

*ACO Product catalogue*  
**ACO pipe 250 and 315**





ACO pipe

**ACO pipe**

**General introduction**

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## Introduction

### Charecteristics

ACO pipe is a reliable, lightweight and durable push-fit pipe work system, designed, produced and tested for soil, waste, rainwater and industrial wastewater drainage applications. Together with the other products of ACO Group it provides a perfect system and offers a sustainable drainage solution with unique advantages for customers.

In addition to the current diameters of 50 mm, 75 mm, 110 mm, 125 mm, 160 mm and 200 mm and **we are now launching 250 and 315 mm diameters.**

**Pipes with diameters 250 mm and 315 mm are mostly used for end sections of the sewage pipeworks in large food and beverage processing facilities.**

ACO pipes with diameter 250 and 315 mm keep all features and advantages of the ACO pipe range:

- Push fit system for easy installation
- Unique double sealing for ultimate tightness
- Stainless steel material AISI 316L
- Low weight for easy handling on site
- Long lifetime
- Hygienic

### System overview



ACO pipe - straight pipes



ACO pipe - bends



ACO pipe - branches



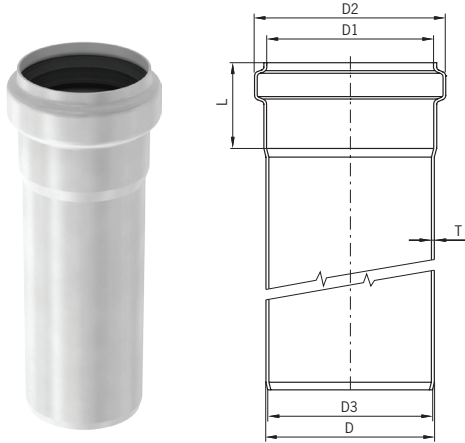
ACO pipe - branch reductions



ACO pipe - accessories

**Component overview**

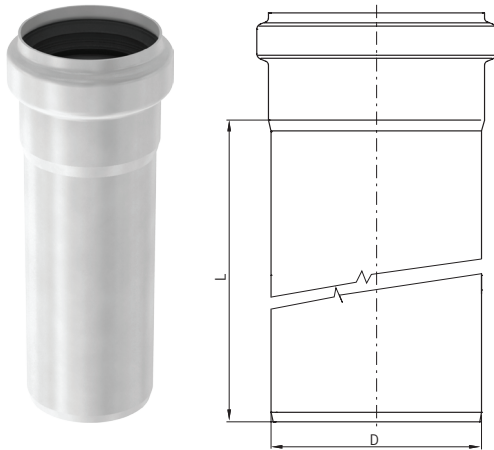
**Dimensions of socket and spigot**



D [mm]	D <sub>1</sub> [mm]	D <sub>2</sub> [mm]	D <sub>3</sub> [mm]	Socket length L [mm]	Wall thickness T [mm]
250	251.0	268.6	245	90	1.5
315	316.2	334.2	309	100	2.0

Table 1

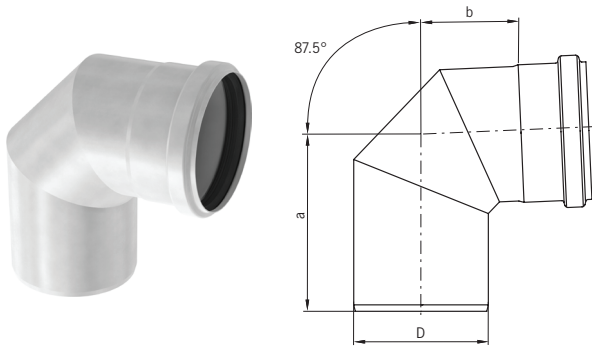
**ACO pipe - straight pipe 250 and 315 mm**



Seal material	D [mm]	Active length L [mm]	Weight [kg]	Part No. 316
EPDM	250	500	5.5	<b>417072</b>
	250	1000	10.2	<b>417076</b>
	250	2000	19.4	<b>417080</b>
	250	3000	28.7	<b>417084</b>
EPDM	315	500	9.8	<b>417200</b>
	315	1000	17.7	<b>417201</b>
	315	2000	33.5	<b>417202</b>
	315	3000	49.3	<b>417203</b>

Table 2

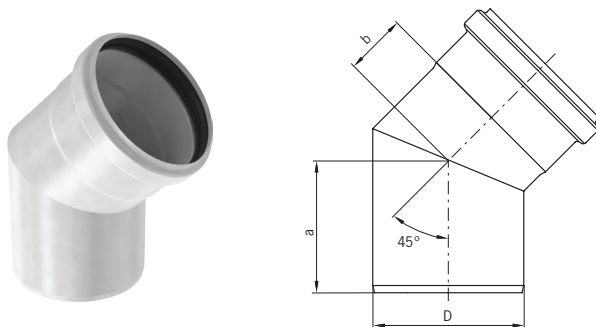
**ACO pipe - bend 87.5°**



Seal material	D [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
EPDM	250	297	198	5.1	<b>417088</b>
EPDM	315	393	286	12.8	<b>417204</b>

Table 3

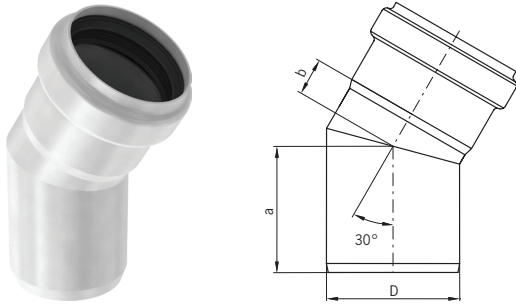
**ACO pipe - bend 45°**



Seal material	D [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
EPDM	250	177	76	4.1	<b>417092</b>
EPDM	315	199	91	7.2	<b>417205</b>

Table 4

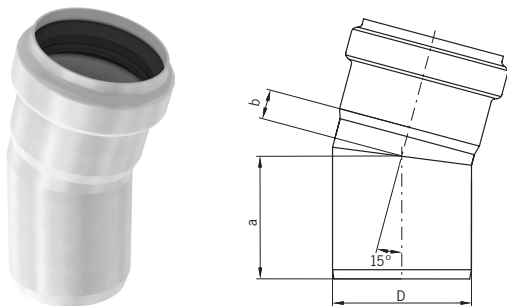
**ACO pipe - bend 30°**



Seal material	D [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
EPDM	250	153	58	3.1	<b>417096</b>
EPDM	315	172	68	5.8	<b>417206</b>

Table 5

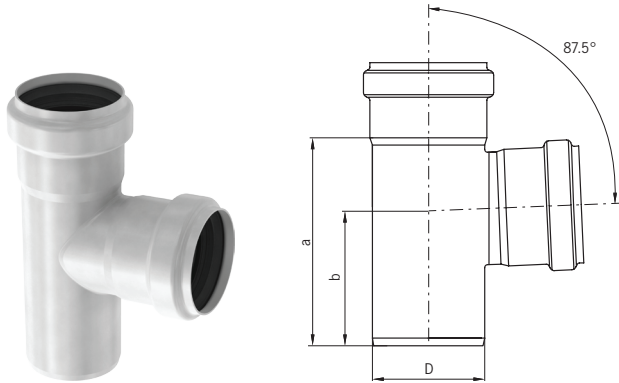
**ACO pipe - bend 15°**



Seal material	D [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
EPDM	250	136	40	2.7	<b>417100</b>
EPDM	315	151	46	5.4	<b>417207</b>

Table 6

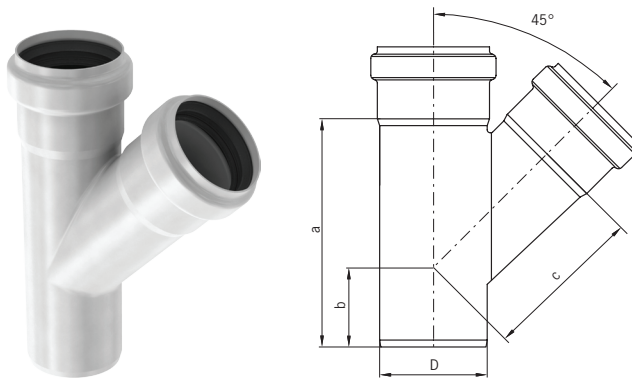
**ACO pipe - single branch 87.5°**



Seal material	D [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
EPDM	250	363	215	5.8	<b>417104</b>
EPDM	315	476	281	14.8	<b>417208</b>

Table 7

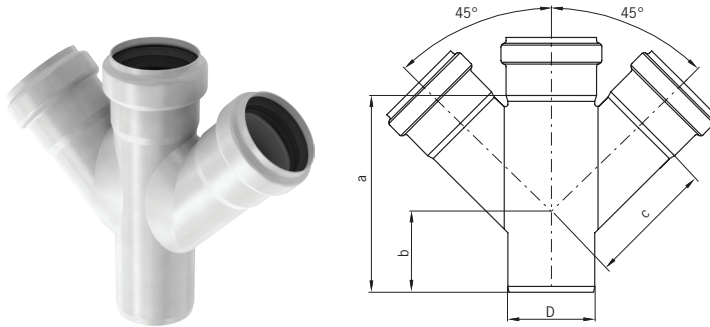
**ACO pipe - single branch 45°**



Seal material	D [mm]	a [mm]	b [mm]	c [mm]	Weight [kg]	Part No. 316
EPDM	250	513	172	336	8.9	<b>417108</b>
EPDM	315	616	195	521	20.6	<b>417209</b>

Table 8

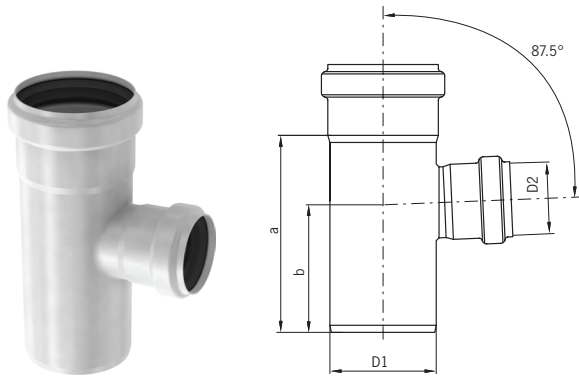
**ACO pipe - double branch 45°**



Seal material	D [mm]	a [mm]	b [mm]	c [mm]	Weight [kg]	Part No. 316
EPDM	250	509	172	336	11.0	<b>417120</b>
EPDM	315	616	195	521	29.7	<b>417212</b>

Table 9

**ACO pipe - single branch reduction 87.5°**

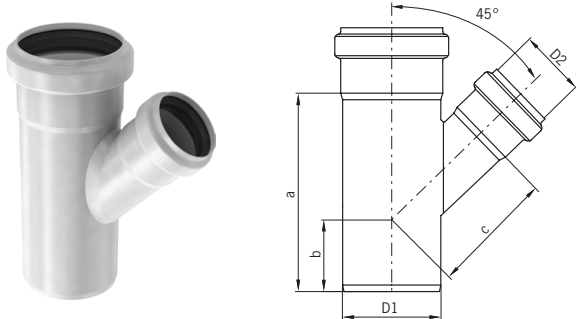


Seal material	D1 [mm]	D2 [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
EPDM	250	200	349	226	5.8	<b>417112</b>
EPDM	315	250	411	248	10.5	<b>417210</b>

Table 10



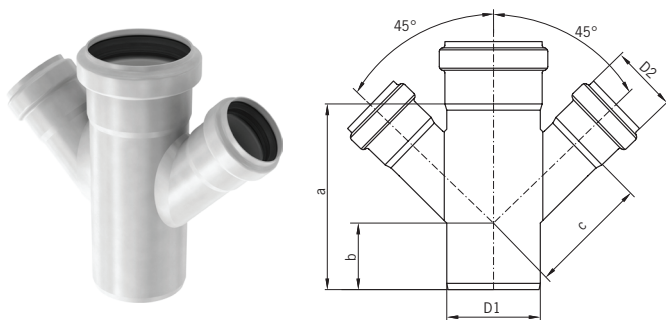
**ACO pipe - single branch reduction 45°**



Seal material	D1 [mm]	D2 [mm]	a [mm]	b [mm]	c [mm]	Weight [kg]	Part No. 316
EPDM	250	200	429	175	307	7.6	<b>417116</b>
EPDM	315	250	513	149	382	14.0	<b>417211</b>

Table 11

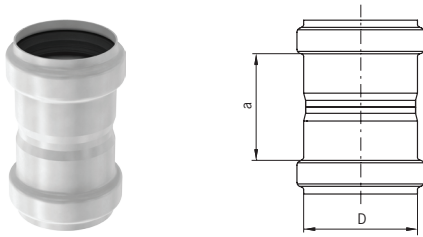
**ACO pipe - double branch reduction 45°**



Seal material	D1 [mm]	D2 [mm]	a [mm]	b [mm]	c [mm]	Weight [kg]	Part No. 316
EPDM	250	200	429	150	307	10.1	<b>417124</b>
EPDM	315	250	513	149	382	17.8	<b>417213</b>

Table 12

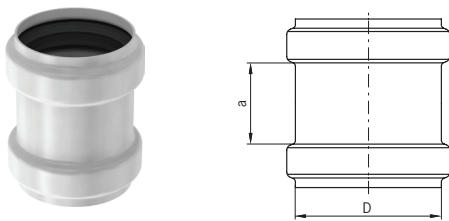
**ACO pipe - straight coupling**



Seal material	D [mm]	a [mm]	Weight [kg]	Part No. 316
EPDM	250	181	3.1	<b>417159</b>
EPDM	315	179	5.2	<b>417225</b>

Table 13

**ACO pipe - repair coupling**

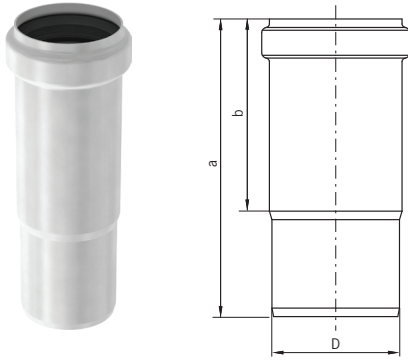


Seal material	D [mm]	a [mm]	Weight [kg]	Part No. 316
EPDM	250	182	2.4	<b>417139</b>
EPDM	315	179	4.9	<b>417220</b>

Table 14

Note: Repair couplings are used to aid a convenient repair to a damaged in-situ pipe. Unlike the standard straight coupling, there is no central registration to limit the insertion depth of the pipe. The repair coupling slides completely over a pipe joint and simply re-positioned to bridge the required pipe joint. Installation tip: Mark the final position of the repair coupling on the installed pipe system to ensure the coupling seals are positioned symmetrically about the pipe joint.

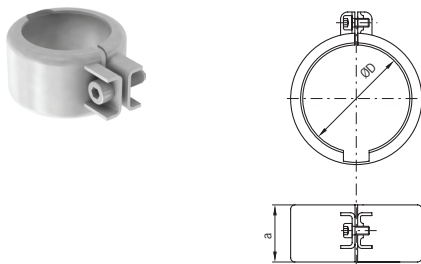
**ACO pipe - expansion socket**



Seal material	D [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
EPDM	250	400	190	4.0	<b>417143</b>
EPDM	315	450	200	7.2	<b>417221</b>

Table 15

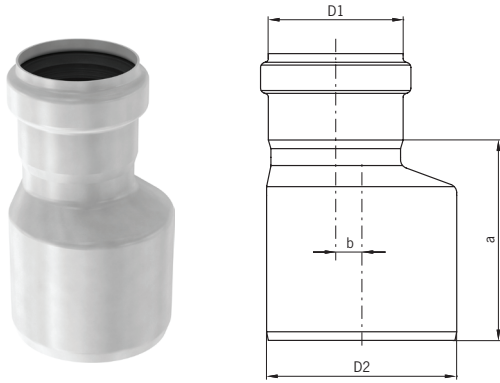
**ACO pipe - socket clamp**



Seal material	D [mm]	a [mm]	Weight [kg]	Part No. 316
EPDM	316	48	0.9	<b>417219</b>

Table 16

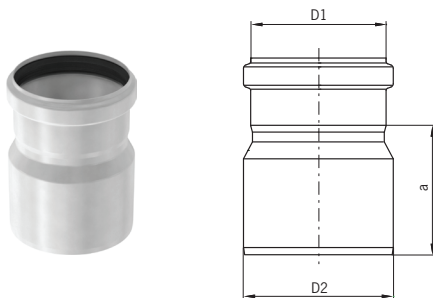
**ACO pipe - eccentric increaser coupling**



Seal material	D1 [mm]	D2 [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
EPDM	200	250	180	15	2.6	<b>417135</b>
EPDM	315	250	190	15	4.4	<b>417218</b>

Table 17

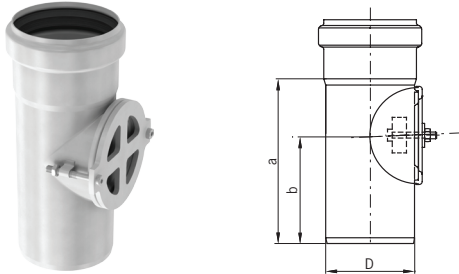
**ACO pipe - concentric increaser coupling**



Seal material	D1 [mm]	D2 [mm]	a [mm]	Weight [kg]	Part No. 316
EPDM	200	250	180	2.6	<b>417133</b>
EPDM	315	250	190	4.4	<b>417217</b>

Table 18

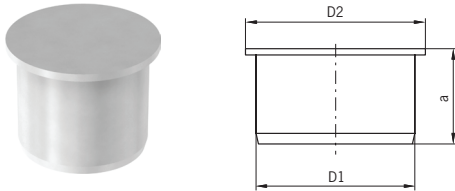
**ACO pipe - access unit**



Seal material	D [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
EPDM	250	290	184	5.1	<b>417128</b>
EPDM	315	340	228	8.9	<b>417214</b>

Table 19

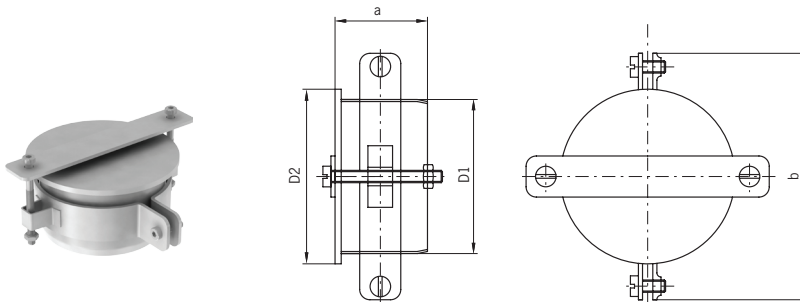
**ACO pipe - socket plug**



D1 [mm]	a [mm]	D2 [mm]	Weight [kg]	Part No. 316
250	83	260	1.1	417131
315	73	325	2.2	417215

Table 20

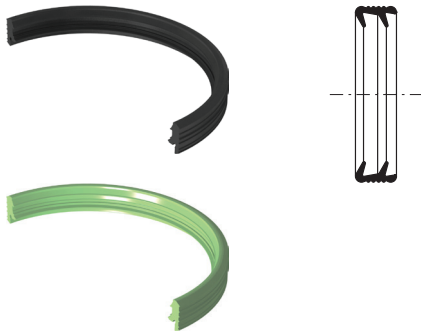
**ACO pipe - socket plug with clamp**



D1 [mm]	D2 [mm]	a [mm]	b [mm]	Weight [kg]	Part No. 316
250	260	83	302	1.3	417132
315	325	130	371	3.7	417216

Table 21

**ACO pipe - pipe seal**

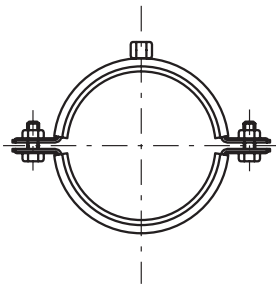


D [mm]	Weight [kg]	Part No. EPDM	Part No. Viton	Part No. NBR
250	0.12	417146	417147	417148
315	0.30	417222	-	417223

Table 22

Note: Spare ACO pipe seals in EPDM and Viton® grades are available for all pipe sizes. All seals incorporate the unique ACO pipe double lip seal arrangement for increased reliability and security. Both seal materials are mechanically interchangeable thereby facilitating easy on-site upgrade from EPDM to Viton®, for example. For seal installation instructions, refer to the Appendices. To aid identification, the seals are colour coded as follows: EPDM seals are BLACK. Viton® seals are GREEN.

**ACO pipe - support bracket with rubber infill**



Seal material	D [mm]	Weight [kg]	Part No. 316
EPDM	250	0.6	417149
EPDM	315	1.0	417224

Table 23

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