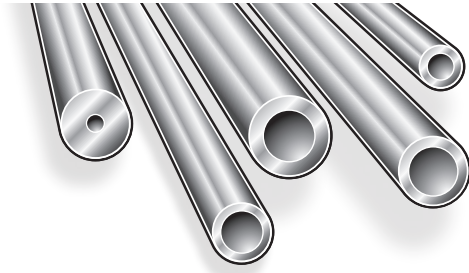


Durelloy™

TUBING



Color Code:
RED



Durelloy Tubing is a fine grained alloy delivered with perfect concentricity and excellent machinability. When oil-quenched, Durelloy Tubing provides a tough core and excellent case hardness. Also available: Durelloy-FM and Durelloy-CD Tubing.

Applications

- Sleeves
- Slitters
- Spacers
- Ring gauges
- Punches
- Rings
- Bushings
- Bearings
- Collets
- Knives
- Wearing rolls
- Cams
- Ring dies
- Trimmers
- Rollers

Features And Advantages

- Fully annealed
- Fine grain structure
- Free machining
- Excellent weldability
- Tough core with case hardness

Typical Analysis

- Carbon .18/.25
- Manganese .50/.70
- Chromium .85/1.10
- Silicon .20/.35
- Molybdenum .25/.32

Heat Treatment

- **Case hardening** Direct quenching only
- **Carburizing** 1725°–1750°F
- **Oil-quench** Case: Rockwell C 58–62
- **Tempering** 300°– 330°F, case: Rc 58–62
- Above heat treatment produces coarse case
- Core hardness will be approx. Rc 20–35

Durelloy Tubing Sizes Available For Immediate Shipment

| Tube Ident. | Outer Dia. | Wall Thickness | Inner Dia. | Tube Ident. | Outer Dia. | Wall Thickness | Inner Dia. | Tube Ident. | Outer Dia. | Wall Thickness | Inner Dia. | Tube Ident. | Outer Dia. | Wall Thickness | Inner Dia. |
|-------------|------------|----------------|------------|-------------|------------|----------------|------------|-------------|------------|----------------|------------|-------------|------------|----------------|------------|
| 101 | 1 | 3/32 | 13/16 | 131 | 1-1/2 | 7/32 | 1-1/16 | 161 | 2 | 5/32 | 1-11/16 | 191 | 2-1/2 | 9/64 | 2-7/32 |
| 102 | 1 | 7/64 | 25/32 | 132 | 1-1/2 | 1/4 | 1 | 162 | 2 | 11/64 | 1-21/32 | 192 | 2-1/2 | 5/32 | 2-3/16 |
| 103 | 1 | 1/8 | 3/4 | 133 | 1-5/8 | 3/32 | 1-7/16 | 163 | 2 | 3/16 | 1-5/8 | 193 | 2-1/2 | 3/16 | 2-1/8 |
| 104 | 1 | 9/64 | 23/32 | 134 | 1-5/8 | 7/64 | 1-13/32 | 164 | 2 | 7/32 | 1-9/16 | 194 | 2-1/2 | 7/32 | 2-1/16 |
| 105 | 1 | 5/32 | 11/16 | 135 | 1-5/8 | 1/8 | 1-3/8 | 165 | 2 | 1/4 | 1-1/2 | 195 | 2-1/2 | 1/4 | 2 |
| 106 | 1 | 3/16 | 5/8 | 136 | 1-5/8 | 5/32 | 1-5/16 | 166 | 2 | 9/32 | 1-7/16 | 196 | 2-1/2 | 9/32 | 1-15/16 |
| 107 | 1-1/8 | 3/32 | 15/16 | 137 | 1-5/8 | 3/16 | 1-1/4 | 167 | 2 | 5/16 | 1-3/8 | 197 | 2-1/2 | 5/16 | 1-7/8 |
| 108 | 1-1/8 | 7/64 | 29/32 | 138 | 1-5/8 | 7/32 | 1-3/16 | 168 | 2 | 3/8 | 1-1/4 | 198 | 2-1/2 | 3/8 | 1-3/4 |
| 109 | 1-1/8 | 1/8 | 7/8 | 139 | 1-5/8 | 1/4 | 1-1/8 | 169 | 2-1/4 | 3/32 | 2-1/16 | 199 | 2-5/8 | 3/32 | 2-7/16 |
| 110 | 1-1/8 | 5/32 | 13/16 | 140 | 1-3/4 | 3/32 | 1-9/16 | 170 | 2-1/4 | 7/64 | 2-1/32 | 200 | 2-5/8 | 1/8 | 2-3/8 |
| 111 | 1-1/8 | 3/16 | 3/4 | 141 | 1-3/4 | 7/64 | 1-17/32 | 171 | 2-1/4 | 1/8 | 2 | 201 | 2-5/8 | 5/32 | 2-5/16 |
| 112 | 1-1/4 | 3/32 | 1-1/16 | 142 | 1-3/4 | 1/8 | 1-1/2 | 172 | 2-1/4 | 5/32 | 1-15/16 | 202 | 2-5/8 | 3/16 | 2-1/4 |
| 113 | 1-1/4 | 7/64 | 1-1/32 | 143 | 1-3/4 | 9/64 | 1-15/32 | 173 | 2-1/4 | 3/16 | 1-7/8 | 203 | 2-5/8 | 7/32 | 2-3/16 |
| 114 | 1-1/4 | 1/8 | 1 | 144 | 1-3/4 | 5/32 | 1-7/16 | 174 | 2-1/4 | 7/32 | 1-13/16 | 204 | 2-5/8 | 1/4 | 2-1/8 |
| 115 | 1-1/4 | 9/64 | 31/32 | 145 | 1-3/4 | 3/16 | 1-3/8 | 175 | 2-1/4 | 1/4 | 1-3/4 | 205 | 2-5/8 | 5/16 | 2 |
| 116 | 1-1/4 | 5/32 | 15/16 | 146 | 1-3/4 | 7/32 | 1-5/16 | 176 | 2-1/4 | 9/32 | 1-11/16 | 206 | 2-3/4 | 3/32 | 2-9/16 |
| 117 | 1-1/4 | 3/16 | 7/8 | 147 | 1-3/4 | 1/4 | 1-1/4 | 177 | 2-1/4 | 5/16 | 1-5/8 | 207 | 2-3/4 | 7/64 | 2-17/32 |
| 118 | 1-1/4 | 7/32 | 13/16 | 148 | 1-3/4 | 9/32 | 1-3/16 | 178 | 2-1/4 | 3/8 | 1-1/2 | 208 | 2-3/4 | 1/8 | 2-1/2 |
| 119 | 1-3/8 | 3/32 | 1-3/16 | 149 | 1-7/8 | 3/32 | 1-11/16 | 179 | 2-3/8 | 3/32 | 2-3/16 | 209 | 2-3/4 | 5/32 | 2-7/16 |
| 120 | 1-3/8 | 1/8 | 1-1/8 | 150 | 1-7/8 | 7/64 | 1-21/32 | 180 | 2-3/8 | 7/64 | 2-5/32 | 210 | 2-3/4 | 3/16 | 2-3/8 |
| 121 | 1-3/8 | 5/32 | 1-1/16 | 151 | 1-7/8 | 1/8 | 1-5/8 | 181 | 2-3/8 | 1/8 | 2-1/8 | 211 | 2-3/4 | 7/32 | 2-5/16 |
| 122 | 1-3/8 | 3/16 | 1 | 152 | 1-7/8 | 9/64 | 1-19/32 | 182 | 2-3/8 | 9/64 | 2-3/32 | 212 | 2-3/4 | 1/4 | 2-1/4 |
| 123 | 1-3/8 | 7/32 | 15/16 | 153 | 1-7/8 | 5/32 | 1-9/16 | 183 | 2-3/8 | 5/32 | 2-1/16 | 213 | 2-3/4 | 9/32 | 2-3/16 |
| 124 | 1-3/8 | 1/4 | 7/8 | 154 | 1-7/8 | 3/16 | 1-1/2 | 184 | 2-3/8 | 3/16 | 2 | 214 | 2-3/4 | 5/16 | 2-1/8 |
| 125 | 1-1/2 | 3/32 | 1-5/16 | 155 | 1-7/8 | 7/32 | 1-7/16 | 185 | 2-3/8 | 7/32 | 1-15/16 | 215 | 2-3/4 | 3/8 | 2 |
| 126 | 1-1/2 | 7/64 | 1-9/32 | 156 | 1-7/8 | 1/4 | 1-3/8 | 186 | 2-3/8 | 1/4 | 1-7/8 | 216 | 2-3/4 | 7/16 | 1-7/8 |
| 127 | 1-1/2 | 1/8 | 1-1/4 | 157 | 1-7/8 | 9/32 | 1-5/16 | 187 | 2-3/8 | 5/16 | 1-3/4 | 217 | 2-7/8 | 3/32 | 2-11/16 |
| 128 | 1-1/2 | 9/64 | 1-7/32 | 158 | 2 | 3/32 | 1-13/16 | 188 | 2-1/2 | 3/32 | 2-5/16 | 218 | 2-7/8 | 1/8 | 2-5/8 |
| 129 | 1-1/2 | 5/32 | 1-3/16 | 159 | 2 | 7/64 | 1-25/32 | 189 | 2-1/2 | 7/64 | 2-9/32 | 219 | 2-7/8 | 9/64 | 2-19/32 |
| 130 | 1-1/2 | 3/16 | 1-1/8 | 160 | 2 | 1/8 | 1-3/4 | 190 | 2-1/2 | 1/8 | 2-1/4 | 220 | 2-7/8 | 5/32 | 2-9/16 |

(continued)

Durelloy Tubing Sizes Available For Immediate Shipment (continued)

| Tube Ident. | Outer Dia. | Wall Thickness | Inner Dia. | Tube Ident. | Outer Dia. | Wall Thickness | Inner Dia. | Tube Ident. | Outer Dia. | Wall Thickness | Inner Dia. | Tube Ident. | Outer Dia. | Wall Thickness | Inner Dia. |
|-------------|------------|----------------|------------|-------------|------------|----------------|------------|-------------|------------|----------------|------------|-------------|------------|----------------|------------|
| 221 | 2-7/8 | 3/16 | 2-1/2 | 296 | 4 | 1/4 | 3-1/2 | 371 | 5-3/4 | 3/32 | 5-9/16 | 446 | 8 | 3/32 | 7-13/16 |
| 222 | 2-7/8 | 7/32 | 2-7/16 | 297 | 4 | 9/32 | 3-7/16 | 372 | 5-3/4 | 1/8 | 5-1/2 | 447 | 8 | 1/8 | 7-3/4 |
| 223 | 2-7/8 | 1/4 | 2-3/8 | 298 | 4 | 5/16 | 3-3/8 | 373 | 5-3/4 | 3/16 | 5-3/8 | 448 | 8 | 3/16 | 7-5/8 |
| 224 | 2-7/8 | 9/32 | 2-5/16 | 299 | 4 | 3/8 | 3-1/4 | 374 | 5-3/4 | 1/4 | 5-1/4 | 449 | 8 | 1/4 | 7-1/2 |
| 225 | 2-7/8 | 5/16 | 2-1/4 | 300 | 4 | 7/16 | 3-1/8 | 375 | 5-3/4 | 5/16 | 5-1/8 | 450 | 8 | 3/8 | 7-1/4 |
| 226 | 2-7/8 | 3/8 | 2-1/8 | 301 | 4 | 1/2 | 3 | 376 | 5-3/4 | 3/8 | 5 | 451 | 8 | 1/2 | 7 |
| 227 | 3 | 3/32 | 2-13/16 | 302 | 4 | 5/8 | 2-3/4 | 377 | 5-3/4 | 7/16 | 4-7/8 | 452 | 8 | 9/16 | 6-7/8 |
| 228 | 3 | 7/64 | 2-25/32 | 303 | 4-1/4 | 3/32 | 4-1/16 | 378 | 5-3/4 | 1/2 | 4-3/4 | 453 | 8 | 5/8 | 6-3/4 |
| 229 | 3 | 1/8 | 2-3/4 | 304 | 4-1/4 | 7/64 | 4-1/32 | 379 | 6 | 3/32 | 5-13/16 | 454 | 8 | 3/4 | 6-1/2 |
| 230 | 3 | 5/32 | 2-11/16 | 305 | 4-1/4 | 1/8 | 4 | 380 | 6 | 1/8 | 5-3/4 | 455 | 8-1/4 | 1/8 | 8 |
| 231 | 3 | 3/16 | 2-5/8 | 306 | 4-1/4 | 5/32 | 3-15/16 | 381 | 6 | 5/32 | 5-11/16 | 456 | 8-1/4 | 1/4 | 7-3/4 |
| 232 | 3 | 7/32 | 2-9/16 | 307 | 4-1/4 | 3/16 | 3-7/8 | 382 | 6 | 3/16 | 5-5/8 | 457 | 8-1/4 | 3/8 | 7-1/2 |
| 233 | 3 | 1/4 | 2-1/2 | 308 | 4-1/4 | 7/32 | 3-13/16 | 383 | 6 | 1/4 | 5-1/2 | 458 | 8-1/4 | 1/2 | 7-1/4 |
| 234 | 3 | 9/32 | 2-7/16 | 309 | 4-1/4 | 1/4 | 3-3/4 | 384 | 6 | 5/16 | 5-3/8 | 459 | 8-1/2 | 1/8 | 7-1/4 |
| 235 | 3 | 5/16 | 2-3/8 | 310 | 4-1/4 | 5/16 | 3-5/8 | 385 | 6 | 3/8 | 5-1/4 | 460 | 8-1/2 | 3/16 | 8-1/8 |
| 236 | 3 | 3/8 | 2-1/4 | 311 | 4-1/4 | 3/8 | 3-1/2 | 386 | 6 | 7/16 | 5-1/8 | 461 | 8-1/2 | 1/4 | 8 |
| 237 | 3 | 7/16 | 2-1/8 | 312 | 4-1/4 | 7/16 | 3-3/8 | 387 | 6 | 1/2 | 5 | 462 | 8-1/2 | 3/8 | 7-3/4 |
| 238 | 3 | 1/2 | 2 | 313 | 4-1/4 | 1/2 | 3-1/4 | 388 | 6 | 9/16 | 4-7/8 | 463 | 8-1/2 | 1/2 | 7-1/2 |
| 239 | 3-1/4 | 3/32 | 3-1/16 | 314 | 4-1/4 | 9/16 | 3-1/8 | 389 | 6 | 5/8 | 4-3/4 | 464 | 8-1/2 | 5/8 | 7-1/4 |
| 240 | 3-1/4 | 7/64 | 3-1/32 | 315 | 4-1/4 | 5/8 | 3 | 390 | 6 | 3/4 | 4-1/2 | 465 | 8-1/2 | 3/4 | 7 |
| 241 | 3-1/4 | 1/2 | 3 | 316 | 4-1/2 | 3/32 | 4-5/16 | 391 | 6-1/4 | 3/32 | 6-1/16 | 466 | 9 | 1/8 | 8-3/4 |
| 242 | 3-1/4 | 9/64 | 2-31/32 | 317 | 4-1/2 | 1/8 | 4-1/4 | 392 | 6-1/4 | 1/8 | 6 | 467 | 9 | 3/16 | 8-5/8 |
| 243 | 3-1/4 | 5/32 | 2-15/16 | 318 | 4-1/2 | 5/32 | 4-3/16 | 393 | 6-1/4 | 3/16 | 5-7/8 | 468 | 9 | 1/4 | 8-1/2 |
| 244 | 3-1/4 | 3/16 | 2-7/8 | 319 | 4-1/2 | 3/16 | 4-1/8 | 394 | 6-1/4 | 1/4 | 5-3/4 | 469 | 9 | 3/8 | 8-1/4 |
| 245 | 3-1/4 | 7/32 | 2-13/16 | 320 | 4-1/2 | 7/32 | 4-1/16 | 395 | 6-1/4 | 5/16 | 5-5/8 | 470 | 9 | 7/16 | 8-1/8 |
| 246 | 3-1/4 | 1/4 | 2-3/4 | 321 | 4-1/2 | 1/4 | 4 | 396 | 6-1/4 | 3/8 | 5-1/2 | 471 | 9 | 1/2 | 8 |
| 247 | 3-1/4 | 9/32 | 2-11/16 | 322 | 4-1/2 | 5/16 | 3-7/8 | 397 | 6-1/4 | 1/2 | 5-1/4 | 472 | 9 | 5/8 | 7-3/4 |
| 248 | 3-1/4 | 5/16 | 2-5/8 | 323 | 4-1/2 | 3/8 | 3-3/4 | 398 | 6-1/4 | 5/8 | 5 | 473 | 9 | 3/4 | 7-1/2 |
| 249 | 3-1/4 | 3/8 | 2-1/2 | 324 | 4-1/2 | 7/16 | 3-5/8 | 399 | 6-1/2 | 3/32 | 6-5/16 | 474 | 9-1/2 | 1/8 | 9-1/4 |
| 250 | 3-1/4 | 7/16 | 2-3/8 | 325 | 4-1/2 | 1/2 | 3-1/2 | 400 | 6-1/2 | 1/8 | 6-1/4 | 475 | 9-1/2 | 3/16 | 9-1/8 |
| 251 | 3-1/4 | 1/2 | 2-1/4 | 326 | 4-1/2 | 5/8 | 3-1/4 | 401 | 6-1/2 | 1/4 | 6 | 476 | 9-1/2 | 1/4 | 9 |
| 252 | 3-1/2 | 3/32 | 3-5/16 | 327 | 4-1/2 | 3/4 | 3 | 402 | 6-1/2 | 5/16 | 5-7/8 | 477 | 9-1/2 | 3/8 | 8-3/4 |
| 253 | 3-1/2 | 7/64 | 3-9/32 | 328 | 4-3/4 | 3/32 | 4-9/16 | 403 | 6-1/2 | 3/8 | 5-3/4 | 478 | 9-1/2 | 1/2 | 8-1/2 |
| 254 | 3-1/2 | 1/8 | 3-1/4 | 329 | 4-3/4 | 1/8 | 4-1/2 | 404 | 6-1/2 | 1/2 | 5-1/2 | 479 | 9-1/2 | 9/16 | 8-3/8 |
| 255 | 3-1/2 | 9/64 | 3-7/32 | 330 | 4-3/4 | 5/32 | 4-7/16 | 405 | 6-1/2 | 5/8 | 5-1/4 | 480 | 9-1/2 | 3/4 | 8 |
| 256 | 3-1/2 | 5/32 | 3-3/16 | 331 | 4-3/4 | 3/16 | 4-3/8 | 406 | 6-1/2 | 3/4 | 5 | 481 | 10 | 1/8 | 9-1/4 |
| 257 | 3-1/2 | 3/16 | 3-1/8 | 332 | 4-3/4 | 1/4 | 4-1/4 | 407 | 6-3/4 | 3/32 | 6-9/16 | 482 | 10 | 3/16 | 9-5/8 |
| 258 | 3-1/2 | 7/32 | 3-1/16 | 333 | 4-3/4 | 5/16 | 4-1/8 | 408 | 6-3/4 | 1/8 | 6-1/2 | 483 | 10 | 1/4 | 9-1/2 |
| 259 | 3-1/2 | 1/4 | 3 | 334 | 4-3/4 | 3/8 | 4 | 409 | 6-3/4 | 3/16 | 6-3/8 | 484 | 10 | 3/8 | 9-1/4 |
| 260 | 3-1/2 | 9/32 | 2-15/16 | 335 | 4-3/4 | 7/16 | 3-7/8 | 410 | 6-3/4 | 1/4 | 6-1/4 | 485 | 10 | 1/2 | 9 |
| 261 | 3-1/2 | 5/16 | 2-7/8 | 336 | 4-3/4 | 1/2 | 3-3/4 | 411 | 6-3/4 | 5/16 | 6-1/8 | 486 | 10 | 5/8 | 8-7/8 |
| 262 | 3-1/2 | 3/8 | 2-3/4 | 337 | 5 | 3/32 | 4-13/16 | 412 | 6-3/4 | 3/8 | 6 | 487 | 10 | 3/4 | 8-1/2 |
| 263 | 3-1/2 | 7/16 | 2-5/8 | 338 | 5 | 1/8 | 4-3/4 | 413 | 6-3/4 | 7/16 | 5-7/8 | 488 | 10-1/2 | 1/8 | 10-1/4 |
| 264 | 3-1/2 | 1/2 | 2-1/2 | 339 | 5 | 5/32 | 4-11/16 | 414 | 6-3/4 | 1/2 | 5-3/4 | 489 | 10-1/2 | 3/16 | 10-1/8 |
| 265 | 3-5/8 | 3/32 | 3-7/16 | 340 | 5 | 3/16 | 4-5/8 | 415 | 6-3/4 | 3/4 | 5-1/4 | 490 | 10-1/2 | 1/4 | 10 |
| 266 | 3-5/8 | 1/8 | 3-1/2 | 341 | 5 | 7/32 | 4-9/16 | 416 | 7 | 3/32 | 6-13/16 | 491 | 10-1/2 | 3/8 | 9-3/4 |
| 267 | 3-5/8 | 5/32 | 3-5/16 | 342 | 5 | 1/4 | 4-1/2 | 417 | 7 | 1/8 | 6-3/4 | 492 | 10-1/2 | 1/2 | 9-1/2 |
| 268 | 3-5/8 | 3/16 | 3-1/4 | 343 | 5 | 5/16 | 4-3/8 | 418 | 7 | 3/16 | 6-5/8 | 493 | 10-1/2 | 3/4 | 9 |
| 269 | 3-5/8 | 7/32 | 3-3/16 | 344 | 5 | 3/8 | 4-1/4 | 419 | 7 | 1/4 | 6-1/2 | 494 | 11 | 3/16 | 10-5/8 |
| 270 | 3-5/8 | 1/4 | 3-1/8 | 345 | 5 | 7/16 | 4-1/8 | 420 | 7 | 5/16 | 6-3/8 | 495 | 11 | 1/4 | 10-1/2 |
| 271 | 3-5/8 | 3/8 | 2-7/8 | 346 | 5 | 1/2 | 4 | 421 | 7 | 3/8 | 6-1/4 | 496 | 11 | 3/8 | 10-1/4 |
| 272 | 3-5/8 | 7/16 | 2-3/4 | 347 | 5 | 5/8 | 3-3/4 | 422 | 7 | 1/2 | 6 | 497 | 11 | 1/2 | 10 |
| 273 | 3-3/4 | 3/32 | 3-9/16 | 348 | 5 | 3/4 | 3-1/2 | 423 | 7 | 5/8 | 5-3/4 | 498 | 11-3/4 | 3/16 | 11-3/8 |
| 274 | 3-3/4 | 1/8 | 3-1/2 | 349 | 5-1/4 | 3/32 | 5-1/16 | 424 | 7 | 3/4 | 5-1/2 | 499 | 11-3/4 | 1/4 | 11-1/4 |
| 275 | 3-3/4 | 5/32 | 3-7/16 | 350 | 5-1/4 | 1/8 | 5 | 425 | 7-1/4 | 1/8 | 7 | 500 | 11-3/4 | 3/8 | 11 |
| 276 | 3-3/4 | 3/16 | 3-3/8 | 351 | 5-1/4 | 5/32 | 4-15/16 | 426 | 7-1/4 | 3/16 | 6-7/8 | 501 | 11-3/4 | 1/2 | 10-3/4 |
| 277 | 3-3/4 | 7/32 | 3-5/16 | 352 | 5-1/4 | 3/16 | 4-7/8 | 427 | 7-1/4 | 1/4 | 6-3/4 | 502 | 11-3/4 | 9/16 | 10-5/8 |
| 278 | 3-3/4 | 1/4 | 3-1/4 | 353 | 5-1/4 | 1/4 | 4-3/4 | 428 | 7-1/4 | 5/16 | 6-5/8 | 503 | 11-3/4 | 5/8 | 10-1/2 |
| 279 | 3-3/4 | 5/16 | 3-1/8 | 354 | 5-1/4 | 5/16 | 4-5/8 | 429 | 7-1/4 | 3/8 | 6-1/2 | 504 | 11-3/4 | 11/16 | 10-3/8 |
| 280 | 3-3/4 | 3/8 | 3 | 355 | 5-1/4 | 3/8 | 4-1/2 | 430 | 7-1/4 | 1/2 | 6-1/4 | 505 | 11-3/4 | 3/4 | 10-1/4 |
| 281 | 3-3/4 | 7/16 | 2-7/8 | 356 | 5-1/4 | 7/16 | 4-3/8 | 431 | 7-1/2 | 3/32 | 7-5/16 | 506 | 11-3/4 | 1 | 9-3/4 |
| 282 | 3-3/4 | 1/2 | 2-3/4 | 357 | 5-1/4 | 1/2 | 4-1/4 | 432 | 7-1/2 | 1/8 | 7-1/4 | 507 | 12 | 1/8 | 11-3/4 |
| 283 | 3-7/8 | 3/32 | 3-11/16 | 358 | 5-1/4 | 5/8 | 4 | 433 | 7-1/2 | 3/16 | 7-1/8 | 508 | 12 | 3/16 | 11-5/8 |
| 284 | 3-7/8 | 1/8 | 3-5/8 | 359 | 5-1/2 | 3/32 | 5-5/16 | 434 | 7-1/2 | 1/4 | 7 | 509 | 12 | 1/4 | 11-1/2 |
| 285 | 3-7/8 | 5/32 | 3-9/16 | 360 | 5-1/2 | 1/8 | 5-1/4 | 435 | 7-1/2 | 5/16 | 6-7/8 | 510 | 12 | 3/8 | 11-1/4 |
| 286 | 3-7/8 | 3/16 | 3-1/2 | 361 | 5-1/2 | 5/32 | 5-3/16 | 436 | 7-1/2 | 3/8 | 6-3/4 | 511 | 12 | 1/2 | 11 |
| 287 | 3-7/8 | 1/4 | 3-3/8 | 362 | 5-1/2 | 3/16 | 5-1/8 | 437 | 7-1/2 | 1/2 | 6-1/2 | 512 | 12 | 5/8 | 10-3/4 |
| 288 | 3-7/8 | 5/16 | 3-1/4 | 363 | 5-1/2 | 1/4 | 5 | 438 | 7-1/2 | 3/4 | 6 | 513 | 12 | 3/4 | 10-1/2 |
| 289 | 3-7/8 | 3/8 | 3-1/8 | 364 | 5-1/2 | 5/16 | 4-7/8 | 439 | 7-3/4 | 1/8 | 7-1/2 | 514 | 12-3/4 | 1/8 | 12-1/2 |
| 290 | 4 | 3/32 | 3-13/16 | 365 | 5-1/2 | 3/8 | 4-3/4 | 440 | 7-3/4 | 3/16 | 7-3/8 | 515 | 12-3/4 | 3/16 | 12-3/8 |
| 291 | 4 | 7/64 | 3-25/32 | 366 | 5-1/2 | 7/16 | 4-5/8 | 441 | 7-3/4 | 1/4 | 7-1/4 | 516 | 12-3/4 | 1/4 | 12-1/4 |
| 292 | 4 | 1/8 | 3-3/4 | 367 | 5-1/2 | 1/2 | 4-1/2 | 442 | 7-3/4 | 5/16 | 7-1/8 | 517 | 12-3/4 | 1/2 | 11-3/4 |
| 293 | 4 | 9/64 | 3-23/32 | 368 | 5-1/2 | 9/16 | 4-3/8 | 443 | 7-3/4 | 3/8 | 7 | 518 | 12-3/4 | 9/16 | 11-5/8 |
| 294 | 4 | 5/32 | 3-11/16 | 369 | 5-1/2 | 5/8 | 4-1/4 | 444 | 7-3/4 | 1/2 | 6-3/4 | 519 | 12-3/4 | 3/4 | 11-1/4 |
| 295 | 4 | 3/16 | 3-5/8 | 370 | 5-1/2 | 3/4 | 4 | 445 | 7-3/4 | 3/4 | 6-1/4 | | | | |