

DOT Sampling Cylinders Technical Data
Dimensions, in millimeters (inches), are for reference only and are subject to change.

Type	Material	Pressure Rating bar (psig)	Cylinder Volume (cm±10%)	P - Female NPT (inch)	Dimensions, mm (in.)			Weight kg(lb) ±1.0-3.0	Ordering Number
					O.D ± 1%	Length ±1.0-3.0	Min. Wall Thickness ±1.0-3.0		
Double-ended									
DOT	ASTM A312 304L/316L SS	124bar (1800psi)	150	1/4	47.3(1.86)	160(6.29)	2.5(0.098)	0.66(1.45)	6(4)JL - SC124 - N1/4 - 150
			200	1/4	47.3(1.86)	179(7.05)		0.66(1.45)	6(4)JL - SC124 - N1/4 - 200
			250	1/4	50.8(2.0)	203(7.99)		0.7(1.54)	6(4)JL - SC124 - N1/4 - 250
			290	1/4		226(8.90)		0.8(1.76)	6(4)JL - SC124 - N1/4 - 290
			300	1/4		227(8.94)		0.8(1.76)	6(4)JL - SC124 - N1/4 - 300
			400	1/4		293(11.54)		1.05(2.31)	6(4)JL - SC124 - N1/4 - 400
			500	1/4		351(13.82)		1.3(2.86)	6(4)JL - SC124 - N1/4 - 500
			1000	1/4	87.3(3.44)	277(10.9)	4.4(0.173)	2.5(5.51)	6(4)JL - SC124 - N1/4 - 1000
			1000	1/2	87.3(3.44)	277(10.9)	4.4(0.173)	2.5(5.51)	6(4)JL - SC124 - N1/2 - 1000
			2250	1/4	100.6(3.96)	437(17.2)	5.0(0.197)	6.4(14.1)	6(4)JL - SC124 - N1/4 - 2250
			2250	1/2	100.6(3.96)	437(17.2)	5.0(0.197)	6.4(14.1)	6(4)JL - SC124 - N1/2 - 2250
			3785	1/4	100.6(3.96)	678(26.7)	5.0(0.197)	9.5(20.94)	6(4)JL - SC124 - N1/4 - 3785
			3785	1/2	100.6(3.96)	678(26.7)	5.0(0.197)	9.5(20.94)	6(4)JL - SC124 - N1/2 - 3785
			8000	1/4	101.6(4.0)	1300(51.18)	2.5(0.098)	17(37.47)	6(4)JL - SC28 - N1/4 - 8000
	ALLOY UNS 6625	124bar (1800psi)	300	1/4	59.3(2.34)	210(8.27)	2.5(0.098)	1.12(2.47)	UNS 6625 - SC124 - N1/4 - 300
		124bar (1800psi)	300	1/2	59.3(2.34)	210(8.27)	2.5(0.098)	1.12(2.47)	UNS 6625 - SC124 - N1/2 - 300
		124bar (1800psi)	500	1/4	59.3(2.34)	310(12.20)	3.0(0.118)	1.5(3.30)	UNS 6625 - SC124 - N1/4 - 500
		124bar (1800psi)	500	1/2	59.3(2.34)	310(12.20)	3.0(0.118)	1.5(3.30)	UNS 6625 - SC124 - N1/2 - 500
		207bar (3000psi)	500	1/4	59.3(2.34)	310(12.20)	3.5(0.138)	1.87(4.12)	UNS 6625 - SC207 - N1/4 - 500
		207bar (3000psi)	500	1/2	59.3(2.34)	310(12.20)	3.5(0.138)	1.87(4.12)	UNS 6625 - SC207 - N1/2 - 500
	ALLOY UNS 8825	124bar (1800psi)	300	1/4	59.3(2.34)	210(8.27)	2.5(0.098)	1.12(2.47)	UNS 8825 - SC124 - N1/4 - 300
		124bar (1800psi)	300	1/2	59.3(2.34)	210(8.27)	2.5(0.098)	1.12(2.47)	UNS 8825 - SC124 - N1/2 - 300
		124bar (1800psi)	500	1/4	47.3(1.86)	310(12.20)	3.0(0.118)	1.5(3.30)	UNS 8825 - SC124 - N1/4 - 500
		124bar (1800psi)	500	1/2	47.3(1.86)	310(12.20)	3.0(0.118)	1.5(3.30)	UNS 8825 - SC124 - N1/2 - 500
		207bar (3000psi)	500	1/4	59.3(2.34)	310(12.20)	3.5(0.138)	1.87(4.12)	UNS 8825 - SC207 - N1/4 - 500
		207bar (3000psi)	500	1/2	59.3(2.34)	310(12.20)	3.5(0.138)	1.87(4.12)	UNS 8825 - SC207 - N1/2 - 500
	6MO UNS31254	124bar (1800psi)	300	1/4	59.3(2.34)	210(8.27)	2.5(0.098)	1.12(2.47)	UNS31254 - SC124 - N1/4 - 300
		124bar (1800psi)	300	1/2	59.3(2.34)	210(8.27)	2.5(0.098)	1.12(2.47)	UNS31254 - SC124 - N1/2 - 300
		124bar (1800psi)	500	1/4	59.3(2.34)	310(12.20)	2.5(0.098)	1.87(4.12)	UNS31254 - SC124 - N1/4 - 500
		124bar (1800psi)	500	1/2	59.3(2.34)	310(12.20)	2.5(0.098)	1.87(4.12)	UNS31254 - SC124 - N1/2 - 500
		207bar (3000psi)	500	1/4	59.3(2.34)	310(12.20)	3.5(0.138)	1.87(4.12)	UNS31254 - SC207 - N1/4 - 500
		207bar (3000psi)	500	1/2	59.3(2.34)	310(12.20)	3.5(0.138)	1.87(4.12)	UNS31254 - SC207 - N1/2 - 500
	SUPER DUPLEX 32750	124bar (1800psi)	300	1/4	59.3(2.34)	210(8.27)	2.5(0.098)	1.12(2.47)	DUPLEX 32750 - SC124 - N1/4 - 300
		124bar (1800psi)	300	1/2	59.3(2.34)	210(8.27)	2.5(0.098)	1.12(2.47)	DUPLEX 32750 - SC124 - N1/2 - 300
		124bar (1800psi)	500	1/4	59.3(2.34)	310(12.20)	2.5(0.098)	1.87(4.12)	DUPLEX 32750 - SC124 - N1/4 - 500
		124bar (1800psi)	500	1/2	59.3(2.34)	310(12.20)	2.5(0.098)	1.87(4.12)	DUPLEX 32750 - SC124 - N1/2 - 500
		207bar (3000psi)	500	1/4	59.3(2.34)	310(12.20)	3.5(0.138)	1.87(4.12)	DUPLEX 32750 - SC207 - N1/4 - 500
		207bar (3000psi)	500	1/2	59.3(2.34)	310(12.20)	3.5(0.138)	1.87(4.12)	DUPLEX 32750 - SC207 - N1/2 - 500
	HASTELLOY C-276	124bar (1800psi)	3785	1/4	100.6(3.96)	678(26.7)	5.0(0.197)	9.5(20.9)	C-276 - SC124 - N1/4 - 3785
		124bar (1800psi)	3785	1/2	100.6(3.96)	678(26.7)	5.0(0.197)	9.5(20.9)	C-276 - SC124 - N1/2 - 3785
	ASTM A312 304L/316L SS	207bar (3000psi)	150	1/4	47.3(1.86)	160(6.29)	3.8(0.149)	0.66(1.45)	6(4)JL - SC207 - N1/4 - 150
		300bar (4350psi)	300	1/4	47.3(1.86)	368(14.5)	6.0(0.236)	2.5(5.5)	6(4)JL - SC300 - N1/4 - 300
		300bar (4350psi)	500	1/4	47.3(1.86)	597(23.5)	6.0(0.236)	4.1(9.04)	6(4)JL - SC300 - N1/4 - 500
		344BAR	150	1/4	47.3(1.86)	215(8.46)	6.2(0.244)	1.22(2.68)	6(4)JL - SC344 - N1/4 - 150
		344BAR	150	1/2	47.3(1.86)	215(8.46)	6.2(0.244)	1.22(2.68)	6(4)JL - SC344 - N1/2 - 150
		344BAR	290	1/4	47.3(1.86)	367(14.45)	6.2(0.244)	2.5(5.51)	6(4)JL - SC344 - N1/4 - 290
		344BAR	290	1/2	47.3(1.86)	367(14.45)	6.2(0.244)	2.5(5.51)	6(4)JL - SC344 - N1/2 - 290
		344BAR	300	1/4	47.3(1.86)	368(14.5)	6.2(0.244)	2.5(5.51)	6(4)JL - SC344 - N1/4 - 300
		344BAR	300	1/2	47.3(1.86)	368(14.5)	6.2(0.244)	2.5(5.51)	6(4)JL - SC344 - N1/2 - 300
		344BAR	500	1/4	47.3(1.86)	597(23.5)	6.2(0.244)	3.8(8.37)	6(4)JL - SC344 - N1/4 - 500
		344BAR	500	1/2	47.3(1.86)	597(23.5)	6.2(0.244)	3.8(8.37)	6(4)JL - SC344 - N1/2 - 500
	DUPLEX UNS31803	344BAR	500	1/4	59.3(2.34)	317(12.48)	4.0(0.157)	4.1(9.03)	UNS31803 - SC344 - N1/4 - 500
		344BAR	500	1/2	59.3(2.34)	317(12.48)	4.0(0.157)	4.1(9.03)	UNS31803 - SC344 - N1/2 - 500
	ASTM A312 304L/316L SS	344BAR	750	1/4	87.3(3.44)	279(10.98)	9.8(0.385)	4.0(8.81)	6(4)JL - SC344 - N1/4 - 750
		344BAR	750	1/2	87.3(3.44)	279(10.98)	9.8(0.385)	4.0(8.81)	6(4)JL - SC344 - N1/2 - 750
		344BAR	1000	1/4	87.3(3.44)	350(13.78)	9.8(0.385)	5.6(12.34)	6(4)JL - SC344 - N1/4 - 1000
		344BAR	1000	1/2	87.3(3.44)	350(13.78)	9.8(0.385)	5.6(12.34)	6(4)JL - SC344 - N1/2 - 1000
	ALLOY UNS 8825	344BAR	1000	1/4	87.3(3.44)	375(14.76)	9.6(0.378)	7.5(16.53)	UNS 8825 - SC344 - N1/4 - 1000
		344BAR	1000	1/2	87.3(3.44)	375(14.76)	9.6(0.378)	7.5(16.53)	UNS 8825 - SC344 - N1/2 - 1000
	ASTM A312 304L/316L SS	346BAR	2000	1/4	88.9(3.50)	620(24.40)	10.3(0.405)	12(26.45)	6(4)JL - SC346 - N1/4 - 2000
		346BAR	2000	1/2	88.9(3.50)	620(24.40)	10.3(0.405)	12(26.45)	6(4)JL - SC346 - N1/2 - 2000
		351BAR	3000	1/4	88.9(3.50)	890(35.04)	10.3(0.405)	17(37.47)	6(4)JL - SC351 - N1/4 - 3000
		351BAR	3000	1/2	88.9(3.50)	890(35.04)	10.3(0.405)	17(37.47)	6(4)JL - SC351 - N1/2 - 3000
		466BAR	3000	1/4	114.3(4.50)	670(26.38)	16.0(0.629)	24(52.49)	6(4)JL - SC466 - N1/4 - 3000
		466BAR	3000	1/2	114.3(4.50)	670(26.38)	16.0(0.629)	24(52.49)	6(4)JL - SC466 - N1/2 - 3000
		466BAR	9000	1/4	114.3(4.50)	1840(72.44)	16.0(0.629)	71(156.52)	6(4)JL - SC466 - N1/4 - 9000
		466BAR	9000	1/2	114.3(4.50)	1840(72.44)	16.0(0.629)	71(156.52)	6(4)JL - SC466 - N1/2 - 9000
	DUPLEX UNS31803	700bar (10150psi)	200	1/4	59.3(2.34)	200(7.87)	8.0(0.315)	1.72(3.79)	UNS31803 - SC700 - N1/4 - 200
		700bar (10150psi)	200	1/2	59.3(2.34)	200(7.87)	8.0(0.315)	1.72(3.79)	UNS31803 - SC700 - N1/2 - 200
		700bar (10150psi)	300	1/4	59.3(2.34)	250(9.84)	8.0(0.315)	2.7(5.95)	UNS31803 - SC700 - N1/4 - 300
		700bar (10150psi)	300	1/2	59.3(2.34)	250(9.84)	8.0(0.315)	2.7(5.95)	UNS31803 - SC700 - N1/2 - 300
		700bar (10150psi)	300	1/4	47.3(1.86)	368(14.5)	6.2(0.244)	2.5(5.51)	UNS31803 - SC700 - N1/4 - 300
		700bar (10150psi)	300	1/2	47.3(1.86)	368(14.5)	6.2(0.244)	2.5(5.51)	UNS31803 - SC700 - N1/2 - 300
		700bar (10150psi)	1000	1/4	100.6(3.96)	330(12.99)	10.3(0.405)	6.0(13.22)	UNS31803 - SC700 - N1/4 - 1000
		700bar (10150psi)	1000	1/2	100.6(3.96)	330(12.99)	10.3(0.405)	6.0(13.22)	UNS31803 - SC700 - N1/2 - 1000

SUPER DUPLEX 32750	700bar (10150psi)	500	1/4	59.3(2.34)	500(19.68)	8.1(0.318)	5.6(12.34)	UNS32750 - SC700 - N1/4 - 500
	700bar (10150psi)	500	1/2	59.3(2.34)	500(19.68)	8.1(0.318)	5.6(12.34)	UNS32750 - SC700 - N1/2 - 500
	700bar (10150psi)	1000	1/4	100.6(3.96)	330(12.99)	10.3(0.405)	6.0(13.22)	UNS32750 - SC700 - N1/4 - 1000/S
	700bar (10150psi)	1000	1/2	100.6(3.96)	330(12.99)	10.3(0.405)	6.0(13.22)	UNS32750 - SC700 - N1/2 - 1000/S
	700bar (10150psi)	1000	1/4	100.6(3.96)	350(13.78)	9.3(0.366)	6.02(13.27)	UNS32750 - SC700 - N1/4 - 1000/D
	700bar (10150psi)	1000	1/2	100.6(3.96)	350(13.78)	9.3(0.366)	6.02(13.27)	UNS32750 - SC700 - N1/2 - 1000/D