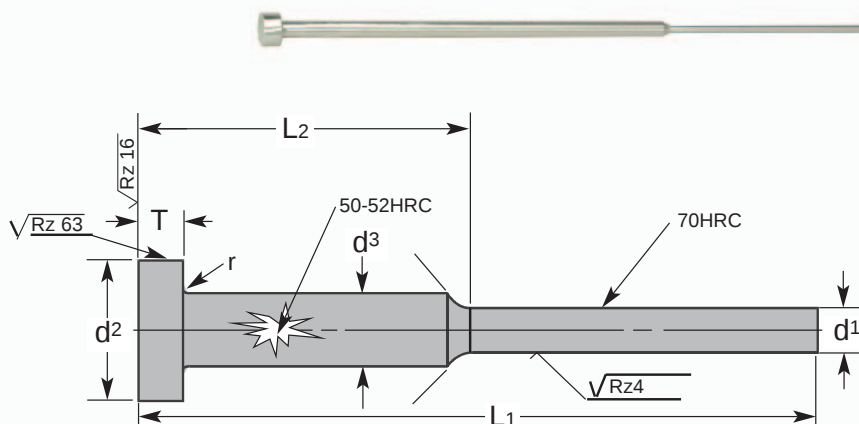


# Metric Step Pins



|          |      |
|----------|------|
| TYPE     | C    |
| ISO      | 8694 |
| MATERIAL | H-13 |

| Tolerances mm          |              |
|------------------------|--------------|
| Pin Diameter (d1)      | g6           |
| Shoulder Diameter (d3) | -0.10        |
| Head Diameter (d2)     | -0.20        |
| Head Thickness (T)     | -0.05        |
| Length (L1)            | +2.0         |
| Length (L2)            | -1.0<br>-2.0 |
| Radius (r)             | +0.2         |

SEE METRIC TOLERANCE  
CHART ON PAGE G1

| CATALOG<br>NUMBER | d1<br>PIN<br>DIA | d3<br>SHLD<br>DIA | d2<br>HEAD<br>DIA | T<br>HEAD<br>THICK | r<br>RADIUS | L1 | L2 | L1  | L2 | L1  | L2 | L1  | L2 | L1  | L2 |
|-------------------|------------------|-------------------|-------------------|--------------------|-------------|----|----|-----|----|-----|----|-----|----|-----|----|
|                   |                  |                   |                   |                    |             | 80 | 32 | 100 | 50 | 140 | 50 | 160 | 63 | 200 | 80 |
| MS-10-2-          | 1.00             | 2                 | 4                 | 2                  | 0.2         | •  |    | •   |    | •   |    | •   |    | •   |    |
| MS-11-2-          | 1.10             | 2                 | 4                 | 2                  | 0.2         | •  |    | •   |    | •   |    | •   |    |     |    |
| MS-12-2-          | 1.20             | 2                 | 4                 | 2                  | 0.2         | •  |    | •   |    | •   |    | •   |    |     |    |
| MS-13-2-          | 1.30             | 2                 | 4                 | 2                  | 0.2         | •  |    | •   |    | •   |    | •   |    |     |    |
| MS-14-2-          | 1.40             | 2                 | 4                 | 2                  | 0.2         | •  |    | •   |    | •   |    | •   |    |     |    |
| MS-10-3-          | 1.00             | 3                 | 6                 | 3                  | 0.3         |    |    | •   |    |     |    | •   |    | •   |    |
| MS-15-3-          | 1.50             | 3                 | 6                 | 3                  | 0.3         | •  |    | •   |    | •   |    | •   |    | •   |    |
| MS-16-3-          | 1.60             | 3                 | 6                 | 3                  | 0.3         | •  |    | •   |    |     |    | •   |    | •   |    |
| MS-17-3-          | 1.70             | 3                 | 6                 | 3                  | 0.3         | •  |    | •   |    |     |    | •   |    | •   |    |
| MS-18-3-          | 1.80             | 3                 | 6                 | 3                  | 0.3         | •  |    | •   |    |     |    | •   |    | •   |    |
| MS-19-3-          | 1.90             | 3                 | 6                 | 3                  | 0.3         | •  |    | •   |    | •   |    | •   |    | •   |    |
| MS-20-3-          | 2.00             | 3                 | 6                 | 3                  | 0.3         | •  |    | •   |    |     |    | •   |    | •   |    |
| MS-22-3-          | 2.20             | 3                 | 6                 | 3                  | 0.3         | •  |    | •   |    | •   |    | •   |    | •   |    |
| MS-25-3-          | 2.50             | 3                 | 6                 | 3                  | 0.3         |    |    | •   |    |     |    | •   |    | •   |    |

NOTE: Add overall length to end of catalog number (MS10-2-80)