

Sub-D Mating/Unmating forces

The following values are typical forces for mating and unmating Sub-D connectors.

These values are valid for standard air side connectors. Nevertheless, vacuum connectors use comparable pins, so they are a good approximation also for the connector - feedthrough force

1) Standard Sub-D

| | |
|--------------------|--------|
| 9-pin | <=30N |
| 15-pin | <=50N |
| 25-pin | <=83N |
| 37-pin | <=123N |
| 50-pin | <=167N |
| → about 3.3N / pin | |

2) High Density Sub-D

| | |
|--------------------|--------|
| 15-pin | <=50N |
| 26-pin | <=83N |
| 44-pin | <=110N |
| 62-pin | <=170N |
| 78-pin | <=215N |
| → about 2.8N / pin | |