

**Low Profile Shim Boots**

- Helashrink 313E Series, without adapter lip

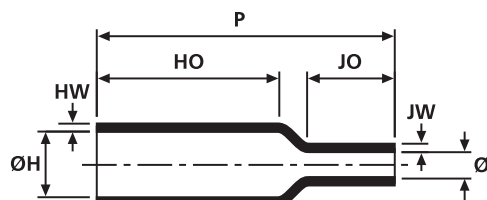
This part is normally used to build up or shim a cable diameter to facilitate a better fit for components in a cable harness.



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