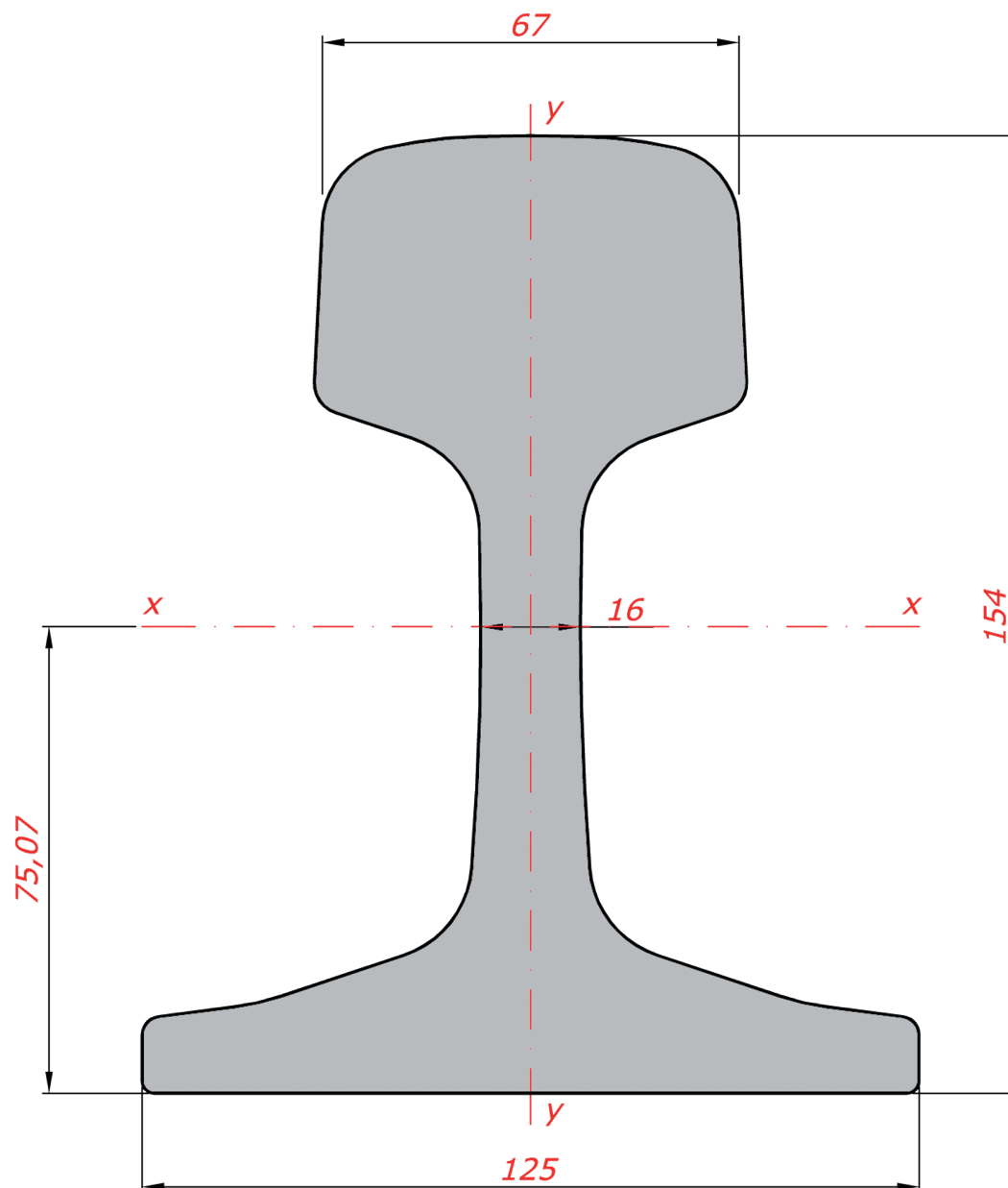




|                            |       |                 |
|----------------------------|-------|-----------------|
| MASS                       | 54,57 | kg/m            |
| AREA                       | 69,52 | cm <sup>2</sup> |
| MOMENT OF INERTIA x-x      | 2074  | cm <sup>4</sup> |
| MOMENT OF INERTIA y-y      | 354,8 | cm <sup>4</sup> |
| SECTION MODULUS x-x - HEAD | 262,8 | cm <sup>3</sup> |
| SECTION MODULUS x-x - BASE | 276,3 | cm <sup>3</sup> |
| SECTION MODULUS y-y        | 56,8  | cm <sup>3</sup> |



## SUITABLE FASTENING SYSTEM FOR RAIL 54 E3 (S 54 DIN)

INDIRECT FIXING

DIRECT FIXING

### WITHOUT PAD

| FASTENING SERIES | LATERAL ADJUSTMENT | SIDE LOAD | TORQUE TIGHTENING | FASTENING SYSTEM |
|------------------|--------------------|-----------|-------------------|------------------|
| VALEX 1004       | 10                 | 60        | 175               | VALEX 1004-29-18 |
| VALEX 3016       | -                  | 50        | 175               | VALEX 3016-28-9  |
| VALEX 3116       | -                  | 80        | 175               | VALEX 3116-28-12 |
| VALEX 5016       | 10                 | 55        | 150               | VALEX 5016-38-8  |
| VALEX 5020       | 14                 | 100       | 275               | VALEX 5020-38-9  |
| VALEX 5024       | -                  | -         | -                 | -                |
| VALEX 5116       | 10                 | 125       | 150               | VALEX 5116-34-8  |
| VALEX 5120       | 14                 | 200       | 275               | VALEX 5120-39-8  |
| VALEX 5124       | -                  | -         | -                 | -                |
| VALEX 9022       | -                  | -         | -                 | -                |

| FASTENING SERIES | LATERAL ADJUSTMENT | SIDE LOAD | TORQUE TIGHTENING | FASTENING SYSTEM |
|------------------|--------------------|-----------|-------------------|------------------|
| VALEX 2012       | -                  | -         | -                 | -                |
| VALEX 2016       | 10                 | 35        | 175               | VALEX 2016-32-6  |
| VALEX 2020       | 15                 | 75        | 320               | VALEX 2020-35-8  |
| VALEX 2024       | 15                 | 125       | 550               | VALEX 2024-42-9  |
| VALEX 2124       | 15                 | 250       | 550               | VALEX 2124-42-9  |
| VALEX 4000       | -                  | -         | -                 | -                |
| VALEX 6024       | -                  | -         | -                 | -                |
| VALEX 7020       | 10                 | 75        | 320               | VALEX 7020-40-10 |
| VALEX F          | -                  | -         | -                 | -                |
| VALEX D          | -                  | -         | -                 | -                |
| VALEX D/M        | -                  | -         | -                 | -                |

### WITH PAD

| FASTENING SERIES | LATERAL ADJUSTMENT | SIDE LOAD | TORQUE TIGHTENING | FASTENING SYSTEM |
|------------------|--------------------|-----------|-------------------|------------------|
| VALEX 1004       | 10                 | 60        | 175               | VALEX 1004-33-22 |
| VALEX 3016       | -                  | -         | -                 | -                |
| VALEX 3116       | -                  | 80        | 175               | VALEX 3116-28-5  |
| VALEX 5016       | 10                 | 55        | 150               | VALEX 5016-32-15 |
| VALEX 5020       | 14                 | 100       | 275               | VALEX 5020-38-16 |
| VALEX 5024       | -                  | -         | -                 | -                |
| VALEX 5116       | 10                 | 125       | 150               | VALEX 5116-32-13 |
| VALEX 5120       | 14                 | 200       | 275               | VALEX 5120-39-16 |
| VALEX 5124       | -                  | -         | -                 | -                |
| VALEX 9022       | -                  | -         | -                 | -                |

| FASTENING SERIES | LATERAL ADJUSTMENT | SIDE LOAD | TORQUE TIGHTENING | FASTENING SYSTEM |
|------------------|--------------------|-----------|-------------------|------------------|
| VALEX 2012       | -                  | -         | -                 | -                |
| VALEX 2016       | -                  | -         | -                 | -                |
| VALEX 2020       | 15                 | 75        | 320               | VALEX 2020-35-15 |
| VALEX 2024       | 15                 | 125       | 550               | VALEX 2024-42-13 |
| VALEX 2124       | 15                 | 250       | 550               | VALEX 2124-42-13 |
| VALEX 4000       | -                  | -         | -                 | -                |
| VALEX 6024       | -                  | -         | -                 | -                |
| VALEX 7020       | 10                 | 75        | 320               | VALEX 7020-40-15 |
| VALEX F          | -                  | -         | -                 | -                |
| VALEX D          | -                  | -         | -                 | -                |
| VALEX D/M        | -                  | -         | -                 | -                |