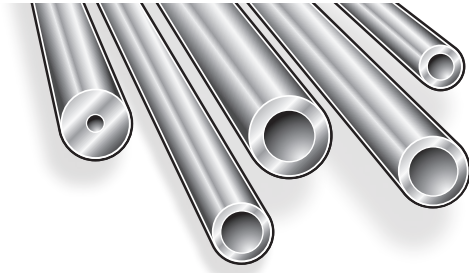


# Durelloy™

## 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     |

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