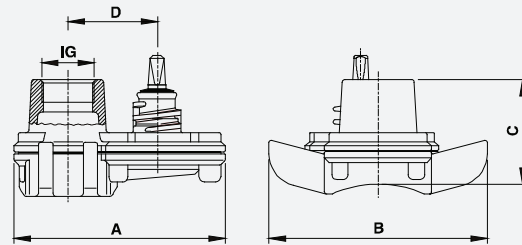
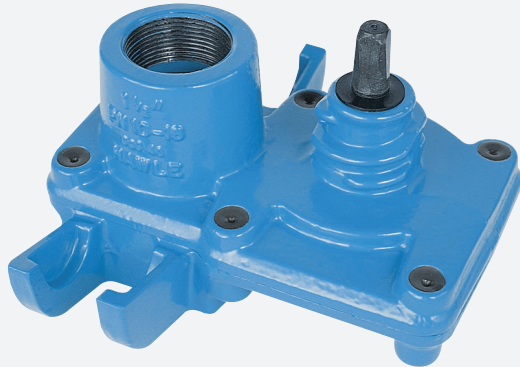


Universal Hawlinger with vertical female thread outlet

240



Technical features

Medium

Potable water, Gas

Max. operating pressure

Gas: 5 bar

Potable water: 16 bar

Material

Body: GJS-400, Hawle epoxy powder coated

Spindle, shut-off device, shut-off blade: stainless steel

Gasket: EPDM for potable water or NBR for gas

Description

Universal Hawlinger pipe drilling saddles are to be used for installation on DCI, steel, and AC pipes DN 65 - DN 500. Adaptation to the main pipe is effected via holding strap and saddle gasket (model no. 310 or model no. 311) of the appropriate nominal width.

In combination with fittings (see chapter 14), the upper female thread outlet is used to connect service lines.

All Hawle pipe drilling saddles type Hawlinger are provided with a shut-off blade of stainless steel driven via slotted link gear as shut-off device. The shut-off

blade is moved in a housing at low wear in horizontal direction against fixed metal stops.

To open or close the outlet area only one half revolution (180°) is required. In combination with a drilling device (e.g. HAWLOMAT, model no. 830) the shut-off system permits the easy under pressure drilling of the main line.

Product number	Upper outlet	A	B	C	D	Borehole max.	Description	Medium	Weight
2400000009	-	-	-	-	-	-	drainage fuction on request	P	0,00 kg
2400320000	female thread 1"	165 mm	200 mm	95 mm	68 mm	24 mm	-	P	4,30 kg
2400400000	female thread 1 1/4"	165 mm	200 mm	95 mm	68 mm	24 mm	-	P	4,30 kg
2400500000	female thread 1 1/2"	195 mm	200 mm	95 mm	82 mm	36 mm	-	P	5,40 kg
8700000000	-	-	-	-	-	-	Surcharge for spindle bore	P, G, S	0,00 kg

Product numbers for gas on request.

Product add-ons:

Pipe drilling device see chapter 18, Borehole sealing sleeve see chapter 8
 Extension Spindles and Handwheels see chapter 9, Fittings see chapter 14
 Straps see chapter 8, Surface boxes and base plates see chapter 12



Technical features

Medium

Potable water, Gas, Sewage water

Material

Strap plate: stainless steel with rubber pad

Threaded pin: stainless steel

Nuts: DIN 934 - stainless steel

Gripping jaws: glass fibre reinforced polyamide

Saddle gasket: EPDM for potable water or NBR for gas

Description

Hawle straps are used for the reliable installation of pipe drilling saddles and valve saddles at DCI and steel pipes (see table).

The extra-wide contact area of 65 mm (only 50 mm are required for steel and DCI pipes) guarantees a minimum of contact pressure at the pipe.

The supplied saddle gasket compensates the respective pipe diameter to the drilling saddle, thus reliably seals the borehole.

Product number	d	Steel-PE-FZM	Steel-PE	Steel	Cast Iron	Cl - PE	Cement coated cast iron	Medium	Weight
3110800365	75 - 88 mm	-	65	65	65	-	65	P, S	0,75 kg
3110800375	79 - 92 mm	-	65	-	-	-	-	P, S	0,75 kg
3110800400	88 - 103 mm	-	80	80	80	80	-	P, S	0,75 kg
3111000435	104 - 114 mm	-	-	-	-	-	80	P, S	0,80 kg
3111000445	107 - 120 mm	80	100	100	-	-	-	P, S	0,80 kg
3111000450	110 - 123 mm	-	100	100	100	100	-	P, S	0,80 kg
3111000460	116 - 128 mm	-	-	-	-	100	100	P, S	0,80 kg
3111000490	126 - 139 mm	100	125	-	-	-	-	P, S	0,90 kg
3111250520	138 - 151 mm	100	125	125	125	125	-	P, S	0,90 kg
3111250540	146 - 158 mm	-	-	-	-	125	125	P, S	0,90 kg
3111500570	157 - 169 mm	125	-	150	-	-	-	P, S	0,95 kg
3111500595	166 - 178 mm	125	150	150	150	150	-	P, S	0,95 kg
3111500620	175 - 188 mm	-	-	-	-	-	150	P, S	1,00 kg
3111500630	178 - 191 mm	-	-	-	-	-	150	P, S	1,00 kg
3111750645	183 - 196 mm	150	-	-	175	-	-	P, S	1,00 kg
3112000685	199 - 210 mm	-	-	-	-	-	-	P, S	1,05 kg
3112000710	208 - 220 mm	-	-	200	-	-	-	P, S	1,05 kg
3112000725	213 - 225 mm	-	200	200	200	-	-	P, S	1,10 kg
3112000745	220 - 232 mm	-	200	-	200	200	200	P, S	1,10 kg
3112000770	229 - 241 mm	-	-	-	-	-	200	P, S	1,10 kg
3112250800	239 - 251 mm	200	-	-	225	-	-	P, S	1,15 kg
3112250830	250 - 262 mm	-	-	-	225	-	-	P, S	1,15 kg
3112500865	262 - 274 mm	-	-	250	250	-	-	P, S	1,20 kg
3112500905	275 - 287 mm	-	250	250	-	250	250	P, S	1,20 kg
3112750935	286 - 298 mm	250	-	-	-	-	-	P, S	1,25 kg
3113000975	299 - 311 mm	-	-	-	-	-	-	P, S	1,30 kg
3113000995	306 - 318 mm	-	-	-	-	-	-	P, S	1,30 kg
3113001035	319 - 331 mm	-	300	300	300	300	-	P, S	1,35 kg
3113001055	326 - 337 mm	-	300	-	-	300	-	P, S	1,40 kg

P = Potable water G = Gas S = Sewage water C = Cable

Hawle strap - stainless steel

311

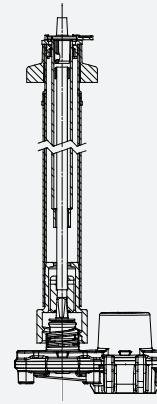


Product number	d	Steel-PE-FZM	Steel-PE	Steel	Cast Iron	CI - PE	Cement coated cast iron	Medium	Weight
3113001085	334 - 346 mm	-	-	-	-	-	-	P, S	1,40 kg
3113001120	347 - 358 mm	300	-	350	-	-	-	P, S	1,45 kg
3113501155	359 - 370 mm	-	350	-	-	-	-	P, S	1,45 kg
3113501205	375 - 387 mm	350	-	-	350	350	-	P, S	1,50 kg
3113501270	396 - 409 mm	-	-	400	-	-	-	P, S	1,55 kg
3114001345	419 - 434 mm	400	-	-	400	400	-	P, S	1,65 kg
3114001392	435 - 449 mm	-	-	-	-	-	400	P, S	1,70 kg
3114001425	448 - 459 mm	-	-	-	-	-	-	P, S	1,75 kg
3114001455	457 - 469 mm	-	-	-	-	-	-	P, S	1,75 kg
3114501495	470 - 482 mm	-	-	-	450	-	-	P, S	1,80 kg
3114501530	482 - 494 mm	-	-	-	-	-	-	P, S	1,85 kg
3114501545	487 - 499 mm	-	-	-	-	-	-	P, S	1,90 kg
3115001610	508 - 520 mm	-	-	500	-	-	-	P, S	2,00 kg
3115001655	523 - 535 mm	500	-	-	500	-	-	P, S	2,05 kg
3115001690	540 - 549 mm	-	-	-	-	-	500	P, S	3,50 kg
3115001780	572 - 582 mm	-	-	-	-	-	-	P, S	3,60 kg

Note: The application ranges (DN) specified in the table as a function of the kind of pipe and the pipe outside diameter are only intended as assistance. Prior to ordering, the actual outside diameter of the pipeline should be checked.
Product numbers for gas on request.

Telescopic extension spindle (type H) for Hawlinger® pipe drilling saddle

960H



Technical features

Medium

Potable water, Gas

Material

Round threaded cover: GJL-250, Hawle epoxy powder coated

Spindle head and coupling socket: GJS-400, bituminized, galvanized

Hollow top spindle and spindle shaft: steel, galvanized

Inner and outer protecting tube: PE-HD

Description

Hawle extension spindles (type H) serve to operate Hawle pipe drilling saddles of type Hawlinger® in the field of underground pipeline construction. Telescopic extension spindles permit the continuous adaptation to the existing pipe cover depth.

Via the round threaded cover the extension spindle is screwed clockwise onto the round thread (round thread adaptor) of the shut-off valve.

This has the advantage that the torque is transferred from the coupling socket to the spindle square, making the additional pinning of the coupling socket of the extension spindle and the spindle of the shut-off valve unnecessary.

Especially in case of cohesive soils care shall be taken that the valve and the extension spindle are properly back-filled with sand to ensure frost resistance.

For operation, operating keys are suitable. Extensions and similar are not permitted.

Note: Hawle pipe drilling saddles type Hawlinger® are shut off via one half revolution (180°). The relevant marking (indicator plate) is located on the extension spindle below the spindle head.

For „rigid“ extension spindles see model no. 910H.

Product number *)	Pipe cover depth	Square of spindle	Medium	Weight
9600608100	0,60 - 0,80	12,3 mm	P, G	2,20 kg
9600711100	1) 0,70 - 1,10	12,3 mm	P, G	2,50 kg
9600812100	0,80 - 1,20	12,3 mm	P, G	2,90 kg
9601015100	1,00 - 1,50	12,3 mm	P, G	3,50 kg
9601117100	1,10 - 1,70	12,3 mm	P, G	3,70 kg
9601318100	1,30 - 2,00	12,3 mm	P, G	4,50 kg
9601525100	1,50 - 2,50	12,3 mm	P, G	5,20 kg
9601831100	1,80 - 3,10	12,3 mm	P, G	6,40 kg

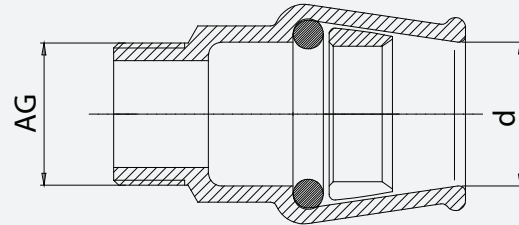
1) Pipe cover depth 0,7, - 1,10 m valid only for Uni-and Haku-Hawlingers. For the rest of the Hawlingers we recommend a pipe cover depth in the range of 0,76 - 1,15 m.

Special lengths for other pipe cover depth ranges on request!
For use with gas: yellow marking plate on request!

Product add-ons:

Operating key see chapter 18, Operating lock see chapter 9
Indicator plates for extension spindles see chapter 9

P = Potable water G = Gas S = Sewage water C = Cable



Technical features

Medium

Potable water, Sewage water

Max. operating pressure

Sewage water: 16 bar

Potable water: 16 bar

Material

GJS-400, Hawle epoxy powder coated

Description

Push-fit fitting, with one male thread, and with one push-fit socket for the restraint connection with PE pipes grades PE 80, PE 100 and PE-X (version for PVC pipes on request).

Very easy installation and dismantling.

Please note: if the fitting is used several times, the grip ring and the O-ring, if any, must be exchanged.

Please check if it is necessary to use a support liner when connecting PE pipes (see „Technical description“ at the end of the chapter).

Product number	d	male thread	Medium	Weight
6110320400	32 mm	1 1/4"	P, S	0,57 kg
6110320500	32 mm	1 1/2"	P, S	0,60 kg
6110320630	32 mm	2"	P, S	0,70 kg
6110400320	40 mm	1"	P, S	0,77 kg
6110400500	40 mm	1 1/2"	P, S	0,82 kg
6110400630	40 mm	2"	P, S	0,72 kg
6110500320	50 mm	1"	P, S	1,12 kg
6110500400	50 mm	1 1/4"	P, S	0,94 kg
6110500630	50 mm	2"	P, S	1,25 kg
6110630400	63 mm	1 1/4"	P, S	1,30 kg
6110630500	63 mm	1 1/2"	P, S	1,45 kg
6110750630	75 mm	2"	P, S	2,30 kg

Product numbers for use with PVC pipes on request.

Product add-ons:

Extractors see chapter 18, Chamfering tool see chapter 18

Support liner see chapter 1 or see chapter 14