

# SHVA

## Stainless steel support sleeve for PE 80, PE 100 and PEX pipes

Stainless steel inner support sleeve with cotter for use with FRIAGRIP, Ultra-Range and Wide-Range on PE-HD/PEX pipes, for thin-walled PVC pipes < SDR21 on request.

SHVA wall thickness  $\leq$  d180: 1 mm,  $\geq$  d 200: 2 mm.

The support sleeves d40 and d50 are flanged bushes without cotter. The support sleeves from d 450 consist of 2 half shells and 2 clamping wedges (L1 = wedge length).



Reference	d	BX	PU	L	SDR	Weight kg
670501	40	20	500	110	11	0,200
670502	50	20	500	110	11	0,200
670503	63	40	500	130	17	0,150
670504	63	40	500	130	11	0,150
670505	75	6	500	130	17	0,200
670506	75	6	500	130	11	0,200
670507	90	40	500	130	17	0,300
670508	90	40	500	130	11	0,240
670509	110	25	500	150	17	0,350
670510	110	25	500	150	11	0,300
670511	125	22	500	150	17	0,350
670512	125	22	500	150	11	0,400
670513	140	9	500	150	17	0,450
670514	140	9	500	150	11	0,400
670515	160	12	500	175	17	0,550
670516	160	12	500	175	11	0,500
670517	180	12	500	175	17	0,600
670518	180	18	500	175	11	0,700
670519	200	16	-	180	17	1,100

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## Stainless steel support sleeve for PE 80, PE 100 and PEX pipes

Reference	d	BX	PU	L	SDR	Weight kg
670520	200	16	-	180	11	1,100
670521	225	12	-	180	17	1,860
670522	225	16	-	180	11	1,860
670523	250	2	-	180	17	2,050
670524	250	2	-	180	11	2,050
670527	280	16	500	200	17	2,800
670528	280	16	500	200	11	2,500
670525	315	2	-	200	17	2,760
670526	315	2	-	200	11	2,760
670533	355	2	-	200	17	3,230
670534	355	2	-	200	11	3,230
670529	400	2	-	200	17	3,840
670530	400	2	-	200	11	3,840
670531	450	2	-	250	17	3,400
670532	450	2	-	250	11	3,400
670535	500	1	-	250	17	3,780
670536	500	1	-	250	11	3,780
670537	560	1	-	250	17	2,140
670538	560	1	-	250	11	2,140
670539	630	1	-	250	17	2,410
670540	630	1	-	250	11	2,410
670541	710	1	-	250	17	2,710
670542	710	1	-	250	11	2,710

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## Stainless steel support sleeve for PE 80, PE 100 and PEX pipes

Stainless steel support sleeve with clamping wedge for use with FRIAGRIP, Ultra-Range and Wide-Range on PE-HD/PEX pipes, for thin-walled PVC pipes < SDR 21 on request.

SHVA wall thickness  $\leq d$  180: 1 mm,  $\geq d$  200: 2 mm.

The support sleeves d 40 and d 50 are flanged bushes without wedge.

The support sleeves from d 450 consist of 2 half shells and 2 clamping wedges (L1 = wedge length).

### Areas of application

SHVA are available from d 40 to d 710; from d 63 in SDR 11 or SDR 17. They are used to prevent the PE pipe from cold flowing under the pressure of the fitting seal. With thin-walled PVC pipes < SDR 21, SHVA counteract the mechanical constriction of the pipe.

In order to compensate for pipe tolerances and ovality, the tension of the support sleeve is applied by one wedge from d 63 and two wedges from d 450.

SHVA are made of V2A steel.

### Processing instructions

SHVA are mandatory when using FRIAGRIP, Ultra-Range and Wide-Range fittings on PE-HD/PEX pipes in order to prevent the PE pipe from cold flowing.

SHVA are also mandatory when working with thin-walled PVC pipes < SDR 21

Installation is carried out in accordance with the current FRIAGRIP installation instructions.

Special SHVA dimensions, for example for thin-walled PVC pipes < SDR 21 or other SDR levels, can be manufactured on request.

### Good reasons for the SHVA support sleeve

Only by using SHVA can a permanently tight connection be created with PE-HD/PEX pipes.

SHVA and FRIAGRIP / Ultra-Range / Wide-Range are a coordinated system approved by the manufacturer.

Support sleeves from other manufacturers may fail, which can lead to leaks or loss of function.

The overall length, wall thickness, wedge length and angle are optimized for the respective pipe diameters and designed for the FRIAGRIP / Ultra-Range / Wide-Range fitting ranges.