

TUBING, FLANGES & PIPE FITTINGS

HDPE Backing Flanges

Specify the flange standard, size, drilling, facing and material for the mating installation.

Application: Application-led selection for the specified operating conditions.

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
66.7	4.0	M12	HDPE backing flange	95.0	30.0	BS10 Table D	20	5.0
73.0	4.0	M12	HDPE backing flange	101.0	38.0	BS10 Table D	25	5.0
82.6	4.0	M12	HDPE backing flange	114.0	45.0	BS10 Table D	32	5.0
87.3	4.0	M12	HDPE backing flange	120.0	52.0	BS10 Table D	40	6.0
98.4	4.0	M12	HDPE backing flange	133.0	63.0	BS10 Table D	50	6.0
114.3	4.0	M16	HDPE backing flange	152.0	74.0	BS10 Table D	63	8.0
127.0	4.0	M16	HDPE backing flange	165.0	86.0	BS10 Table D	75	8.0
146.0	4.0	M16	HDPE backing flange	184.0	103.0	BS10 Table D	90	10.0
177.8	4.0	M16	HDPE backing flange	215.0	135.0	BS10 Table D	110	10.0
177.8	4.0	M16	HDPE backing flange	215.0	135.0	BS10 Table D	125	10.0
209.6	8.0	M16	HDPE backing flange	254.0	158.0	BS10 Table D	140	13.0
235.0	8.0	M16	HDPE backing flange	279.0	188.0	BS10 Table D	160	13.0
235.0	8.0	M16	HDPE backing flange	279.0	188.0	BS10 Table D	180	13.0
292.0	8.0	M16	HDPE backing flange	336.0	236.0	BS10 Table D	200	13.0
292.0	8.0	M16	HDPE backing flange	336.0	236.0	BS10 Table D	225	13.0
355.6	8.0	M20	HDPE backing flange	406.0	279.0	BS10 Table D	250	16.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
355.6	8.0	M20	HDPE backing flange	406.0	292.0	BS10 Table D	280	16.0
406.4	12.0	M20	HDPE backing flange	457.0	330.0	BS10 Table D	315	19.0
469.9	12.0	M24	HDPE backing flange	527.0	367.0	BS10 Table D	355	22.0
520.7	12.0	M24	HDPE backing flange	577.0	430.0	BS10 Table D	400	22.0
584.2	12.0	M24	HDPE backing flange	641.0	476.0	BS10 Table D	450	25.0
641.4	16.0	M24	HDPE backing flange	704.0	533.0	BS10 Table D	500	28.0
755.7	16.0	M27	HDPE backing flange	825.0	592.0	BS10 Table D	560	31.0
755.7	16.0	M27	HDPE backing flange	825.0	662.0	BS10 Table D	630	31.0
66.7	4.0	M12	HDPE backing flange	95.0	Confirm	BS10 Table E	20	7.0
73.0	4.0	M12	HDPE backing flange	101.0	Confirm	BS10 Table E	25	7.0
82.6	4.0	M12	HDPE backing flange	114.0	Confirm	BS10 Table E	32	7.0
87.3	4.0	M12	HDPE backing flange	120.0	Confirm	BS10 Table E	40	8.0
98.4	4.0	M12	HDPE backing flange	133.0	Confirm	BS10 Table E	50	9.0
114.3	4.0	M16	HDPE backing flange	152.0	Confirm	BS10 Table E	63	10.0
127.0	4.0	M16	HDPE backing flange	165.0	Confirm	BS10 Table E	75	10.0
146.0	4.0	M16	HDPE backing flange	184.0	Confirm	BS10 Table E	90	12.0
177.8	8.0	M16	HDPE backing flange	215.0	Confirm	BS10 Table E	110	14.0
177.8	8.0	M16	HDPE backing flange	215.0	Confirm	BS10 Table E	125	14.0
209.6	8.0	M16	HDPE backing flange	254.0	Confirm	BS10 Table E	140	15.0
235.0	8.0	M20	HDPE backing flange	279.0	Confirm	BS10 Table E	160	18.0
235.0	8.0	M20	HDPE backing flange	279.0	Confirm	BS10 Table E	180	18.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
292.0	8.0	M20	HDPE backing flange	336.0	Confirm	BS10 Table E	200	19.0
292.0	8.0	M20	HDPE backing flange	336.0	Confirm	BS10 Table E	225	19.0
355.6	12.0	M20	HDPE backing flange	406.0	Confirm	BS10 Table E	250	22.0
355.6	12.0	M20	HDPE backing flange	406.0	Confirm	BS10 Table E	280	22.0
406.4	12.0	M24	HDPE backing flange	457.0	Confirm	BS10 Table E	315	25.0
469.9	12.0	M24	HDPE backing flange	527.0	Confirm	BS10 Table E	355	29.0
520.7	12.0	M24	HDPE backing flange	577.0	Confirm	BS10 Table E	400	32.0
584.2	16.0	M24	HDPE backing flange	641.0	Confirm	BS10 Table E	450	35.0
641.4	16.0	M24	HDPE backing flange	704.0	Confirm	BS10 Table E	500	38.0
755.7	16.0	M30	HDPE backing flange	825.0	Confirm	BS10 Table E	560	47.0
755.7	16.0	M30	HDPE backing flange	825.0	Confirm	BS10 Table E	630	47.0
60.0	4.0	M12	HDPE backing flange	88.0	Confirm	ASA150	20	10.0
69.0	4.0	M12	HDPE backing flange	98.0	Confirm	ASA150	25	10.0
79.0	4.0	M12	HDPE backing flange	107.0	Confirm	ASA150	32	10.0
88.0	4.0	M12	HDPE backing flange	117.0	Confirm	ASA150	40	12.0
98.0	4.0	M12	HDPE backing flange	127.0	Confirm	ASA150	50	12.0
120.0	4.0	M16	HDPE backing flange	152.0	Confirm	ASA150	63	12.0
139.0	4.0	M16	HDPE backing flange	177.0	Confirm	ASA150	75	12.0
152.0	4.0	M16	HDPE backing flange	190.0	Confirm	ASA150	90	12.0
190.0	8.0	M16	HDPE backing flange	228.0	Confirm	ASA150	110	15.0
190.0	8.0	M16	HDPE backing flange	228.0	Confirm	ASA150	125	15.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
215.0	8.0	M20	HDPE backing flange	254.0	Confirm	ASA150	140	15.0
241.0	8.0	M20	HDPE backing flange	279.0	Confirm	ASA150	160	20.0
241.0	8.0	M20	HDPE backing flange	279.0	Confirm	ASA150	180	20.0
298.0	8.0	M20	HDPE backing flange	342.0	Confirm	ASA150	200	20.0
298.0	8.0	M20	HDPE backing flange	342.0	Confirm	ASA150	225	20.0
361.0	12.0	M24	HDPE backing flange	406.0	Confirm	ASA150	250	25.0
361.0	12.0	M24	HDPE backing flange	406.0	Confirm	ASA150	280	25.0
431.0	12.0	M24	HDPE backing flange	482.0	Confirm	ASA150	315	30.0
476.0	12.0	M26	HDPE backing flange	533.0	Confirm	ASA150	355	30.0
539.0	16.0	M26	HDPE backing flange	596.0	Confirm	ASA150	400	30.0
577.0	16.0	M30	HDPE backing flange	635.0	Confirm	ASA150	450	30.0
635.0	20.0	M30	HDPE backing flange	698.0	Confirm	ASA150	500	30.0
749.0	20.0	M32	HDPE backing flange	812.0	Confirm	ASA150	560	35.0
65.0	4.0	M12	HDPE backing flange	95.0	30.0	SANS1123:2007 1600/3	20	10.0
75.0	4.0	M12	HDPE backing flange	105.0	38.0	SANS1123:2007 1600/3	25	10.0
85.0	4.0	M12	HDPE backing flange	115.0	45.0	SANS1123:2007 1600/3	32	10.0
100.0	4.0	M16	HDPE backing flange	140.0	52.0	SANS1123:2007 1600/3	40	10.0
110.0	4.0	M16	HDPE backing flange	150.0	63.0	SANS1123:2007 1600/3	50	10.0
125.0	4.0	M16	HDPE backing flange	165.0	74.0	SANS1123:2007 1600/3	63	12.0
145.0	4.0	M16	HDPE backing flange	185.0	86.0	SANS1123:2007 1600/3	75	12.0
160.0	8.0	M16	HDPE backing flange	200.0	103.0	SANS1123:2007 1600/3	90	14.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
180.0	8.0	M16	HDPE backing flange	220.0	136.0	SANS1123:2007 1600/3	110	14.0
180.0	8.0	M16	HDPE backing flange	220.0	136.0	SANS1123:2007 1600/3	125	14.0
210.0	8.0	M16	HDPE backing flange	250.0	158.0	SANS1123:2007 1600/3	140	16.0
240.0	8.0	M20	HDPE backing flange	285.0	190.0	SANS1123:2007 1600/3	160	18.0
240.0	8.0	M20	HDPE backing flange	285.0	190.0	SANS1123:2007 1600/3	180	18.0
295.0	12.0	M20	HDPE backing flange	340.0	236.0	SANS1123:2007 1600/3	200	22.0
295.0	12.0	M20	HDPE backing flange	340.0	236.0	SANS1123:2007 1600/3	225	22.0
355.0	12.0	M24	HDPE backing flange	405.0	279.0	SANS1123:2007 1600/3	250	25.0
355.0	12.0	M24	HDPE backing flange	405.0	292.0	SANS1123:2007 1600/3	280	25.0
410.0	12.0	M24	HDPE backing flange	460.0	330.0	SANS1123:2007 1600/3	315	28.0
470.0	16.0	M24	HDPE backing flange	520.0	376.0	SANS1123:2007 1600/3	355	30.0
525.0	16.0	M24	HDPE backing flange	580.0	430.0	SANS1123:2007 1600/3	400	35.0
585.0	20.0	M24	HDPE backing flange	640.0	476.0	SANS1123:2007 1600/3	450	40.0
650.0	20.0	M30	HDPE backing flange	715.0	533.0	SANS1123:2007 1600/3	500	40.0
710.0	20.0	M30	HDPE backing flange	775.0	592.0	SANS1123:2007 1600/3	560	40.0
770.0	20.0	M30	HDPE backing flange	840.0	662.0	SANS1123:2007 1600/3	630	50.0
65.0	4.0	M12	HDPE backing flange	95.0	Confirm	SANS1123:2007 1000/3	20	10.0
75.0	4.0	M12	HDPE backing flange	105.0	Confirm	SANS1123:2007 1000/3	25	10.0
85.0	4.0	M12	HDPE backing flange	115.0	Confirm	SANS1123:2007 1000/3	32	10.0
100.0	4.0	M16	HDPE backing flange	140.0	Confirm	SANS1123:2007 1000/3	40	10.0
110.0	4.0	M16	HDPE backing flange	150.0	Confirm	SANS1123:2007 1000/3	50	10.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
125.0	4.0	M16	HDPE backing flange	165.0	Confirm	SANS1123:2007 1000/3	63	12.0
145.0	4.0	M16	HDPE backing flange	185.0	Confirm	SANS1123:2007 1000/3	75	12.0
160.0	8.0	M16	HDPE backing flange	200.0	Confirm	SANS1123:2007 1000/3	90	12.0
180.0	8.0	M16	HDPE backing flange	220.0	Confirm	SANS1123:2007 1000/3	110	12.0
180.0	8.0	M16	HDPE backing flange	220.0	Confirm	SANS1123:2007 1000/3	125	12.0
210.0	8.0	M16	HDPE backing flange	250.0	Confirm	SANS1123:2007 1000/3	140	14.0
240.0	8.0	M20	HDPE backing flange	285.0	Confirm	SANS1123:2007 1000/3	160	16.0
240.0	8.0	M20	HDPE backing flange	285.0	Confirm	SANS1123:2007 1000/3	180	16.0
295.0	8.0	M20	HDPE backing flange	340.0	Confirm	SANS1123:2007 1000/3	200	18.0
295.0	8.0	M20	HDPE backing flange	340.0	Confirm	SANS1123:2007 1000/3	225	18.0
350.0	12.0	M20	HDPE backing flange	395.0	Confirm	SANS1123:2007 1000/3	250	20.0
350.0	12.0	M20	HDPE backing flange	395.0	Confirm	SANS1123:2007 1000/3	280	20.0
400.0	12.0	M20	HDPE backing flange	445.0	Confirm	SANS1123:2007 1000/3	315	22.0
460.0	16.0	M20	HDPE backing flange	506.0	Confirm	SANS1123:2007 1000/3	355	25.0
515.0	16.0	M24	HDPE backing flange	565.0	Confirm	SANS1123:2007 1000/3	400	25.0
565.0	20.0	M24	HDPE backing flange	615.0	Confirm	SANS1123:2007 1000/3	450	30.0
620.0	20.0	M24	HDPE backing flange	670.0	Confirm	SANS1123:2007 1000/3	500	32.0
675.0	20.0	M24	HDPE backing flange	730.0	Confirm	SANS1123:2007 1000/3	560	35.0
725.0	20.0	M26	HDPE backing flange	780.0	Confirm	SANS1123:2007 1000/3	630	40.0
55.0	4.0	M10	HDPE backing flange	80.0	Confirm	SANS1123:2007 600/3	20	10.0
65.0	4.0	M10	HDPE backing flange	90.0	Confirm	SANS1123:2007 600/3	25	10.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
75.0	4.0	M10	HDPE backing flange	100.0	Confirm	SANS1123:2007 600/3	32	10.0
90.0	4.0	M12	HDPE backing flange	120.0	Confirm	SANS1123:2007 600/3	40	10.0
100.0	4.0	M12	HDPE backing flange	130.0	Confirm	SANS1123:2007 600/3	50	10.0
110.0	4.0	M12	HDPE backing flange	140.0	Confirm	SANS1123:2007 600/3	63	10.0
130.0	4.0	M12	HDPE backing flange	160.0	Confirm	SANS1123:2007 600/3	75	10.0
150.0	4.0	M16	HDPE backing flange	190.0	Confirm	SANS1123:2007 600/3	90	10.0
170.0	4.0	M16	HDPE backing flange	210.0	Confirm	SANS1123:2007 600/3	110	10.0
170.0	4.0	M16	HDPE backing flange	210.0	Confirm	SANS1123:2007 600/3	125	10.0
200.0	8.0	M16	HDPE backing flange	240.0	Confirm	SANS1123:2007 600/3	140	12.0
225.0	8.0	M16	HDPE backing flange	265.0	Confirm	SANS1123:2007 600/3	160	12.0
225.0	8.0	M16	HDPE backing flange	265.0	Confirm	SANS1123:2007 600/3	180	12.0
280.0	8.0	M16	HDPE backing flange	320.0	Confirm	SANS1123:2007 600/3	200	14.0
280.0	8.0	M16	HDPE backing flange	320.0	Confirm	SANS1123:2007 600/3	225	14.0
335.0	12.0	M16	HDPE backing flange	375.0	Confirm	SANS1123:2007 600/3	250	16.0
335.0	12.0	M16	HDPE backing flange	375.0	Confirm	SANS1123:2007 600/3	280	16.0
395.0	12.0	M20	HDPE backing flange	440.0	Confirm	SANS1123:2007 600/3	315	20.0
445.0	12.0	M20	HDPE backing flange	490.0	Confirm	SANS1123:2007 600/3	355	22.0
495.0	16.0	M20	HDPE backing flange	540.0	Confirm	SANS1123:2007 600/3	400	22.0
550.0	16.0	M20	HDPE backing flange	595.0	Confirm	SANS1123:2007 600/3	450	25.0
600.0	20.0	M20	HDPE backing flange	645.0	Confirm	SANS1123:2007 600/3	500	25.0
655.0	20.0	M24	HDPE backing flange	705.0	Confirm	SANS1123:2007 600/3	560	28.0

HDPE backing flange pattern dimensions

Bolt circle pcd mm	Bolt count	Bolt size	Construction	Flange od mm	bore d1 mm	pattern	pipe size mm	Thickness b mm
705.0	20.0	M24	HDPE backing flange	755.0	Confirm	SANS1123:2007 600/3	630	30.0

HDPE backing-flange pattern dimensions by the listed pipe size and standard/table designation. Pipe size is the listed HDPE pipe size, not nominal bore. Confirm material grade, bore, stub-end fit and the applicable current dimensional and pressure-temperature requirements. These are dimensional references; no order code is established.

Application & quotation checklist

Standard, nominal size and pressure class; Material grade and wall thickness; Facing, drilling and connection type; Drawing or dimensions of the mating connection

Request a quotation

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Provide the part code, size, quantity, required configuration and application. Include a drawing or photograph where available.

Ratings apply only to the specified product and configuration. Confirm fluid compatibility, temperature, pressure transients, installation and complete assembly suitability. Ordering references do not establish interchangeability.