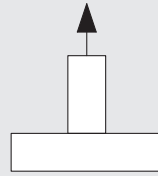


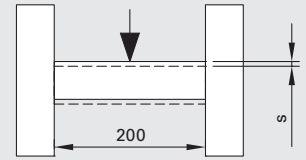
## Fastener Loads

Static Test  
Basic values only

A safety factor of 3  
is recommended.



Maximum force  
(Breaking force)



Maximum force  
(Deflection force)

Deflection force  
at  $s = 1 \text{ mm}$

| Fastener configuration                 | Fastener model     | Maximum force (Breaking force) | Maximum force (Deflection force) | Deflection force at $s = 1 \text{ mm}$ |
|--|--------------------|--------------------------------|----------------------------------|--|
| Fastener with 2 drop-in nuts and bolts | PIL 4040           | 21 kN                          | 12 kN                            | 5.5 kN                                 |
|  | PIL 4080 (upright) |                                |                                  |  |
| Fastener with 4 drop-in nuts and bolts | PIL 4080 (flat)    | 43 kN                          | 21 kN                            | 11.5 kN                                |
|  | PIL 8080           |                                |                                  |  |
| Fastener with 2 drop-in nuts and bolts | PIL 5050           | 40 kN                          | 10 kN                            | 6 kN                                   |
|  | PIL 5010 (upright) |                                |                                  |  |
|  | PIL 5020 (upright) |                                |                                  |  |
| Fastener with 4 drop-in nuts and bolts | PIL 5010 (flat)    | 76 kN                          | 19 kN                            | 9.5 kN                                 |
|  | PIL 1010           |                                |                                  |  |
|  | PIL 1020 (upright) | 64 kN                          | 12 kN                            | 8 kN                                   |
| Fastener with 8 drop-in nuts and bolts | PIL 5020 (flat)    | 150 kN                         | 35 kN                            | 15 kN                                  |
|  | PIL 1020 (flat)    | 110 kN                         |                                  |  |