

Low Profile Shim Boots

- Helashrink 313E Series, without adapter lip

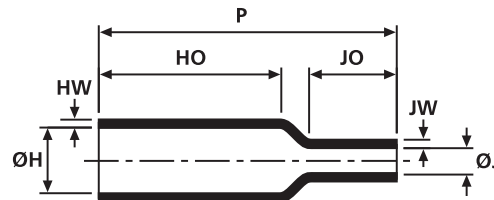
This part is normally used to build up or shim a cable diameter to facilitate a better fit for components in a cable harness.



313E445-457 Series supplied / fully recovered.



a: Expanded form (supplied)



b: Fully recovered form (after heating)

| Sizes and Type Table | | | | | | | | | |
|----------------------|--------------|--------------|--------------|--------------|-----------|-------------|-------------|-------------|-------------|
| Type | ØH min. a | ØH max. b | ØJ min. a | ØJ max. b | P ±10% | HO ± 10% | HW ± 25% | JW ± 25% | JO ± 10% |
| 313E445 | 12.7 | 12.7 | 11.1 | 3.3 | 63.5 | 41.1 | 1.5 | 1.5 | 15.7 |
| 313E455 | 22.1 | 22.1 | 11.2 | 3.3 | 53.3 | 27.9 | 2.3 | 1.5 | 15.7 |
| 313E447 | 20.8 | 14.7 | 20.6 | 9.9 | 63.5 | 41.1 | 1.5 | 1.5 | 16.5 |
| 313E457 | 22.1 | 22.1 | 20.6 | 9.9 | 53.3 | 27.9 | 2.3 | 1.5 | 14.0 |

All dimensions in mm. Subject to technical changes.

For Material / Adhesive selection and other information please refer to page 10.

| Combinations "On request" | | | |
|---------------------------|----------|---|---|
| Adhesive | Material | | |
| | 9 | 8 | 6 |
| TSA-200 | √ | √ | √ |
| WM250 | √ | √ | √ |
| W8 | √ | √ | √ |
| W24 | √ | √ | √ |
| V9500 | √ | √ | √ |
| HMT200A | √ | √ | √ |
| Without Adhesive | √ | √ | √ |

| Standard combinations | |
|-----------------------|-----------|
| Article-No. | Type |
| 422-10000 | 313E445-9 |
| 422-10200 | 313E455-9 |
| 422-10100 | 313E447-9 |
| 422-10300 | 313E457-9 |