | 7.10 | 10 | 3 | 8 | 29 | E513M9X1.0NO1 |
| 9 | 1.00 | 72 | 16 | 9.00 | 7.10 | 10 | 3 | 8 | 29 | E513M9X1.0NO2 |
| 9 | 1.00 | 72 | 16 | 9.00 | 7.10 | 10 | 3 | 8 | 29 | E513M9X1.0NO3 |

NO1-NO9
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| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z |  | l ₄ mm | E513 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|-----------------|
| 10 | 0.50 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 9.5 | 34 | E513M10X.5NO3 |
| 10 | 0.75 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 9.3 | 34 | E513M10X.75NO1 |
| 10 | 0.75 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 9.3 | 34 | E513M10X.75NO2 |
| 10 | 0.75 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 9.3 | 34 | E513M10X.75NO3 |
| 10 | 1.00 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 9 | 34 | E513M10X1.0NO1 |
| 10 | 1.00 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 9 | 34 | E513M10X1.0NO2 |
| 10 | 1.00 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 9 | 34 | E513M10X1.0NO3 |
| 10 | 1.00 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 9 | 34 | E513M10X1.0NO6 |
| 10 | 1.00 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 9 | 34 | E513M10X1.0NO7 |
| 10 | 1.25 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.8 | 34 | E513M10X1.25NO1 |
| 10 | 1.25 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.8 | 34 | E513M10X1.25NO2 |
| 10 | 1.25 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.8 | 34 | E513M10X1.25NO3 |
| 10 | 1.25 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.8 | 34 | E513M10X1.25NO6 |
| 10 | 1.25 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.8 | 34 | E513M10X1.25NO7 |
| 11 | 0.75 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 10.3 | - | E513M11X.75NO1 |
| 11 | 0.75 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 10.3 | - | E513M11X.75NO2 |
| 11 | 0.75 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 10.3 | - | E513M11X.75NO3 |
| 11 | 1.00 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 10 | - | E513M11X1.0NO1 |
| 11 | 1.00 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 10 | - | E513M11X1.0NO2 |
| 11 | 1.00 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 10 | - | E513M11X1.0NO3 |
| 11 | 1.25 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.8 | - | E513M11X1.25NO3 |
| 12 | 0.75 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11.3 | - | E513M12X.75NO3 |
| 12 | 1.00 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11 | - | E513M12X1.0NO1 |
| 12 | 1.00 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11 | - | E513M12X1.0NO2 |
| 12 | 1.00 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11 | - | E513M12X1.0NO3 |
| 12 | 1.00 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11 | - | E513M12X1.0NO7 |
| 12 | 1.25 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.8 | - | E513M12X1.25NO1 |
| 12 | 1.25 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.8 | - | E513M12X1.25NO2 |
| 12 | 1.25 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.8 | - | E513M12X1.25NO3 |
| 12 | 1.25 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.8 | - | E513M12X1.25NO6 |
| 12 | 1.25 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.8 | - | E513M12X1.25NO7 |
| 12 | 1.50 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.5 | - | E513M12X1.5NO1 |
| 12 | 1.50 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.5 | - | E513M12X1.5NO2 |
| 12 | 1.50 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.5 | - | E513M12X1.5NO3 |
| 12 | 1.50 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.5 | - | E513M12X1.5NO6 |
| 12 | 1.50 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.5 | - | E513M12X1.5NO7 |
| 13 | 1.50 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11.5 | - | E513M13X1.5NO3 |
| 14 | 1.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 13 | - | E513M14X1.0NO1 |
| 14 | 1.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 13 | - | E513M14X1.0NO2 |
| 14 | 1.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 13 | - | E513M14X1.0NO3 |
| 14 | 1.00 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 13 | - | E513M14X1.0NO7 |
| 14 | 1.25 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.8 | - | E513M14X1.25NO1 |
| 14 | 1.25 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.8 | - | E513M14X1.25NO2 |
| 14 | 1.25 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.8 | - | E513M14X1.25NO3 |
| 14 | 1.25 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.8 | - | E513M14X1.25NO6 |
| 14 | 1.50 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.5 | - | E513M14X1.5NO1 |
| 14 | 1.50 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.5 | - | E513M14X1.5NO2 |
| 14 | 1.50 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.5 | - | E513M14X1.5NO3 |
| 14 | 1.50 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.5 | - | E513M14X1.5NO6 |
| 14 | 1.50 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.5 | - | E513M14X1.5NO7 |
| 15 | 1.50 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 13.5 | - | E513M15X1.5NO2 |
| 15 | 1.50 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 13.5 | - | E513M15X1.5NO3 |
| 16 | 1.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 15 | - | E513M16X1.0NO1 |
| 16 | 1.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 15 | - | E513M16X1.0NO2 |
| 16 | 1.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 15 | - | E513M16X1.0NO3 |
| 16 | 1.00 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 15 | - | E513M16X1.0NO7 |
| 16 | 1.25 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.8 | - | E513M16X1.25NO3 |
| 16 | 1.50 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.5 | - | E513M16X1.5NO1 |
| 16 | 1.50 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.5 | - | E513M16X1.5NO2 |
| 16 | 1.50 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.5 | - | E513M16X1.5NO3 |
| 16 | 1.50 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.5 | - | E513M16X1.5NO6 |
| 16 | 1.50 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.5 | - | E513M16X1.5NO7 |
| 18 | 1.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17 | - | E513M18X1.0NO1 |
| 18 | 1.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17 | - | E513M18X1.0NO2 |
| 18 | 1.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17 | - | E513M18X1.0NO3 |
| 18 | 1.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17 | - | E513M18X1.0NO7 |
| 18 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.5 | - | E513M18X1.5NO1 |
| 18 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.5 | - | E513M18X1.5NO2 |
| 18 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.5 | - | E513M18X1.5NO3 |
| 18 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.5 | - | E513M18X1.5NO6 |

NO1-N09
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| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z |  | l ₄ mm | E513 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|----------------|
| 18 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.5 | - | E513M18X1.5NO7 |
| 18 | 2.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16 | - | E513M18X2.0NO1 |
| 18 | 2.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16 | - | E513M18X2.0NO2 |
| 18 | 2.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16 | - | E513M18X2.0NO3 |
| 18 | 2.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16 | - | E513M18X2.0NO7 |
| 20 | 1.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 19 | - | E513M20X1.0NO1 |
| 20 | 1.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 19 | - | E513M20X1.0NO2 |
| 20 | 1.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 19 | - | E513M20X1.0NO3 |
| 20 | 1.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 19 | - | E513M20X1.0NO7 |
| 20 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 18.5 | - | E513M20X1.5NO1 |
| 20 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 18.5 | - | E513M20X1.5NO2 |
| 20 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 18.5 | - | E513M20X1.5NO3 |
| 20 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 18.5 | - | E513M20X1.5NO6 |
| 20 | 1.50 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 18.5 | - | E513M20X1.5NO7 |
| 20 | 2.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 18 | - | E513M20X2.0NO1 |
| 20 | 2.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 18 | - | E513M20X2.0NO2 |
| 20 | 2.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 18 | - | E513M20X2.0NO3 |
| 20 | 2.00 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 18 | - | E513M20X2.0NO7 |
| 22 | 1.00 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 21 | - | E513M22X1.0NO2 |
| 22 | 1.00 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 21 | - | E513M22X1.0NO3 |
| 22 | 1.00 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 21 | - | E513M22X1.0NO7 |
| 22 | 1.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20.5 | - | E513M22X1.5NO1 |
| 22 | 1.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20.5 | - | E513M22X1.5NO2 |
| 22 | 1.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20.5 | - | E513M22X1.5NO3 |
| 22 | 1.50 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20.5 | - | E513M22X1.5NO7 |
| 22 | 2.00 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20 | - | E513M22X2.0NO1 |
| 22 | 2.00 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20 | - | E513M22X2.0NO2 |
| 22 | 2.00 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20 | - | E513M22X2.0NO3 |
| 22 | 2.00 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20 | - | E513M22X2.0NO7 |
| 24 | 1.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23 | - | E513M24X1.0NO2 |
| 24 | 1.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23 | - | E513M24X1.0NO3 |
| 24 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.5 | - | E513M24X1.5NO1 |
| 24 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.5 | - | E513M24X1.5NO2 |
| 24 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.5 | - | E513M24X1.5NO3 |
| 24 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.5 | - | E513M24X1.5NO7 |
| 24 | 2.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22 | - | E513M24X2.0NO1 |
| 24 | 2.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22 | - | E513M24X2.0NO2 |
| 24 | 2.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22 | - | E513M24X2.0NO3 |
| 24 | 2.00 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22 | - | E513M24X2.0NO7 |
| 25 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23.5 | - | E513M25X1.5NO1 |
| 25 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23.5 | - | E513M25X1.5NO2 |
| 25 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23.5 | - | E513M25X1.5NO3 |
| 25 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23.5 | - | E513M25X1.5NO6 |
| 25 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23.5 | - | E513M25X1.5NO7 |
| 26 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 24.5 | - | E513M26X1.5NO2 |
| 26 | 1.50 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 24.5 | - | E513M26X1.5NO3 |
| 27 | 1.50 | 135 | 35 | 20.00 | 16.00 | 20 | 4 | 25.5 | - | E513M27X1.5NO2 |
| 27 | 1.50 | 135 | 35 | 20.00 | 16.00 | 20 | 4 | 25.5 | - | E513M27X1.5NO3 |
| 27 | 2.00 | 135 | 35 | 20.00 | 16.00 | 20 | 4 | 25 | - | E513M27X2.0NO3 |
| 28 | 1.50 | 138 | 35 | 20.00 | 16.00 | 20 | 4 | 26.5 | - | E513M28X1.5NO2 |
| 28 | 1.50 | 138 | 35 | 20.00 | 16.00 | 20 | 4 | 26.5 | - | E513M28X1.5NO3 |
| 30 | 1.50 | 138 | 41 | 20.00 | 16.00 | 20 | 4 | 28.5 | - | E513M30X1.5NO2 |
| 30 | 1.50 | 138 | 41 | 20.00 | 16.00 | 20 | 4 | 28.5 | - | E513M30X1.5NO3 |
| 30 | 2.00 | 138 | 41 | 20.00 | 16.00 | 20 | 4 | 28 | - | E513M30X2.0NO2 |
| 30 | 2.00 | 138 | 41 | 20.00 | 16.00 | 20 | 4 | 28 | - | E513M30X2.0NO3 |
| 32 | 1.50 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 30.5 | - | E513M32X1.5NO1 |
| 32 | 1.50 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 30.5 | - | E513M32X1.5NO2 |
| 32 | 1.50 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 30.5 | - | E513M32X1.5NO3 |
| 33 | 2.00 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 31 | - | E513M33X2.0NO2 |
| 33 | 2.00 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 31 | - | E513M33X2.0NO3 |
| 35 | 1.50 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 33.5 | - | E513M35X1.5NO2 |
| 35 | 1.50 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 33.5 | - | E513M35X1.5NO3 |
| 36 | 1.50 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 34.5 | - | E513M36X1.5NO3 |
| 36 | 2.00 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 34 | - | E513M36X2.0NO2 |
| 36 | 2.00 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 34 | - | E513M36X2.0NO3 |
| 36 | 3.00 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 33 | - | E513M36X3.0NO2 |
| 36 | 3.00 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 33 | - | E513M36X3.0NO3 |
| 39 | 3.00 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 36 | - | E513M39X3.0NO2 |
| 39 | 3.00 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 36 | - | E513M39X3.0NO3 |
| 40 | 1.50 | 170 | 53 | 28.00 | 22.40 | 26 | 6 | 38.5 | - | E513M40X1.5NO2 |

| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∇ a mm | l ₃ mm | z |  | l ₄ mm | E513 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|----------------|
| 40 | 1.50 | 170 | 53 | 28.00 | 22.40 | 26 | 6 | 38.5 | - | E513M40X1.5NO3 |
| 42 | 1.50 | 170 | 53 | 28.00 | 22.40 | 26 | 6 | 40.5 | - | E513M42X1.5NO2 |
| 42 | 1.50 | 170 | 53 | 28.00 | 22.40 | 26 | 6 | 40.5 | - | E513M42X1.5NO3 |
| 42 | 3.00 | 170 | 53 | 28.00 | 22.40 | 26 | 6 | 39 | - | E513M42X3.0NO3 |
| 45 | 1.50 | 187 | 54 | 31.50 | 25.00 | 28 | 6 | 43.5 | - | E513M45X1.5NO2 |
| 45 | 1.50 | 187 | 54 | 31.50 | 25.00 | 28 | 6 | 43.5 | - | E513M45X1.5NO3 |
| 48 | 1.50 | 187 | 60 | 31.50 | 25.00 | 28 | 6 | 46.5 | - | E513M48X1.5NO3 |
| 48 | 2.00 | 187 | 60 | 31.50 | 25.00 | 28 | 6 | 46 | - | E513M48X2.0NO3 |
| 48 | 3.00 | 187 | 60 | 31.50 | 25.00 | 28 | 6 | 45 | - | E513M48X3.0NO3 |
| 50 | 1.50 | 187 | 60 | 31.50 | 25.00 | 28 | 6 | 48.5 | - | E513M50X1.5NO2 |
| 50 | 1.50 | 187 | 60 | 31.50 | 25.00 | 28 | 6 | 48.5 | - | E513M50X1.5NO3 |



EP10 EP10TIN EP11


- MF strojní závitník, přímá drážka, lamač Do vyprodání skladu dodáváno v HSS-E
- MF Машинные метчики с подточкой по заборному конусу HSS-E до складирования новой продукции
- MF Gwintownik maszynowy, prosty drobnozwojny Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
- MF strojový závitník, priama drážka s lamačom triesok Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | | | | |
|---------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EP10 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 6.1 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 | |
| | • | 1.6 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 | 6.2 | 8.1 | |
| EP10TIN | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | 6.1 | 6.3 | 7.3 | 7.4 | |
| | • | 1.6 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 | 6.2 | 8.2 |
| EP11 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | | | | |

| | | | | | | | | | | | |
|---------|----|---------|----|--|-------|----------|---------|--|--|--|----|
| EP10 | MF | DIN 374 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | | |
| EP10TIN | MF | DIN 374 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | | TN |
| EP11 | MF | DIN 374 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | | ST |



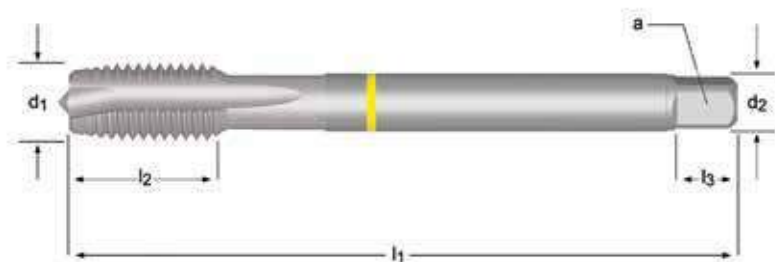
| MF | P mm | l ₁ mm | l ₂ mm | d ₁ mm | a mm | l ₃ mm | z | | EP10 | EP10TIN | EP11 |
|----|------|-------------------|-------------------|-------------------|------|-------------------|---|------|--------------|-----------------|--------------|
| 4 | 0.50 | 63 | 12 | 2.8 | 2.1 | 5 | 3 | 3.5 | EP10M4X.5 | | EP11M4X.5 |
| 5 | 0.50 | 70 | 13 | 3.5 | 2.7 | 6 | 3 | 4.5 | EP10M5X.5 | | EP11M5X.5 |
| 6 | 0.75 | 80 | 15 | 4.5 | 3.4 | 6 | 3 | 5.3 | EP10M6X.75 | | EP11M6X.75 |
| 8 | 0.75 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 7.3 | EP10M8X.75 | | EP11M8X.75 |
| 8 | 1.00 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 7 | EP10M8X1.0 | EP10TINM8X1.0 | EP11M8X1.0 |
| 10 | 0.75 | 90 | 18 | 7.0 | 5.5 | 8 | 3 | 9.3 | EP10M10X.75 | | EP11M10X.75 |
| 10 | 1.00 | 90 | 18 | 7.0 | 5.5 | 8 | 3 | 9 | EP10M10X1.0 | EP10TINM10X1.0 | EP11M10X1.0 |
| 10 | 1.25 | 100 | 20 | 7.0 | 5.5 | 8 | 3 | 8.8 | EP10M10X1.25 | EP10TINM10X1.25 | EP11M10X1.25 |
| 12 | 1.00 | 100 | 21 | 9.0 | 7.0 | 10 | 3 | 11 | EP10M12X1.0 | EP10TINM12X1.0 | EP11M12X1.0 |
| 12 | 1.25 | 100 | 21 | 9.0 | 7.0 | 10 | 3 | 10.8 | EP10M12X1.25 | EP10TINM12X1.25 | EP11M12X1.25 |
| 12 | 1.50 | 100 | 21 | 9.0 | 7.0 | 10 | 3 | 10.5 | EP10M12X1.5 | EP10TINM12X1.5 | EP11M12X1.5 |
| 14 | 1.00 | 100 | 21 | 11.0 | 9.0 | 12 | 3 | 13 | EP10M14X1.0 | | EP11M14X1.0 |
| 14 | 1.25 | 100 | 21 | 11.0 | 9.0 | 12 | 3 | 13 | EP10M14X1.25 | | EP11M14X1.25 |
| 14 | 1.50 | 100 | 21 | 11.0 | 9.0 | 12 | 3 | 12.5 | EP10M14X1.5 | EP10TINM14X1.5 | EP11M14X1.5 |
| 16 | 1.00 | 100 | 21 | 12.0 | 9.0 | 12 | 3 | 15 | EP10M16X1.0 | | EP11M16X1.0 |
| 16 | 1.50 | 100 | 21 | 12.0 | 9.0 | 12 | 3 | 14.5 | EP10M16X1.5 | EP10TINM16X1.5 | EP11M16X1.5 |
| 18 | 1.00 | 110 | 24 | 14.0 | 11.0 | 14 | 4 | 17 | EP10M18X1.0 | | EP11M18X1.0 |
| 18 | 1.50 | 110 | 24 | 14.0 | 11.0 | 14 | 4 | 16.5 | EP10M18X1.5 | EP10TINM18X1.5 | EP11M18X1.5 |
| 20 | 1.00 | 125 | 24 | 16.0 | 12.0 | 15 | 4 | 19 | EP10M20X1.0 | | EP11M20X1.0 |
| 20 | 1.50 | 125 | 24 | 16.0 | 12.0 | 15 | 4 | 18.5 | EP10M20X1.5 | EP10TINM20X1.5 | EP11M20X1.5 |

| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∇ a mm | l ₃ mm | z |  | EP10 | EP10TIN | EP11 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|-------------|---------|-------------|
| 22 | 1.50 | 125 | 25 | 18.0 | 14.5 | 17 | 4 | 20.5 | EP10M22X1.5 | | EP11M22X1.5 |
| 24 | 1.50 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 22.5 | EP10M24X1.5 | | EP11M24X1.5 |
| 24 | 2.00 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 22 | EP10M24X2.0 | | EP11M24X2.0 |
| 25 | 1.50 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 23.5 | EP10M25X1.5 | | EP11M25X1.5 |
| 26 | 1.50 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 24.5 | EP10M26X1.5 | | EP11M26X1.5 |
| 27 | 1.50 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 25.5 | EP10M27X1.5 | | EP11M27X1.5 |
| 27 | 2.00 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 25 | EP10M27X2.0 | | EP11M27X2.0 |
| 28 | 1.50 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 26.5 | EP10M28X1.5 | | EP11M28X1.5 |
| 30 | 1.50 | 150 | 28 | 22.0 | 18.0 | 21 | 4 | 28.5 | EP10M30X1.5 | | EP11M30X1.5 |
| 30 | 2.00 | 150 | 28 | 22.0 | 18.0 | 21 | 4 | 28 | EP10M30X2.0 | | EP11M30X2.0 |

- E299**
- MF strojní závitník s lamačem, žlutý Shark
 - MF Машинный метчик с подточкой по заборному конусу, Yellow Shark
 - MF Gwintownik maszynowy ze skośną powierzchnią natarcia, żółty Shark
 - MF strojový závitník s lamačem, žltý Shark

E299 ■ 1.1 1.2 1.3 6.1 6.3
 • 1.4 1.5 6.2

E299 MF DIN 374 6H 2.5XD HSS-E PM 3.5-5 Cr



E299



M4 - M30

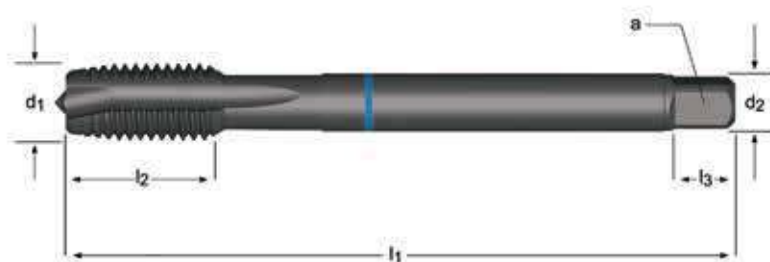
| MF | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | ↔ | E299 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|--------------|
| 4 | 0.50 | 63 | 12 | 2.8 | 2.1 | 5 | 3 | 3.5 | E299M4X.5 |
| 5 | 0.50 | 70 | 13 | 3.5 | 2.7 | 6 | 3 | 4.5 | E299M5X.5 |
| 6 | 0.75 | 80 | 15 | 4.5 | 3.4 | 6 | 3 | 5.3 | E299M6X.75 |
| 8 | 0.75 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 7.3 | E299M8X.75 |
| 8 | 1.00 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 7.0 | E299M8X1.0 |
| 10 | 0.75 | 90 | 20 | 7.0 | 5.5 | 8 | 3 | 9.3 | E299M10X.75 |
| 10 | 1.00 | 90 | 20 | 7.0 | 5.5 | 8 | 3 | 9.0 | E299M10X1.0 |
| 10 | 1.25 | 100 | 20 | 7.0 | 5.5 | 8 | 3 | 8.8 | E299M10X1.25 |
| 12 | 1.00 | 100 | 21 | 9.0 | 7.0 | 10 | 4 | 11.0 | E299M12X1.0 |
| 12 | 1.25 | 100 | 21 | 9.0 | 7.0 | 10 | 4 | 10.8 | E299M12X1.25 |
| 12 | 1.50 | 110 | 21 | 9.0 | 7.0 | 10 | 4 | 10.5 | E299M12X1.5 |
| 14 | 1.00 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 13.0 | E299M14X1.0 |
| 14 | 1.25 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 12.8 | E299M14X1.25 |
| 14 | 1.50 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 12.5 | E299M14X1.5 |
| 16 | 1.00 | 100 | 21 | 12.0 | 9.0 | 12 | 4 | 15.0 | E299M16X1.0 |
| 16 | 1.50 | 100 | 21 | 12.0 | 9.0 | 12 | 4 | 14.5 | E299M16X1.5 |
| 18 | 1.00 | 110 | 24 | 14.0 | 11.0 | 14 | 4 | 17.0 | E299M18X1.0 |
| 18 | 1.50 | 110 | 24 | 14.0 | 11.0 | 14 | 4 | 16.5 | E299M18X1.5 |
| 20 | 1.50 | 125 | 24 | 16.0 | 12.0 | 15 | 4 | 18.5 | E299M20X1.5 |
| 22 | 1.50 | 125 | 25 | 18.0 | 14.5 | 17 | 4 | 20.5 | E299M22X1.5 |
| 24 | 1.50 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 22.5 | E299M24X1.5 |
| 24 | 2.00 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 22.0 | E299M24X2.0 |
| 27 | 2.00 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 25.0 | E299M27X2.0 |
| 30 | 2.00 | 150 | 28 | 22.0 | 18.0 | 21 | 4 | 28.0 | E299M30X2.0 |

E384

- MF strojní závitník s lamačem, modrý Shark
- MF Машинный метчик с подточкой по заборному конусу, Blue Shark
- MF Gwintownik maszynowy metryczny drobnozwojny ze skośną powierzchnią natarcia, niebieski Shark
- MF strojový závitník s lamačom modrý Shark

E384 ■ 2.1 2.2 2.3
 • 1.5

E384 MF DIN 374 6H 2.5XD HSS-E PM B 3.5-5



| MF | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z | ↔ | E384 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|--------------|
| 6 | 0.75 | 80 | 15 | 4.5 | 3.4 | 6 | 3 | 5.3 | E384M6X.75 |
| 8 | 1.00 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 7.0 | E384M8X1.0 |
| 10 | 1.00 | 90 | 20 | 7.0 | 5.5 | 8 | 3 | 9.0 | E384M10X1.0 |
| 10 | 1.25 | 100 | 20 | 7.0 | 5.5 | 8 | 3 | 8.8 | E384M10X1.25 |
| 12 | 1.00 | 100 | 21 | 9.0 | 7.0 | 10 | 4 | 11.0 | E384M12X1.0 |
| 12 | 1.25 | 100 | 21 | 9.0 | 7.0 | 10 | 4 | 10.8 | E384M12X1.25 |
| 12 | 1.50 | 100 | 21 | 9.0 | 7.0 | 10 | 4 | 10.5 | E384M12X1.5 |
| 14 | 1.50 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 12.5 | E384M14X1.5 |
| 16 | 1.50 | 100 | 21 | 12.0 | 9.0 | 12 | 5 | 14.5 | E384M16X1.5 |
| 18 | 1.50 | 110 | 24 | 14.0 | 11.0 | 14 | 5 | 16.5 | E384M18X1.5 |
| 20 | 1.50 | 125 | 24 | 16.0 | 12.0 | 15 | 5 | 18.5 | E384M20X1.5 |

E011

- MF strojní závitník, přímá drážka, lamač
- MF Машинные метчики с подточкой по заборному конусу
- MF Gwintownik maszynowy, prosty rowek wiórowy
- MF strojový závitník, priama drážka s lamačom triesok

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|--|
| E011 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | |

| | | | | | | | | | | | |
|------|----|---------|----|--|-------|----------|---------|--|--|----|--|
| E011 | MF | ISO 529 | 6H | | 2.5XD | HSS-E PM | B 3.5-5 | | | ST | |
|------|----|---------|----|--|-------|----------|---------|--|--|----|--|



| MF | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z | | l ₄ mm | E011 |
|----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|--------------|
| 4 | 0.50 | 53 | 17 | 4.0 | 3.15 | 6 | 3 | 3.5 | 17 | E011M4X.5 |
| 5 | 0.50 | 58 | 11 | 5.0 | 4.00 | 7 | 3 | 4.5 | 22 | E011M5X.5 |
| 6 | 0.50 | 66 | 13 | 6.3 | 5.00 | 8 | 3 | 5.5 | 26 | E011M6X.5 |
| 6 | 0.75 | 66 | 13 | 6.3 | 5.00 | 8 | 3 | 5.3 | 26 | E011M6X.75 |
| 8 | 0.75 | 72 | 16 | 8.0 | 6.30 | 9 | 3 | 7.3 | 29 | E011M8X.75 |
| 8 | 1.00 | 72 | 16 | 8.0 | 6.30 | 9 | 3 | 7.0 | 29 | E011M8X1.0 |
| 10 | 1.00 | 80 | 18 | 10.0 | 8.00 | 11 | 3 | 9.0 | 34 | E011M10X1.0 |
| 10 | 1.25 | 80 | 18 | 10.0 | 8.00 | 11 | 3 | 8.8 | 34 | E011M10X1.25 |
| 12 | 1.00 | 89 | 22 | 9.0 | 7.10 | 10 | 3 | 11.0 | - | E011M12X1.0 |
| 12 | 1.25 | 89 | 22 | 9.0 | 7.10 | 10 | 3 | 10.8 | - | E011M12X1.25 |
| 12 | 1.50 | 89 | 22 | 9.0 | 7.10 | 10 | 3 | 10.5 | - | E011M12X1.5 |
| 14 | 1.00 | 95 | 24 | 11.2 | 9.00 | 12 | 3 | 13.0 | - | E011M14X1.0 |
| 14 | 1.25 | 95 | 24 | 11.2 | 9.00 | 12 | 3 | 12.8 | - | E011M14X1.25 |
| 14 | 1.50 | 95 | 24 | 11.2 | 9.00 | 12 | 3 | 12.5 | - | E011M14X1.5 |
| 16 | 1.00 | 102 | 24 | 12.5 | 10.00 | 13 | 3 | 15.0 | - | E011M16X1.0 |
| 16 | 1.50 | 102 | 24 | 12.5 | 10.00 | 13 | 3 | 14.5 | - | E011M16X1.5 |
| 18 | 1.00 | 112 | 29 | 14.0 | 11.20 | 14 | 4 | 17.0 | - | E011M18X1.0 |
| 18 | 1.50 | 112 | 29 | 14.0 | 11.20 | 14 | 4 | 16.5 | - | E011M18X1.5 |
| 20 | 1.00 | 112 | 29 | 14.0 | 11.20 | 14 | 4 | 19.0 | - | E011M20X1.0 |
| 20 | 1.50 | 112 | 29 | 14.0 | 11.20 | 14 | 4 | 18.5 | - | E011M20X1.5 |
| 20 | 2.00 | 112 | 29 | 14.0 | 11.20 | 14 | 4 | 18.0 | - | E011M20X2.0 |
| 22 | 1.50 | 118 | 29 | 16.0 | 12.50 | 16 | 4 | 20.5 | - | E011M22X1.5 |
| 24 | 1.50 | 130 | 35 | 18.0 | 14.00 | 18 | 4 | 22.5 | - | E011M24X1.5 |
| 24 | 2.00 | 130 | 35 | 18.0 | 14.00 | 18 | 4 | 22.0 | - | E011M24X2.0 |

EX10 EX10TIN EX11

- MF strojní závitník, šroubovice 45°
- MF Машинные метчики со спиральной стружечной канавкой 45°
- MF Gwintownik maszynowy skrętny 45°
- MF Strojový závitník, skrutkovica 45°

Do vyprodání skladu dodáváno v HSS-E

HSS-E do skladování nové produkce

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E


Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | |
|---------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EX10 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 7.1 | 7.2 | 7.3 | 7.4 |
| | • | 4.1 | 4.2 | 5.1 | 5.2 | | | | | |
| EX10TIN | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | 7.3 | 7.4 |
| | • | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 |
| EX11 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | | |
| | • | 2.3 | | | | | | | | |

| | | | | | | | | | | | |
|---------|----|---------|----|--|-------|----------|-------|--|--------------------|--|-----|
| EX10 | MF | DIN 374 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | $\lambda 45^\circ$ | | |
| EX10TIN | MF | DIN 374 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | $\lambda 45^\circ$ | | TiN |
| EX11 | MF | DIN 374 | 6H | | 2.5XD | HSS-E PM | C 2-3 | | $\lambda 45^\circ$ | | ST |



| MF | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | EX10 | EX10TIN | EX11 |
|----|------|-------------------|-------------------|---------------------|--------|-------------------|---|------|--------------|-----------------|--------------|
| 4 | 0.50 | 63 | 7 | 2.8 | 2.1 | 5 | 3 | 3.5 | EX10M4X.50 | | EX11M4X.50 |
| 5 | 0.50 | 70 | 8 | 3.5 | 2.7 | 6 | 3 | 4.5 | EX10M5X.50 | | EX11M5X.50 |
| 6 | 0.75 | 80 | 10 | 4.5 | 3.4 | 6 | 3 | 5.3 | EX10M6X.75 | | EX11M6X.75 |
| 8 | 0.75 | 80 | 13 | 6.0 | 4.9 | 8 | 3 | 7.3 | EX10M8X.75 | | EX11M8X.75 |
| 8 | 1.00 | 90 | 13 | 6.0 | 4.9 | 8 | 3 | 7 | EX10M8X1.0 | EX10TINM8X1.0 | EX11M8X1.0 |
| 10 | 0.75 | 90 | 13 | 7.0 | 5.5 | 8 | 3 | 9.3 | EX10M10X.75 | | EX11M10X.75 |
| 10 | 1.00 | 90 | 13 | 7.0 | 5.5 | 8 | 3 | 9 | EX10M10X1.0 | EX10TINM10X1.0 | EX11M10X1.0 |
| 10 | 1.25 | 100 | 15 | 7.0 | 5.5 | 8 | 3 | 8.8 | EX10M10X1.25 | EX10TINM10X1.25 | EX11M10X1.25 |
| 12 | 1.00 | 100 | 15 | 9.0 | 7.0 | 10 | 3 | 11 | EX10M12X1.0 | EX10TINM12X1.0 | EX11M12X1.0 |
| 12 | 1.25 | 100 | 15 | 9.0 | 7.0 | 10 | 3 | 10.8 | EX10M12X1.25 | EX10TINM12X1.25 | EX11M12X1.25 |
| 12 | 1.50 | 100 | 15 | 9.0 | 7.0 | 10 | 3 | 10.5 | EX10M12X1.5 | EX10TINM12X1.5 | EX11M12X1.5 |
| 14 | 1.00 | 100 | 15 | 11.0 | 9.0 | 12 | 3 | 13 | EX10M14X1.0 | | EX11M14X1.0 |
| 14 | 1.25 | 100 | 15 | 11.0 | 9.0 | 12 | 3 | 12.8 | EX10M14X1.25 | | EX11M14X1.25 |
| 14 | 1.50 | 100 | 15 | 11.0 | 9.0 | 12 | 3 | 12.5 | EX10M14X1.5 | EX10TINM14X1.5 | EX11M14X1.5 |
| 16 | 1.00 | 100 | 15 | 12.0 | 9.0 | 12 | 4 | 15 | EX10M16X1.0 | | EX11M16X1.0 |
| 16 | 1.50 | 100 | 15 | 12.0 | 9.0 | 12 | 4 | 14.5 | EX10M16X1.5 | EX10TINM16X1.5 | EX11M16X1.5 |
| 18 | 1.00 | 110 | 17 | 14.0 | 11.0 | 14 | 4 | 17 | EX10M18X1.0 | | EX11M18X1.0 |
| 18 | 1.50 | 110 | 17 | 14.0 | 11.0 | 14 | 4 | 16.5 | EX10M18X1.5 | EX10TINM18X1.5 | EX11M18X1.5 |

| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z |  | EX10 | EX10TIN | EX11 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|-------------|----------------|-------------|
| 20 | 1.00 | 125 | 17 | 16.0 | 12.0 | 15 | 4 | 19 | EX10M20X1.0 | | EX11M20X1.0 |
| 20 | 1.50 | 125 | 17 | 16.0 | 12.0 | 15 | 4 | 18.5 | EX10M20X1.5 | EX10TINM20X1.5 | EX11M20X1.5 |
| 22 | 1.50 | 125 | 17 | 18.0 | 14.5 | 17 | 4 | 20.5 | EX10M22X1.5 | | EX11M22X1.5 |
| 24 | 1.50 | 140 | 20 | 18.0 | 14.5 | 17 | 4 | 22.5 | EX10M24X1.5 | | EX11M24X1.5 |
| 24 | 2.00 | 140 | 20 | 18.0 | 14.5 | 17 | 4 | 22 | EX10M24X2.0 | | EX11M24X2.0 |
| 25 | 1.50 | 140 | 20 | 18.0 | 14.5 | 17 | 4 | 23.5 | EX10M25X1.5 | | EX11M25X1.5 |
| 26 | 1.50 | 140 | 20 | 18.0 | 14.5 | 17 | 4 | 24.5 | EX10M26X1.5 | | EX11M26X1.5 |
| 27 | 1.50 | 140 | 20 | 20.0 | 16.0 | 19 | 4 | 25.5 | EX10M27X1.5 | | EX11M27X1.5 |
| 27 | 2.00 | 140 | 20 | 20.0 | 16.0 | 19 | 4 | 25 | EX10M27X2.0 | | EX11M27X2.0 |
| 28 | 1.50 | 140 | 20 | 20.0 | 16.0 | 19 | 4 | 26.5 | EX10M28X1.5 | | EX11M28X1.5 |
| 30 | 1.50 | 150 | 20 | 22.0 | 18.0 | 21 | 4 | 28.5 | EX10M30X1.5 | | EX11M30X1.5 |
| 30 | 2.00 | 150 | 20 | 22.0 | 18.0 | 21 | 4 | 28 | EX10M30X2.0 | | EX11M30X2.0 |

E300

- MF strojní závitník, šroubovice 40°, žlutý Shark
- MF Машинный метчик со спиральной стружечной канавкой 40°, Yellow Shark
- MF Gwintownik maszynowy drobnozwojny metryczny skrzytany 40°, żółty Shark
- MF strojový závitník, skrutkovica 40°, žltý Shark

E300 ■ 1.1 1.2 1.3 6.1 6.3
 • 1.4 1.5 6.2

E300

MF

DIN
374

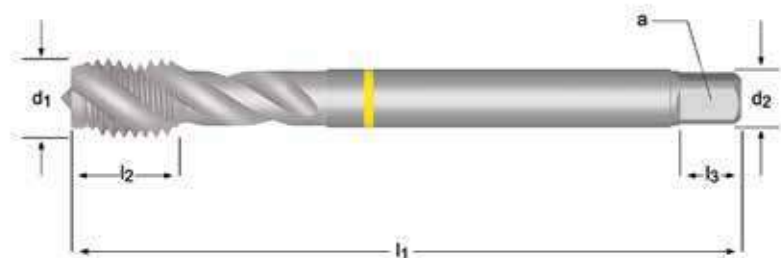
6H



2XD

HSS-E
PM

C
2-3



E300



M4 - M30

| MF | P mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | E300 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|--------------|
| 4 | 0.50 | 63 | 6.5 | 2.8 | 2.1 | 5 | 3 | 3.5 | E300M4X.5 |
| 5 | 0.50 | 70 | 7.5 | 3.5 | 2.7 | 6 | 3 | 4.5 | E300M5X.5 |
| 6 | 0.75 | 80 | 10 | 4.5 | 3.4 | 6 | 3 | 5.3 | E300M6X.75 |
| 8 | 0.75 | 80 | 13 | 6.0 | 4.9 | 8 | 3 | 7.3 | E300M8X.75 |
| 8 | 1.00 | 90 | 13 | 6.0 | 4.9 | 8 | 3 | 7.0 | E300M8X1.0 |
| 10 | 0.75 | 90 | 13 | 7.0 | 5.5 | 8 | 3 | 9.3 | E300M10X.75 |
| 10 | 1.00 | 90 | 12 | 7.0 | 5.5 | 8 | 3 | 9.0 | E300M10X1.0 |
| 10 | 1.25 | 100 | 15 | 7.0 | 5.5 | 8 | 3 | 8.8 | E300M10X1.25 |
| 12 | 1.00 | 100 | 15 | 9.0 | 7.0 | 10 | 4 | 11.0 | E300M12X1.0 |
| 12 | 1.25 | 100 | 13 | 9.0 | 7.0 | 10 | 4 | 10.8 | E300M12X1.25 |
| 12 | 1.50 | 100 | 13 | 9.0 | 7.0 | 10 | 4 | 10.5 | E300M12X1.5 |
| 14 | 1.00 | 100 | 15 | 11.0 | 9.0 | 12 | 4 | 13.0 | E300M14X1.0 |
| 14 | 1.25 | 100 | 15 | 11.0 | 9.0 | 12 | 4 | 12.8 | E300M14X1.25 |
| 14 | 1.50 | 100 | 15 | 11.0 | 9.0 | 12 | 4 | 12.5 | E300M14X1.5 |
| 16 | 1.00 | 100 | 15 | 12.0 | 9.0 | 12 | 5 | 15.0 | E300M16X1.0 |
| 16 | 1.50 | 100 | 15 | 12.0 | 9.0 | 12 | 5 | 14.5 | E300M16X1.5 |
| 18 | 1.00 | 110 | 17 | 14.0 | 11.0 | 14 | 5 | 17.0 | E300M18X1.0 |
| 18 | 1.50 | 110 | 17 | 14.0 | 11.0 | 14 | 5 | 16.5 | E300M18X1.5 |
| 20 | 1.50 | 125 | 17 | 16.0 | 12.0 | 15 | 5 | 18.5 | E300M20X1.5 |
| 22 | 1.50 | 125 | 17 | 18.0 | 14.5 | 17 | 5 | 20.5 | E300M22X1.5 |
| 24 | 1.50 | 140 | 20 | 18.0 | 14.5 | 17 | 5 | 22.5 | E300M24X1.5 |
| 24 | 2.00 | 140 | 20 | 18.0 | 14.5 | 17 | 5 | 22.0 | E300M24X2.0 |
| 27 | 2.00 | 140 | 20 | 20.0 | 16.0 | 19 | 5 | 25.0 | E300M27X2.0 |
| 30 | 2.00 | 150 | 20 | 22.0 | 18.0 | 21 | 5 | 28.0 | E300M30X2.0 |

E383

- MF strojní závitník, šroubovice 40°, modrý Shark
- MF Машинный метчик со спиральной стружечной канавкой 40°, Blue Shark
- MF Gwintownik maszynowy metryczny drobnozwojny skretny 40°, niebieski Shark
- MF strojový závitník, skrutkovica 40°, modrý Shark

E383 ■ 2.1 2.2 2.3
 • 1.5

E383

MF

DIN
374

6H



2XD

HSS-E
PM

C
2-3



E383



M6 - M20

| MF | P mm | l ₁ mm | l ₂ mm | d ₂ mm | □ a mm | l ₃ mm | z | | E383 |
|----|---------|----------------------|----------------------|----------------------|--------------|----------------------|---|------|--------------|
| 6 | 0.75 | 80 | 10 | 4.5 | 3.4 | 6 | 3 | 5.3 | E383M6X.75 |
| 8 | 1.00 | 90 | 13 | 6.0 | 4.9 | 8 | 3 | 7.0 | E383M8X1.0 |
| 10 | 1.00 | 90 | 12 | 7.0 | 5.5 | 8 | 3 | 9.0 | E383M10X1.0 |
| 10 | 1.25 | 100 | 15 | 7.0 | 5.5 | 8 | 3 | 8.8 | E383M10X1.25 |
| 12 | 1.00 | 100 | 13 | 9.0 | 7.0 | 10 | 4 | 11.0 | E383M12X1.0 |
| 12 | 1.25 | 100 | 13 | 9.0 | 7.0 | 10 | 4 | 10.8 | E383M12X1.25 |
| 12 | 1.50 | 100 | 13 | 9.0 | 7.0 | 10 | 4 | 10.5 | E383M12X1.5 |
| 14 | 1.50 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 12.5 | E383M14X1.5 |
| 16 | 1.50 | 100 | 21 | 12.0 | 9.0 | 12 | 5 | 14.5 | E383M16X1.5 |
| 18 | 1.50 | 110 | 24 | 14.0 | 11.0 | 14 | 5 | 16.5 | E383M18X1.5 |
| 20 | 1.50 | 125 | 24 | 16.0 | 12.0 | 15 | 5 | 18.5 | E383M20X1.5 |

E013

- MF strojní závitník, šroubovice 45°
- MF Машинные метчики со спиральной стружечной канавкой 45°
- MF Gwintownik maszynowy skrętny 45°
- MF Strojový závitník, skrutkovica 45°

Do vyprodání skladu dodáváno v HSS-E

HSS-E до складирования новой продукции

Do wyczerpania obecnych zapasow magazynowych dostepny ze stali HSS-E

Do vypredania skladu dodávané v HSS-E

E013 ■ 1.1 1.2 1.3 1.4 1.5
 • 2.1 2.2 2.3

E013 MF ISO 529 6H 2.5XD HSS-E PM C 2-3 λ45° ST



E013



M4 - M22

| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z | | l ₄ mm | E013 |
|----|---------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|----------------------|--------------|
| 4 | 0.50 | 53 | 7 | 4.0 | 3.15 | 6 | 3 | 3.5 | 19 | E013M4X.5 |
| 5 | 0.50 | 58 | 8 | 5.0 | 4.0 | 7 | 3 | 4.5 | 22 | E013M5X.5 |
| 6 | 0.50 | 66 | 10 | 6.3 | 5.0 | 8 | 3 | 5.5 | 27 | E013M6X.5 |
| 6 | 0.75 | 66 | 10 | 6.3 | 5.0 | 8 | 3 | 5.3 | 27 | E013M6X.75 |
| 8 | 0.75 | 72 | 12 | 8.0 | 6.3 | 9 | 3 | 7.3 | 31 | E013M8X.75 |
| 8 | 1.00 | 72 | 12 | 8.0 | 6.3 | 9 | 3 | 7.0 | 31 | E013M8X1.0 |
| 10 | 1.00 | 80 | 15 | 10.0 | 8.0 | 11 | 3 | 9.0 | 35 | E013M10X1.0 |
| 10 | 1.25 | 80 | 15 | 10.0 | 8.0 | 11 | 3 | 8.8 | 35 | E013M10X1.25 |
| 12 | 1.00 | 89 | 16 | 9.0 | 7.1 | 10 | 3 | 11.0 | - | E013M12X1.0 |
| 12 | 1.25 | 89 | 16 | 9.0 | 7.1 | 10 | 3 | 10.8 | - | E013M12X1.25 |
| 12 | 1.50 | 89 | 16 | 9.0 | 7.1 | 10 | 3 | 10.5 | - | E013M12X1.5 |
| 14 | 1.50 | 95 | 18 | 11.2 | 9.0 | 12 | 3 | 12.5 | - | E013M14X1.5 |
| 16 | 1.00 | 102 | 18 | 12.5 | 10.0 | 13 | 4 | 15.0 | - | E013M16X1.0 |
| 16 | 1.50 | 102 | 18 | 12.5 | 10.0 | 13 | 4 | 14.5 | - | E013M16X1.5 |
| 18 | 1.50 | 112 | 29 | 14.0 | 11.2 | 14 | 4 | 16.5 | - | E013M18X1.5 |
| 20 | 1.50 | 112 | 29 | 14.0 | 11.2 | 14 | 4 | 18.5 | - | E013M20X1.5 |
| 22 | 1.50 | 118 | 29 | 16.0 | 12.5 | 16 | 4 | 20.5 | - | E013M22X1.5 |

E288

- MF Tvářecí závitník
- MF Метчик-раскатник
- MF Wygniatak maszynowy
- MF strojový tvárníaci závitník

| | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E288 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 4.1 | 5.1 | 7.1 | 7.2 | 7.3 |
| | • | 1.5 | 2.3 | 5.2 | 6.1 | 6.3 | 7.4 | | | | | |

E288

MF

DIN
2174

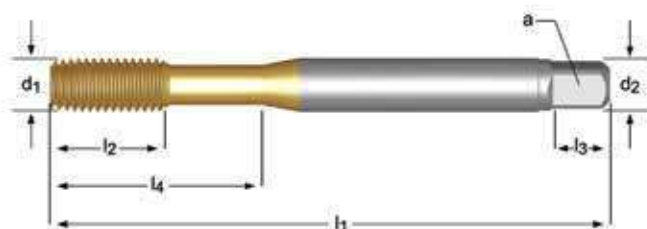
6HX



3XD

HSS-E

C
2-3.5



E288

NEW



M5 - M12

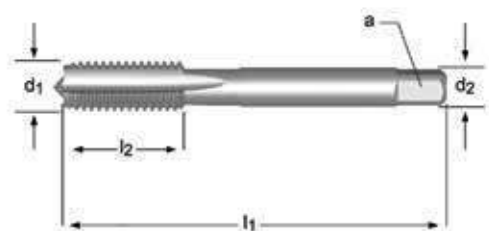
| MF | P mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | E288 |
|----|---------|----------------------|----------------------|---------------------------|---------|----------------------|---|------|----------------------|--------------|
| 5 | 0.50 | 70 | 13 | 6.0 | 4.9 | 8 | 5 | 4.8 | 25 | E288M5X.5 |
| 6 | 0.75 | 80 | 15 | 6.0 | 4.9 | 8 | 5 | 5.7 | 30 | E288M6X.75 |
| 8 | 1.00 | 90 | 18 | 6.0 | 4.9 | 8 | 5 | 7.5 | - | E288M8X1.0 |
| 10 | 1.00 | 90 | 20 | 7.0 | 5.5 | 8 | 5 | 9.5 | - | E288M10X1.0 |
| 10 | 1.25 | 100 | 20 | 7.0 | 5.5 | 8 | 5 | 9.4 | - | E288M10X1.25 |
| 12 | 1.50 | 100 | 21 | 9.0 | 7.0 | 10 | 5 | 11.3 | - | E288M12X1.5 |

E108

- UNC Závitník ruční, přímá drážka
- UNC Ручные метчики с прямой стружечной канавкой
- UNC Gwintownik ręczny, proste rowek wiórowy
- UNC Závitník ručný, priama drážka

E108 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3

E108 **UNC** **DIN 352** **2B** **1.5XD** **HSS** **C 2-3**



E108



No.5 - 1"

| UNC | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | z | | E108 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|---|-------|--------------|
| 5 | 40 | 3.18 | 45 | 13 | 4.0 | 3.0 | 3 | 2.65 | E1085-40NO3 |
| 5 | 40 | 3.18 | 45 | 13 | 4.0 | 3.0 | 3 | 2.65 | E1085-40NO8 |
| 6 | 32 | 3.51 | 45 | 10 | 4.0 | 3.0 | 3 | 2.85 | E1086-32NO3 |
| 6 | 32 | 3.51 | 45 | 10 | 4.0 | 3.0 | 3 | 2.85 | E1086-32NO8 |
| 8 | 32 | 4.17 | 50 | 14 | 6.0 | 4.9 | 3 | 3.5 | E1088-32NO3 |
| 8 | 32 | 4.17 | 50 | 14 | 6.0 | 4.9 | 3 | 3.5 | E1088-32NO8 |
| 10 | 24 | 4.83 | 50 | 14 | 6.0 | 4.9 | 3 | 3.9 | E10810-24NO3 |
| 10 | 24 | 4.83 | 50 | 14 | 6.0 | 4.9 | 3 | 3.9 | E10810-24NO8 |
| 12 | 24 | 5.49 | 56 | 16 | 6.0 | 4.9 | 3 | 4.5 | E10812-24NO3 |
| 12 | 24 | 5.49 | 56 | 16 | 6.0 | 4.9 | 3 | 4.5 | E10812-24NO8 |
| 1/4 | 20 | 6.35 | 56 | 17 | 6.0 | 4.9 | 3 | 5.1 | E1081/4NO3 |
| 1/4 | 20 | 6.35 | 56 | 17 | 6.0 | 4.9 | 3 | 5.1 | E1081/4NO8 |
| 5/16 | 18 | 7.94 | 63 | 19 | 6.0 | 4.9 | 3 | 6.6 | E1085/16NO3 |
| 5/16 | 18 | 7.94 | 63 | 19 | 6.0 | 4.9 | 3 | 6.6 | E1085/16NO8 |
| 3/8 | 16 | 9.53 | 70 | 22 | 7.0 | 5.5 | 3 | 8 | E1083/8NO3 |
| 3/8 | 16 | 9.53 | 70 | 22 | 7.0 | 5.5 | 3 | 8 | E1083/8NO8 |
| 7/16 | 14 | 11.11 | 75 | 30 | 8.0 | 6.2 | 3 | 9.4 | E1087/16NO3 |
| 7/16 | 14 | 11.11 | 75 | 30 | 8.0 | 6.2 | 3 | 9.4 | E1087/16NO8 |
| 1/2 | 13 | 12.70 | 75 | 27 | 9.0 | 7.0 | 3 | 10.8 | E1081/2NO3 |
| 1/2 | 13 | 12.70 | 75 | 27 | 9.0 | 7.0 | 3 | 10.8 | E1081/2NO8 |
| 9/16 | 12 | 14.29 | 80 | 30 | 11.0 | 9.0 | 4 | 12.2 | E1089/16NO3 |
| 9/16 | 12 | 14.29 | 80 | 30 | 11.0 | 9.0 | 4 | 12.2 | E1089/16NO8 |
| 5/8 | 11 | 15.88 | 80 | 32 | 12.0 | 9.0 | 4 | 13.5 | E1085/8NO3 |
| 5/8 | 11 | 15.88 | 80 | 32 | 12.0 | 9.0 | 4 | 13.5 | E1085/8NO8 |
| 3/4 | 10 | 19.05 | 95 | 34 | 14.0 | 11.0 | 4 | 16.5 | E1083/4NO3 |
| 3/4 | 10 | 19.05 | 95 | 34 | 14.0 | 11.0 | 4 | 16.5 | E1083/4NO8 |
| 7/8 | 9 | 22.23 | 110 | 38 | 18.0 | 14.5 | 4 | 19.5 | E1087/8NO3 |
| 7/8 | 9 | 22.23 | 110 | 38 | 18.0 | 14.5 | 4 | 19.5 | E1087/8NO8 |
| 1" | 8 | 25.40 | 110 | 38 | 20.0 | 16.0 | 4 | 22.25 | E1081NO8 |

NO1 - NO9
219

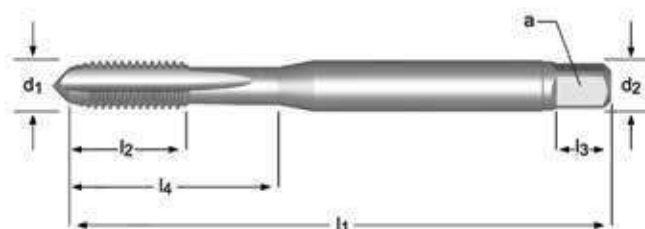
- E225** • UNC strojní závitník
 • UNC Машинные метчики с прямой стружечной канавкой
- E275** • UNC Gwintownik maszynowy, prosty rowek wiórowy
 • UNC strojový závitník

Do vyprodání skladu dodáváno v HSS-E
 HSS-E до складирования новой продукции

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
 Do vypredania skladu dodawane v HSS-E

E225; E275 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2

| | | | | | | | | | | | |
|------|-----|---------|----|--|-------|----------|-------|--|--|--|--|
| E225 | UNC | DIN 371 | 2B | | 1.5XD | HSS-E PM | C 2-3 | | | | |
| E275 | UNC | DIN 376 | 2B | | 1.5XD | HSS-E PM | C 2-3 | | | | |

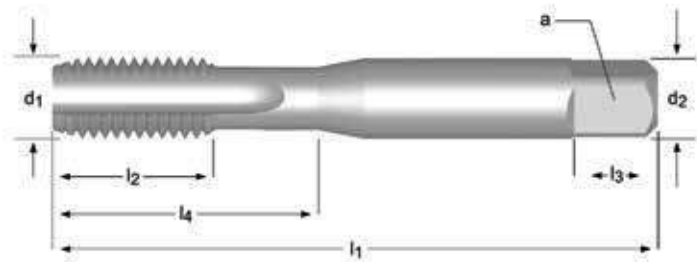


| UNC | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z | | l ₄ mm | E225 | E275 |
|-------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|-------|----------------------|-----------|-----------|
| 4 | 40 | 2.845 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.35 | 18 | E2254-40 | |
| 5 | 40 | 3.175 | 56 | 10 | 3.5 | 2.7 | 6 | 3 | 2.65 | 18 | E2255-40 | |
| 6 | 32 | 3.505 | 56 | 11 | 4.0 | 3.0 | 6 | 3 | 2.85 | 20 | E2256-32 | |
| 8 | 32 | 4.166 | 63 | 12 | 4.5 | 3.4 | 8 | 3 | 3.5 | 21 | E2258-32 | |
| 10 | 24 | 4.826 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 3.9 | 25 | E22510-24 | |
| 12 | 24 | 5.486 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 4.5 | 30 | E22512-24 | |
| 1/4 | 20 | 6.350 | 80 | 16 | 7.0 | 5.5 | 8 | 3 | 5.1 | 30 | E2251/4 | |
| 5/16 | 18 | 7.94 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 6.6 | | | E2755/16 |
| 3/8 | 16 | 9.53 | 100 | 24 | 7.0 | 5.5 | 8 | 3 | 8.0 | | | E2753/8 |
| 7/16 | 14 | 11.11 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 9.4 | | | E2757/16 |
| 1/2 | 13 | 12.7 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.8 | | | E2751/2 |
| 9/16 | 12 | 14.29 | 110 | 25 | 11.0 | 9.0 | 12 | 3 | 12.2 | | | E2759/16 |
| 5/8 | 11 | 15.88 | 110 | 25 | 12.0 | 9.0 | 12 | 4 | 13.5 | | | E2755/8 |
| 3/4 | 10 | 19.05 | 140 | 34 | 14.0 | 11.0 | 14 | 4 | 16.5 | | | E2753/4 |
| 7/8 | 9 | 22.23 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 19.5 | | | E2757/8 |
| 1" | 8 | 25.40 | 160 | 38 | 20.0 | 16.0 | 19 | 4 | 22.25 | | | E2751 |
| 1.1/8 | 7 | 28.58 | 180 | 45 | 22.0 | 18.0 | 21 | 4 | 25.0 | | | E2751.1/8 |
| 1.1/4 | 7 | 31.75 | 180 | 50 | 25.0 | 20.0 | 23 | 4 | 28.0 | | | E2751.1/4 |
| 1.1/2 | 6 | 38.10 | 200 | 60 | 32.0 | 24.0 | 27 | 4 | 34.0 | | | E2751.1/2 |

E515

- UNC strojní závitník
- UNC Машинные метчики с прямой стружечной канавкой
- UNC Gwintownik maszynowy, prosty rowek wiórowy
- UNC strojový závitník


E515 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3




E515



No.1 - 2"

| UNC | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z |  | l ₄ mm | E515 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|--|----------------------|--------------|
| 1 | 64 | 1.854 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.55 | 8 | E5151-64NO1 |
| 1 | 64 | 1.854 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.55 | 8 | E5151-64NO2 |
| 1 | 64 | 1.854 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.55 | 8 | E5151-64NO3 |
| 1 | 64 | 1.854 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.55 | 8 | E5151-64NO6 |
| 2 | 56 | 2.184 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.85 | 9.5 | E5152-56NO1 |
| 2 | 56 | 2.184 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.85 | 9.5 | E5152-56NO2 |
| 2 | 56 | 2.184 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.85 | 9.5 | E5152-56NO3 |
| 2 | 56 | 2.184 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.85 | 9.5 | E5152-56NO6 |
| 3 | 48 | 2.515 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.1 | 9.5 | E5153-48NO1 |
| 3 | 48 | 2.515 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.1 | 9.5 | E5153-48NO2 |
| 3 | 48 | 2.515 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.1 | 9.5 | E5153-48NO3 |
| 3 | 48 | 2.515 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 2.1 | 9.5 | E5153-48NO6 |
| 4 | 40 | 2.845 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.35 | 12.5 | E5154-40NO1 |
| 4 | 40 | 2.845 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.35 | 12.5 | E5154-40NO2 |
| 4 | 40 | 2.845 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.35 | 12.5 | E5154-40NO3 |
| 4 | 40 | 2.845 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.35 | 12.5 | E5154-40NO6 |
| 5 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.65 | 12.5 | E5155-40NO1 |
| 5 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.65 | 12.5 | E5155-40NO2 |
| 5 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.65 | 12.5 | E5155-40NO3 |
| 5 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.65 | 12.5 | E5155-40NO6 |
| 6 | 32 | 3.505 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.85 | 14 | E5156-32NO1 |
| 6 | 32 | 3.505 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.85 | 14 | E5156-32NO2 |
| 6 | 32 | 3.505 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.85 | 14 | E5156-32NO3 |
| 6 | 32 | 3.505 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.85 | 14 | E5156-32NO6 |
| 8 | 32 | 4.166 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.5 | 17 | E5158-32NO1 |
| 8 | 32 | 4.166 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.5 | 17 | E5158-32NO2 |
| 8 | 32 | 4.166 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.5 | 17 | E5158-32NO3 |
| 8 | 32 | 4.166 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.5 | 17 | E5158-32NO6 |
| 10 | 24 | 4.826 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 3.9 | 20 | E51510-24NO1 |
| 10 | 24 | 4.826 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 3.9 | 20 | E51510-24NO2 |
| 10 | 24 | 4.826 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 3.9 | 20 | E51510-24NO3 |
| 10 | 24 | 4.826 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 3.9 | 20 | E51510-24NO6 |
| 12 | 24 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.5 | 21 | E51512-24NO1 |
| 12 | 24 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.5 | 21 | E51512-24NO2 |
| 12 | 24 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.5 | 21 | E51512-24NO3 |
| 12 | 24 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.5 | 21 | E51512-24NO6 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.1 | 26 | E5151/4NO1 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.1 | 26 | E5151/4NO2 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.1 | 26 | E5151/4NO3 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.1 | 26 | E5151/4NO6 |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.6 | 29 | E5155/16NO1 |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.6 | 29 | E5155/16NO2 |

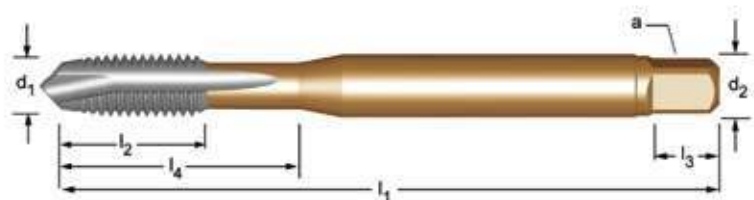
NO1 - NO9
219

| UNC | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∇ a mm | l ₃ mm | z |  | l ₄ mm | E515 |
|-------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|--------------|
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.6 | 29 | E5155/16NO3 |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.6 | 29 | E5155/16NO6 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8 | 32 | E5153/8NO1 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8 | 32 | E5153/8NO2 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8 | 32 | E5153/8NO3 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8 | 32 | E5153/8NO6 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.4 | - | E5157/16NO1 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.4 | - | E5157/16NO2 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.4 | - | E5157/16NO3 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.4 | - | E5157/16NO6 |
| 1/2 | 13 | 12.700 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.8 | - | E5151/2NO1 |
| 1/2 | 13 | 12.700 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.8 | - | E5151/2NO2 |
| 1/2 | 13 | 12.700 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.8 | - | E5151/2NO3 |
| 1/2 | 13 | 12.700 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.8 | - | E5151/2NO6 |
| 9/16 | 12 | 14.288 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.2 | - | E5159/16NO1 |
| 9/16 | 12 | 14.288 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.2 | - | E5159/16NO2 |
| 9/16 | 12 | 14.288 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.2 | - | E5159/16NO3 |
| 9/16 | 12 | 14.288 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.2 | - | E5159/16NO6 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 13.5 | - | E5155/8NO1 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 13.5 | - | E5155/8NO2 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 13.5 | - | E5155/8NO3 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 13.5 | - | E5155/8NO6 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.5 | - | E5153/4NO1 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.5 | - | E5153/4NO2 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.5 | - | E5153/4NO3 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.5 | - | E5153/4NO6 |
| 7/8 | 9 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E5157/8NO1 |
| 7/8 | 9 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E5157/8NO2 |
| 7/8 | 9 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E5157/8NO3 |
| 7/8 | 9 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.5 | - | E5157/8NO6 |
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.25 | - | E5151NO3 |
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.25 | - | E5151NO1 |
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.25 | - | E5151NO2 |
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.25 | - | E5151NO6 |
| 1.1/8 | 7 | 28.575 | 138 | 35 | 20.00 | 16.00 | 20 | 4 | 25 | - | E5151.1/8NO1 |
| 1.1/8 | 7 | 28.575 | 138 | 35 | 20.00 | 16.00 | 20 | 4 | 25 | - | E5151.1/8NO2 |
| 1.1/8 | 7 | 28.575 | 138 | 35 | 20.00 | 16.00 | 20 | 4 | 25 | - | E5151.1/8NO3 |
| 1.1/4 | 7 | 31.750 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 28 | - | E5151.1/4NO1 |
| 1.1/4 | 7 | 31.750 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 28 | - | E5151.1/4NO2 |
| 1.1/4 | 7 | 31.750 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 28 | - | E5151.1/4NO3 |
| 1.3/8 | 6 | 34.925 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 30.75 | - | E5151.3/8NO1 |
| 1.3/8 | 6 | 34.925 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 30.75 | - | E5151.3/8NO2 |
| 1.3/8 | 6 | 34.925 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 30.75 | - | E5151.3/8NO3 |
| 1.1/2 | 6 | 38.100 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 34 | - | E5151.1/2NO1 |
| 1.1/2 | 6 | 38.100 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 34 | - | E5151.1/2NO2 |
| 1.1/2 | 6 | 38.100 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 34 | - | E5151.1/2NO3 |
| 1.3/4 | 5 | 44.450 | 187 | 54 | 31.50 | 25.00 | 28 | 6 | 39.5 | - | E5151.3/4NO1 |
| 1.3/4 | 5 | 44.450 | 187 | 54 | 31.50 | 25.00 | 28 | 6 | 39.5 | - | E5151.3/4NO2 |
| 1.3/4 | 5 | 44.450 | 187 | 54 | 31.50 | 25.00 | 28 | 6 | 39.5 | - | E5151.3/4NO3 |
| 2" | 4.5 | 50.800 | 200 | 60 | 35.50 | 28.00 | 31 | 6 | 45 | - | E5152NO3 |
| 2" | 4.5 | 50.800 | 200 | 60 | 35.50 | 28.00 | 31 | 6 | 45 | - | E5152NO1 |
| 2" | 4.5 | 50.800 | 200 | 60 | 35.50 | 28.00 | 31 | 6 | 45 | - | E5152NO2 |

- EP20**
- UNC strojní závitník, přímá drážka, lamač
 - UNC Машинные метчики с подточкой по заборному конусу
- EP21**
- UNC Gwintownik maszynowy prosty
 - UNC strojový závitník, priama drážka s lamačom triesok

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodavane v HSS-E

| | | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| EP20 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 6.1 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 | |
| | • | 1.6 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 | 6.2 | 8.1 | |
| EP21 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | | | | |



| UNC | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | a mm | l ₃ mm | z | | l ₄ mm | EP20 | EP21 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|---------|----------------------|---|-------|----------------------|----------|-----------|
| 4 | 40 | 2.845 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.35 | 18 | EP204-40 | EP214-40 |
| 5 | 40 | 3.175 | 56 | 10 | 3.5 | 2.7 | 6 | 3 | 2.65 | 18 | EP205-40 | EP215-40 |
| 6 | 32 | 3.505 | 56 | 11 | 4.0 | 3.0 | 6 | 3 | 2.85 | 20 | EP206-32 | EP216-32 |
| 8 | 32 | 4.166 | 63 | 12 | 4.5 | 3.4 | 8 | 3 | 3.5 | 21 | EP208-32 | EP218-32 |
| 10 | 24 | 4.826 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 3.9 | 25 | EP210-24 | EP2110-24 |
| 12 | 24 | 5.486 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 4.5 | 30 | EP212-24 | EP2112-24 |
| 1/4 | 20 | 6.350 | 80 | 15 | 7.0 | 5.5 | 8 | 3 | 5.1 | 30 | EP201/4 | EP211/4 |
| 5/16 | 18 | 7.938 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.6 | 35 | EP205/16 | EP215/16 |
| 3/8 | 16 | 9.525 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8 | 39 | EP203/8 | EP213/8 |
| 7/16 | 14 | 11.112 | 100 | 20 | 8.0 | 6.2 | 9 | 3 | 9.4 | - | EP207/16 | EP217/16 |
| 1/2 | 13 | 12.700 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 10.8 | - | EP201/2 | EP211/2 |
| 5/8 | 11 | 15.875 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 13.5 | - | EP205/8 | EP215/8 |
| 3/4 | 10 | 19.050 | 125 | 30 | 14.0 | 11.0 | 14 | 4 | 16.5 | - | EP203/4 | EP213/4 |
| 7/8 | 9 | 22.225 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 19.5 | - | EP207/8 | EP217/8 |
| 1" | 8 | 25.400 | 160 | 38 | 18.0 | 14.5 | 17 | 4 | 22.25 | - | EP201 | EP211 |

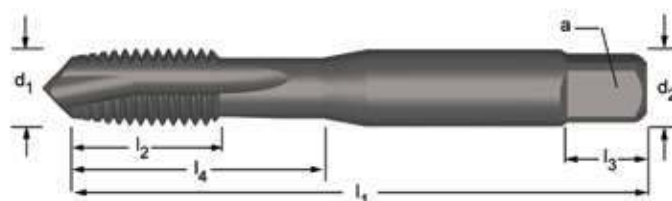
E021

- UNC strojní závitník, přímá drážka, lamač
- UNC Машинные метчики с подточкой по заборному конусу
- UNC Gwintownik maszynowy prosty
- UNC strojový závitník, priama drážka s lamačom triesok

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| E021 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | | | |

E021 **UNC** **ISO 529** **2B** **2.5XD** **HSS-E PM** **B 3.5-5**



| UNC | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z | | l ₄ mm | E021 |
|------|-----|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|-------|-------------------|-----------|
| 2 | 56 | 2.184 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 2 | 1.85 | 9.5 | E0212-56 |
| 4 | 40 | 2.845 | 48 | 14 | 3.15 | 2.50 | 5 | 3 | 2.35 | 14 | E0214-40 |
| 5 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.65 | 12.5 | E0215-40 |
| 6 | 32 | 3.505 | 50 | 16 | 3.55 | 2.80 | 5 | 3 | 2.85 | 16 | E0216-32 |
| 8 | 32 | 4.166 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.50 | 17 | E0218-32 |
| 10 | 24 | 4.826 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 3.90 | 20 | E02110-24 |
| 12 | 24 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.50 | 21 | E02112-24 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.10 | 26 | E0211/4 |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.60 | 29 | E0215/16 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.00 | 32 | E0213/8 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.40 | - | E0217/16 |
| 1/2 | 13 | 12.700 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.80 | - | E0211/2 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 3 | 13.50 | - | E0215/8 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.50 | - | E0213/4 |
| 7/8 | 9 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.50 | - | E0217/8 |
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.25 | - | E0211 |

EX20

- UNC strojní závitník, šroubovice 45°
- UNC Машинные метчики со спиральной стружечной канавкой 45°

Do vyprodání skladu dodáváno v HSS-E

HSS-E до складирования новой продукции

EX21

- UNC Gwintownik maszynowy skrętny 45°
- UNC Strojový závitník, skrutkovica 45°

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E

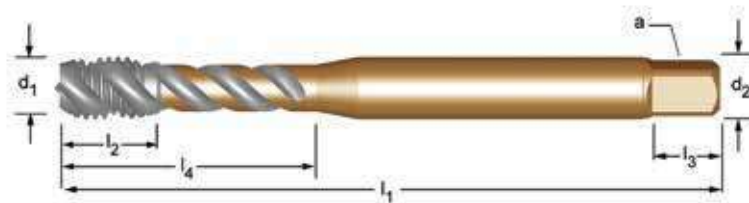
Do vypredania skladu dodávané v HSS-E

EX20 ■ 1.1 1.2 1.3 1.4 1.5 7.1 7.2 7.3 7.4

• 4.1 4.2 5.1 5.2

EX21 ■ 1.1 1.2 1.3 1.4 1.5 2.1 2.2

• 2.3



| UNC | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | EX20 | EX21 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|-------|----------------------|-----------|-----------|
| 4 | 40 | 2.845 | 56 | 6 | 3.5 | 2.7 | 6 | 3 | 2.35 | 18 | EX204-40 | EX214-40 |
| 5 | 40 | 3.175 | 56 | 6 | 3.5 | 2.7 | 6 | 3 | 2.65 | 18 | EX205-40 | EX215-40 |
| 6 | 32 | 3.505 | 56 | 7 | 4.0 | 3.0 | 6 | 3 | 2.85 | 20 | EX206-32 | EX216-32 |
| 8 | 32 | 4.166 | 63 | 7 | 4.5 | 3.4 | 8 | 3 | 3.5 | 21 | EX208-32 | EX218-32 |
| 10 | 24 | 4.826 | 70 | 8 | 6.0 | 4.9 | 8 | 3 | 3.9 | 25 | EX2010-24 | EX2110-24 |
| 12 | 24 | 5.486 | 80 | 10 | 6.0 | 4.9 | 8 | 3 | 4.5 | 30 | EX2012-24 | EX2112-24 |
| 1/4 | 20 | 6.350 | 80 | 10 | 7.0 | 5.5 | 8 | 3 | 5.1 | 30 | EX201/4 | EX211/4 |
| 5/16 | 18 | 7.938 | 90 | 12 | 8.0 | 6.2 | 9 | 3 | 6.6 | 35 | EX205/16 | EX215/16 |
| 3/8 | 16 | 9.525 | 100 | 15 | 10.0 | 8.0 | 11 | 3 | 8.0 | 39 | EX203/8 | EX213/8 |
| 7/16 | 14 | 11.112 | 100 | 15 | 8.0 | 6.2 | 9 | 3 | 9.4 | - | EX207/16 | EX217/16 |
| 1/2 | 13 | 12.700 | 110 | 18 | 9.0 | 7.0 | 10 | 3 | 10.8 | - | EX201/2 | EX211/2 |
| 5/8 | 11 | 15.875 | 110 | 20 | 12.0 | 9.0 | 12 | 4 | 13.5 | - | EX205/8 | EX215/8 |
| 3/4 | 10 | 19.050 | 125 | 25 | 14.0 | 11.0 | 14 | 4 | 16.5 | - | EX203/4 | EX213/4 |
| 7/8 | 9 | 22.225 | 140 | 25 | 18.0 | 14.5 | 17 | 4 | 19.5 | - | EX207/8 | EX217/8 |
| 1" | 8 | 25.400 | 160 | 30 | 18.0 | 14.5 | 17 | 4 | 22.25 | - | EX201 | EX211 |

E023

- UNC strojní závitník, šroubovice 45°
- UNC Машинные метчики со спиральной стружечной канавкой 45°
- UNC Gwintownik maszynowy skrętny 45°
- UNC Strojový závitník, skrutkovica 45°

Do vyprodání skladu dodáváno v HSS-E
HSS-E do складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodávané v HSS-E

| | | | | | | |
|------|---|-----|-----|-----|-----|-----|
| E023 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 |
| | • | 2.1 | 2.2 | 2.3 | | |

E023 **UNC** **ISO 529** **2B** **2.5XD** **HSS-E PM** **C 2-3** **λ45°** **ST**

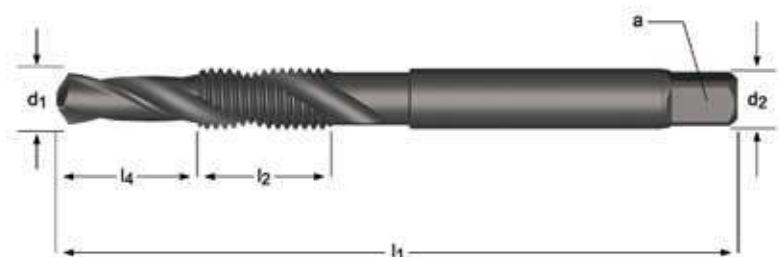


| UNC | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E023 |
|------|-----|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|-------|-------------------|-----------|
| 2 | 56 | 2.184 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 2 | 1.85 | 9.5 | E0232-56 |
| 4 | 40 | 2.845 | 48 | 6 | 3.15 | 2.50 | 5 | 3 | 2.35 | 14 | E0234-40 |
| 5 | 40 | 3.175 | 48 | 6 | 3.15 | 2.50 | 5 | 3 | 2.65 | 12.5 | E0235-40 |
| 6 | 32 | 3.505 | 50 | 6 | 3.55 | 2.80 | 5 | 3 | 2.85 | 16 | E0236-32 |
| 8 | 32 | 4.166 | 53 | 7 | 4.50 | 3.55 | 6 | 3 | 3.50 | 17 | E0238-32 |
| 10 | 24 | 4.826 | 58 | 8 | 5.00 | 4.00 | 7 | 3 | 3.90 | 20 | E02310-24 |
| 12 | 24 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.50 | 21 | E02312-24 |
| 1/4 | 20 | 6.350 | 66 | 10 | 6.30 | 5.00 | 8 | 3 | 5.10 | 28 | E0231/4 |
| 5/16 | 18 | 7.938 | 72 | 12 | 8.00 | 6.30 | 9 | 3 | 6.60 | 31 | E0235/16 |
| 3/8 | 16 | 9.525 | 80 | 15 | 10.00 | 8.00 | 11 | 3 | 8.00 | 34 | E0233/8 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.40 | - | E0237/16 |
| 1/2 | 13 | 12.700 | 89 | 19 | 9.00 | 7.10 | 10 | 3 | 10.80 | - | E0231/2 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 13.50 | - | E0235/8 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 16.50 | - | E0233/4 |
| 7/8 | 9 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 19.50 | - | E0237/8 |
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 22.25 | - | E0231 |

E651

- UNC Závitník kombi
- UNC Комбинированные метчики со спиральной стружечной канавкой 30°
- UNC Wiertło/gwintownik skrętny 30°
- UNC Závitník kombinovaný 30°

E651 • 1.1 1.2 1.3 1.4 3.2 6.2 6.3 7.1 7.2 8.1



E651



No.6 - 5/8

| UNC | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | l ₄ mm | d ₂ Ø mm | □ a mm | z | E651 |
|------|-----|-----------------------------|----------------------|----------------------|----------------------|---------------------------|--------------|---|-----------|
| 6 | 32 | 2.85 | 56.9 | 12 | 6.0 | 3.50 | 2.90 | 2 | E6516-32 |
| 8 | 32 | 3.50 | 64.0 | 12 | 8.0 | 4.50 | 3.55 | 2 | E6518-32 |
| 10 | 24 | 3.90 | 72.0 | 15 | 10.0 | 5.00 | 4.00 | 2 | E65110-24 |
| 12 | 24 | 4.50 | 77.0 | 15 | 11.0 | 5.60 | 4.50 | 2 | E65112-24 |
| 1/4 | 20 | 5.10 | 83.0 | 17 | 13.0 | 6.30 | 5.00 | 2 | E6511/4 |
| 5/16 | 18 | 6.60 | 94.0 | 21 | 16.0 | 8.00 | 6.30 | 2 | E6515/16 |
| 3/8 | 16 | 8.00 | 107.0 | 23 | 19.0 | 10.00 | 8.00 | 2 | E6513/8 |
| 7/16 | 14 | 9.40 | 107.0 | 25 | 22.0 | 8.00 | 6.30 | 2 | E6517/16 |
| 1/2 | 13 | 10.80 | 114.0 | 29 | 25.0 | 9.00 | 7.10 | 2 | E6511/2 |
| 9/16 | 12 | 12.20 | 124.0 | 29 | 28.0 | 11.20 | 9.00 | 2 | E6519/16 |
| 5/8 | 11 | 13.50 | 134.0 | 31 | 32.5 | 12.50 | 10.00 | 2 | E6515/8 |

E287

- UNC strojní tvářecí závitník s mazacími drážkami
- UNC Метчик-раскатник с подводом масла
- UNC Wygniatak maszynowy, z rowkami smarnymi
- UNC Strojový tvárniaci závitník s mazacími drážkami

| | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E287 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 4.1 | 5.1 | 7.1 | 7.2 | 7.3 |
| | • | 1.5 | 2.3 | 5.2 | 6.1 | 6.3 | 7.4 | | | | | |

E287

UNC

DIN
2184-1

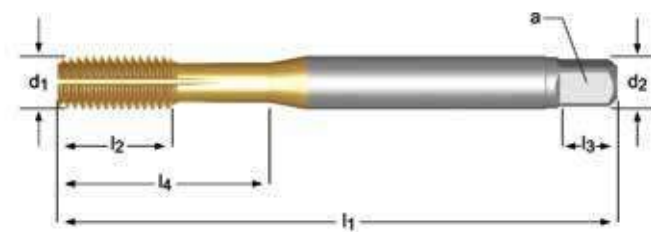
2BX



3.5XD

HSS-E

C
2-3.5



E287

NEW



No.4 - 1/2

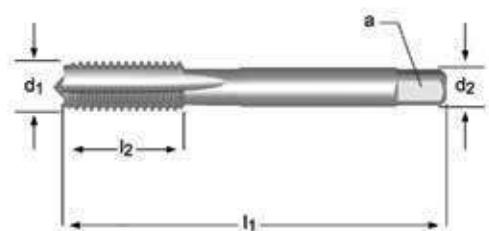
| M | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E287 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|----------------------|-----------|
| 4 | 40 | 2.845 | 56 | 9 | 3.5 | 2.7 | 6 | 4 | 2.6 | 18 | E2874-40 |
| 6 | 32 | 3.505 | 56 | 11 | 4.0 | 3.0 | 6 | 4 | 3.2 | 20 | E2876-32 |
| 8 | 32 | 4.166 | 63 | 12 | 4.5 | 3.4 | 6 | 5 | 3.8 | 21 | E2878-32 |
| 10 | 24 | 4.826 | 70 | 13 | 6.0 | 4.9 | 8 | 5 | 4.4 | 25 | E28710-24 |
| 1/4 | 20 | 6.350 | 80 | 15 | 7.0 | 5.5 | 8 | 5 | 5.8 | 30 | E2871/4 |
| 5/16 | 18 | 7.938 | 90 | 18 | 8.0 | 6.2 | 9 | 5 | 7.3 | 35 | E2875/16 |
| 3/8 | 16 | 9.525 | 100 | 20 | 10.0 | 8.0 | 11 | 5 | 8.8 | 39 | E2873/8 |
| 7/16 | 14 | 11.112 | 100 | 20 | 8.0 | 6.2 | 9 | 5 | 10.3 | - | E2877/16 |
| 1/2 | 13 | 12.700 | 110 | 23 | 9.0 | 7.0 | 10 | 5 | 11.9 | - | E2871/2 |

E111

- UNF Závitník ruční, přímá drážka
- UNF Ручные метчики с прямой стружечной канавкой
- UNF Gwintownik ręczny, prosty rowek wiórowy
- UNF Závitník ručný, priama drážka

E111 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3

E111 UNF DIN 2181 2B 1.5XD HSS C 2-3



E111



No.5 - 1"

| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | z | | E111 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|---|-------|--------------|
| 5 | 44 | 3.18 | 45 | 13 | 4.0 | 3.0 | 3 | 2.7 | E1115-44NO3 |
| 5 | 44 | 3.18 | 45 | 13 | 4.0 | 3.0 | 3 | 2.7 | E1115-44NO9 |
| 6 | 40 | 3.51 | 45 | 10 | 4.0 | 3.0 | 3 | 2.95 | E1116-40NO3 |
| 6 | 40 | 3.51 | 45 | 10 | 4.0 | 3.0 | 3 | 2.95 | E1116-40NO9 |
| 8 | 36 | 4.17 | 50 | 14 | 6.0 | 4.9 | 3 | 3.5 | E1118-36NO3 |
| 8 | 36 | 4.17 | 50 | 14 | 6.0 | 4.9 | 3 | 3.5 | E1118-36NO9 |
| 10 | 32 | 4.82 | 50 | 14 | 6.0 | 4.9 | 3 | 4.1 | E11110-32NO3 |
| 10 | 32 | 4.82 | 50 | 14 | 6.0 | 4.9 | 3 | 4.1 | E11110-32NO9 |
| 1/4 | 28 | 6.35 | 56 | 17 | 6.0 | 4.9 | 3 | 5.5 | E1111/4NO3 |
| 1/4 | 28 | 6.35 | 56 | 17 | 6.0 | 4.9 | 3 | 5.5 | E1111/4NO9 |
| 5/16 | 24 | 7.94 | 63 | 19 | 6.0 | 4.9 | 3 | 6.9 | E1115/16NO3 |
| 5/16 | 24 | 7.94 | 63 | 19 | 6.0 | 4.9 | 3 | 6.9 | E1115/16NO9 |
| 3/8 | 24 | 9.53 | 63 | 16 | 7.0 | 5.5 | 3 | 8.5 | E1113/8NO3 |
| 3/8 | 24 | 9.53 | 63 | 16 | 7.0 | 5.5 | 3 | 8.5 | E1113/8NO9 |
| 7/16 | 20 | 11.11 | 63 | 15 | 8.0 | 6.2 | 3 | 9.9 | E1117/16NO3 |
| 7/16 | 20 | 11.11 | 63 | 15 | 8.0 | 6.2 | 3 | 9.9 | E1117/16NO9 |
| 1/2 | 20 | 12.70 | 70 | 22 | 9.0 | 7.0 | 3 | 11.5 | E1111/2NO3 |
| 1/2 | 20 | 12.70 | 70 | 22 | 9.0 | 7.0 | 3 | 11.5 | E1111/2NO9 |
| 9/16 | 18 | 14.29 | 70 | 16 | 11.0 | 9.0 | 4 | 12.9 | E1119/16NO3 |
| 9/16 | 18 | 14.29 | 70 | 16 | 11.0 | 9.0 | 4 | 12.9 | E1119/16NO9 |
| 5/8 | 18 | 15.88 | 70 | 16 | 12.0 | 9.0 | 4 | 14.5 | E1115/8NO3 |
| 5/8 | 18 | 15.88 | 70 | 16 | 12.0 | 9.0 | 4 | 14.5 | E1115/8NO9 |
| 3/4 | 16 | 19.05 | 80 | 22 | 14.0 | 11.0 | 4 | 17.5 | E1113/4NO3 |
| 3/4 | 16 | 19.05 | 80 | 22 | 14.0 | 11.0 | 4 | 17.5 | E1113/4NO9 |
| 7/8 | 14 | 22.23 | 90 | 22 | 18.0 | 14.5 | 4 | 20.4 | E1117/8NO3 |
| 7/8 | 14 | 22.23 | 90 | 22 | 18.0 | 14.5 | 4 | 20.4 | E1117/8NO9 |
| 1" | 12 | 25.40 | 90 | 22 | 20.0 | 16.0 | 4 | 23.25 | E1111NO3 |
| 1" | 12 | 25.40 | 90 | 22 | 20.0 | 16.0 | 4 | 23.25 | E1111NO9 |

NO1-NO9
219

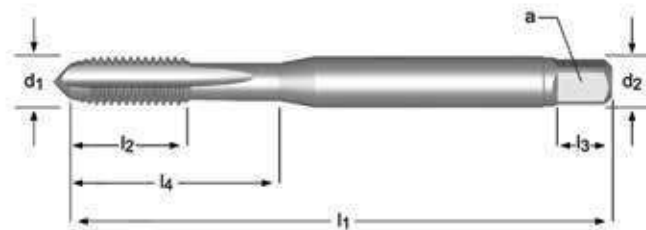
- E229** • UNF strojní závitník
 • UNF Машинные метчики с прямой стружечной канавкой
- E278** • UNF Gwintownik maszynowy, prosty rowek wiórowy
 • UNF Strojový závitník

Do vyprodání skladu dodáváno v HSS-E
 HSS-E do skladování nové produkce

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
 Do vyprodania skladu dodawane v HSS-E

E229; E278 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2

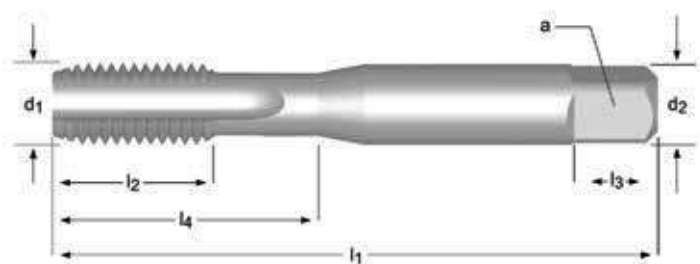
| | | | | | | | | | | | |
|------|-----|---------|----|--|-------|----------|-------|--|--|--|--|
| E229 | UNF | DIN 371 | 2B | | 1.5XD | HSS-E PM | C 2-3 | | | | |
| E278 | UNF | DIN 374 | 2B | | 1.5XD | HSS-E PM | C 2-3 | | | | |



| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | a mm | l ₃ mm | z | | l ₄ mm | E229 | E278 |
|-------|-----|-----------------------|-------------------|-------------------|---------------------|------|-------------------|---|-------|-------------------|-----------|-------------------------|
| 2 | 64 | 2.184 | 45 | 7 | 2.8 | 2.1 | 5 | 3 | 1.9 | 12 | E2292-64 | |
| 3 | 56 | 2.515 | 50 | 8 | 2.8 | 2.1 | 5 | 3 | 2.15 | 12.5 | E2293-56 | |
| 4 | 48 | 2.845 | 56 | 9 | 3.5 | 2.7 | 6 | 3 | 2.4 | 18 | E2294-48 | |
| 5 | 44 | 3.175 | 56 | 10 | 3.5 | 2.7 | 6 | 3 | 2.7 | 18 | E2295-44 | |
| 6 | 40 | 3.505 | 56 | 11 | 4.0 | 3.0 | 6 | 3 | 2.95 | 20 | E2296-40 | |
| 8 | 36 | 4.166 | 63 | 12 | 4.5 | 3.4 | 6 | 3 | 3.5 | 21 | E2298-36 | |
| 10 | 32 | 4.826 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.1 | 25 | E22910-32 | |
| 12 | 28 | 5.486 | 80 | 15 | 6.0 | 4.9 | 8 | 3 | 4.7 | 30 | E22912-28 | |
| 1/4 | 28 | 6.350 | 80 | 15 | 7.0 | 5.5 | 8 | 3 | 5.5 | 30 | E2291/4 | |
| 5/16 | 24 | 7.94 | 90 | 18 | 6.0 | 4.9 | 8 | 3 | 6.9 | | | E2785/16 |
| 3/8 | 24 | 9.53 | 100 | 24 | 7.0 | 5.5 | 8 | 3 | 8.5 | | | E2783/8 |
| 7/16 | 20 | 11.11 | 100 | 22 | 9.0 | 7.0 | 10 | 3 | 9.9 | | | E2787/16 |
| 1/2 | 20 | 12.70 | 100 | 21 | 9.0 | 7.0 | 10 | 3 | 11.5 | | | E2781/2 |
| 9/16 | 18 | 14.29 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 12.9 | | | E2789/16 |
| 5/8 | 18 | 15.88 | 100 | 21 | 12.0 | 9.0 | 12 | 4 | 14.5 | | | E2785/8 |
| 3/4 | 16 | 19.05 | 125 | 25 | 14.0 | 11.0 | 14 | 4 | 17.5 | | | E2783/4 |
| 7/8 | 14 | 22.23 | 140 | 28 | 18.0 | 14.5 | 17 | 4 | 20.4 | | | E2787/8 |
| 1" | 12 | 25.40 | 140 | 26 | 18.0 | 14.5 | 17 | 4 | 23.25 | | | E2781 |
| 1.1/8 | 12 | 28.58 | 150 | 28 | 22.0 | 18.0 | 21 | 4 | 26.5 | | | E2781.1/8 |
| 1.1/4 | 12 | 31.75 | 150 | 28 | 25.0 | 20.0 | 23 | 4 | 29.5 | | | E2781.1/4 |
| 1.3/8 | 12 | 34.93 | 170 | 30 | 28.0 | 22.0 | 25 | 4 | 32.75 | | | E2781.3/8 |
| 1.1/2 | 12 | 38.10 | 170 | 30 | 32.0 | 24.0 | 27 | 4 | 36.0 | | | E2781.1/2 ¹⁾ |

- E524**
- UNF strojní závitník
 - UNF Машинные метчики с прямой стружечной канавкой
 - UNF Gwintownik maszynowy, prosty rowek wiórowy
 - UNF Strojový závitník

E524 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3




E524



No.0 - 1.1/2

| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | ↔ | l ₄ mm | E524 |
|------|-----|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|--------------|
| 0 | 80 | 1.524 | 41 | 7 | 2.50 | 2.00 | 4 | 2 | 1.25 | 7 | E5240-80NO1 |
| 0 | 80 | 1.524 | 41 | 7 | 2.50 | 2.00 | 4 | 2 | 1.25 | 7 | E5240-80NO2 |
| 0 | 80 | 1.524 | 41 | 7 | 2.50 | 2.00 | 4 | 2 | 1.25 | 7 | E5240-80NO3 |
| 1 | 72 | 1.854 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.55 | 8 | E5241-72NO1 |
| 1 | 72 | 1.854 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.55 | 8 | E5241-72NO2 |
| 1 | 72 | 1.854 | 41 | 8 | 2.50 | 2.00 | 4 | 2 | 1.55 | 8 | E5241-72NO3 |
| 2 | 64 | 2.184 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.9 | 9.5 | E5242-64NO1 |
| 2 | 64 | 2.184 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.9 | 9.5 | E5242-64NO2 |
| 2 | 64 | 2.184 | 44.5 | 9.5 | 2.80 | 2.24 | 5 | 3 | 1.9 | 9.5 | E5242-64NO3 |
| 4 | 48 | 2.845 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.4 | 12.5 | E5244-48NO1 |
| 4 | 48 | 2.845 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.4 | 12.5 | E5244-48NO2 |
| 4 | 48 | 2.845 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.4 | 12.5 | E5244-48NO3 |
| 5 | 44 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.7 | 12.5 | E5245-44NO1 |
| 5 | 44 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.7 | 12.5 | E5245-44NO2 |
| 5 | 44 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 5 | 3 | 2.7 | 12.5 | E5245-44NO3 |
| 6 | 40 | 3.505 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.95 | 14 | E5246-40NO1 |
| 6 | 40 | 3.505 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.95 | 14 | E5246-40NO2 |
| 6 | 40 | 3.505 | 50 | 14 | 3.55 | 2.80 | 5 | 3 | 2.95 | 14 | E5246-40NO3 |
| 8 | 36 | 4.166 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.5 | 17 | E5248-36NO1 |
| 8 | 36 | 4.166 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.5 | 17 | E5248-36NO2 |
| 8 | 36 | 4.166 | 53 | 9.5 | 4.50 | 3.55 | 6 | 3 | 3.5 | 17 | E5248-36NO3 |
| 10 | 32 | 4.826 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.1 | 20 | E52410-32NO1 |
| 10 | 32 | 4.826 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.1 | 20 | E52410-32NO2 |
| 10 | 32 | 4.826 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.1 | 20 | E52410-32NO3 |
| 10 | 32 | 4.826 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.1 | 20 | E52410-32NO6 |
| 12 | 28 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.7 | 21 | E52412-28NO1 |
| 12 | 28 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.7 | 21 | E52412-28NO2 |
| 12 | 28 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.7 | 21 | E52412-28NO3 |
| 12 | 28 | 5.486 | 62 | 12 | 5.60 | 4.50 | 7 | 3 | 4.7 | 21 | E52412-28NO6 |
| 1/4 | 28 | 6.350 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.5 | 26 | E5241/4NO1 |
| 1/4 | 28 | 6.350 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.5 | 26 | E5241/4NO2 |
| 1/4 | 28 | 6.350 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.5 | 26 | E5241/4NO3 |
| 1/4 | 28 | 6.350 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.5 | 26 | E5241/4NO6 |
| 5/16 | 24 | 7.938 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.9 | 29 | E5245/16NO1 |
| 5/16 | 24 | 7.938 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.9 | 29 | E5245/16NO2 |
| 5/16 | 24 | 7.938 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.9 | 29 | E5245/16NO3 |
| 5/16 | 24 | 7.938 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.9 | 29 | E5245/16NO6 |
| 3/8 | 24 | 9.525 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 32 | E5243/8NO1 |
| 3/8 | 24 | 9.525 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 32 | E5243/8NO2 |
| 3/8 | 24 | 9.525 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 32 | E5243/8NO3 |



| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z |  | l ₄ mm | E524 |
|-------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|---|----------------------|--------------|
| 3/8 | 24 | 9.525 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.5 | 32 | E5243/8NO6 |
| 7/16 | 20 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.9 | - | E5247/16NO1 |
| 7/16 | 20 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.9 | - | E5247/16NO2 |
| 7/16 | 20 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.9 | - | E5247/16NO3 |
| 7/16 | 20 | 11.112 | 85 | 19 | 8.00 | 6.30 | 9 | 3 | 9.9 | - | E5247/16NO6 |
| 1/2 | 20 | 12.700 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11.5 | - | E5241/2NO1 |
| 1/2 | 20 | 12.700 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11.5 | - | E5241/2NO2 |
| 1/2 | 20 | 12.700 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11.5 | - | E5241/2NO3 |
| 1/2 | 20 | 12.700 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 11.5 | - | E5241/2NO6 |
| 9/16 | 18 | 14.288 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.9 | - | E5249/16NO1 |
| 9/16 | 18 | 14.288 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.9 | - | E5249/16NO2 |
| 9/16 | 18 | 14.288 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.9 | - | E5249/16NO3 |
| 9/16 | 18 | 14.288 | 95 | 24 | 11.20 | 9.00 | 12 | 4 | 12.9 | - | E5249/16NO6 |
| 5/8 | 18 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.5 | - | E5245/8NO1 |
| 5/8 | 18 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.5 | - | E5245/8NO2 |
| 5/8 | 18 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.5 | - | E5245/8NO3 |
| 5/8 | 18 | 15.875 | 102 | 24 | 12.50 | 10.00 | 13 | 4 | 14.5 | - | E5245/8NO6 |
| 3/4 | 16 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E5243/4NO1 |
| 3/4 | 16 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E5243/4NO2 |
| 3/4 | 16 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E5243/4NO3 |
| 3/4 | 16 | 19.050 | 112 | 29 | 14.00 | 11.20 | 14 | 4 | 17.5 | - | E5243/4NO6 |
| 7/8 | 14 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20.4 | - | E5247/8NO1 |
| 7/8 | 14 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20.4 | - | E5247/8NO2 |
| 7/8 | 14 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20.4 | - | E5247/8NO3 |
| 7/8 | 14 | 22.225 | 118 | 29 | 16.00 | 12.50 | 16 | 4 | 20.4 | - | E5247/8NO6 |
| 1" | 12 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23.25 | - | E5241NO1 |
| 1" | 12 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23.25 | - | E5241NO2 |
| 1" | 12 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23.25 | - | E5241NO3 |
| 1" | 12 | 25.400 | 130 | 35 | 18.00 | 14.00 | 18 | 4 | 23.25 | - | E5241NO6 |
| 1.1/8 | 12 | 28.575 | 138 | 35 | 20.00 | 16.00 | 20 | 4 | 26.5 | - | E5241.1/8NO1 |
| 1.1/8 | 12 | 28.575 | 138 | 35 | 20.00 | 16.00 | 20 | 4 | 26.5 | - | E5241.1/8NO2 |
| 1.1/8 | 12 | 28.575 | 138 | 35 | 20.00 | 16.00 | 20 | 4 | 26.5 | - | E5241.1/8NO3 |
| 1.1/4 | 12 | 31.750 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 29.5 | - | E5241.1/4NO1 |
| 1.1/4 | 12 | 31.750 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 29.5 | - | E5241.1/4NO2 |
| 1.1/4 | 12 | 31.750 | 151 | 41 | 22.40 | 18.00 | 22 | 4 | 29.5 | - | E5241.1/4NO3 |
| 1.3/8 | 12 | 34.925 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 32.75 | - | E5241.3/8NO1 |
| 1.3/8 | 12 | 34.925 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 32.75 | - | E5241.3/8NO2 |
| 1.3/8 | 12 | 34.925 | 162 | 47 | 25.00 | 20.00 | 24 | 4 | 32.75 | - | E5241.3/8NO3 |
| 1.1/2 | 12 | 38.100 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 36 | - | E5241.1/2NO1 |
| 1.1/2 | 12 | 38.100 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 36 | - | E5241.1/2NO2 |
| 1.1/2 | 12 | 38.100 | 170 | 47 | 28.00 | 22.40 | 26 | 4 | 36 | - | E5241.1/2NO3 |

EP30

- UNF strojní závitník, přímá drážka, lamač

Do vyprodání skladu dodáváno v HSS-E

EP31

- UNF Машинные метчики с подточкой по заборному конусу
- UNF Gwintownik maszynowy prosty
- UNF Strojový závitník, priama drážka s lamačom triesok

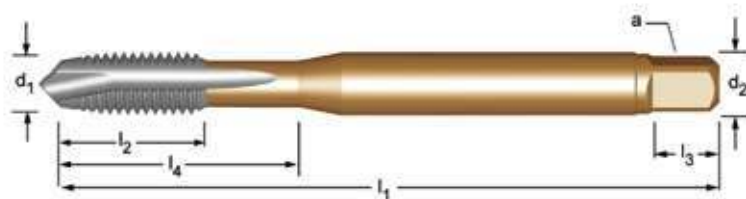
HSS-E до складирования новой продукции

Do wyczerpania obecnych zapasow magazynowych dostepny ze stali HSS-E

Do vypredania skladu dodavane v HSS-E

| | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EP30 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 6.1 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 |
| | • | 1.6 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 | 6.2 | 8.1 |
| EP31 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | | | |

| | | | | | | | | | | | |
|------|-----|------------|----|--|-------|----------|-------|--|--|--|--|
| EP30 | UNF | DIN 2184-1 | 2B | | 2.5XD | HSS-E PM | C 2-3 | | | | |
| EP31 | UNF | DIN 2184-1 | 2B | | 2.5XD | HSS-E PM | C 2-3 | | | | |



| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | EP30 | EP31 |
|------|-----|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|-------|-------------------|-----------|-----------|
| 8 | 36 | 4.166 | 63 | 12 | 4.5 | 3.4 | 8 | 3 | 3.5 | 21 | EP308-36 | EP318-36 |
| 10 | 32 | 4.826 | 70 | 13 | 6.0 | 4.9 | 8 | 3 | 4.1 | 25 | EP3010-32 | EP3110-32 |
| 1/4 | 28 | 6.350 | 80 | 15 | 7.0 | 5.5 | 8 | 3 | 5.5 | 30 | EP301/4 | EP311/4 |
| 5/16 | 24 | 7.938 | 90 | 18 | 8.0 | 6.2 | 9 | 3 | 6.9 | 35 | EP305/16 | EP315/16 |
| 3/8 | 24 | 9.525 | 100 | 20 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | EP303/8 | EP313/8 |
| 7/16 | 20 | 11.112 | 100 | 20 | 8.0 | 6.2 | 9 | 3 | 9.9 | - | EP307/16 | EP317/16 |
| 1/2 | 20 | 12.700 | 110 | 23 | 9.0 | 7.0 | 10 | 3 | 11.5 | - | EP301/2 | EP311/2 |
| 5/8 | 18 | 15.875 | 110 | 25 | 12.0 | 9.0 | 12 | 3 | 14.5 | - | EP305/8 | EP315/8 |
| 3/4 | 16 | 19.050 | 125 | 30 | 14.0 | 11.0 | 14 | 4 | 17.5 | - | EP303/4 | EP313/4 |
| 7/8 | 14 | 22.225 | 140 | 34 | 18.0 | 14.5 | 17 | 4 | 20.4 | - | EP307/8 | EP317/8 |
| 1" | 12 | 25.400 | 160 | 38 | 18.0 | 14.5 | 17 | 4 | 23.25 | - | EP301 | EP311 |

E031

- UNF strojní závitník, přímá drážka, lamač
 - UNF Машинные метчики с подточкой по заборному конусу
 - UNF Gwintownik maszynowy prosty
 - UNF Strojový závitník, priama drážka s lamačom triesok
- Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| E031 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | | | |

E031 UNF ISO 529 2B 2.5XD HSS-E PM B 3.5-5 ST



E031



No.8 - 1"

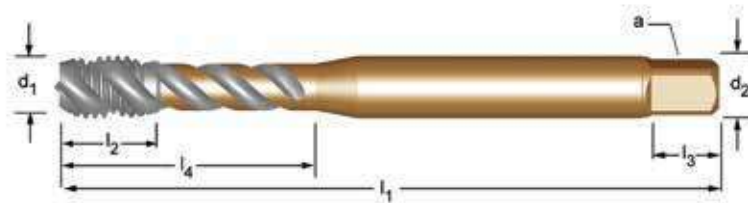
| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E031 |
|------|-----|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|-------|-------------------|-----------|
| 8 | 36 | 4.166 | 53 | 9.5 | 4.5 | 3.55 | 6 | 3 | 3.50 | 17 | E0318-36 |
| 10 | 32 | 4.826 | 58 | 11 | 5.0 | 4.00 | 7 | 3 | 4.10 | 20 | E03110-32 |
| 1/4 | 28 | 6.350 | 66 | 13 | 6.3 | 5.00 | 8 | 3 | 5.50 | 26 | E0311/4 |
| 5/16 | 24 | 7.938 | 72 | 16 | 8.0 | 6.30 | 9 | 3 | 6.90 | 29 | E0315/16 |
| 3/8 | 24 | 9.525 | 80 | 18 | 10.0 | 8.00 | 11 | 3 | 8.50 | 32 | E0313/8 |
| 7/16 | 20 | 11.112 | 85 | 19 | 8.0 | 6.30 | 9 | 3 | 9.90 | - | E0317/16 |
| 1/2 | 20 | 12.700 | 89 | 22 | 9.0 | 7.10 | 10 | 3 | 11.50 | - | E0311/2 |
| 9/16 | 18 | 14.288 | 95 | 24 | 11.2 | 9.00 | 12 | 3 | 12.90 | - | E0319/16 |
| 5/8 | 18 | 15.875 | 102 | 24 | 12.5 | 10.00 | 13 | 3 | 14.50 | - | E0315/8 |
| 3/4 | 16 | 19.050 | 112 | 29 | 14.0 | 11.20 | 14 | 4 | 17.50 | - | E0313/4 |
| 7/8 | 14 | 22.225 | 118 | 29 | 16.0 | 12.50 | 16 | 4 | 20.40 | - | E0317/8 |
| 1" | 12 | 25.400 | 130 | 35 | 18.0 | 14.00 | 18 | 4 | 23.25 | - | E0311 |

- EX30**
- UNF strojní závitník, šroubovice 45°
 - UNF Машинные метчики со спиральной стружечной канавкой 45°
- EX31**
- UNF Gwintownik maszynowy skrętny 45°
 - UNF Strojový závitník, skrutkovica 45°

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | |
|-------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EX30 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 7.1 | 7.2 | 7.3 | 7.4 |
| | • | 4.1 | 4.2 | 5.1 | 5.2 | | | | | |
| EX31 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | | |
| | • | 2.3 | | | | | | | | |

| | | | | | | | | | | | | |
|-------------|-----|------------|----|--|-------|----------|-------|--|--------------------|--|--|--|
| EX30 | UNF | DIN 2184-1 | 2B | | 2.5XD | HSS-E PM | C 2-3 | | $\lambda 45^\circ$ | | | |
| EX31 | UNF | DIN 2184-1 | 2B | | 2.5XD | HSS-E PM | C 2-3 | | $\lambda 45^\circ$ | | | |



| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | a mm | l ₃ mm | z | | l ₄ mm | EX30 | EX31 |
|------|-----|-----------------------|-------------------|-------------------|---------------------|------|-------------------|---|-------|-------------------|-----------|-----------|
| 8 | 36 | 4.166 | 63 | 7 | 4.5 | 3.4 | 8 | 3 | 3.5 | 21 | EX308-36 | EX318-36 |
| 10 | 32 | 4.826 | 70 | 8 | 6.0 | 4.9 | 8 | 3 | 4.1 | 25 | EX3010-32 | EX3110-32 |
| 1/4 | 28 | 6.350 | 80 | 10 | 7.0 | 5.5 | 8 | 3 | 5.5 | 30 | EX301/4 | EX311/4 |
| 5/16 | 24 | 7.938 | 90 | 12 | 8.0 | 6.2 | 9 | 3 | 6.9 | 35 | EX305/16 | EX315/16 |
| 3/8 | 24 | 9.525 | 100 | 15 | 10.0 | 8.0 | 11 | 3 | 8.5 | 39 | EX303/8 | EX313/8 |
| 7/16 | 20 | 11.112 | 100 | 15 | 8.0 | 6.2 | 9 | 3 | 9.9 | - | EX307/16 | EX317/16 |
| 1/2 | 20 | 12.700 | 110 | 18 | 9.0 | 7.0 | 10 | 3 | 11.5 | - | EX301/2 | EX311/2 |
| 5/8 | 18 | 15.875 | 110 | 20 | 12.0 | 9.0 | 12 | 4 | 14.5 | - | EX305/8 | EX315/8 |
| 3/4 | 16 | 19.050 | 125 | 25 | 14.0 | 11.0 | 14 | 4 | 17.5 | - | EX303/4 | EX313/4 |
| 7/8 | 14 | 22.225 | 140 | 25 | 18.0 | 14.5 | 17 | 4 | 20.4 | - | EX307/8 | EX317/8 |
| 1" | 12 | 25.400 | 160 | 30 | 18.0 | 14.5 | 17 | 4 | 23.25 | - | EX301 | EX311 |

E033

- UNF strojní závitník, šroubovice 45°
- UNF Машинные метчики со спиральной стружечной канавкой 45°
- UNF Gwintownik maszynowy skrętny 45°
- UNF Strojový závitník, skrutkovica 45°

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodávané v HSS-E

| | | | | | | |
|------|---|-----|-----|-----|-----|-----|
| E033 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | |

E033

UNF

ISO
529

2B



2.5XD

HSS-E
PM

C
2-3



E033

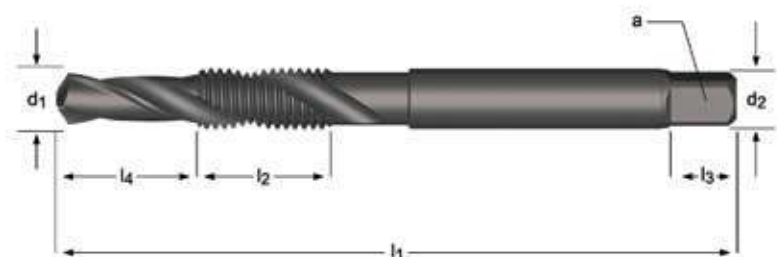
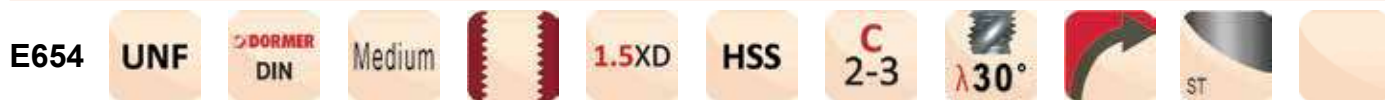


No.8 - 1"

| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | □ a mm | l ₃ mm | z | | l ₄ mm | E033 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|-------|----------------------|-----------|
| 8 | 36 | 4.166 | 53 | 7 | 4.5 | 3.55 | 6 | 3 | 3.50 | 17 | E0338-36 |
| 10 | 32 | 4.826 | 58 | 8 | 5.0 | 4.00 | 7 | 3 | 4.10 | 20 | E03310-32 |
| 1/4 | 28 | 6.350 | 66 | 10 | 6.3 | 5.00 | 8 | 3 | 5.50 | 28 | E0331/4 |
| 5/16 | 24 | 7.938 | 72 | 12 | 8.0 | 6.30 | 9 | 3 | 6.90 | 31 | E0335/16 |
| 3/8 | 24 | 9.525 | 80 | 15 | 10.0 | 8.00 | 11 | 3 | 8.50 | 34 | E0333/8 |
| 7/16 | 20 | 11.112 | 85 | 19 | 8.0 | 6.30 | 9 | 3 | 9.90 | - | E0337/16 |
| 1/2 | 20 | 12.700 | 89 | 22 | 9.0 | 7.10 | 10 | 3 | 11.50 | - | E0331/2 |
| 9/16 | 18 | 14.288 | 95 | 24 | 11.2 | 9.00 | 12 | 3 | 12.90 | - | E0339/16 |
| 5/8 | 18 | 15.875 | 102 | 24 | 12.5 | 10.00 | 13 | 4 | 14.50 | - | E0335/8 |
| 3/4 | 16 | 19.050 | 112 | 29 | 14.0 | 11.20 | 14 | 4 | 17.50 | - | E0333/4 |
| 7/8 | 14 | 22.225 | 118 | 29 | 16.0 | 12.50 | 16 | 4 | 20.40 | - | E0337/8 |
| 1" | 12 | 25.400 | 130 | 35 | 18.0 | 14.00 | 18 | 4 | 23.25 | - | E0331 |

- E654**
- UNF Závitník kombi
 - UNF Комбинированные метчики со спиральной стружечной канавкой 30°
 - UNF Wiertło/gwintownik skrętny 30°
 - UNF Závitník kombinovaný 30°

E654 • 1.1 1.2 1.3 1.4 3.2 6.2 6.3 7.1 7.2 8.1



E654



No.8 - 5/8

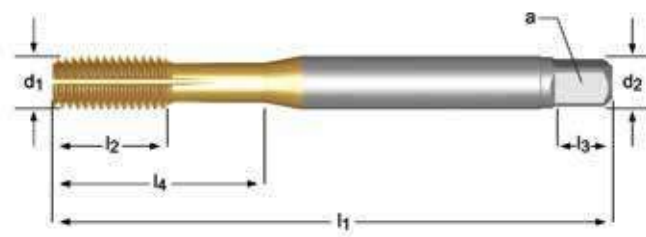
| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | l ₄ mm | d ₂ ∅ mm | ∠ a mm | z | E654 |
|------|-----|-----------------------------|----------------------|----------------------|----------------------|---------------------------|--------------|---|-----------|
| 8 | 36 | 3.50 | 64 | 13 | 8 | 4.5 | 3.55 | 2 | E6548-36 |
| 10 | 32 | 4.10 | 72 | 16 | 10 | 5.0 | 4.00 | 2 | E65410-32 |
| 12 | 28 | 4.70 | 77 | 17 | 11 | 5.6 | 4.50 | 2 | E65412-28 |
| 1/4 | 28 | 5.50 | 83 | 19 | 13 | 6.3 | 5.00 | 2 | E6541/4 |
| 5/16 | 24 | 6.90 | 94 | 22 | 16 | 8.0 | 6.30 | 2 | E6545/16 |
| 3/8 | 24 | 8.50 | 104 | 24 | 19 | 10.0 | 8.00 | 2 | E6543/8 |
| 7/16 | 20 | 9.90 | 107 | 25 | 22 | 8.0 | 6.30 | 2 | E6547/16 |
| 1/2 | 20 | 11.50 | 114 | 29 | 25 | 9.0 | 7.10 | 2 | E6541/2 |
| 5/8 | 18 | 14.50 | 134 | 32 | 32 | 12.5 | 10.00 | 2 | E6545/8 |

E286

- UNF strojní tvářecí závitník s mazacími drážkami
- UNF Метчик-раскатник с подводом масла
- UNF Wygniatak maszynowy z rowkami smarnymi
- UNF Strojový tvárňiaci závitník s mazacími drážkami

| | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E286 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 4.1 | 5.1 | 7.1 | 7.2 | 7.3 |
| | • | 1.5 | 2.3 | 5.2 | 6.1 | 6.3 | 7.4 | | | | | |

E286 **UNF** **DIN 2184-1** **2BX** **3.5XD** **HSS-E** **C 2-3.5**

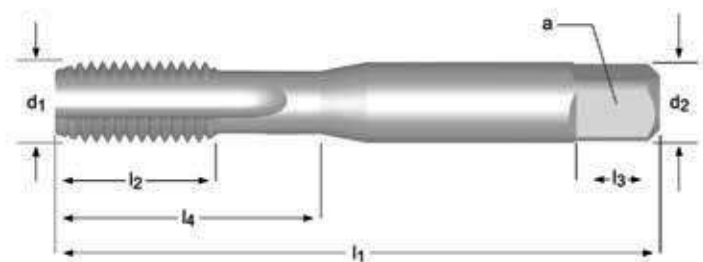


| UNF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | | l ₄ mm | E286 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|---------|----------------------|---|------|----------------------|-----------|
| 4 | 48 | 2.845 | 56 | 9 | 3.5 | 2.7 | 6 | 4 | 2.6 | 18 | E2864-48 |
| 6 | 40 | 3.505 | 56 | 11 | 4.0 | 3.0 | 6 | 4 | 3.2 | 20 | E2866-40 |
| 8 | 36 | 4.166 | 63 | 12 | 4.5 | 3.4 | 6 | 5 | 3.9 | 21 | E2868-36 |
| 10 | 32 | 4.826 | 70 | 13 | 6.0 | 4.9 | 8 | 5 | 4.5 | 25 | E28610-32 |
| 1/4 | 28 | 6.350 | 80 | 15 | 7.0 | 5.5 | 8 | 5 | 6.0 | 30 | E2861/4 |
| 5/16 | 24 | 7.938 | 90 | 18 | 8.0 | 6.2 | 9 | 5 | 7.5 | 35 | E2865/16 |
| 3/8 | 24 | 9.525 | 100 | 20 | 10.0 | 8.0 | 11 | 5 | 9.1 | 39 | E2863/8 |
| 7/16 | 20 | 11.112 | 100 | 20 | 8.0 | 6.2 | 9 | 5 | 10.6 | - | E2867/16 |
| 1/2 | 20 | 12.700 | 100 | 21 | 9.0 | 7.0 | 10 | 5 | 12.1 | - | E2861/2 |

- E570**
- UN strojní závitník
 - UN Машинные метчики с прямой стружечной канавкой
 - UN Gwintownik maszynowy, prosty rowek wiórowy
 - UN Strojový závitník

E570 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3

E570 UN ISO 529 2B 1.5XD HSS C 2-3



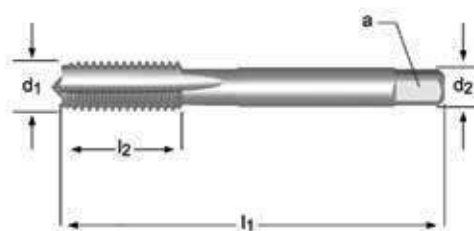
| UN | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | z | | l ₄ mm | E570 |
|--------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|---|-------|----------------------|------------------|
| 1/4 | 32 | 6.350 | 66 | 13 | 6.3 | 5.00 | 3 | 5.6 | 26 | E5701/4X32NO3 |
| 1/4 | 36 | 6.350 | 66 | 13 | 6.3 | 5.00 | 3 | 5.7 | 26 | E5701/4X36NO3 |
| 1/4 | 40 | 6.350 | 66 | 13 | 6.3 | 5.00 | 3 | 5.7 | 26 | E5701/4X40NO3 |
| 5/16 | 32 | 7.938 | 72 | 16 | 8.0 | 6.30 | 3 | 7.2 | 29 | E5705/16X32NO3 |
| 3/8 | 32 | 9.525 | 80 | 18 | 10.0 | 8.00 | 3 | 8.8 | 32 | E5703/8X32NO3 |
| 7/16 | 24 | 11.112 | 85 | 19 | 8.0 | 6.30 | 3 | 10 | - | E5707/16X24NO3 |
| 7/16 | 28 | 11.112 | 85 | 19 | 8.0 | 6.30 | 3 | 10.2 | - | E5707/16X28NO3 |
| 1/2 | 28 | 12.700 | 89 | 22 | 9.0 | 7.10 | 3 | 11.8 | - | E5701/2X28NO3 |
| 9/16 | 24 | 14.288 | 95 | 24 | 11.2 | 9.00 | 4 | 13.25 | - | E5709/16X24NO3 |
| 5/8 | 24 | 15.875 | 102 | 24 | 12.5 | 10.00 | 4 | 14.8 | - | E5705/8X24NO3 |
| 3/4 | 20 | 19.050 | 112 | 29 | 14.0 | 11.20 | 4 | 17.8 | - | E5703/4X20NO3 |
| 7/8 | 20 | 22.225 | 118 | 30 | 16.0 | 12.50 | 4 | 21 | - | E5707/8X20NO3 |
| 1" | 14 | 25.400 | 130 | 36 | 18.0 | 14.00 | 4 | 23.5 | - | E5701X14NO3 |
| 1.1/16 | 12 | 26.988 | 127 | 37 | 20.0 | 16.00 | 4 | 24.75 | - | E5701.1/16X12NO3 |
| 1.1/8 | 8 | 28.575 | 138 | 35 | 20.0 | 16.00 | 4 | 25.5 | - | E5701.1/8X8NO3 |
| 1.3/16 | 12 | 30.163 | 137 | 37 | 22.4 | 18.00 | 4 | 28 | - | E5701.3/16X12NO3 |
| 1.1/4 | 8 | 31.750 | 151 | 41 | 22.4 | 18.00 | 4 | 28.5 | - | E5701.1/4X8NO3 |
| 1.5/16 | 12 | 33.338 | 137 | 37 | 22.4 | 18.00 | 4 | 31.25 | - | E5701.5/16X12NO3 |

NO1-NO9
219

E115

- BSW Závitník ruční, přímá drážka
- BSW Ручные метчики с прямой стружечной канавкой
- BSW Gwintownik ręczny, prosty rowek wiórowy
- BSW Závitník ručný, priama drážka

E115 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3



E115



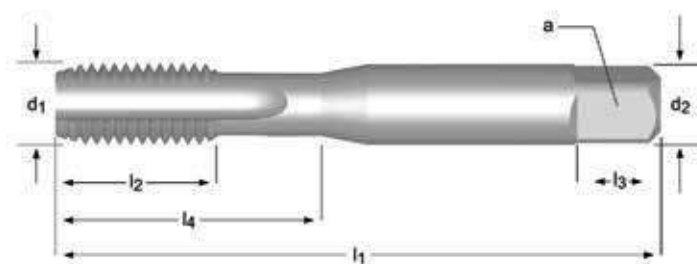
1/8 - 1"

| BSW | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | z | | E115 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|---|-------|-------------|
| 1/8 | 40 | 3.175 | 40 | 10 | 3.5 | 2.7 | 3 | 2.55 | E1151/8NO3 |
| 1/8 | 40 | 3.175 | 40 | 10 | 3.5 | 2.7 | 3 | 2.55 | E1151/8NO8 |
| 5/32 | 32 | 3.969 | 45 | 12 | 4.5 | 3.4 | 3 | 3.2 | E1155/32NO3 |
| 5/32 | 32 | 3.969 | 45 | 12 | 4.5 | 3.4 | 3 | 3.2 | E1155/32NO8 |
| 3/16 | 24 | 4.763 | 50 | 16 | 5.5 | 4.3 | 3 | 3.7 | E1153/16NO3 |
| 3/16 | 24 | 4.763 | 50 | 16 | 5.5 | 4.3 | 3 | 3.7 | E1153/16NO8 |
| 1/4 | 20 | 6.350 | 56 | 17 | 6.0 | 4.9 | 3 | 5.1 | E1151/4NO3 |
| 1/4 | 20 | 6.350 | 56 | 17 | 6.0 | 4.9 | 3 | 5.1 | E1151/4NO8 |
| 5/16 | 18 | 7.938 | 63 | 25 | 6.0 | 4.9 | 3 | 6.5 | E1155/16NO3 |
| 5/16 | 18 | 7.938 | 63 | 25 | 6.0 | 4.9 | 3 | 6.5 | E1155/16NO8 |
| 3/8 | 16 | 9.525 | 70 | 22 | 7.0 | 5.5 | 3 | 7.9 | E1153/8NO3 |
| 3/8 | 16 | 9.525 | 70 | 22 | 7.0 | 5.5 | 3 | 7.9 | E1153/8NO8 |
| 7/16 | 14 | 11.113 | 75 | 30 | 8.0 | 6.2 | 3 | 9.2 | E1157/16NO3 |
| 7/16 | 14 | 11.113 | 75 | 30 | 8.0 | 6.2 | 3 | 9.2 | E1157/16NO8 |
| 1/2 | 12 | 12.700 | 80 | 30 | 9.0 | 7.0 | 3 | 10.5 | E1151/2NO3 |
| 1/2 | 12 | 12.700 | 80 | 30 | 9.0 | 7.0 | 3 | 10.5 | E1151/2NO8 |
| 9/16 | 12 | 14.288 | 80 | 30 | 11.0 | 9.0 | 4 | 12 | E1159/16NO3 |
| 9/16 | 12 | 14.288 | 80 | 30 | 11.0 | 9.0 | 4 | 12 | E1159/16NO8 |
| 5/8 | 11 | 15.875 | 90 | 36 | 12.0 | 9.0 | 4 | 13.5 | E1155/8NO3 |
| 5/8 | 11 | 15.875 | 90 | 36 | 12.0 | 9.0 | 4 | 13.5 | E1155/8NO8 |
| 3/4 | 10 | 19.050 | 105 | 40 | 14.0 | 11.0 | 4 | 16.5 | E1153/4NO3 |
| 3/4 | 10 | 19.050 | 105 | 40 | 14.0 | 11.0 | 4 | 16.5 | E1153/4NO8 |
| 7/8 | 9 | 22.225 | 110 | 45 | 18.0 | 14.5 | 4 | 19.25 | E1157/8NO3 |
| 7/8 | 9 | 22.225 | 110 | 45 | 18.0 | 14.5 | 4 | 19.25 | E1157/8NO8 |
| 1" | 8 | 25.400 | 110 | 50 | 20.0 | 16.0 | 4 | 22 | E1151NO3 |
| 1" | 8 | 25.400 | 110 | 50 | 20.0 | 16.0 | 4 | 22 | E1151NO8 |

NO1 - NO9
219


- E531**
- BSW strojní závitník
 - BSW Машинные метчики с прямой стружечной канавкой
 - BSW Gwintownik maszynowy, prosty rowek wiórowy
 - BSW strojový závitník

E531 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3



| BSW | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | z | | l ₄ mm | E531 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|---|------|----------------------|-------------|
| 1/8 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 3 | 2.55 | 12.5 | E5311/8NO1 |
| 1/8 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 3 | 2.55 | 12.5 | E5311/8NO2 |
| 1/8 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 3 | 2.55 | 12.5 | E5311/8NO3 |
| 1/8 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 3 | 2.55 | 12.5 | E5311/8NO6 |
| 5/32 | 32 | 3.969 | 53 | 14 | 4.00 | 3.15 | 3 | 3.2 | 14 | E5315/32NO1 |
| 5/32 | 32 | 3.969 | 53 | 14 | 4.00 | 3.15 | 3 | 3.2 | 14 | E5315/32NO2 |
| 5/32 | 32 | 3.969 | 53 | 14 | 4.00 | 3.15 | 3 | 3.2 | 14 | E5315/32NO3 |
| 5/32 | 32 | 3.969 | 53 | 14 | 4.00 | 3.15 | 3 | 3.2 | 14 | E5315/32NO6 |
| 3/16 | 24 | 4.763 | 58 | 11 | 5.00 | 4.00 | 3 | 3.7 | 20 | E5313/16NO1 |
| 3/16 | 24 | 4.763 | 58 | 11 | 5.00 | 4.00 | 3 | 3.7 | 20 | E5313/16NO2 |
| 3/16 | 24 | 4.763 | 58 | 11 | 5.00 | 4.00 | 3 | 3.7 | 20 | E5313/16NO3 |
| 3/16 | 24 | 4.763 | 58 | 11 | 5.00 | 4.00 | 3 | 3.7 | 20 | E5313/16NO6 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 3 | 5.1 | 26 | E5311/4NO1 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 3 | 5.1 | 26 | E5311/4NO2 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 3 | 5.1 | 26 | E5311/4NO3 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 3 | 5.1 | 26 | E5311/4NO6 |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 3 | 6.5 | 29 | E5315/16NO1 |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 3 | 6.5 | 29 | E5315/16NO2 |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 3 | 6.5 | 29 | E5315/16NO3 |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 3 | 6.5 | 29 | E5315/16NO6 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 3 | 7.9 | 32 | E5313/8NO1 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 3 | 7.9 | 32 | E5313/8NO2 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 3 | 7.9 | 32 | E5313/8NO3 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 3 | 7.9 | 32 | E5313/8NO6 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 3 | 9.2 | - | E5317/16NO1 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 3 | 9.2 | - | E5317/16NO2 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 3 | 9.2 | - | E5317/16NO3 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 3 | 9.2 | - | E5317/16NO6 |
| 1/2 | 12 | 12.700 | 89 | 22 | 9.00 | 7.10 | 3 | 10.5 | - | E5311/2NO1 |
| 1/2 | 12 | 12.700 | 89 | 22 | 9.00 | 7.10 | 3 | 10.5 | - | E5311/2NO2 |
| 1/2 | 12 | 12.700 | 89 | 22 | 9.00 | 7.10 | 3 | 10.5 | - | E5311/2NO3 |
| 1/2 | 12 | 12.700 | 89 | 22 | 9.00 | 7.10 | 3 | 10.5 | - | E5311/2NO6 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 4 | 13.5 | - | E5315/8NO1 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 4 | 13.5 | - | E5315/8NO2 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 4 | 13.5 | - | E5315/8NO3 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 4 | 13.5 | - | E5315/8NO6 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 4 | 16.5 | - | E5313/4NO1 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 4 | 16.5 | - | E5313/4NO2 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 4 | 16.5 | - | E5313/4NO3 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 4 | 16.5 | - | E5313/4NO6 |

NO1-NO3
219




| BSW | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∇ a mm | z |  | l ₄ mm | E531 |
|-----|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|---|---|----------------------|----------|
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 4 | 22 | - | E5311NO1 |
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 4 | 22 | - | E5311NO2 |
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 4 | 22 | - | E5311NO3 |
| 1" | 8 | 25.400 | 130 | 35 | 18.00 | 14.00 | 4 | 22 | - | E5311NO6 |



E534

- BSW strojní závitník, přímá drážka, lamač
- BSW Машинные метчики с подточкой по заборному конусу
- BSW Gwintownik maszynowy prosty
- BSW Strojový závitník, priama drážka s lamačom triesok

| | | | | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| E534 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 2.3 | | | | | | | |
| | • | 1.5 | 1.6 | 4.3 | 5.1 | 5.2 | 6.1 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 | 8.1 | | |


| | | | | | | | | | | | |
|------|-----|---------|--------|---|-------|-----|---------|---|---|---|---|
| E534 | BSW | ISO 529 | Medium |  | 2.5XD | HSS | B 3.5-5 |  |  |  |  |
|------|-----|---------|--------|---|-------|-----|---------|---|---|---|---|



E534



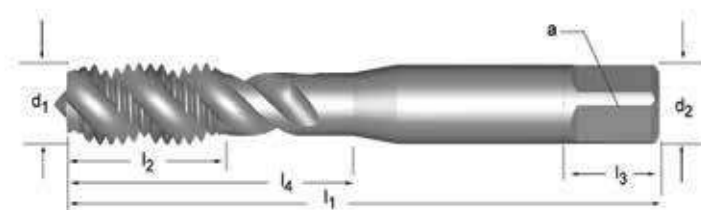
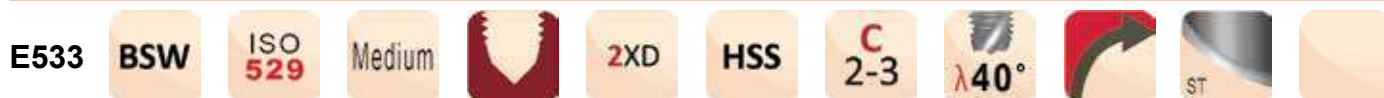
1/8 - 3/4

| BSW | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∩ a mm | z |  | l ₄ mm | E534 |
|------|-----|-----------------------|-------------------|-------------------|---------------------|--------|---|---|-------------------|----------|
| 1/8 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 3 | 2.55 | 12.5 | E5341/8 |
| 5/32 | 32 | 3.969 | 53 | 14 | 4.00 | 3.15 | 3 | 3.2 | 14 | E5345/32 |
| 3/16 | 24 | 4.763 | 58 | 11 | 5.00 | 4.00 | 3 | 3.7 | 20 | E5343/16 |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 3 | 5.1 | 26 | E5341/4 |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 3 | 6.5 | 29 | E5345/16 |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 3 | 7.9 | 32 | E5343/8 |
| 7/16 | 14 | 11.112 | 85 | 19 | 8.00 | 6.30 | 3 | 9.2 | - | E5347/16 |
| 1/2 | 12 | 12.700 | 89 | 22 | 9.00 | 7.10 | 3 | 10.5 | - | E5341/2 |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 3 | 13.5 | - | E5345/8 |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 4 | 16.5 | - | E5343/4 |

E533

- BSW strojní závitník, šroubovice 40°
- BSW Машинные метчики со спиральной стружечной канавкой 40°
- BSW Gwintownik maszynowy skrętny 40°
- BSW Strojový závitník, skrutkovica 40°

| | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|
| E533 | ▪ | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 2.3 |
| | • | 1.5 | 5.2 | 7.1 | 7.2 | 7.3 | 7.4 |



| BSW | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | z | | l ₄ mm | E533 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|---|------|----------------------|------------------------|
| 1/8 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 3 | 2.55 | 12.5 | E5331/8 ³⁾ |
| 1/8 | 40 | 3.175 | 48 | 12.5 | 3.15 | 2.50 | 3 | 2.55 | 12.5 | E5331/8BLUE |
| 3/16 | 24 | 4.763 | 58 | 11 | 5.00 | 4.00 | 3 | 3.7 | 20 | E5333/16 ³⁾ |
| 3/16 | 24 | 4.763 | 58 | 11 | 5.00 | 4.00 | 3 | 3.7 | 20 | E5333/16BLUE |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 3 | 5.1 | 26 | E5331/4 ³⁾ |
| 1/4 | 20 | 6.350 | 66 | 13 | 6.30 | 5.00 | 3 | 5.1 | 26 | E5331/4BLUE |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 3 | 6.5 | 31 | E5335/16 ³⁾ |
| 5/16 | 18 | 7.938 | 72 | 16 | 8.00 | 6.30 | 3 | 6.5 | 31 | E5335/16BLUE |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 3 | 7.9 | 34 | E5333/8 ³⁾ |
| 3/8 | 16 | 9.525 | 80 | 18 | 10.00 | 8.00 | 3 | 7.9 | 34 | E5333/8BLUE |
| 1/2 | 12 | 12.700 | 89 | 22 | 9.00 | 7.10 | 3 | 10.5 | - | E5331/2 ³⁾ |
| 1/2 | 12 | 12.700 | 89 | 22 | 9.00 | 7.10 | 3 | 10.5 | - | E5331/2BLUE |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 3 | 13.5 | - | E5335/8 ³⁾ |
| 5/8 | 11 | 15.875 | 102 | 24 | 12.50 | 10.00 | 3 | 13.5 | - | E5335/8BLUE |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 3 | 16.5 | - | E5333/4 ³⁾ |
| 3/4 | 10 | 19.050 | 112 | 29 | 14.00 | 11.20 | 3 | 16.5 | - | E5333/4BLUE |

³⁾ Broušený / Полированный / Jasny / Brúsený

E536

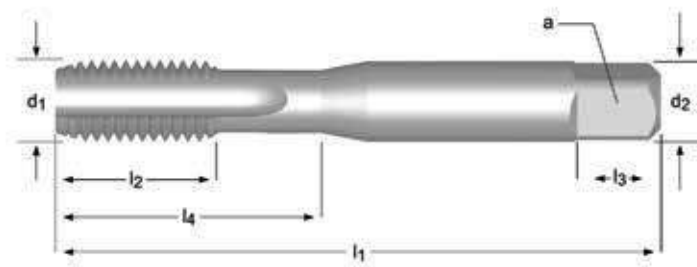
- BSF strojní závitník
- BSF Машинные метчики с прямой стружечной канавкой
- BSF Gwintownik maszynowy, prosty rowek wiórowy
- BSF Strojový závitník

E536 ■ **6.1**

• **1.1 1.2 1.3 1.4 1.5 1.6 2.1 2.2 2.3 3.1 3.2 3.3 3.4 6.2 6.3 6.4 7.2 7.3 7.4 8.2**

8.3

E536 **BSF** **ISO 529** **Medium** **1.5XD** **HSS**



| BSF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∟ a mm | z | | l ₄ mm | E536 |
|------|-----|-----------------------|-------------------|-------------------|---------------------|--------|---|-------|-------------------|-------------|
| 3/16 | 32 | 4.76 | 58 | 12 | 5.0 | 4.0 | 3 | 4 | 20 | E5363/16NO1 |
| 3/16 | 32 | 4.76 | 58 | 12 | 5.0 | 4.0 | 3 | 4 | 20 | E5363/16NO2 |
| 3/16 | 32 | 4.76 | 58 | 12 | 5.0 | 4.0 | 3 | 4 | 20 | E5363/16NO3 |
| 3/16 | 32 | 4.76 | 58 | 12 | 5.0 | 4.0 | 3 | 4 | 20 | E5363/16NO6 |
| 1/4 | 26 | 6.35 | 66 | 14 | 6.3 | 5.0 | 3 | 5.3 | 26 | E5361/4NO1 |
| 1/4 | 26 | 6.35 | 66 | 14 | 6.3 | 5.0 | 3 | 5.3 | 26 | E5361/4NO2 |
| 1/4 | 26 | 6.35 | 66 | 14 | 6.3 | 5.0 | 3 | 5.3 | 26 | E5361/4NO3 |
| 1/4 | 26 | 6.35 | 66 | 14 | 6.3 | 5.0 | 3 | 5.3 | 26 | E5361/4NO6 |
| 5/16 | 22 | 7.94 | 72 | 18 | 8.0 | 6.3 | 3 | 6.8 | 29 | E5365/16NO1 |
| 5/16 | 22 | 7.94 | 72 | 18 | 8.0 | 6.3 | 3 | 6.8 | 29 | E5365/16NO2 |
| 5/16 | 22 | 7.94 | 72 | 18 | 8.0 | 6.3 | 3 | 6.8 | 29 | E5365/16NO3 |
| 5/16 | 22 | 7.94 | 72 | 18 | 8.0 | 6.3 | 3 | 6.8 | 29 | E5365/16NO6 |
| 3/8 | 20 | 9.53 | 80 | 20 | 10.0 | 8.0 | 3 | 8.3 | 32 | E5363/8NO1 |
| 3/8 | 20 | 9.53 | 80 | 20 | 10.0 | 8.0 | 3 | 8.3 | 32 | E5363/8NO2 |
| 3/8 | 20 | 9.53 | 80 | 20 | 10.0 | 8.0 | 3 | 8.3 | 32 | E5363/8NO3 |
| 3/8 | 20 | 9.53 | 80 | 20 | 10.0 | 8.0 | 3 | 8.3 | 32 | E5363/8NO6 |
| 7/16 | 18 | 11.11 | 85 | 20 | 8.0 | 6.3 | 3 | 9.7 | - | E5367/16NO1 |
| 7/16 | 18 | 11.11 | 85 | 20 | 8.0 | 6.3 | 3 | 9.7 | - | E5367/16NO2 |
| 7/16 | 18 | 11.11 | 85 | 20 | 8.0 | 6.3 | 3 | 9.7 | - | E5367/16NO3 |
| 1/2 | 16 | 12.70 | 89 | 23 | 9.0 | 7.1 | 3 | 11 | - | E5361/2NO1 |
| 1/2 | 16 | 12.70 | 89 | 23 | 9.0 | 7.1 | 3 | 11 | - | E5361/2NO2 |
| 1/2 | 16 | 12.70 | 89 | 23 | 9.0 | 7.1 | 3 | 11 | - | E5361/2NO3 |
| 1/2 | 16 | 12.70 | 89 | 23 | 9.0 | 7.1 | 3 | 11 | - | E5361/2NO6 |
| 9/16 | 16 | 14.28 | 95 | 25 | 11.2 | 9.0 | 4 | 12.7 | - | E5369/16NO1 |
| 9/16 | 16 | 14.28 | 95 | 25 | 11.2 | 9.0 | 4 | 12.7 | - | E5369/16NO2 |
| 9/16 | 16 | 14.28 | 95 | 25 | 11.2 | 9.0 | 4 | 12.7 | - | E5369/16NO3 |
| 5/8 | 14 | 15.88 | 102 | 25 | 12.5 | 10.0 | 4 | 14 | - | E5365/8NO1 |
| 5/8 | 14 | 15.88 | 102 | 25 | 12.5 | 10.0 | 4 | 14 | - | E5365/8NO2 |
| 5/8 | 14 | 15.88 | 102 | 25 | 12.5 | 10.0 | 4 | 14 | - | E5365/8NO3 |
| 3/4 | 12 | 19.05 | 112 | 30 | 14.0 | 11.2 | 4 | 17 | - | E5363/4NO1 |
| 3/4 | 12 | 19.05 | 112 | 30 | 14.0 | 11.2 | 4 | 17 | - | E5363/4NO2 |
| 3/4 | 12 | 19.05 | 112 | 30 | 14.0 | 11.2 | 4 | 17 | - | E5363/4NO3 |
| 7/8 | 11 | 22.23 | 118 | 30 | 16.0 | 12.5 | 4 | 19.75 | - | E5367/8NO1 |
| 7/8 | 11 | 22.23 | 118 | 30 | 16.0 | 12.5 | 4 | 19.75 | - | E5367/8NO2 |
| 7/8 | 11 | 22.23 | 118 | 30 | 16.0 | 12.5 | 4 | 19.75 | - | E5367/8NO3 |
| 7/8 | 11 | 22.23 | 118 | 30 | 16.0 | 12.5 | 4 | 19.75 | - | E5367/8NO6 |
| 1" | 10 | 25.40 | 130 | 36 | 18.0 | 14.0 | 4 | 22.75 | - | E5361NO1 |
| 1" | 10 | 25.40 | 130 | 36 | 18.0 | 14.0 | 4 | 22.75 | - | E5361NO2 |
| 1" | 10 | 25.40 | 130 | 36 | 18.0 | 14.0 | 4 | 22.75 | - | E5361NO3 |

NO1-NO9
219

E539

- BSF strojní závitník, přímá drážka, lamač
- BSF Машинные метчики с подточкой по заборному конусу
- BSF Gwintownik maszynowy prosty
- BSF Strojový závitník, priama drážka s lamačom triesok

| | | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E539 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 2.3 | | | | | |
| | • | 1.5 | 1.6 | 4.3 | 5.1 | 5.2 | 6.1 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 | 8.1 |

E539 **BSF** **ISO 529** Medium **2.5XD** **HSS** **B 3.5-5**

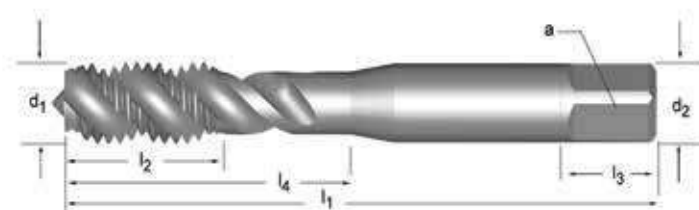
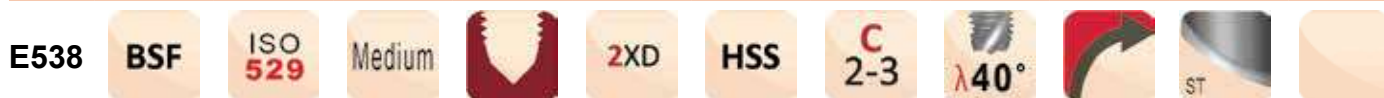


| BSF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | z | | l ₄ mm | E539 |
|------|-----|-----------------------|-------------------|-------------------|---------------------|--------|---|-----|-------------------|----------|
| 1/4 | 26 | 6.35 | 66 | 14 | 6.3 | 5.0 | 3 | 5.3 | 26 | E5391/4 |
| 5/16 | 22 | 7.94 | 72 | 18 | 8.0 | 6.3 | 3 | 6.8 | 29 | E5395/16 |
| 3/8 | 20 | 9.53 | 80 | 20 | 10.0 | 8.0 | 3 | 8.3 | 32 | E5393/8 |
| 1/2 | 16 | 12.70 | 89 | 23 | 9.0 | 7.1 | 3 | 11 | - | E5391/2 |

E538

- BSF strojní závitník, šroubovice 40°
- BSF Машинные метчики со спиральной стружечной канавкой 40°
- BSF Gwintownik maszynowy skrętny 40°
- BSF Strojový závitník, skrutkovica 40°

| | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|
| E538 | ▪ | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 2.3 |
| | • | 1.5 | 5.2 | 7.1 | 7.2 | 7.3 | 7.4 |



E538

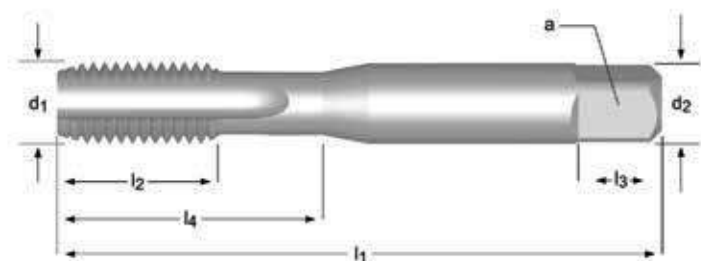


1/4 - 1/2

| BSF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | z | | l ₄ mm | E538 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|---|-----|----------------------|------------------------|
| 1/4 | 26 | 6.350 | 66 | 13 | 6.3 | 5.00 | 3 | 5.3 | 26 | E5381/4 ³⁾ |
| 1/4 | 26 | 6.350 | 66 | 13 | 6.3 | 5.00 | 3 | 5.3 | 26 | E5381/4BLUE |
| 5/16 | 22 | 7.938 | 72 | 16 | 8.0 | 6.30 | 3 | 6.8 | 31 | E5385/16 ³⁾ |
| 5/16 | 22 | 7.938 | 72 | 16 | 8.0 | 6.30 | 3 | 6.8 | 31 | E5385/16BLUE |
| 3/8 | 20 | 9.525 | 80 | 18 | 10.0 | 8.00 | 3 | 8.3 | 34 | E5383/8 ³⁾ |
| 3/8 | 20 | 9.525 | 80 | 18 | 10.0 | 8.00 | 3 | 8.3 | 34 | E5383/8BLUE |
| 1/2 | 16 | 12.700 | 89 | 22 | 9.0 | 7.10 | 3 | 11 | - | E5381/2 ³⁾ |
| 1/2 | 16 | 12.700 | 89 | 22 | 9.0 | 7.10 | 3 | 11 | - | E5381/2BLUE |

- E542**
- BA strojní závitník
 - BA Машинные метчики с прямой стружечной канавкой
 - BA Gwintownik maszynowy, prosty rowek wiórowy
 - BA Strojový závitník

E542 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3








| BA | P mm | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | ↔ | l ₄ mm | E542 |
|------|------|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|-------------|
| BA10 | 0.35 | 1.70 | 41 | 7.0 | 2.50 | 2.0 | 4 | 2 | 1.3 | 7 | E542BA10NO1 |
| BA10 | 0.35 | 1.70 | 41 | 7.0 | 2.50 | 2.0 | 4 | 2 | 1.3 | 7 | E542BA10NO2 |
| BA10 | 0.35 | 1.70 | 41 | 7.0 | 2.50 | 2.0 | 4 | 2 | 1.3 | 7 | E542BA10NO3 |
| BA10 | 0.35 | 1.70 | 41 | 7.0 | 2.50 | 2.0 | 4 | 2 | 1.3 | 7 | E542BA10NO6 |
| BA 8 | 0.43 | 2.20 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 1.8 | 9.5 | E542BA8NO1 |
| BA 8 | 0.43 | 2.20 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 1.8 | 9.5 | E542BA8NO2 |
| BA 8 | 0.43 | 2.20 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 1.8 | 9.5 | E542BA8NO3 |
| BA 8 | 0.43 | 2.20 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 1.8 | 9.5 | E542BA8NO6 |
| BA 6 | 0.53 | 2.80 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 2.3 | 9.5 | E542BA6NO1 |
| BA 6 | 0.53 | 2.80 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 2.3 | 9.5 | E542BA6NO2 |
| BA 6 | 0.53 | 2.80 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 2.3 | 9.5 | E542BA6NO3 |
| BA 6 | 0.53 | 2.80 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 2.3 | 9.5 | E542BA6NO6 |
| BA 5 | 0.59 | 3.20 | 48 | 14.5 | 3.15 | 2.5 | 5 | 3 | 2.65 | 14.5 | E542BA5NO1 |
| BA 5 | 0.59 | 3.20 | 48 | 14.5 | 3.15 | 2.5 | 5 | 3 | 2.65 | 14.5 | E542BA5NO2 |
| BA 5 | 0.59 | 3.20 | 48 | 14.5 | 3.15 | 2.5 | 5 | 3 | 2.65 | 14.5 | E542BA5NO3 |
| BA 5 | 0.59 | 3.20 | 48 | 14.5 | 3.15 | 2.5 | 5 | 3 | 2.65 | 14.5 | E542BA5NO6 |
| BA 4 | 0.66 | 3.60 | 50 | 16.5 | 3.55 | 2.8 | 5 | 3 | 3 | 16.5 | E542BA4NO1 |
| BA 4 | 0.66 | 3.60 | 50 | 16.5 | 3.55 | 2.8 | 5 | 3 | 3 | 16.5 | E542BA4NO2 |
| BA 4 | 0.66 | 3.60 | 50 | 16.5 | 3.55 | 2.8 | 5 | 3 | 3 | 16.5 | E542BA4NO3 |
| BA 4 | 0.66 | 3.60 | 50 | 16.5 | 3.55 | 2.8 | 5 | 3 | 3 | 16.5 | E542BA4NO6 |
| BA 3 | 0.73 | 4.10 | 53 | 10.0 | 4.50 | 3.5 | 6 | 3 | 3.4 | 17 | E542BA3NO1 |
| BA 3 | 0.73 | 4.10 | 53 | 10.0 | 4.50 | 3.5 | 6 | 3 | 3.4 | 17 | E542BA3NO2 |
| BA 3 | 0.73 | 4.10 | 53 | 10.0 | 4.50 | 3.5 | 6 | 3 | 3.4 | 17 | E542BA3NO3 |
| BA 3 | 0.73 | 4.10 | 53 | 10.0 | 4.50 | 3.5 | 6 | 3 | 3.4 | 17 | E542BA3NO6 |
| BA 2 | 0.81 | 4.70 | 58 | 12.0 | 5.00 | 4.0 | 7 | 3 | 4 | 20 | E542BA2NO1 |
| BA 2 | 0.81 | 4.70 | 58 | 12.0 | 5.00 | 4.0 | 7 | 3 | 4 | 20 | E542BA2NO2 |
| BA 2 | 0.81 | 4.70 | 58 | 12.0 | 5.00 | 4.0 | 7 | 3 | 4 | 20 | E542BA2NO3 |
| BA 2 | 0.81 | 4.70 | 58 | 12.0 | 5.00 | 4.0 | 7 | 3 | 4 | 20 | E542BA2NO6 |
| BA 0 | 1.00 | 6.00 | 66 | 14.0 | 6.30 | 5.0 | 8 | 3 | 5.1 | 26 | E542BA0NO1 |
| BA 0 | 1.00 | 6.00 | 66 | 14.0 | 6.30 | 5.0 | 8 | 3 | 5.1 | 26 | E542BA0NO2 |
| BA 0 | 1.00 | 6.00 | 66 | 14.0 | 6.30 | 5.0 | 8 | 3 | 5.1 | 26 | E542BA0NO3 |
| BA 0 | 1.00 | 6.00 | 66 | 14.0 | 6.30 | 5.0 | 8 | 3 | 5.1 | 26 | E542BA0NO6 |

E545

- BA strojní závitník, přímá drážka, lamač
- BA Машинные метчики с подточкой по заборному конусу
- BA Gwintownik maszynowy prosty
- BA Strojový závitník, priama drážka s lamačom triesok

| | | | | | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E545 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | | | | | | | | | | | |
| | • | 1.5 | 1.6 | 2.1 | 2.2 | 2.3 | 4.3 | 5.1 | 5.2 | 6.1 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 | 8.1 |


E545 **BA** **ISO 529** Normal  **2.5XD** **HSS** **B 3.5-5**    



E545



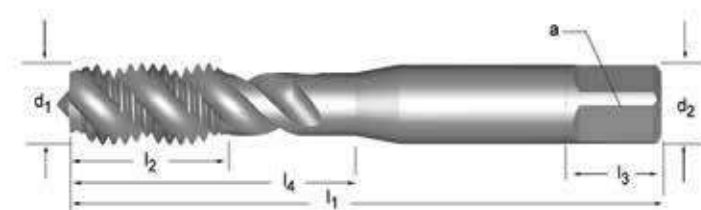
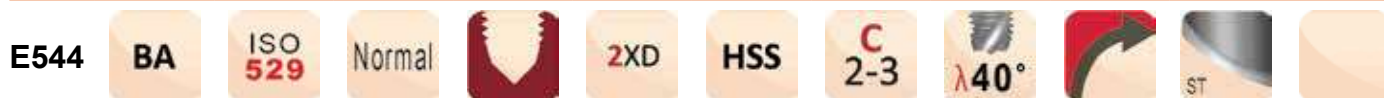
No.10 - No.2

| BA | P mm | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z |  | l ₄ mm | E545 |
|------|------|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|--|-------------------|----------|
| BA10 | 0.35 | 1.70 | 41 | 7.0 | 2.50 | 2.0 | 4 | 2 | 1.3 | 7 | E545BA10 |
| BA 8 | 0.43 | 2.20 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 1.8 | 9.5 | E545BA8 |
| BA 6 | 0.53 | 2.80 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 3 | 2.3 | 9.5 | E545BA6 |
| BA 4 | 0.66 | 3.60 | 50 | 16.5 | 3.55 | 2.8 | 5 | 3 | 3 | 16.5 | E545BA4 |
| BA 2 | 0.81 | 4.70 | 58 | 12.0 | 5.00 | 4.0 | 7 | 3 | 4 | 20 | E545BA2 |

E544

- BA strojní závitník, šroubovice 40°
- BA Машинные метчики со спиральной стружечной канавкой 40°
- BA Gwintownik maszynowy skrętny 40°
- BA Strojový závitník, skrutkovica 40°

| | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|
| E544 | ▪ | 1.2 | 1.3 | 1.4 | 2.1 | 2.2 | 2.3 |
| | • | 1.5 | 5.2 | 7.1 | 7.2 | 7.3 | 7.4 |



| BA | P mm | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | l ₄ mm | E544 |
|------|------|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|-----|-------------------|-----------------------|
| BA 8 | 0.43 | 2.20 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 2 | 1.8 | 9.5 | E544BA8 ³⁾ |
| BA 8 | 0.43 | 2.20 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 2 | 1.8 | 9.5 | E544BA8BLUE |
| BA 6 | 0.53 | 2.80 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 2 | 2.3 | 9.5 | E544BA6 ³⁾ |
| BA 6 | 0.53 | 2.80 | 44.5 | 9.5 | 2.80 | 2.2 | 5 | 2 | 2.3 | 9.5 | E544BA6BLUE |
| BA 4 | 0.66 | 3.60 | 50 | 16.5 | 3.55 | 2.8 | 5 | 3 | 3 | 16.5 | E544BA4 ³⁾ |
| BA 4 | 0.66 | 3.60 | 50 | 16.5 | 3.55 | 2.8 | 5 | 3 | 3 | 16.5 | E544BA4BLUE |
| BA 2 | 0.81 | 4.70 | 58 | 12.0 | 5.00 | 4.0 | 7 | 3 | 4 | 20 | E544BA2 ³⁾ |
| BA 2 | 0.81 | 4.70 | 58 | 12.0 | 5.00 | 4.0 | 7 | 3 | 4 | 20 | E544BA2BLUE |

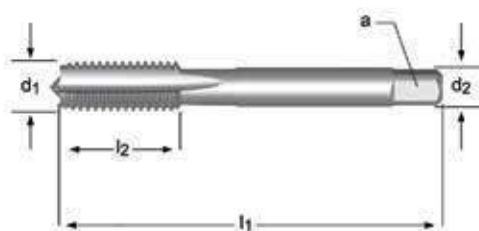
³⁾ Broušený / Полированный / Jasny / Brúsený

E119

- G(BSP) Závítník ruční, přímá drážka
- G(BSP) Ручные метчики с прямой стружечной канавкой
- G(BSP) Gwintownik ręczny, prosty rowek wiórowy
- G(BSP) Závítník ručný, priama drážka

E119 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3

E119 G DIN 5157 Normal 1.5XD HSS C 2-3



| G(BSP) | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∇ a mm | z | ↔ | E119 |
|--------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|---|-------|--------------|
| 1/8 | 28 | 9.73 | 63 | 15 | 7.0 | 5.5 | 3 | 8.8 | E1191/8NO3 |
| 1/8 | 28 | 9.73 | 63 | 15 | 7.0 | 5.5 | 3 | 8.8 | E1191/8NO9 |
| 1/4 | 19 | 13.16 | 70 | 16 | 11.0 | 9.0 | 4 | 11.8 | E1191/4NO3 |
| 1/4 | 19 | 13.16 | 70 | 16 | 11.0 | 9.0 | 4 | 11.8 | E1191/4NO9 |
| 3/8 | 19 | 16.66 | 70 | 16 | 12.0 | 9.0 | 4 | 15.25 | E1193/8NO3 |
| 3/8 | 19 | 16.66 | 70 | 16 | 12.0 | 9.0 | 4 | 15.25 | E1193/8NO9 |
| 1/2 | 14 | 20.96 | 80 | 18 | 16.0 | 12.0 | 4 | 19 | E1191/2NO3 |
| 1/2 | 14 | 20.96 | 80 | 18 | 16.0 | 12.0 | 4 | 19 | E1191/2NO9 |
| 5/8 | 14 | 22.91 | 80 | 22 | 18.0 | 14.5 | 4 | 21 | E1195/8NO3 |
| 5/8 | 14 | 22.91 | 80 | 22 | 18.0 | 14.5 | 4 | 21 | E1195/8NO9 |
| 3/4 | 14 | 26.44 | 90 | 22 | 20.0 | 16.0 | 4 | 24.5 | E1193/4NO3 |
| 3/4 | 14 | 26.44 | 90 | 22 | 20.0 | 16.0 | 4 | 24.5 | E1193/4NO9 |
| 7/8 | 14 | 30.20 | 90 | 22 | 22.0 | 18.0 | 6 | 28.25 | E1197/8NO3 |
| 7/8 | 14 | 30.20 | 90 | 22 | 22.0 | 18.0 | 6 | 28.25 | E1197/8NO9 |
| 1" | 11 | 33.25 | 100 | 25 | 25.0 | 20.0 | 6 | 30.75 | E1191NO3 |
| 1" | 11 | 33.25 | 100 | 25 | 25.0 | 20.0 | 6 | 30.75 | E1191NO9 |
| 1.1/8 | 11 | 37.90 | 125 | 40 | 28.0 | 22.0 | 6 | 35 | E1191.1/8NO3 |
| 1.1/8 | 11 | 37.90 | 125 | 40 | 28.0 | 22.0 | 6 | 35 | E1191.1/8NO9 |
| 1.1/4 | 11 | 41.91 | 125 | 40 | 32.0 | 24.0 | 6 | 39.5 | E1191.1/4NO3 |
| 1.1/4 | 11 | 41.91 | 125 | 40 | 32.0 | 24.0 | 6 | 39.5 | E1191.1/4NO9 |
| 1.1/2 | 11 | 47.80 | 140 | 40 | 36.0 | 29.0 | 6 | 45 | E1191.1/2NO3 |
| 1.1/2 | 11 | 47.80 | 140 | 40 | 36.0 | 29.0 | 6 | 45 | E1191.1/2NO9 |
| 1.3/4 | 11 | 53.75 | 140 | 40 | 40.0 | 32.0 | 6 | 51 | E1191.3/4NO3 |
| 1.3/4 | 11 | 53.75 | 140 | 40 | 40.0 | 32.0 | 6 | 51 | E1191.3/4NO9 |
| 2" | 11 | 59.61 | 160 | 40 | 45.0 | 35.0 | 6 | 57 | E1192NO3 |
| 2" | 11 | 59.61 | 160 | 40 | 45.0 | 35.0 | 6 | 57 | E1192NO9 |
| 2.1/4 | 11 | 65.71 | 160 | 40 | 50.0 | 39.0 | 6 | 63 | E1192.1/4NO3 |
| 2.1/4 | 11 | 65.71 | 160 | 40 | 50.0 | 39.0 | 6 | 63 | E1192.1/4NO9 |
| 2.1/2 | 11 | 75.18 | 160 | 40 | 50.0 | 39.0 | 6 | 72.5 | E1192.1/2NO3 |
| 2.1/2 | 11 | 75.18 | 160 | 40 | 50.0 | 39.0 | 6 | 72.5 | E1192.1/2NO9 |
| 2.3/4 | 11 | 81.53 | 160 | 40 | 50.0 | 39.0 | 8 | 79 | E1192.3/4NO3 |
| 2.3/4 | 11 | 81.53 | 160 | 40 | 50.0 | 39.0 | 8 | 79 | E1192.3/4NO9 |
| 3" | 11 | 87.88 | 160 | 40 | 50.0 | 39.0 | 8 | 85.5 | E1193NO3 |
| 3" | 11 | 87.88 | 160 | 40 | 50.0 | 39.0 | 8 | 85.5 | E1193NO9 |

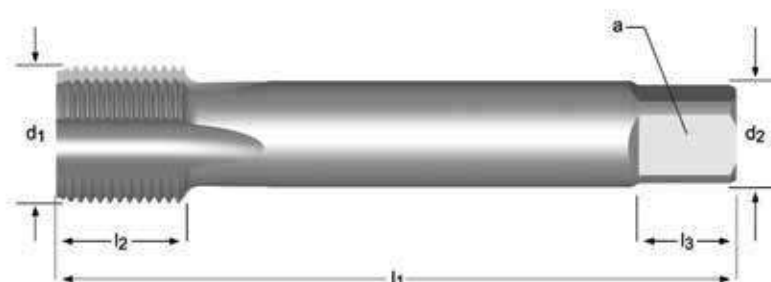
E282

- G(BSP) strojní závitník
- G(BSP) Машинные метчики с прямой стружечной канавкой
- G(BSP) Gwintownik maszynowy, prosty rowek wiórowy
- G(BSP) Strojový závitník

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodávané v HSS-E

E282 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2

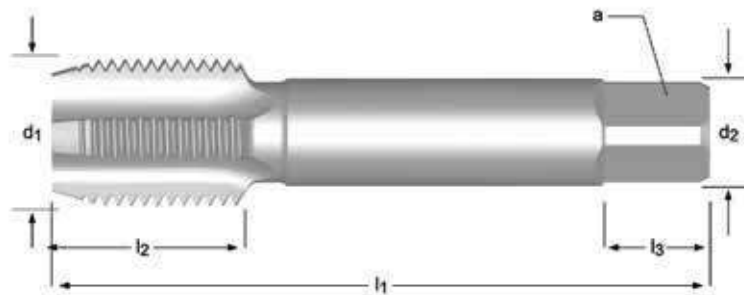
E282 **G** **DIN 5156** Normal **1.5XD** **HSS-E PM** **C 2-3**




| G(BSP) | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z | | E282 |
|--------|-----|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|-------|-------------------------|
| 1/8 | 28 | 9.73 | 90 | 20 | 7.0 | 5.5 | 8 | 3 | 8.8 | E2821/8 |
| 1/4 | 19 | 13.16 | 100 | 21 | 11.0 | 9.0 | 12 | 4 | 11.8 | E2821/4 |
| 3/8 | 19 | 16.66 | 100 | 21 | 12.0 | 9.0 | 12 | 4 | 15.25 | E2823/8 |
| 1/2 | 14 | 20.96 | 125 | 24 | 16.0 | 12.0 | 15 | 4 | 19.0 | E2821/2 |
| 3/4 | 14 | 26.44 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 24.5 | E2823/4 |
| 1" | 11 | 33.25 | 160 | 30 | 25.0 | 20.0 | 23 | 4 | 30.75 | E2821 |
| 1.1/4 | 11 | 41.91 | 170 | 30 | 32.0 | 24.0 | 27 | 4 | 39.5 | E2821.1/4 ¹⁾ |
| 1.1/2 | 11 | 47.80 | 190 | 32 | 36.0 | 29.0 | 32 | 6 | 45.0 | E2821.1/2 ¹⁾ |

- E547**
- G(BSP) strojní závitník
 - G(BSP) Машинные метчики с прямой стружечной канавкой
 - G(BSP) Gwintownik maszynowy, prosty rowek wiórowy
 - G(BSP) Strojový závitník

E547 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3



| G(BSP) | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∇ a mm | l ₃ mm | z |  | E547 |
|--------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|--|--------------|
| 1/8 | 28 | 9.728 | 59 | 15 | 8.0 | 8.0 | 9 | 4 | 8.8 | E5471/8NO1 |
| 1/8 | 28 | 9.728 | 59 | 15 | 8.0 | 6.3 | 9 | 4 | 8.8 | E5471/8NO2 |
| 1/8 | 28 | 9.728 | 59 | 15 | 8.0 | 6.3 | 9 | 4 | 8.8 | E5471/8NO3 |
| 1/8 | 28 | 9.728 | 59 | 15 | 8.0 | 6.3 | 9 | 4 | 8.8 | E5471/8NO7 |
| 1/4 | 19 | 13.157 | 67 | 19 | 10.0 | 8.0 | 11 | 4 | 11.8 | E5471/4NO1 |
| 1/4 | 19 | 13.157 | 67 | 19 | 10.0 | 8.0 | 11 | 4 | 11.8 | E5471/4NO2 |
| 1/4 | 19 | 13.157 | 67 | 19 | 10.0 | 8.0 | 11 | 4 | 11.8 | E5471/4NO3 |
| 1/4 | 19 | 13.157 | 67 | 19 | 10.0 | 8.0 | 11 | 4 | 11.8 | E5471/4NO7 |
| 3/8 | 19 | 16.662 | 75 | 21 | 12.5 | 10.0 | 13 | 4 | 15.25 | E5473/8NO1 |
| 3/8 | 19 | 16.662 | 75 | 21 | 12.5 | 10.0 | 13 | 4 | 15.25 | E5473/8NO2 |
| 3/8 | 19 | 16.662 | 75 | 21 | 12.5 | 10.0 | 13 | 4 | 15.25 | E5473/8NO3 |
| 3/8 | 19 | 16.662 | 75 | 21 | 12.5 | 10.0 | 13 | 4 | 15.25 | E5473/8NO7 |
| 1/2 | 14 | 20.955 | 87 | 26 | 16.0 | 12.5 | 16 | 4 | 19 | E5471/2NO1 |
| 1/2 | 14 | 20.955 | 87 | 26 | 16.0 | 12.5 | 16 | 4 | 19 | E5471/2NO2 |
| 1/2 | 14 | 20.955 | 87 | 26 | 16.0 | 12.5 | 16 | 4 | 19 | E5471/2NO3 |
| 1/2 | 14 | 20.955 | 87 | 26 | 16.0 | 12.5 | 16 | 4 | 19 | E5471/2NO7 |
| 5/8 | 14 | 22.911 | 91 | 26 | 18.0 | 14.0 | 18 | 4 | 21 | E5475/8NO1 |
| 5/8 | 14 | 22.911 | 91 | 26 | 18.0 | 14.0 | 18 | 4 | 21 | E5475/8NO2 |
| 5/8 | 14 | 22.911 | 91 | 26 | 18.0 | 14.0 | 18 | 4 | 21 | E5475/8NO3 |
| 5/8 | 14 | 22.911 | 91 | 26 | 18.0 | 14.0 | 18 | 4 | 21 | E5475/8NO7 |
| 3/4 | 14 | 26.441 | 96 | 28 | 20.0 | 16.0 | 20 | 4 | 24.5 | E5473/4NO1 |
| 3/4 | 14 | 26.441 | 96 | 28 | 20.0 | 16.0 | 20 | 4 | 24.5 | E5473/4NO2 |
| 3/4 | 14 | 26.441 | 96 | 28 | 20.0 | 16.0 | 20 | 4 | 24.5 | E5473/4NO3 |
| 3/4 | 14 | 26.441 | 96 | 28 | 20.0 | 16.0 | 20 | 4 | 24.5 | E5473/4NO7 |
| 7/8 | 14 | 30.201 | 102 | 29 | 22.4 | 18.0 | 22 | 4 | 28.25 | E5477/8NO1 |
| 7/8 | 14 | 30.201 | 102 | 29 | 22.4 | 18.0 | 22 | 4 | 28.25 | E5477/8NO2 |
| 7/8 | 14 | 30.201 | 102 | 29 | 22.4 | 18.0 | 22 | 4 | 28.25 | E5477/8NO3 |
| 1" | 11 | 33.249 | 109 | 33 | 25.0 | 20.0 | 24 | 4 | 30.75 | E5471NO1 |
| 1" | 11 | 33.249 | 109 | 33 | 25.0 | 20.0 | 24 | 4 | 30.75 | E5471NO2 |
| 1" | 11 | 33.249 | 109 | 33 | 25.0 | 20.0 | 24 | 4 | 30.75 | E5471NO3 |
| 1.1/4 | 11 | 41.910 | 119 | 36 | 31.5 | 25.0 | 28 | 6 | 39.5 | E5471.1/4NO1 |
| 1.1/4 | 11 | 41.910 | 119 | 36 | 31.5 | 25.0 | 28 | 6 | 39.5 | E5471.1/4NO2 |
| 1.1/4 | 11 | 41.910 | 119 | 36 | 31.5 | 25.0 | 28 | 6 | 39.5 | E5471.1/4NO3 |
| 1.1/2 | 11 | 47.803 | 125 | 37 | 35.5 | 28.0 | 31 | 6 | 45 | E5471.1/2NO1 |
| 1.1/2 | 11 | 47.803 | 125 | 37 | 35.5 | 28.0 | 31 | 6 | 45 | E5471.1/2NO2 |
| 1.1/2 | 11 | 47.803 | 125 | 37 | 35.5 | 28.0 | 31 | 6 | 45 | E5471.1/2NO3 |
| 2" | 11 | 59.614 | 140 | 41 | 40.0 | 31.5 | 34 | 6 | 57 | E5472NO1 |
| 2" | 11 | 59.614 | 140 | 41 | 40.0 | 31.5 | 34 | 6 | 57 | E5472NO2 |
| 2" | 11 | 59.614 | 140 | 41 | 40.0 | 31.5 | 34 | 6 | 57 | E5472NO3 |

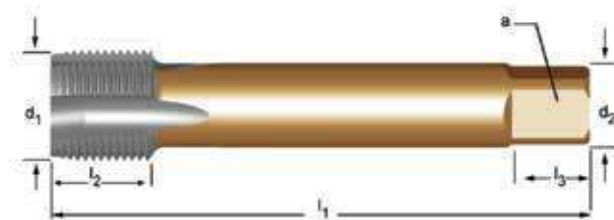
EP40 EP41

- G(BSP) strojní závitník, přímá drážka, lamač
- G(BSP) Машинные метчики с подточкой по заборному конусу
- G(BSP) Gwintownik maszynowy prosty
- G(BSP) Strojový závitník, priama drážka s lamačom triesok

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| EP40 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 6.1 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 | |
| | • | 1.6 | 3.1 | 3.2 | 3.3 | 3.4 | 4.1 | 4.2 | 5.1 | 5.2 | 6.2 | 8.1 | |
| EP41 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | | | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 | | | | |

| | | | | | | | | | | | |
|------|---|----------|--------|--|-------|----------|---------|--|--|----|--|
| EP40 | G | DIN 5156 | Normal | | 2.5XD | HSS-E PM | B 3.5-5 | | | | |
| EP41 | G | DIN 5156 | Normal | | 2.5XD | HSS-E PM | B 3.5-5 | | | ST | |



| G(BSP) | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∇ a mm | l ₃ mm | z | | EP40 | EP41 |
|--------|-----|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|-------|---------|---------|
| 1/8 | 28 | 9.728 | 90 | 18 | 7.0 | 5.5 | 8 | 3 | 8.8 | EP401/8 | EP411/8 |
| 1/4 | 19 | 13.157 | 100 | 21 | 11.0 | 9.0 | 12 | 3 | 11.8 | EP401/4 | EP411/4 |
| 3/8 | 19 | 16.662 | 100 | 21 | 12.0 | 9.0 | 12 | 4 | 15.25 | EP403/8 | EP413/8 |
| 1/2 | 14 | 20.955 | 125 | 24 | 16.0 | 12.0 | 15 | 4 | 19.0 | EP401/2 | EP411/2 |
| 5/8 | 14 | 22.911 | 125 | 24 | 18.0 | 14.5 | 17 | 4 | 21 | EP405/8 | EP415/8 |
| 3/4 | 14 | 26.441 | 140 | 28 | 20.0 | 16.0 | 19 | 4 | 24.5 | EP403/4 | EP413/4 |
| 7/8 | 14 | 30.201 | 150 | 28 | 22.0 | 18.0 | 21 | 4 | 28.25 | EP407/8 | EP417/8 |
| 1" | 11 | 33.249 | 160 | 30 | 25.0 | 20.0 | 23 | 4 | 30.75 | EP401 | EP411 |

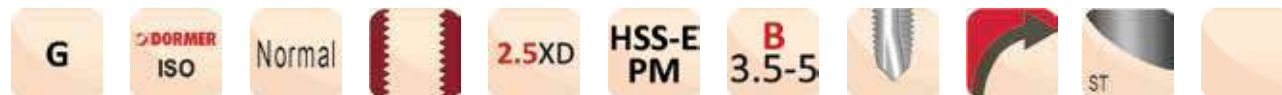
E041

- G(BSP) strojní závitník, přímá drážka, lamač
- G(BSP) Машинные метчики с подточкой по заборному конусу
- G(BSP) Gwintownik maszynowy prosty
- G(BSP) Strojový závitník, priama drážka s lamačom triesok

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodawane w HSS-E

| | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|
| E041 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | | | |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | 3.1 | 3.2 | 3.3 | 3.4 |

E041



E041



1/8 - 3/4

| G(BSP) | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | E041 |
|--------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|-------|---------|
| 1/8 | 28 | 9.728 | 90 | 15 | 8.0 | 6.3 | 9 | 3 | 8.80 | E0411/8 |
| 1/4 | 19 | 13.157 | 100 | 19 | 10.0 | 8.0 | 11 | 3 | 11.80 | E0411/4 |
| 3/8 | 19 | 16.662 | 100 | 21 | 12.5 | 10.0 | 13 | 3 | 15.25 | E0413/8 |
| 1/2 | 14 | 20.955 | 125 | 26 | 16.0 | 12.5 | 16 | 4 | 19.00 | E0411/2 |
| 3/4 | 14 | 26.441 | 140 | 28 | 20.0 | 16.0 | 20 | 4 | 24.50 | E0413/4 |

EX40 EX41

- G(BSP) strojní závitník, šroubovice 45°
- G(BSP) Машинные метчики со спиральной стружечной канавкой 45°
- G(BSP) Gwintownik maszynowy skrętny 45°
- G(BSP) Strojový závitník, skrutkovica 45°

Do vyprodání skladu dodáváno v HSS-E

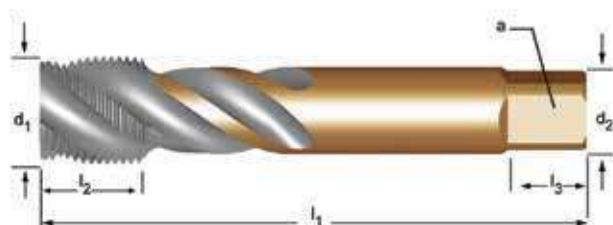
HSS-E до складирования новой продукции

Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E

Do vypredania skladu dodávané v HSS-E

| | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| EX40 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 7.1 | 7.2 | 7.3 | 7.4 |
| | • | 4.1 | 4.2 | 5.1 | 5.2 | 8.1 | | | | |
| EX41 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 2.1 | 2.2 | | |
| | • | 2.3 | | | | | | | | |

| | | | | | | | | | | | |
|------|---|----------|--------|--|-------|----------|-------|--------------------|--|----|--|
| EX40 | G | DIN 5156 | Normal | | 2.5XD | HSS-E PM | C 2-3 | $\lambda 45^\circ$ | | | |
| EX41 | G | DIN 5156 | Normal | | 2.5XD | HSS-E PM | C 2-3 | $\lambda 45^\circ$ | | ST | |



| G(BSP) | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | EX40 | EX41 |
|--------|-----|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|-------|-----------|-------------------------|
| 1/8 | 28 | 9.728 | 90 | 13 | 7.0 | 5.5 | 8 | 3 | 8.8 | EX401/8 | EX411/8 |
| 1/4 | 19 | 13.157 | 100 | 15 | 11.0 | 9.0 | 12 | 3 | 11.8 | EX401/4 | EX411/4 |
| 3/8 | 19 | 16.662 | 100 | 15 | 12.0 | 9.0 | 12 | 4 | 15.25 | EX403/8 | EX413/8 |
| 1/2 | 14 | 20.955 | 125 | 18 | 16.0 | 12.0 | 15 | 4 | 19.0 | EX401/2 | EX411/2 |
| 5/8 | 14 | 22.911 | 125 | 18 | 18.0 | 14.5 | 17 | 4 | 21 | EX405/8 | EX415/8 |
| 3/4 | 14 | 26.441 | 140 | 20 | 20.0 | 16.0 | 19 | 4 | 24.5 | EX403/4 | EX413/4 |
| 7/8 | 14 | 30.201 | 150 | 20 | 22.0 | 18.0 | 21 | 4 | 28.25 | EX407/8 | EX417/8 |
| 1" | 11 | 33.249 | 160 | 22 | 25.0 | 20.0 | 23 | 4 | 30.75 | EX401 | EX411 |
| 1.1/8 | 11 | 37.897 | 170 | 22 | 28.0 | 22.0 | 25 | 4 | 35 | EX401.1/8 | EX411.1/8 |
| 1.1/4 | 11 | 41.910 | 170 | 22 | 32.0 | 24.0 | 27 | 4 | 39.5 | EX401.1/4 | ¹⁾ EX411.1/4 |
| 1.1/2 | 11 | 47.803 | 190 | 23 | 36.0 | 29.0 | 32 | 4 | 45 | EX401.1/2 | ¹⁾ EX411.1/2 |

E382

- G(BSP) strojní závitník, šroubovice 40°, modrý Shark
- G(BSP) Машинные метчики со спиральной стружечной канавкой 40°, Blue Shark
- G(BSP) Gwintownik maszynowy skrętny 40° niebieski Shark
- G(BSP) Strojový závitník, skrutkovica 40°, modrý Shark

E382 ■ 2.1 2.2 2.3
 • 1.5

E382 **G** **DIN 5156** Normal **2XD** **HSS-E PM** **C 2-3** **λ40°** **ST**



E382



SHARK LINE

1/8 - 1"

| G(BSP) | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z | | E382 |
|--------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|-------|---------|
| 1/8 | 28 | 9.73 | 90 | 12 | 7.0 | 5.5 | 8 | 3 | 8.8 | E3821/8 |
| 1/4 | 19 | 13.16 | 100 | 15 | 11.0 | 9.0 | 12 | 4 | 11.8 | E3821/4 |
| 3/8 | 19 | 16.66 | 100 | 15 | 12.0 | 9.0 | 12 | 4 | 15.25 | E3823/8 |
| 1/2 | 14 | 20.96 | 125 | 24 | 16.0 | 12.0 | 15 | 4 | 19.0 | E3821/2 |
| 3/4 | 14 | 26.44 | 140 | 20 | 20.0 | 16.0 | 19 | 4 | 24.5 | E3823/4 |
| 1" | 11 | 33.25 | 160 | 24 | 25.0 | 20.0 | 23 | 4 | 30.75 | E3821 |

E043

- G(BSP) strojní závitník, šroubovice 45°
- G(BSP) Машинные метчики со спиральной стружечной канавкой 45°
- G(BSP) Gwintownik maszynowy skrętny 45°
- G(BSP) Strojový závitník, skrutkovica 45°

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodawane v HSS-E

| | | | | | | |
|------|---|-----|-----|-----|-----|-----|
| E043 | ▪ | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 |
| | • | 1.6 | 2.1 | 2.2 | 2.3 | |

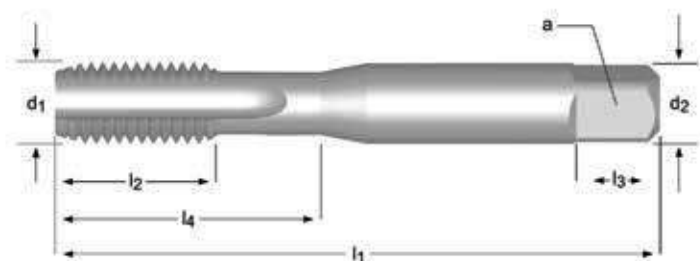
E043 **G** **Normal** **HSS-E PM** **C 2-3**



| G(BSP) | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z | | E043 |
|--------|-----|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|-------|---------|
| 1/8 | 28 | 9.728 | 90 | 15 | 8.0 | 6.3 | 9 | 3 | 8.80 | E0431/8 |
| 1/4 | 19 | 13.157 | 100 | 19 | 10.0 | 8.0 | 11 | 3 | 11.80 | E0431/4 |
| 3/8 | 19 | 16.662 | 100 | 21 | 12.5 | 10.0 | 13 | 4 | 15.25 | E0433/8 |
| 1/2 | 14 | 20.955 | 125 | 26 | 16.0 | 12.5 | 16 | 4 | 19.00 | E0431/2 |
| 3/4 | 14 | 26.441 | 140 | 28 | 20.0 | 16.0 | 20 | 4 | 24.50 | E0433/4 |

- E620**
- EGM strojní závitník
 - EGM Машинные метчики с прямой стружечной канавкой
 - EGM Gwintownik maszynowy, prosty rowek wiórowy
 - EGM Strojový závitník

E620 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 3.4 6.1 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3



E620



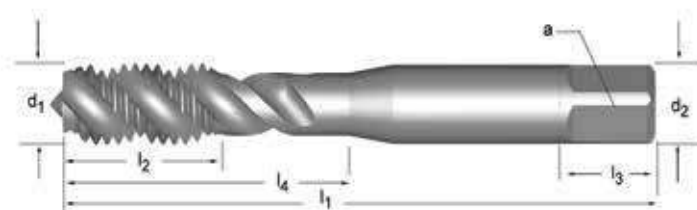
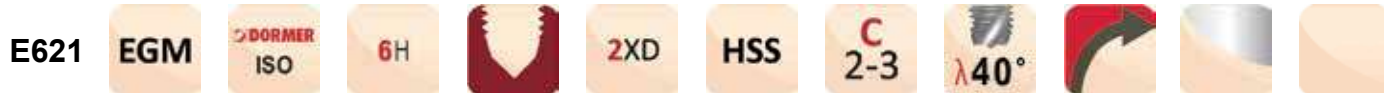
M3 - M16

| M | P mm | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | ∠ a mm | l ₃ mm | z | ↔ | l ₄ mm | E620 |
|----|------|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|---------|
| 3 | 0.50 | 3.65 | 53 | 14 | 4.0 | 3.15 | 6 | 3 | 3.2 | 14 | E620M3 |
| 4 | 0.70 | 4.91 | 58 | 11 | 5.0 | 4.00 | 7 | 3 | 4.2 | 20 | E620M4 |
| 5 | 0.80 | 6.04 | 66 | 13 | 6.3 | 5.00 | 8 | 3 | 5.2 | 26 | E620M5 |
| 6 | 1.00 | 7.30 | 72 | 16 | 8.0 | 6.30 | 9 | 3 | 6.3 | 29 | E620M6 |
| 8 | 1.25 | 9.62 | 80 | 18 | 10.0 | 8.00 | 11 | 3 | 8.4 | 32 | E620M8 |
| 10 | 1.50 | 11.95 | 89 | 22 | 9.0 | 7.10 | 10 | 3 | 10.5 | - | E620M10 |
| 12 | 1.75 | 14.27 | 95 | 24 | 11.2 | 9.00 | 12 | 4 | 12.5 | - | E620M12 |
| 14 | 2.00 | 16.60 | 112 | 29 | 14.0 | 11.20 | 14 | 4 | 14.5 | - | E620M14 |
| 16 | 2.00 | 18.60 | 112 | 29 | 14.0 | 11.20 | 14 | 4 | 16.5 | - | E620M16 |

E621

- EGM strojní závitník, šroubovice 40°
- EGM Машинные метчики со спиральной стружечной канавкой 40°
- EGM Gwintownik maszynowy skrętny 40°
- EGM Strojový závitník, skrutkovica 40°

E621 • 1.2 1.3 1.4 1.5 2.1 2.2 2.3 5.2 7.1 7.2 7.3 7.4



E621



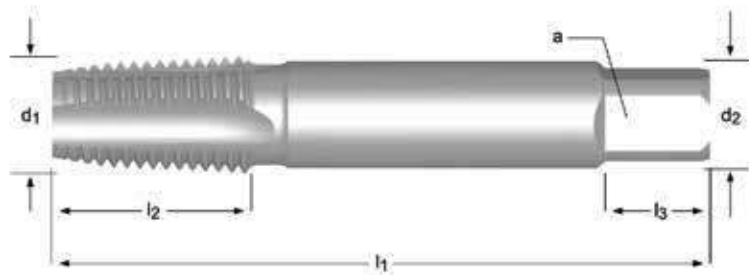
M3 - M16

| M | P mm | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | ↔ | l ₄ mm | E621 |
|----|------|-----------------------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------------|---------|
| 3 | 0.50 | 3.65 | 53 | 14 | 4.00 | 3.15 | 6 | 3 | 3.2 | 14 | E621M3 |
| 4 | 0.70 | 4.91 | 58 | 11 | 5.00 | 4.00 | 7 | 3 | 4.2 | 20 | E621M4 |
| 5 | 0.80 | 6.04 | 66 | 13 | 6.30 | 5.00 | 8 | 3 | 5.2 | 26 | E621M5 |
| 6 | 1.00 | 7.3 | 72 | 16 | 8.00 | 6.30 | 9 | 3 | 6.3 | 31 | E621M6 |
| 8 | 1.25 | 9.62 | 80 | 18 | 10.00 | 8.00 | 11 | 3 | 8.4 | 34 | E621M8 |
| 10 | 1.50 | 11.95 | 89 | 22 | 9.00 | 7.10 | 10 | 3 | 10.5 | - | E621M10 |
| 12 | 1.75 | 14.27 | 95 | 24 | 11.20 | 9.00 | 12 | 3 | 12.5 | - | E621M12 |
| 14 | 2.00 | 16.6 | 112 | 29 | 14.00 | 11.20 | 14 | 3 | 14.5 | - | E621M14 |
| 16 | 2.00 | 18.6 | 112 | 29 | 14.00 | 11.20 | 14 | 3 | 16.5 | - | E621M16 |

- E550**
- Rc strojní závitník
 - Rc Машинные метчики с прямой стружечной канавкой
 - Rc Gwintownik maszynowy, prosty rowek wiórowy
 - Rc Strojový závitník

E550 ■ 3.1 3.2 3.3 3.4 6.1
 • 1.1 1.2 1.3 1.4 1.5 1.6 2.1 2.2 2.3 6.2 6.3 6.4 7.2 7.3 7.4 8.2 8.3

E550 Rc ISO 2284 Normal 1.5XD HSS C 2-3



| Rc | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | ↔ | E550 |
|-------|-----|-----------------------------|----------------------|----------------------|---------------------------|---------|----------------------|---|-------|------------|
| 1/8 | 28 | 9.728 | 59 | 15 | 8.0 | 6.3 | 9 | 3 | 8.4 | E5501/8 |
| 1/8 | 28 | 9.728 | 59 | 15 | 8.0 | 6.3 | 9 | 3 | 8.4 | E5501/8NO7 |
| 1/4 | 19 | 13.157 | 67 | 19 | 10.0 | 8.0 | 11 | 3 | 11.2 | E5501/4 |
| 1/4 | 19 | 13.157 | 67 | 19 | 10.0 | 8.0 | 11 | 3 | 11.2 | E5501/4NO7 |
| 3/8 | 19 | 16.662 | 75 | 21 | 12.5 | 10.0 | 13 | 3 | 14.75 | E5503/8 |
| 3/8 | 19 | 16.662 | 75 | 21 | 12.5 | 10.0 | 13 | 3 | 14.75 | E5503/8NO7 |
| 1/2 | 14 | 20.955 | 87 | 26 | 16.0 | 12.5 | 16 | 5 | 18.25 | E5501/2 |
| 1/2 | 14 | 20.955 | 87 | 26 | 16.0 | 12.5 | 16 | 5 | 18.25 | E5501/2NO7 |
| 3/4 | 14 | 26.441 | 96 | 28 | 20.0 | 16.0 | 20 | 5 | 23.75 | E5503/4 |
| 3/4 | 14 | 26.441 | 96 | 28 | 20.0 | 16.0 | 20 | 5 | 23.75 | E5503/4NO7 |
| 1" | 11 | 33.249 | 109 | 33 | 25.0 | 20.0 | 24 | 5 | 30 | E5501 |
| 1.1/4 | 11 | 41.910 | 119 | 36 | 31.5 | 25.0 | 28 | 5 | 38.5 | E5501.1/4 |
| 1.1/2 | 11 | 47.803 | 125 | 37 | 35.5 | 28.0 | 31 | 7 | 44.5 | E5501.1/2 |
| 2" | 11 | 59.614 | 140 | 41 | 40.0 | 31.5 | 34 | 7 | 56 | E5502 |

NO1 - NO9
219

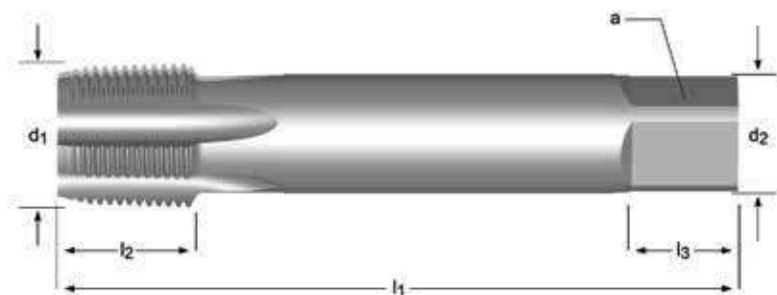
E714

- NPT strojní závitník
- NPT Машинные метчики с прямой стружечной канавкой
- NPT Gwintowniki maszynowe, prosty rowek wiórowy
- NPT Strojový závitník

Do vyprodání skladu dodáváno v HSS-E
HSS-E до складирования новой продукции
Do wyczerpania obecnych zapasów magazynowych dostepny ze stali HSS-E
Do vypredania skladu dodávané v HSS-E

E714 ■ 1.3 1.4
• 1.1 1.2 1.5 3.1 3.2 3.3 3.4 6.2 7.3 7.4 8.1

E714 NPT DORMER ANSI Normal 1.5XD HSS-E PM C 2-3

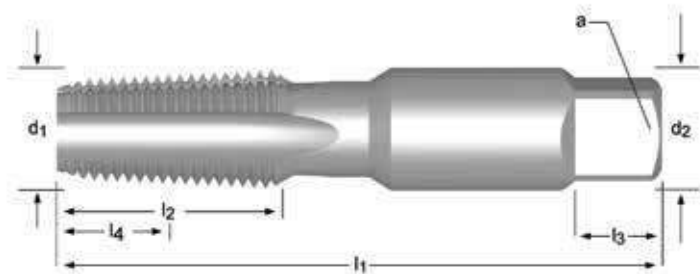


| NPT | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | a mm | l ₃ mm | z | ↔ | E714 |
|-----|------|-----------------------------|----------------------|----------------------|---------------------------|---------|----------------------|---|------|---------|
| 1/8 | 27 | 10.23 | 90 | 14 | 11.0 | 9.0 | 12 | 3 | 8.5 | E7141/8 |
| 1/4 | 18 | 13.60 | 100 | 20 | 14.0 | 11.0 | 14 | 3 | 11 | E7141/4 |
| 3/8 | 18 | 17.04 | 110 | 20 | 16.0 | 12.0 | 15 | 4 | 14.5 | E7143/8 |
| 1/2 | 14 | 21.20 | 125 | 26 | 18.0 | 14.5 | 17 | 4 | 18 | E7141/2 |
| 3/4 | 14 | 26.54 | 140 | 26 | 22.0 | 18.0 | 21 | 5 | 23 | E7143/4 |
| 1" | 11.5 | 33.20 | 150 | 31 | 28.0 | 22.0 | 25 | 5 | 29 | E7141 |

- E710** • NPT strojní závitník
 • NPT Машинные метчики с прямой стружечной канавкой
- E721** • NPT Gwintowniki maszynowe, prosty rowek wiórowy
 • NPT Strojový závitník

| | | | | | | | | | | | | | | |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E710 | • | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 3.1 | 3.2 | 3.3 | 3.4 | 6.2 | 7.3 | 7.4 | 8.1 |
| E721 | ▪ | 1.3 | 1.4 | 3.1 | 3.2 | 3.3 | 3.4 | | | | | | | |
| | • | 1.1 | 1.2 | 1.5 | 6.2 | 7.3 | 7.4 | 8.1 | | | | | | |

| | | | | | | | | | | | |
|------|-----|------------|--------|--|-------|-----|-------|--|--|-----|--|
| E710 | NPT | ANSI B94.9 | Normal | | 1.5XD | HSS | C 2-3 | | | | |
| E721 | NPT | ANSI B94.9 | Normal | | 1.5XD | HSS | C 2-3 | | | TIN | |



| NPT | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | l ₄ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | E710 | E721 |
|-------|------|-----------------------|-------------------|-------------------|-------------------|---------------------|--------|-------------------|---|------|-------------|---------|
| 1/16 | 27 | 7.94 | 65 | 17 | 11.7 | 8.1 | 6.0 | 8 | 4 | 6.3 | E7101/16NO3 | |
| 1/8 | 27 | 10.29 | 70 | 19 | 11.9 | 11.1 | 8.3 | 10 | 4 | 8.5 | E7101/8 | E7211/8 |
| 1/8 | 27 | 10.29 | 70 | 19 | 11.9 | 11.1 | 8.3 | 10 | 4 | 8.5 | E7101/8NO7 | |
| 1/4 | 18 | 13.72 | 75 | 27 | 17.6 | 14.3 | 10.7 | 11 | 4 | 11.0 | E7101/4 | E7211/4 |
| 1/4 | 18 | 13.72 | 75 | 27 | 17.6 | 14.3 | 10.7 | 11 | 4 | 11.0 | E7101/4NO7 | |
| 3/8 | 18 | 17.15 | 80 | 27 | 19.5 | 17.8 | 13.5 | 13 | 4 | 14.5 | E7103/8 | E7213/8 |
| 3/8 | 18 | 17.15 | 80 | 27 | 19.5 | 17.8 | 13.5 | 13 | 4 | 14.5 | E7103/8NO7 | |
| 1/2 | 14 | 21.34 | 100 | 35 | 22.7 | 17.5 | 13.1 | 16 | 4 | 18.0 | E7101/2 | E7211/2 |
| 1/2 | 14 | 21.34 | 100 | 35 | 22.7 | 17.5 | 13.1 | 16 | 4 | 18.0 | E7101/2NO7 | |
| 3/4 | 14 | 26.67 | 105 | 35 | 24.4 | 23.0 | 17.2 | 17 | 5 | 23.0 | E7103/4 | E7213/4 |
| 3/4 | 14 | 26.67 | 105 | 35 | 24.4 | 23.0 | 17.2 | 17 | 5 | 23.0 | E7103/4NO7 | |
| 1" | 11.5 | 33.40 | 115 | 43 | 29.4 | 28.6 | 21.4 | 21 | 5 | 29.0 | E7101 | E7211 |
| 1.1/4 | 11.5 | 42.16 | 125 | 43 | 27.7 | 33.3 | 25.0 | 24 | 5 | 38.0 | E7101.1/4 | |
| 1.1/2 | 11.5 | 48.26 | 135 | 43 | 28.9 | 38.1 | 28.6 | 25 | 7 | 44.0 | E7101.1/2 | |
| 2" | 11.5 | 60.33 | 145 | 43 | 26.6 | 47.6 | 35.7 | 29 | 7 | 56.0 | E7102 | |

NO1 - NO9

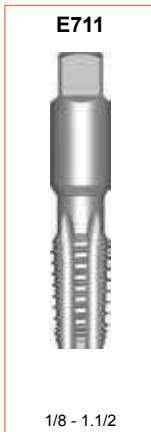
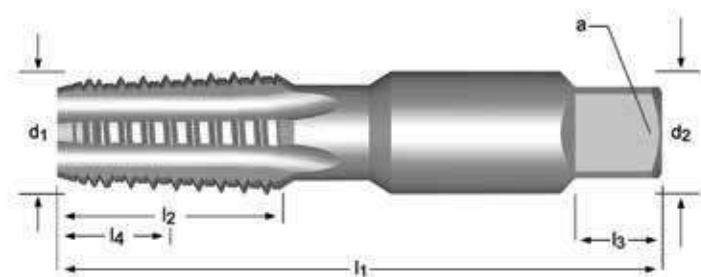
 219

E711

- NPT strojní závitník, přerušováný
- NPT Машинные метчики с шахматным расположением зубьев
- NPT Gwintownik maszynowy z przerywanym nakrojem, prosty rowek wiórowy
- NPT Strojový závitník, prerušováný

E711 ■ 1.3 1.4
 • 1.1 1.2 1.5 3.1 3.2 3.3 3.4 6.2 7.3 7.4 8.1

E711 NPT ANSI B94.9 Normal 1.5XD HSS C 2-3



| NPT | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | l ₄ mm | d ₂ ∅ mm | ∟ a mm | l ₃ mm | z | | E711 |
|-------|------|-----------------------------|----------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|-----------|
| 1/8 | 27 | 10.29 | 70 | 19 | 11.9 | 11.1 | 8.3 | 10 | 5 | 8.5 | E7111/8 |
| 1/4 | 18 | 13.72 | 75 | 27 | 17.6 | 14.3 | 10.7 | 11 | 5 | 11.0 | E7111/4 |
| 3/8 | 18 | 17.15 | 80 | 27 | 19.5 | 17.8 | 13.5 | 13 | 5 | 14.5 | E7113/8 |
| 1/2 | 14 | 21.33 | 100 | 35 | 22.7 | 17.5 | 13.1 | 16 | 5 | 18.0 | E7111/2 |
| 3/4 | 14 | 26.67 | 105 | 35 | 24.4 | 23.0 | 17.2 | 17 | 5 | 23.0 | E7113/4 |
| 1" | 11.5 | 33.40 | 115 | 43 | 29.4 | 28.6 | 21.4 | 21 | 5 | 29.0 | E7111 |
| 1.1/2 | 11.5 | 48.26 | 135 | 43 | 28.9 | 38.1 | 28.6 | 25 | 7 | 44.0 | E7111.1/2 |

E653

- NPT Závitník kombi
- NPT Комбинированные метчики со спиральной стружечной канавкой 27°
- NPT Wiertło/gwintownik skrętny 27°
- NPT Závitník kombinovaný, špirálový 27°

E653 • 1.1 1.2 1.3 1.4 3.2 6.2 6.3 7.1 7.2 8.1

E653

NPT

ANSI

Normal



1.5XD

HSS



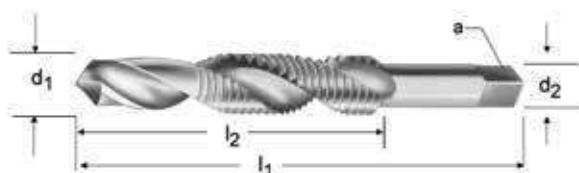
λ 27°



E653



1/8 - 1"



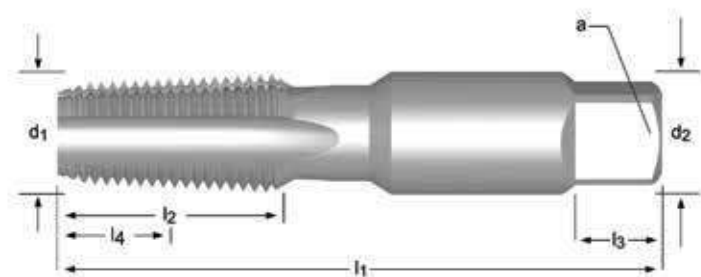
| NPT | TPI | d ₁ nom Inch | l ₁ Inch | l ₂ Inch | d ₂ ∅ Inch | ∇ a Inch | z | E653 |
|-----|------|-------------------------------|------------------------|------------------------|-----------------------------|----------------|---|---------|
| 1/8 | 27 | 0.3346 | 2.7/8 | 3/4 | 0.4370 | 0.3280 | 2 | E6531/8 |
| 1/4 | 18 | 0.4331 | 3.5/16 | 1.1/16 | 0.5620 | 0.4210 | 2 | E6531/4 |
| 3/8 | 18 | 0.5709 | 3.1/2 | 1.1/16 | 0.7000 | 0.5310 | 2 | E6533/8 |
| 1/2 | 14 | 0.7087 | 4.3/8 | 1.3/8 | 0.6870 | 0.5150 | 2 | E6531/2 |
| 3/4 | 14 | 0.9055 | 4.9/16 | 1.3/8 | 0.9060 | 0.6790 | 2 | E6533/4 |
| 1" | 11.5 | 1.1417 | 5.3/8 | 1.3/4 | 1.1250 | 0.8430 | 2 | E6531 |

E712

- NPTF Závítník strojní
- NPTF Машинные метчики с прямой стружечной канавкой
- NPTF Gwintownik maszynowy, prosty rowek wiórowy
- NPTF Strojový závitník

E712 ■ 1.3 1.4
 • 1.1 1.2 1.5 3.1 3.2 3.3 3.4 6.2 7.3 7.4 8.1

E712 NPTF ANSI B94.9 Normal 1.5XD HSS C 2-3

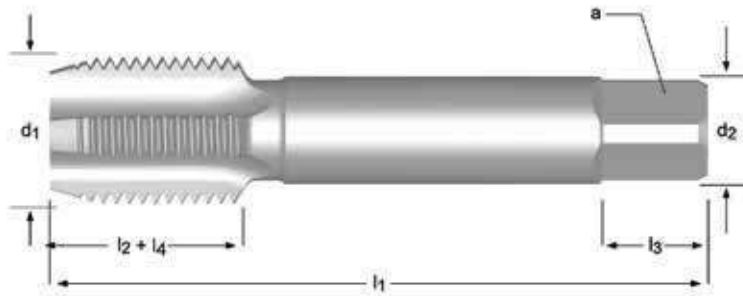


| NPTF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | l ₄ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z | | E712 |
|-------|------|-----------------------------|----------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|-------|-----------|
| 1/16 | 27 | 7.94 | 65 | 17 | 11.7 | 8.1 | 6.0 | 8 | 4 | 6.20 | E7121/16 |
| 1/8 | 27 | 10.29 | 70 | 19 | 11.9 | 11.1 | 8.3 | 10 | 4 | 8.40 | E7121/8 |
| 1/4 | 18 | 13.72 | 75 | 27 | 17.6 | 14.3 | 10.7 | 11 | 4 | 10.90 | E7121/4 |
| 3/8 | 18 | 17.15 | 80 | 27 | 19.5 | 17.8 | 13.5 | 13 | 4 | 14.25 | E7123/8 |
| 1/2 | 14 | 21.34 | 100 | 35 | 22.7 | 17.5 | 13.1 | 16 | 4 | 17.75 | E7121/2 |
| 3/4 | 14 | 26.67 | 105 | 35 | 24.4 | 23.0 | 17.2 | 17 | 5 | 23.00 | E7123/4 |
| 1" | 11.5 | 33.40 | 115 | 43 | 29.4 | 28.6 | 21.4 | 21 | 5 | 29.00 | E7121 |
| 1.1/4 | 11.5 | 42.16 | 125 | 43 | 27.7 | 33.4 | 24.9 | 23 | 5 | 37.75 | E7121.1/4 |

- E709** • NPSF strojní závitník
 • NPSF Машинные метчики с прямой стружечной канавкой
- E720** • NPSF Gwintowniki maszynowe, prosty rowek wiórowy
 • NPSF Strojový závitník

| | | | | | | | | | | | | |
|-------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| E709 | ▪ | 1.3 | 1.4 | | | | | | | | | |
| | • | 1.1 | 1.2 | 1.5 | 3.1 | 3.2 | 3.3 | 3.4 | 6.2 | 7.3 | 7.4 | 8.1 |
| E720 | ▪ | 1.3 | 1.4 | 3.1 | 3.2 | 3.3 | 3.4 | | | | | |
| | • | 1.1 | 1.2 | 1.5 | 6.2 | 7.3 | 7.4 | 8.1 | | | | |

| | | | | | | | | | | | |
|-------------|------|------------|--------|--|-------|-----|-------|--|--|-----|--|
| E709 | NPSF | ANSI B94.9 | Normal | | 1.5XD | HSS | C 2-3 | | | | |
| E720 | NPSF | ANSI B94.9 | Normal | | 1.5XD | HSS | C 2-3 | | | TIN | |



| NPSF | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | l ₄ mm | d ₂ ∅ mm | ∠ a mm | l ₃ mm | z | | E709 | E720 |
|------|-----|-----------------------------|----------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|-------|-------------|-------------|
| 1/8 | 27 | 10.29 | 70 | 19 | 19 | 11.1 | 8.3 | 10 | 4 | 8.70 | E7091/8 | E7201/8NO3 |
| 1/4 | 18 | 13.72 | 75 | 27 | 27 | 14.3 | 10.7 | 11 | 4 | 11.30 | E7091/4 | E7201/4NO3 |
| 3/8 | 18 | 17.15 | 80 | 27 | 27 | 17.8 | 13.5 | 13 | 4 | 14.75 | E7093/8 | E7203/8NO3 |
| 1/2 | 14 | 21.34 | 100 | 35 | - | 17.5 | 13.1 | 16 | 4 | 18.25 | E7091/2 | E7201/2NO3 |
| 3/4 | 14 | 26.67 | 105 | 35 | - | 23.0 | 17.2 | 17 | 5 | 23.50 | E7093/4 | E7203/4NO3 |

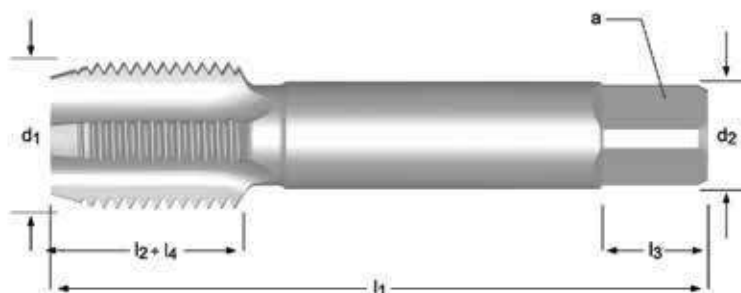
NO1 - NO9

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- E708**
- NPSM strojní závitník
 - NPSM Машинные метчики с прямой стружечной канавкой
 - NPSM Gwintownik maszynowy, prosty rowek wiórowy
 - NPSM Strojový závitník

E708 ■ 1.3 1.4
 • 1.1 1.2 1.5 3.1 3.2 3.3 3.4 6.2 7.3 7.4 8.1

E708 NPSM ANSI B94.9 Normal 1.5XD HSS C 2-3

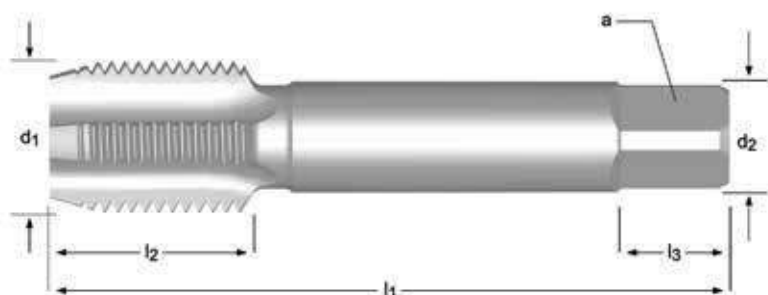


| NPSM | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | l ₄ mm | d ₂ Ø mm | □ a mm | l ₃ mm | z | | E708 |
|------|------|-----------------------------|----------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|------|---------|
| 1/8 | 27 | 10.29 | 70 | 19 | 19 | 11.1 | 8.3 | 10 | 4 | 9.1 | E7081/8 |
| 1/4 | 18 | 13.72 | 75 | 27 | 27 | 14.3 | 10.7 | 11 | 4 | 12.0 | E7081/4 |
| 3/8 | 18 | 17.15 | 80 | 27 | 27 | 17.8 | 13.5 | 13 | 4 | 15.5 | E7083/8 |
| 1/2 | 14 | 21.33 | 100 | 35 | - | 17.5 | 13.1 | 16 | 4 | 19.0 | E7081/2 |
| 3/4 | 14 | 26.67 | 105 | 35 | - | 23.0 | 17.2 | 17 | 5 | 24.5 | E7083/4 |
| 1" | 11.5 | 33.40 | 115 | 43 | - | 28.6 | 21.4 | 21 | 5 | 30.5 | E7081 |

- E243**
- PG strojní závitník
 - PG Машинные метчики с прямой стружечной канавкой
 - PG Gwintownik maszynowy, prosty rowek wiórowy
 - PG Strojový závitník

E243 • 1.1 1.2 1.3 1.4 1.5 3.1 3.2 3.3 6.2 6.3 7.2 7.3 8.2

E243 PG DIN 40432 Normal 1.5XD HSS



E243



No.7 - No.36

| PG | TPI | d ₁ nom mm | l ₁ mm | l ₂ mm | d ₂ ∅ mm | ∟ a mm | l ₃ mm | z | ↔ | E243 |
|------|-----|-----------------------------|----------------------|----------------------|---------------------------|--------------|----------------------|---|-------|---------------|
| 7 | 20 | 12.5 | 70 | 22 | 9.0 | 7.0 | 10 | 4 | 11.4 | E243PG7NO2 |
| 7 | 20 | 12.5 | 70 | 22 | 9.0 | 7.0 | 10 | 4 | 11.4 | E243PG7NO3 |
| 9 | 18 | 15.2 | 70 | 22 | 12.0 | 9.0 | 12 | 4 | 13.9 | E243PG9NO2 |
| 9 | 18 | 15.2 | 70 | 22 | 12.0 | 9.0 | 12 | 4 | 13.9 | E243PG9NO3 |
| 11 | 18 | 18.6 | 80 | 22 | 14.0 | 11.0 | 14 | 4 | 17.25 | E243PG11NO2 |
| 11 | 18 | 18.6 | 80 | 22 | 14.0 | 11.0 | 14 | 4 | 17.25 | E243PG11NO3 |
| 13.5 | 18 | 20.4 | 80 | 22 | 16.0 | 12.0 | 15 | 4 | 19 | E243PG13.5NO2 |
| 13.5 | 18 | 20.4 | 80 | 22 | 16.0 | 12.0 | 15 | 4 | 19 | E243PG13.5NO3 |
| 16 | 18 | 22.5 | 80 | 22 | 18.0 | 14.5 | 17 | 4 | 21.25 | E243PG16NO2 |
| 16 | 18 | 22.5 | 80 | 22 | 18.0 | 14.5 | 17 | 4 | 21.25 | E243PG16NO3 |
| 21 | 16 | 28.3 | 90 | 22 | 22.0 | 18.0 | 21 | 4 | 27 | E243PG21NO2 |
| 21 | 16 | 28.3 | 90 | 22 | 22.0 | 18.0 | 21 | 4 | 27 | E243PG21NO3 |
| 29 | 16 | 37.0 | 100 | 25 | 28.0 | 22.0 | 25 | 6 | 35.5 | E243PG29NO2 |
| 29 | 16 | 37.0 | 100 | 25 | 28.0 | 22.0 | 25 | 6 | 35.5 | E243PG29NO3 |
| 36 | 16 | 47.0 | 140 | 32 | 36.0 | 29.0 | 32 | 6 | 45.5 | E243PG36NO2 |
| 36 | 16 | 47.0 | 140 | 32 | 36.0 | 29.0 | 32 | 6 | 45.5 | E243PG36NO3 |

NO1-NO9



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L119

- Metrické závitníky, kovová krabice
- Набор метрических метчиков
- Zestaw Metrycznych Gwintowników maszynowych
- Metrické závitníky, kovová krabica

- A=typy v sadě, B=počet v sadě, M=rozměry závitníky v sadě
- A=тип метчика в наборе, B=кол-во метчиков, M=метчики в наборе
- A=Typy w komplecie. B=Ilość w komplecie. M=Gwintowniki występujące w komplecie
- A=typy v sade, B=počet v sade, M=rozmery závitníkov v sade



Set

| Set | A | B | M | L119 |
|-------|------|----|---|--------|
| Nr.17 | E100 | 21 | E100M3NO8, E100M4NO8, E100M5NO8, E100M6NO8, E100M8NO8, E100M10NO8, E100M12NO8 | L11917 |

L126

- Závrtník kombi sada
- Комбинированный набор метчиков
- Zestaw wiertło/gwintownik
- Závrtník kombinovaná sada

A=typy v sadě, B=počet v sadě, M=rozměry závrtníků v sadě

A=тип метчика в наборе, B=кол-во метчиков, M=метчики в наборе

A=Typy w komplecie. B=Ilość w komplecie. M=Wiertło/gwintowniki występujące w komplecie

A=typy v sade, B=počet v sade, M=rozmary závrtníkov v sade



| Set | A | B | M | L126 |
|-----|------|---|--|---------|
| 650 | E650 | 6 | E650M4, E650M5, E650M6, E650M8, E650M10, E650M12 | L126650 |

L113

- ISO sada vrták-závitník
- ISO Набор сверл и метчиков
- ISO Zestaw gwintowników i wiertel
- ISO sada vrták závitník

A=typy v sadě, B=počet v sadě, M=rozměry závitníky v sadě, D= rozměry vrtak v sadě
 A=тип метчика и сверла в наборе, B=кол-во метчиков, M=метчики в наборе, D=сверла в наборе
 A=Typy w komplecie. B=Ilość w komplecie. M=Gwintowniki występujące w komplecie D=Średnice wiertel występujące w komplecie
 A=typy v sade, B=počet v sade, M=rozmery závitníkov v sade, D= rozmery vrtákov v sade







| Set | A | B | M | D | L113 |
|--------|-------------|----|--|--|---------|
| Nr.201 | E000 + A002 | 14 | E000M3, E000M4, E000M5, E000M6, E000M8, E000M10, E000M12 | A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2 | L113201 |
| Nr.202 | E001 + A002 | 14 | E001M3, E001M4, E001M5, E001M6, E001M8, E001M10, E001M12 | A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2 | L113202 |
| Nr.203 | E002 + A002 | 14 | E002M3, E002M4, E002M5, E002M6, E002M8, E002M10, E002M12 | A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2 | L113203 |
| Nr.204 | E003 + A002 | 14 | E003M3, E003M4, E003M5, E003M6, E003M8, E003M10, E003M12 | A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2 | L113204 |

L114

- DIN sada vrták-závitník
- DIN Набор сверл и метчиков
- DIN Zestaw gwintowników i wiertel
- DIN sada vrták závitník

A=typy v sadě, B=počet v sadě, M=rozměry závitníky v sadě, D= rozměry vrtak v sadě
 A=тип метчика и сверла в наборе, B=кол-во метчиков, M=метчики в наборе, D=сверла в наборе
 A=Typy w komplecie. B=Ilość w komplecie. M=Gwintowniki występujące w komplecie
 D=Średnice wiertel występujące w komplecie
 A=typy v sade, B=počet v sade, M=rozmery závitníkov v sade, D= rozmery vrtákov v sade



| Set | A | B | M | D | L114 |
|--------|--|----|--|--|---------|
| Nr.301 | EP006H + A002 | 14 | EP00M3, EP00M4, EP00M5, EP00M6, EP00M8, EP00M10, EP00M12 | A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2 | L114301 |
| Nr.302 | EX006H + A002 | 14 | EX00M3, EX00M4, EX00M5, EX00M6, EX00M8, EX00M10, EX00M12 | A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2 | L114302 |
| Nr.303 | E297 + A002  | 14 | E297M3, E297M4, E297M5, E297M6, E297M8, E297M10, E297M12 | A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2 | L114303 |
| Nr.304 | E298 + A002  | 14 | E298M3, E298M4, E298M5, E298M6, E298M8, E298M10, E298M12 | A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2 | L114304 |
| Nr.305 | E238 + A108  | 14 | E238M3, E238M4, E238M5, E238M6, E238M8, E238M10, E238M12 | A1082.5, A1083.3, A1084.2, A1085.0, A1086.8, A1088.5, A10810.2 | L114305 |
| Nr.306 | E240 + A108  | 14 | E240M3, E240M4, E240M5, E240M6, E240M8, E240M10, E240M12 | A1082.5, A1083.3, A1084.2, A1085.0, A1086.8, A1088.5, A10810.2 | L114306 |

L115

- Sada vrták-závitník dle normy
- Набор сверл и метчиков
- Zestaw gwintowników i wiertel DIN
- Sada vrták-závitník podľa normy

A=typy v sadě, B=počet v sadě, M=rozměry závitníky v sadě, D= rozměry vrtak v sadě
 A=тип метчика и сверла в наборе, B=кол-во метчиков, M=метчики в наборе, D=сверла в наборе
 A=Typy w komplecie. B=Ilość w komplecie. M=Gwintowniki występujące w komplecie
 D=Średnice wiertel występujące w komplecie
 A=typy v sade, B=počet v sade, M=rozmary závitníkov v sade, D= rozmery vrtákov v sade



| Set | A | B | M | D | L115 |
|--------|-------------|----|--|--|---------|
| Nr.100 | E500 + A022 | 21 | E500M3NO2, E500M3NO3, E500M4NO2, E500M4NO3, E500M5NO2, E500M5NO3, E500M6NO2, E500M6NO3, E500M8NO2, E500M8NO3, E500M10NO2, E500M10NO3, E500M12NO2, E500M12NO3 | A0222.5, A0223.3, A0224.2, A0225.0, A0226.8, A0228.5, A02210.2 | L115100 |
| Nr.101 | E500 + A002 | 14 | E500M3NO3, E500M4NO3, E500M5NO3, E500M6NO3, E500M8NO3, E500M10NO3, E500M12NO3 | A0022.5, A0023.3, A0024.2, A0025.0, A0026.8, A0028.5, A00210.2 | L115101 |

L000

- Sada vrtáků pro ruční závitník (2 kusy) A=typy v sadě, B=počet v sadě, M=rozměry závitníky v sadě, D= rozměry vrtak v sadě
- Набор ручных сверл и метчиков под резьбу (2 шт.) A=тип метчика и сверла в наборе, B=кол-во, M=метчик в наборе, D=сверло в наборе
- Zestaw gwintownik ręczny-wiertło (2 sztuki) A=Typy w komplecie. B=Ilość w komplecie. M=Gwintowniki występujące w komplecie D=Średnice wiertel występujące w komplecie
- Súprava manuálnych závitníkov (2 ks) A=typy v sade, B=počet v sade, M=rozmery závitníkov v sade, D= rozmery vrtákov v sade



| Nr. | A | B | M | D | L000 |
|-------|-------------|---|------------|----------|---------------------|
| Nr.1 | E500 + A002 | 2 | E500M3NO2 | A0022.5 | L000E500M3NO2XA002 |
| Nr.2 | E500 + A002 | 2 | E500M4NO2 | A0023.3 | L000E500M4NO2XA002 |
| Nr.3 | E500 + A002 | 2 | E500M5NO2 | A0024.2 | L000E500M5NO2XA002 |
| Nr.4 | E500 + A002 | 2 | E500M6NO2 | A0025.0 | L000E500M6NO2XA002 |
| Nr.5 | E500 + A002 | 2 | E500M8NO2 | A0026.8 | L000E500M8NO2XA002 |
| Nr.6 | E500 + A002 | 2 | E500M10NO2 | A0028.5 | L000E500M10NO2XA002 |
| Nr.7 | E500 + A002 | 2 | E500M12NO2 | A00210.2 | L000E500M12NO2XA002 |
| Nr.8 | E500 + A002 | 2 | E500M3NO3 | A0022.5 | L000E500M3NO3XA002 |
| Nr.9 | E500 + A002 | 2 | E500M4NO3 | A0023.3 | L000E500M4NO3XA002 |
| Nr.10 | E500 + A002 | 2 | E500M5NO3 | A0024.2 | L000E500M5NO3XA002 |
| Nr.11 | E500 + A002 | 2 | E500M6NO3 | A0025.0 | L000E500M6NO3XA002 |
| Nr.12 | E500 + A002 | 2 | E500M8NO3 | A0026.8 | L000E500M8NO3XA002 |
| Nr.13 | E500 + A002 | 2 | E500M10NO3 | A0028.5 | L000E500M10NO3XA002 |
| Nr.14 | E500 + A002 | 2 | E500M12NO3 | A00210.2 | L000E500M12NO3XA002 |

L001

- Sada vrtáků pro závitník DIN (2 kusy)
- Набор сверл и метчиков под резьбу согласно DIN (2 шт.)
- Zestaw gwintownik DIN-wiertło (2 sztuki)
- Súprava závitníkov DIN (2 ks)

A=typy v sadě, B=počet v sadě, M=rozměry závitníky v sadě, D= rozměry vrtak v sadě
 A=тип метчика и сверла в наборе, B=кол-во, M=метчик в наборе, D=сверло в наборе
 A=Typy w komplecie. B=Ilość w komplecie. M=Gwintowniki występujące w komplecie
 D=Średnice wiertel występujące w komplecie
 A=typy v sade, B=počet v sade, M=rozmery závitníkov v sade, D= rozmery vrtákov v sade



| Nr. | A | B | M | D | L001 |
|-------|---------------|---|---------|----------|------------------|
| Nr.1 | EP006H + A002 | 2 | EP00M3 | A0022.5 | L001EP00M3XA002 |
| Nr.2 | EP006H + A002 | 2 | EP00M4 | A0023.3 | L001EP00M4XA002 |
| Nr.3 | EP006H + A002 | 2 | EP00M5 | A0024.2 | L001EP00M5XA002 |
| Nr.4 | EP006H + A002 | 2 | EP00M6 | A0025.0 | L001EP00M6XA002 |
| Nr.5 | EP006H + A002 | 2 | EP00M8 | A0026.8 | L001EP00M8XA002 |
| Nr.6 | EP006H + A002 | 2 | EP00M10 | A0028.5 | L001EP00M10XA002 |
| Nr.7 | EP006H + A002 | 2 | EP00M12 | A00210.2 | L001EP00M12XA002 |
| Nr.8 | EX006H + A002 | 2 | EX00M3 | A0022.5 | L001EX00M3XA002 |
| Nr.9 | EX006H + A002 | 2 | EX00M4 | A0023.3 | L001EX00M4XA002 |
| Nr.10 | EX006H + A002 | 2 | EX00M5 | A0024.2 | L001EX00M5XA002 |
| Nr.11 | EX006H + A002 | 2 | EX00M6 | A0025.0 | L001EX00M6XA002 |
| Nr.12 | EX006H + A002 | 2 | EX00M8 | A0026.8 | L001EX00M8XA002 |
| Nr.13 | EX006H + A002 | 2 | EX00M10 | A0028.5 | L001EX00M10XA002 |
| Nr.14 | EX006H + A002 | 2 | EX00M12 | A00210.2 | L001EX00M12XA002 |

L002

- Sada vrtáků pro závitník ISO (2 kusy)
- Набор сверл и метчиков под резьбу согласно ISO (2 шт.)
- Zestaw gwintownik ISO-wiertło (2 sztuki)
- Súprava závitníkov ISO (2 ks)

A=typy v sadě, B=počet v sadě, M=rozměry závitníky v sadě, D= rozměry vrtak v sadě
 A=тип метчика и сверла в наборе, B=кол-во, M=метчик в наборе, D=сверло в наборе
 A=Typy w komplecie. B=Ilość w komplecie. M=Gwintowniki występujące w komplecie
 D=Średnice wiertel występujące w komplecie
 A=typy v sade, B=počet v sade, M=rozmery závitníkov v sade, D= rozmery vrtakov v sade



| Nr. | A | B | M | D | L002 |
|-------|-------------|---|---------|----------|------------------|
| Nr.1 | E000 + A002 | 2 | E000M3 | A0022.5 | L002E000M3XA002 |
| Nr.2 | E000 + A002 | 2 | E000M4 | A0023.3 | L002E000M4XA002 |
| Nr.3 | E000 + A002 | 2 | E000M5 | A0024.2 | L002E000M5XA002 |
| Nr.4 | E000 + A002 | 2 | E000M6 | A0025.0 | L002E000M6XA002 |
| Nr.5 | E000 + A002 | 2 | E000M8 | A0026.8 | L002E000M8XA002 |
| Nr.6 | E000 + A002 | 2 | E000M10 | A0028.5 | L002E000M10XA002 |
| Nr.7 | E000 + A002 | 2 | E000M12 | A00210.2 | L002E000M12XA002 |
| Nr.8 | E002 + A002 | 2 | E002M3 | A0022.5 | L002E002M3XA002 |
| Nr.9 | E002 + A002 | 2 | E002M4 | A0023.3 | L002E002M4XA002 |
| Nr.10 | E002 + A002 | 2 | E002M5 | A0024.2 | L002E002M5XA002 |
| Nr.11 | E002 + A002 | 2 | E002M6 | A0025.0 | L002E002M6XA002 |
| Nr.12 | E002 + A002 | 2 | E002M8 | A0026.8 | L002E002M8XA002 |
| Nr.13 | E002 + A002 | 2 | E002M10 | A0028.5 | L002E002M10XA002 |
| Nr.14 | E002 + A002 | 2 | E002M12 | A00210.2 | L002E002M12XA002 |

L120

- Závrtovací sada, kovová krabice
- Набор инструментов для нарезания резьбы
- Zestaw do gwintowania ręcznego - metalowa kasetka
- Závrtovacia sada, kovová krabica

A=typy v sadě, B= No. in Set, B=počet v sadě, M=rozměry závitníky v sadě, F= rozměry očka v sadě, L112 - v sadě, L110 - v sadě

A=тип инструмента в наборе, B=кол-во в наборе, M=метчики в наборе, F=плашки в наборе, L112=воротки для метчиков в наборе, L110=воротки для плашек в наборе
A=Typy w komplecie. B=Ilość w komplecie. M=Gwintowniki występujące w komplecie. F= Narzynki występujące w komplecie.. L112= Uchwyty do gwintowników występujące w komplecie. L110= Uchwyty do narzynek występujące w komplecie.

A=typy v sade, B=počet v sadě, M=rozmery závitníkov v sade, F= rozmery očiek v sade, L112 - v sade, L110 - v sade



Set

| Set | A | B | M | F | L112 | L110 | L120 |
|-------|---------------------------------|----|---|--|-------------------------|---|--------|
| 21 | E100 + F100 + L112 + L110 | 21 | E100M3NO8, E100M4NO8, E100M5NO8, E100M6NO8, E100M8NO8, E100M10NO8, E100M12NO8 | F100M3, F100M4, F100M5, F100M6, F100M8, F100M10, F100M12 | L112NO1.1/2, L112NO3 | L1102A, L1102B, L1103, L1104, L1105 | L12021 |
| 30 | E100 + F100 + L112 + L110 | 30 | E100M3NO8, E100M4NO8, E100M5NO8, E100M6NO8, E100M8NO8, E100M10NO8, E100M12NO8, E100M14NO8, E100M16NO8, E100M18NO8, E100M20NO8 | F100M3, F100M4, F100M5, F100M6, F100M8, F100M10, F100M12, F100M14, F100M16, F100M18, F100M20 | L112NO1.1/2, L112NO4 | L1102A, L1102B, L1103, L1104, L1105, L1106 | L12030 |
| HS-2M | E500 + F300 + L112 + L110 | 23 | E500M2NO1, E500M2NO3, E500M2.5NO1, E500M2.5NO3, E500M3NO1, E500M3NO3, E500M3.5NO1, E500M3.5NO3, E500M4NO1, E500M4NO3, E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3 | F300M2X13/16, F300M2.5X13/16, F300M3X13/16, F300M3.5X13/16, F300M4X13/16, F300M5X13/16, F300M6X13/16 | L112BT1 | L11013/16 | L1202M |
| HS-4M | E500 + F300 + L112 + L110 | 32 | E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3, E500M7NO1, E500M7NO3, E500M8NO1, E500M8NO3, E500M9NO1, E500M9NO3, E500M10NO1, E500M10NO3, E500M11NO1, E500M11NO3, E500M12NO1, E500M12NO3 | F300M5X13/16, F300M6X13/16, F300M7X13/16, F300M8X1.5/16, F300M9X1.5/16, F300M10X1.5/16, F300M11X1.5/16, F300M12X1.5/16, F300M5X13/16, F300M6X13/16, F300M7X13/16, F300M8X1.5/16, F300M9X1.5/16 | L112BT2 | L11013/16, L1101.5/16 | L1204M |

| Set | A | B | M | F | L112 | L110 | L120 |
|----------|---------------------------------|----|---|--|---------------------|--|-----------|
| HS-8M | E500 + F300 + L112 + L110 | 17 | E500M2NO1, E500M2NO3, E500M3NO1, E500M3NO3, E500M4NO1, E500M4NO3, E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3 | F300M2X13/16, F300M3X13/16, F300M4X13/16, F300M5X13/16, F300M6X13/16 | L112BT1 | L11013/16 | L1208M |
| HS-10M | E500 + F300 + L112 + L110 | 27 | E500M3NO1, E500M3NO3, E500M4NO1, E500M4NO3, E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3, E500M7NO1, E500M7NO3, E500M8NO1, E500M8NO3, E500M9NO1, E500M9NO3, E500M10NO1, E500M10NO3 | F300M3X13/16, F300M4X13/16, F300M5X13/16, F300M6X1, F300M7X1, F300M8X1, F300M9X1, F300M10X1 | L112BT2 | L11013/16, L1101INCH | L12010M |
| HS-12M | E500 + F300 + L112 + L110 | 35 | E500M2NO1, E500M2NO3, E500M3NO1, E500M3NO3, E500M4NO1, E500M4NO3, E500M5NO1, E500M5NO3, E500M6NO1, E500M6NO3, E500M7NO1, E500M7NO3, E500M8NO1, E500M8NO3, E500M9NO1, E500M9NO3, E500M10NO1, E500M10NO3, E500M12NO1, E500M12NO3 | F300M2X13/16, F300M3X13/16, F300M4X13/16, F300M5X13/16, F300M6X13/16, F300M7X13/16, F300M8X1, F300M9X1, F300M10X1, F300M12X1.5/16 | L112BT1, L112BT2 | L11013/16, L1101INCH, L1101.5/16 | L12012M |
| HS-14M | E500 + F300 + L112 + L110 | 34 | E500M6NO1, E500M6NO3, E500M7NO1, E500M7NO3, E500M8NO1, E500M8NO3, E500M9NO1, E500M9NO3, E500M10NO1, E500M10NO3, E500M12NO1, E500M12NO3, E500M14NO1, E500M14NO3, E500M16NO1, E500M16NO3, E500M18NO1, E500M18NO3, E500M20NO1, E500M20NO3 | F300M6X1, F300M7X1, F300M8X1, F300M9X1, F300M10X1, F300M12X1.5/16, F300M14X1.5/16, F300M16X1.1/2, F300M18X1.1/2, F300M20X1.1/2 | L112NO3 | L1101INCH, L1101.5/16, L1101.1/2 | L12014M |
| HS-30UNC | E515 + F320 + L112 + L110 | 18 | E5151/2NO1, E5151/2NO3, E5151/4NO1, E5151/4NO3, E5155/16NO1, E5155/16NO3, E5153/8NO1, E5153/8NO3, E5157/16NO1, E5157/16NO3 | F3201/4X1, F3205/16X1, F3207/16X1.5/16, F3203/8X1, F3201/2X1.5/16 | L112BT2 | L1101INCH, L1101.5/16 | L12030UNC |
| HS-32UNC | E515 + F320 + L112 + L110 | 27 | E5151/2NO1, E5151/2NO3, E5151/4NO1, E5151/4NO3, E5155/16NO1, E5155/16NO3, E5153/8NO1, E5153/8NO3, E5157/16NO1, E5157/16NO3, E5155/8NO1, E5155/8NO3, E5153/4NO1, E5153/4NO3 | F3201/4X1, F3205/16X1, F3207/16X1.5/16, F3203/8X1, F3207/16X1.1/2, F3201/2X1.5/16, F3201/2X1.1/2, F3205/8X1.1/2, F3203/4X1.1/2 | L112BT2, L112NO3 | L1101INCH, L1101.1/2 | L12032UNC |

| Set | A | B | M | F | L112 | L110 | L120 |
|----------|---------------------------------|----|--|---|---------------------|--------------------------|-----------|
| HS-24UNF | E524 + F330 + L112 + L110 | 18 | E5241/2NO1, E5241/2NO3, E5241/4NO1, E5241/4NO3, E5245/16NO1, E5245/16NO3, E5243/8NO1, E5243/8NO3, E5247/16NO1, E5247/16NO3 | F3301/4X1, F3305/16X1, F3307/16X1.5/16, F3303/8X1, F3301/2X1.5/16 | L112BT2 | L1101INCH, L1101.5/16 | L12024UNF |
| HS-26UNF | E524 + F330 + L112 + L110 | 25 | E5241/2NO1, E5241/2NO3, E5241/4NO1, E5241/4NO3, E5245/16NO1, E5245/16NO3, E5243/8NO1, E5243/8NO3, E5247/16NO1, E5247/16NO3, E5245/8NO1, E5245/8NO3, E5243/4NO1, E5243/4NO3 | F3301/4X1, F3305/16X1, F3303/8X1, F3307/16X1.1/2, F3301/2X1.1/2, F3305/8X1.1/2, F3303/4X1.1/2 | L112BT2, L112NO3 | L1101INCH, L1101.1/2 | L12026UNF |

L110

- Vratidla pro očka
- Воротки для круглых плашек
- Uchwyt do narzynek
- Vrátidlo na zavítovacie očka



| Nr. | Ø x H | L110 |
|-----|---------------|------------|
| 1" | 16 x 5 | L1101 |
| 2a | 20 x 5 | L1102A |
| 2b | 20 x 7 | L1102B |
| 3 | 25 x 9 | L1103 |
| 4" | 30 x 11 | L1104 |
| 5 | 38 x 14 | L1105 |
| 5f | 38 x 10 | L1105F |
| 6 | 45 x 18 | L1106 |
| 6f | 45 x 14 | L1106F |
| 7 | 55 x 22 | L1107 |
| 7f | 55 x 16 | L1107F |
| 8 | 65 x 25 | L1108 |
| 8f | 65 x 18 | L1108F |
| 9 | 75 x 30 | L1109 |
| 9f | 75 x 20 | L1109F |
| 10 | 90 x 36 | L11010 |
| 10f | 90 x 22 | L11010F |
| | 13/16 x 1/4 | L11013/16 |
| | 1 x 3/8 | L1101INCH |
| | 1.5/16 x 7/16 | L1101.5/16 |
| | 1.1/2 x 1/2 | L1101.1/2 |
| | 2 x 5/8 | L1102INCH |
| | 2.1/4 x 11/16 | L1102.1/4 |
| | 3 x 7/8 | L1103INCH |
| | 4 x 1 | L1104INCH |

L112

- Vratidlo pro závitníky
- Регулируемые воротки для метчиков
- Nastawny uchwyt do gwintowników
- Vrátidlo pre závitníky



| Nr. | l_1 mm | \square a mm | \square a Inch | Tap Range (M) | Tap Range (Inch) | L112 |
|-------|-------------|----------------------|------------------------|------------------|---------------------|-------------|
| BT1 | 105 | 1.0 - 6.5 | 0.0394 - 0.2559 | M1 - M8 | No. 0 - 5/16 | L112BT1 |
| BT2 | 162 | 1.0 - 10.0 | 0.0394 - 0.3937 | M1 - M14 | No. 0 - 5/8 | L112BT2 |
| 0 | 130 | 2.0 - 5.0 | 0.0787 - 0.1969 | M1 - M5 | No. 0 - 1/4 | L112NO0 |
| 1.1/2 | 205 | 2.1 - 8.0 | 0.0827 - 0.3150 | M2.2 - M12 | No. 0 - 1/2 | L112NO1.1/2 |
| 3 | 380 | 4.9 - 12.0 | 0.1929 - 0.4724 | M5 - M20 | 5/16 - 3/4 | L112NO3 |
| 4 | 500 | 5.5 - 16.0 | 0.2165 - 0.6299 | M7 - M30 | 5/16 - 1" | L112NO4 |
| 6 | 1000 | 11.0 - 24.0 | 0.4331 - 0.9449 | M18 - M42 | 3/4 - 1.1/2 | L112NO6 |
| 7 | 1250 | 16.0 - 32.0 | 0.6299 - 1.2598 | M27 - M48 | 1.1/8 - 2" | L112NO7 |

