



| d      | max. l <sub>S</sub><br>[mm] | min. l <sub>E</sub><br>[mm] | FM/UL<br>d <sub>net</sub> | VdS<br>d <sub>net</sub> |
|--------|-----------------------------|-----------------------------|---------------------------|-------------------------|
| 3/4"   | 13                          | 15                          | M10                       | M8/M10                  |
| 1"     | 13                          | 15                          | M10                       | M8/M10                  |
| 1 1/4" | 13                          | 15                          | M10                       | M8/M10                  |
| 1 1/2" | 13                          | 15                          | M10                       | M8/M10                  |
| 2"     | 13                          | 15                          | M10                       | M8/M10                  |
| 2 1/2" | 13                          | 15                          | M10                       | M10                     |
| 3"     | 13                          | 15                          | M10                       | M10                     |
| 4"     | 13                          | 15                          | M10                       | M10                     |
| 133    | 13                          | 20                          | M12                       | M12                     |
| 5"     | 13                          | 20                          | M12                       | M12                     |
| 159    | 13                          | 20                          | M12                       | M12                     |
| 6"     | 13                          | 20                          | M12                       | M12                     |
| 219.1  | 13                          | 25                          | M16                       | M16                     |

\* Counter nut  
Tighten by hand  
+ 1/4 turn with spanner