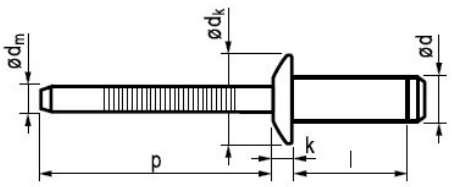
# 1471 ST-ST MASTERLOCK high strength structural rivet with dome head (vibration resistant)

**Rivet body: Steel, RoHS surface treatment**
**Mandrel: Steel, RoHS surface treatment**




| Ød * Drill hole mm | l: length (mm) +1/-0,2 | Grip range mm | Part no. | Ødk mm | k mm | Ødm mm | p mm | Tensile Newton | Shear Newton | Description |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,8 [+0,11/-0,05] *Ø 4,9 [5,1 max] | 9,0 | 1,5-3,5 | 1471-4809 | 9,8 [+/-0,3] | 2,2 [+/-0,2] | ~3,02 | ≥32 | 3600 | min 3920 max 6270 | 4,8*9 D head Steel/Steel high strength |
| | 11,5 | 3,5-6,0 | 1471-4811 | | | | | | | 4,8*11 Dome head St/St high strength rivet |
| | 14,0 | 6,0-8,5 | 1471-4814 | | | | | | | 4,8*14 D head Steel/Steel high strength |
| | 16,5 | 8,5-11,0 | 1471-4816 | | | | | | | 4,8*16 Dome head St/St high strength rivet |
| 6,4 [+0,11/-0,05] *Ø 6,6 [6,8 max] | 10,5 | 2,8-4,8 | 1471-6410 | 13,0 [+/-0,3] | 3,0 [+/-0,2] | ~4,17 | ≥32 | 6600 | min 5390 max 11180 | 6,4*10 D head Steel/Steel high strength |
| | 12,5 | 4,8-6,8 | 1471-6412 | | | | | | | 6,4*12 Dome head St/St high strength rivet |
| | 14,5 | 6,8-8,8 | 1471-6414 | | | | | | | 6,4*14 D head Steel/Steel high strength |
| | 16,5 | 8,8-10,8 | 1471-6416 | | | | | | | 6,4*16 Dome head St/St high strength rivet |
| | 18,5 | 10,8-12,8 | 1471-6418 | | | | | | | 6,4*18 D head Steel/Steel high strength |
| | 20,5 | 12,8-14,8 | 1471-6420 | | | | | | | 6,4*20 Dome head St/St high strength rivet |

**Technical specifications:**
- it has stronger shear/tensile strength as the regular rivets
- vibration resistant
- at the backside of the rivet has more deformation like the regular rivet, so the clinching force will be spreaded more efficiently
- after riveting the stem/mandrel of rivet fixed in the rivet body, thus it will become vibration resistant (stem/mandrel will be fixed in the rivet body)
- deformation of the backside of the rivet is aesthetic
- alternative of Avdel HEMLOK (see 2221)