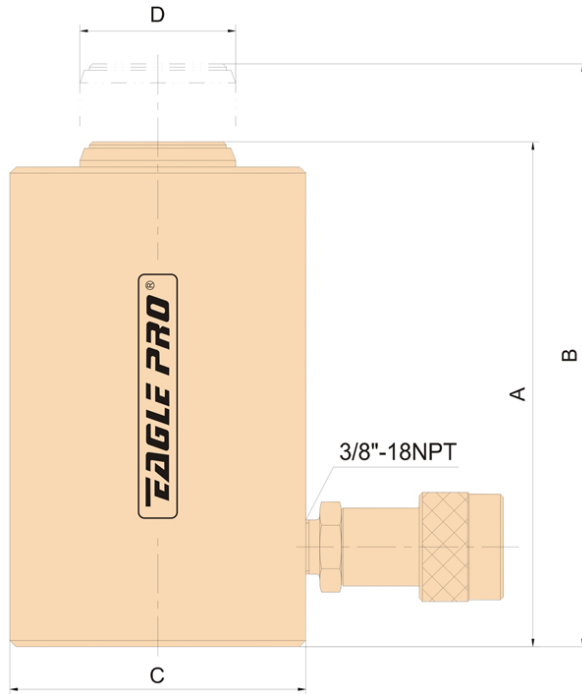


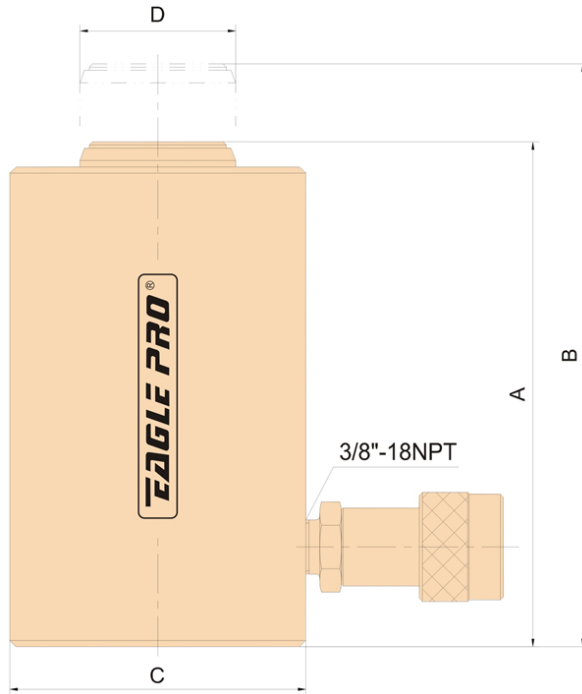
# ESA Series Hydraulic Cylinders



## Imperial Measurements

MODEL	CYLINDER CAPACITY @ 10,000 PSI (700 BAR)	STROKE IN	CYLINDER EFFECTIVE AREA IN <sup>2</sup>	OIL CAPACITY IN <sup>3</sup>	COLLAPSED HEIGHT A	EXTENDED HEIGHT B	OUTSIDE DIAMETER C	PISTON DIAMETER D	WEIGHT LBS
	METRIC TON (US TON)				IN	IN	IN	IN	
ESA-202	20 (22)	2.13	4.39	9.32	6.38	8.50	3.74	1.97	7.70
ESA-204		4.13		18.13	8.39	12.52			9.46
ESA-206		6.14		26.93	10.37	16.52			11.44
ESA-302	30 (33)	2.13	6.85	14.56	7.38	9.51	4.29	2.56	11.44
ESA-304		4.13		28.31	9.37	13.50			13.42
ESA-306		6.14		42.06	11.38	17.52			16.72
ESA-552	50 (55)	2.13	10.99	23.35	6.75	8.88	5.28	3.15	15.84
ESA-554		4.13		45.41	8.74	12.87			19.58
ESA-556		6.14		67.47	10.75	16.89			23.98
ESA-1002	100 (103)	2.13	20.62	43.81	7.76	9.88	7.40	4.13	34.76
ESA-1006		6.26		129.00	11.75	18.01			49.50

# ESA Series Hydraulic Cylinders



## Metric Measurements

MODEL	CYLINDER CAPACITY @ 10,000 PSI (700 BAR)	STROKE MM	CYLINDER EFFECTIVE AREA CM2	OIL CAPACITY CM3	COLLAPSED HEIGHT	EXTENDED HEIGHT	OUTSIDE DIAMETER	PISTON DIAMETER	WEIGHT KG
	METRIC TON (US TON)				A	B	D	F	
ESA-202	20 (22)	54.00	28.30	152.82	162.00	216.00	95.00	50.00	3.50
ESA-204		105.00		297.15	213.00	318.00			4.30
ESA-206		156.00		441.48	263.50	419.50			5.20
ESA-302	30 (33)	54.00	44.20	238.68	187.50	241.50	109.00	65.00	5.20
ESA-304		105.00		464.10	238.00	343.00			6.10
ESA-306		156.00		689.52	289.00	445.00			7.60
ESA-552	50 (55)	54.00	70.90	382.86	171.50	225.50	134.00	80.00	7.20
ESA-554		105.00		744.45	222.00	327.00			8.90
ESA-556		156.00		1106.04	273.00	429.00			10.90
ESA-1002	100 (103)	54.00	133.00	718.20	197.00	251.00	188.00	105.00	15.80
ESA-1006		159.00		2114.70	298.50	457.50			22.50