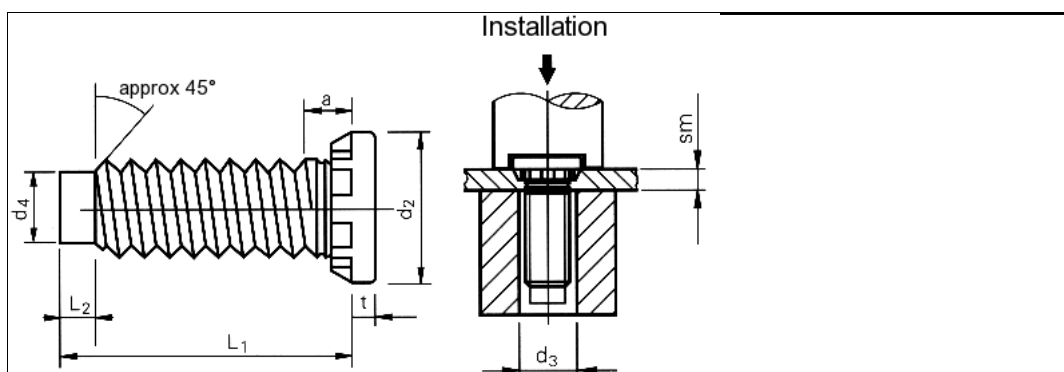


## Data sheet - HFHD-M10-20

### Self-clinching dog-point studs



|                                          |                                                                                  |
|------------------------------------------|----------------------------------------------------------------------------------|
| 3D-Data available                        |                                                                                  |
| Application                              | Self-clinching studs with dog-point for automatic installation.                  |
| Order description                        | HFHD-M10-20                                                                      |
| Thread d1                                | M10                                                                              |
| Hole-Ø in the sheet<br>+0.13<br>0        | 10 mm                                                                            |
| Min. edge distance up to the hole centre | 13.7 mm                                                                          |
| d4 ±0.13                                 | 7.72 mm                                                                          |
| d3                                       | 10.1 mm                                                                          |
| L2 ±0.25                                 | 3.43 mm                                                                          |
| d2 ±0.25                                 | 15.7 mm                                                                          |
| Max. a                                   | 4.1 mm                                                                           |
| Max. t                                   | 2.29 mm                                                                          |
| Min. sm                                  | 2.3 mm                                                                           |
| L1 ±0.4                                  | 20 mm                                                                            |
| Material                                 | Grade 9.8 through-hardened zinc-plated carbon steel (other finishes on request). |
| Use                                      | For sheet hardnesses up to HRB 85.                                               |
| Tools                                    |                                                                                  |
| Insertion machines                       |                                                                                  |

uniform resource locator: