

# Haku Pipe Saddle with Flanged Outlets

Specifically designed as a mechanical connection for metric PE and PVC pressure watermain pipelines. Ideal for hydrant and air valve installations.



TECHNICAL GUIDE: **APF4.10**

## Applications

Lateral connections to metric PE and PVC pressure watermain pipelines

## Product Attributes

Ductile iron epoxy powder coated

Bolts, nuts and washers of stainless steel

The drilled hole is sealed by an 'O' ring

Flanged or BSP outlets

## Approvals/Standards

Approved AS/NZS 4129 fittings for polyethylene (PE) pipes for pressure applications

WSAA appraised

Flanges to AS4087

## Quality

ISO 9001:2008 Quality Management System

## Haku Pipe Saddle with Threaded BSP Outlet

HAKU saddles provide the best method for sealing offtakes and outlets on metric PE and PVC pressure watermain pipe.

The HAKU seal is in full contact with the entire diameter of the PE pipe and is glued onto the saddle for ease of assembly. In addition several concentric seals with increasing diameter surround the outlet thus relieving the pressure upon the drill hole and protecting it from deformation.

### Material

- Ø40: EN-GJL-250 (GG 250) to EN 1561, epoxy powder coated
- Ø50 - 500: EN-GJS-400-15/18 (GGG 400) to EN 1563 epoxy powder coated
- Rubber seals: Elastomer, suitable for potable water
- Bolts and washers: Stainless steel – A4

**TABLE 1**

Pipe Ø mm	Internal threaded outlet			
	1"	1¼"	1½"	2"
40	•			
50	•			
63	•	•	•	•
75	•	•	•	•
90	•	•	•	•
110	•	•	•	•
125	•	•	•	•
140	•	•	•	•
160	•	•	•	•
180	•	•	•	•
200	•	•	•	•
225	•	•	•	•
250	•	•	•	•
280				•
280*	•	•	•	•
315				•
315*		•	•	•
355				•
400*			•	•
450*			•	•
500*			•	•

**Note:** \*supplied as saddle piece with strap.  
**Caution:** When being used on PE pipes, this type is suitable on class SDR 11 and higher qualities, only

Watermark appraised



**FIG. 1**



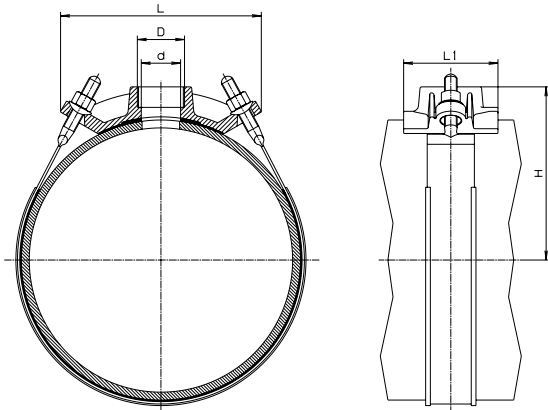
**FIG. 2**

**TABLE 2**

Pipe Ø (mm)	D ISO 228	d Ø	H	L	L1	Weight (kg)
40	1"	27	42	98	70	0.95
50	1"	27	56	110	80	1.20
63	1"	27	57	124	100	1.80
	1¼"	33	62			2.00
	1½"	40	62			1.90
	2"	40+	68			2.10
75	1"	27	63	135	110	2.15
	1¼"	33	68			2.25
	1½"	40	68			2.20
	2"	50	73			2.30
90	1"	27	71	150	110	2.60
	1¼"	33	75			2.70
	1½"	40	75			2.60
	2"	50	80			2.70
110	1"	27	81	170	120	3.60
	1¼"	33	85			3.60
	1½"	40	85			3.80
	2"	50	90			3.60
125	1"	27	87	192	120	3.70
	1¼"	33	93			3.70
	1½"	40	93			4.15
	2"	50	98			4.10
140	1"	27	96	208	120	4.40
	1¼"	33	100			4.30
	1½"	40	100			4.60
	2"	50	106			4.50
160	1"	27	106	230	120	5.90
	1¼"	33	111			6.10
	1½"	40	111			6.30
	2"	50	116			6.20
180	1"	27	125	262	120	8.00
	1¼"	33	125			8.00
	1½"	40	127			8.10
	2"	50	127			8.10
200	1"	30	132	282	120	8.10
	1¼"	33	132			7.80
	1½"	40	137			8.30
	2"	50	137			8.10
225	1"	27	143	310	120	9.10
	1¼"	33	145			9.40
	1½"	40	145			9.70
	2"	50	150			9.60
250	1"	27	156	347	180	11.00
	1¼"	33	156			11.30
	1½"	40	163			11.50
	2"	50	163			12.00
280	1"*	27	176	204	120	3.80
	1¼"*	38	176			3.60
	1½"*	44	176			3.60
	2"*	50	176			3.30
	2"	51	178			377
315	1¼"*	38	196	-	-	3.80
	1½"*	44	196	-	-	3.75
	2"*	50	196	-	-	3.55
	2"	51	196	408	180	16.70

**TABLE 2**

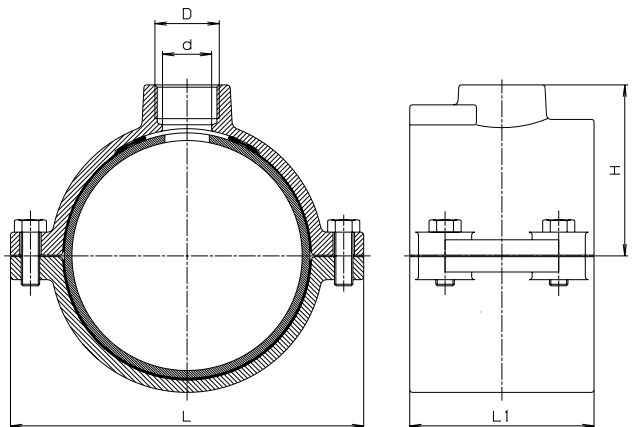
Pipe Ø (mm)	D ISO 228	d Ø	H	L	L1	Weight (kg)
355	2"*	50	220	270	120	3.50
400	1½"*	40	243	270	120	4.90
	2"*	50	243			4.90
450	1½"*	40	268	235	120	4.60
	2"*	50	268			4.60
500	1½"*	40	292	255	120	4.90
	2"*	50	292			4.90



**FIG. 3**

**Note:** \* Pipe Ø mm 280 – 500 (supplied as saddle piece with strap)  
**Caution:** When being used on PE pipes, this type is suitable on class SDR 11 and higher qualities, only

Pipe Ø mm 40 – 315



**FIG. 4**

+ max. 35 mm drill tips



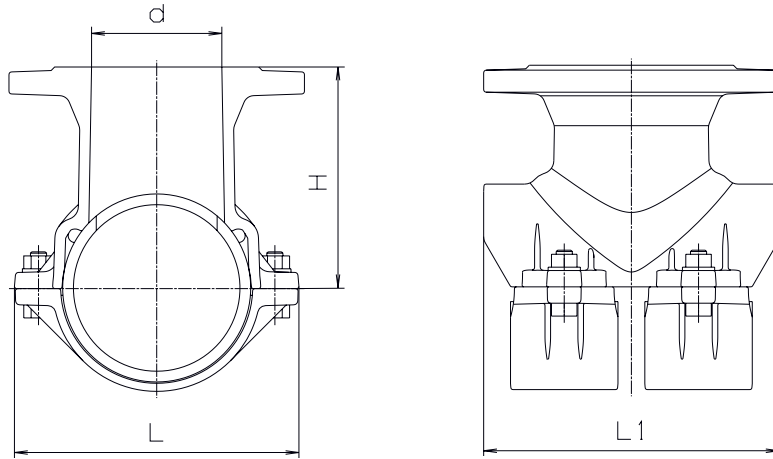


FIG. 7

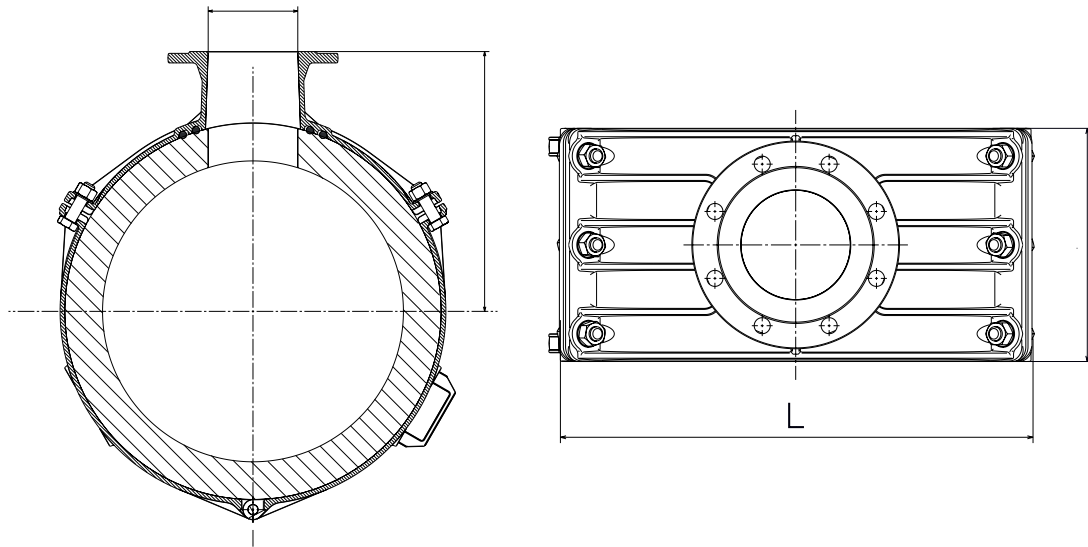


FIG. 8

TABLE 4

Pipe Ø (mm)	Flange DN	d Ø	H	L	L1	Weight (kg)
110	80	80	150	182	180	8.3
125	80	80	159	197	220	8.4
	100	100	159	197	220	9.4
140	80	80	166	212	220	10.2
	100	100	166	212	220	10.9
160	80	80	176	234	220	10.1
	100	100	176	234	220	11.0
180	80	80	186	254	220	9.0
	100	100	186	254	220	12.2
200	80	80	191	270	220	11.8
	100	100	191	270	220	13.8
225	80	80	206	301	220	14.0
	100	100	206	301	220	16.0
250	80	80	221	347	220	14.7
	100	(coming soon)				
	150		225	342	285	19.3
280	100	(coming soon)				
	150	150	239	374	285	21.0
315	80	80	255	410	285	20.0
315	150	150	257	409	285	24.5
355	150	150	298	460	320	36.2
450	150	150	345	475	320	42.0
500	150	150	370	520	320	45.2
630	150	150	435	649	320	55.0



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**March 2024**

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