

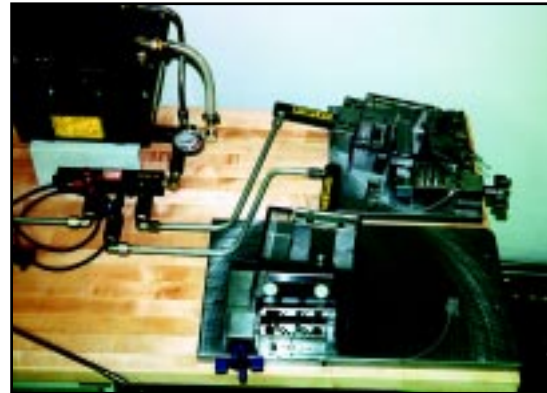
CYLINDERS

SPRING RETURN - 5-10 TON

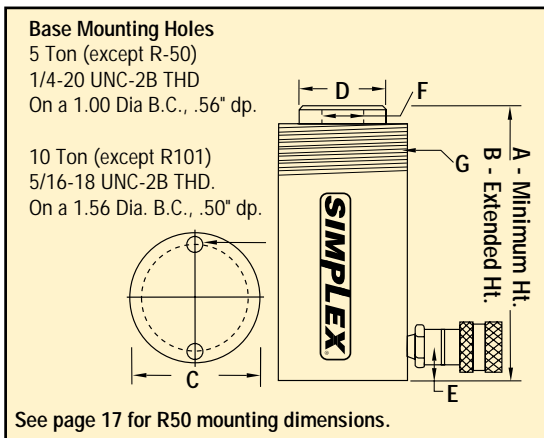
Simplex Cylinders Improve Manufacturing Efficiencies.



- 14 Models
- High flow quality couplers.
- Collar threads designed for full load.
- Base & piston mountings for easy fixturing.
- Removable load caps for flexibility & safety.
- Stop ring for piston blow-out protection.
- Plated piston to resist scoring & corrosion.
- Large bearings resist side load.
- Rod wiper protects inner cylinder from dirt.



Simplex spring return cylinders, used in this fabricating fixture, provide fast and accurate forming of precision metal products.



Cylinder Accys. pg. 9	Hoses pgs. 66-67	Bases pg. 9	Pump & Cylinder Sets pg. 28

Spring Return Cylinders 5 & 10 Ton Capacities

Model Number	Cap. (tons)	Stroke (mm)	A Min. Ht. (mm)	B Ext. Ht. (mm)	Ram Bore Dia. (mm)	Effect Area (cm ²)	Pres. @ Cap. (bar)	Oil Cap. Req'd (cm ³)	C Body O.D. (mm)	D Piston O.D. (mm)	E Base To Port C/L (mm)	F		G		Wgt. (kg)	Sugstd. Hand Pump
												Piston I.D. Thrs. (in)	Piston Thrd. Depth (in)	Collar Thrs. (in)	Collar Thrd. Lgth. (in)		
R50	5	16	41	57	29	6,4	700	9,8	41 x 58	25	19	None	None	None	None	1,1	P41
R51		25	110	135				16,4				1,1					
R53		76	165	241				49,2				1,5					
R55		127	216	343				81,9				1,8					
R57		178	270	448				114,7				2,3					
R59		232	324	556				148,7				2,5					
R101	10	25	90	115	43	14,5	700	36,1	57	38	19	None	None	1 1/8	1,6	P42	
R102		54	121	175				85,6				2,2					
R104		105	171	276				150,8				2,8					
R106		156	288	444				224,5				4,0					
R108		203	298	501				295				4,8					
R1010		257	349	606				372,1				5,4					
R1012		305	400	705				442,5				6,1					
R1014		356	451	807				516,3				6,9					

SPRING RETURN - 15-25 TON

CYLINDERS

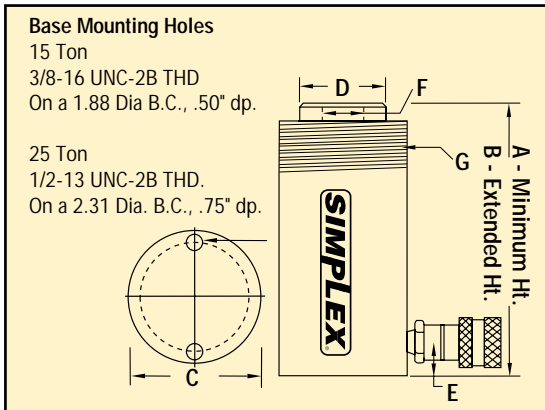
Simplex Cylinders Are Perfect For Heavy Maintenance.



- 13 Models
- High flow quality couplers.
- Collar threads designed for full load.
- Base & piston mountings for easy fixturing.
- Removable load caps for flexibility & safety.
- Stop ring for piston blow-out protection.
- Plated piston to resist scoring & corrosion.
- Large bearings resist side load.
- Rod wiper protects inner cylinder from dirt.



Large steel coils that were damaged in handling are reshaped using a Simplex R256 cylinder and PE70 Series pump.



Cylinder Accys. pg. 9	Hoses pgs. 66-67	Bases pg. 9	Pump & Cylinder Sets pg. 28

Spring Return Cylinders 15 & 25 Ton Capacities

Model Number	Cap. (tons)	Stroke (mm)	A Min. Ht. (mm)	B Ext. Ht. (mm)	Ram Bore Dia. (mm)	Effect Area (cm ²)	Pres. @ Cap. (bar)	Oil Cap. Req'd (cm ³)	C Body O.D. (mm)	D Piston O.D. (mm)	E Base To Port C/L (mm)	F		G		Wgt. (kg)	Sugstd. Hand Pump
												Piston I.D. Thrds. (in)	Piston Thrd. Depth (in)	Collar Thrds. (in)	Collar Thrd. Lgth. (in)		
R152	15	51	149	200	51	6,4	700	103,3	51	41	19	1 x 8	1	23/4 x 16	1 3/16	3,7	P42
R154		102	200	302				206,5								4,9	
R156		152	271	423				311,4								6,6	
R1510		254	373	627				514,6								8,8	
R1514		356	475	831				721,2								11,1	
R251	25	25	140	165	65	14,5	700	85,2	65	57	25	1 1/2 x 16	1 1/8	35/16x12	1 15/16	5,4	P42
R252		51	165	216				168,8								6,8	
R254		102	216	318				337,6								8,2	
R256		159	273	432				527,8								10,4	
R258		210	324	534				696,6								12,2	
R2510		260	375	635				865,4								14,1	
R2512		311	425	736				1034,2								15,9	
R2514		362	476	838				1203								17,7	

CYLINDERS

SPRING RETURN - 30-100 TON

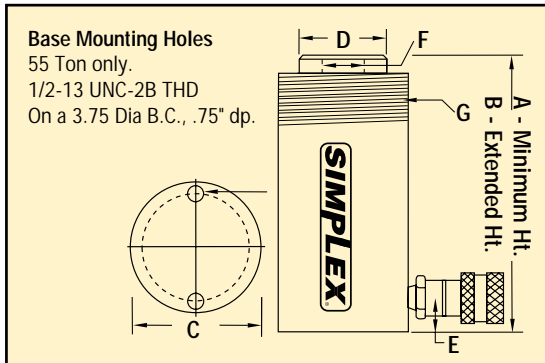
Simplex Cylinders Help Stand Up To Tough Construction Jobs.






- 9 Models
- High flow quality couplers.
- Collar threads designed for full load.
- Base & piston mountings for easy fixturing.
- Removable load caps for flexibility & safety.
- Stop rings for piston blow-out protection.
- Plated piston to resist scoring & corrosion.
- Large bearings resist side load.
- Rod wiper protects inner cylinder from dirt.
- Removable carrying handles included on models R556 through R10010.



Contractors called on the brute force of Simplex R5513 cylinders to lift and position highway ramps in San Diego. PE50 power units provided the power and control in this rough outdoor application.



		
Power Pumps pgs. 40-58	Hoses pgs. 66-67	Cylinder Accessories pg. 9

Spring Return Cylinders 30 Through 100 Ton Capacities

Model Number	Cap. (tons)	Stroke (mm)	A Min. Ht. (mm)	B Ext. Ht. (mm)	Ram Bore Dia. (mm)	Effect Area (cm ²)	Pres. @ Cap. (bar)	Oil Cap. Req'd (cm ³)	C Body O.D. (mm)	D Piston O.D. (mm)	E Base To Port C/L (mm)	F		G		Wgt. (Kg)	Sugstd. Hand Pump
												Piston I.D. Thrds. (in)	Piston Thrd. Depth (in)	Collar Thrds. (in)	Collar Thrd. Lgth. (in)		
R308	30	210	387	597	73	41,9	700	878,5	102	57	57	1 1/2 x 16	1 3/16	35/16x12	1 15/16	18,1	P82
R552		51	176	227	95	71,3	700	362,2	127	79	35					N/A	N/A
R554	55	102						114				102,6	700	885,1	146		
R556		159	283	442	130	133,1	700		1130,9	159	105			30		N/A	N/A
R5513		337	460	797				130	133,1			700	2397,9		159		
R756	75	156	286	449	130	133,1	700			1596,4	159		105	30		N/A	N/A
R7513		333						130	133,1	700		3409,1			159		
R1006	100	168	337	505	130	133,1	700				2245,4	159	105	30		N/A	N/A
R10010		261	429	690				130	133,1	700	3474,7				159		

*Power pumps are suggested for these units (see pages 40-58)

NEW!

NEW!