



Single Acting Hydraulic Telescopic Cylinder

Series SAT2



ENGINEERING YOUR SUCCESS.

Updated Design from the Industry Leader

Parker Cylinder Division has been manufacturing hydraulic cylinders for over 100 years and is a leading supplier to the truck, mining, material handling, and refuse markets. The SAT Series cylinder continues

the company's dedication to providing industry leading products focused on reducing the long term costs of operating critical capital equipment. This updated design provides the following benefits over our existing product offering:

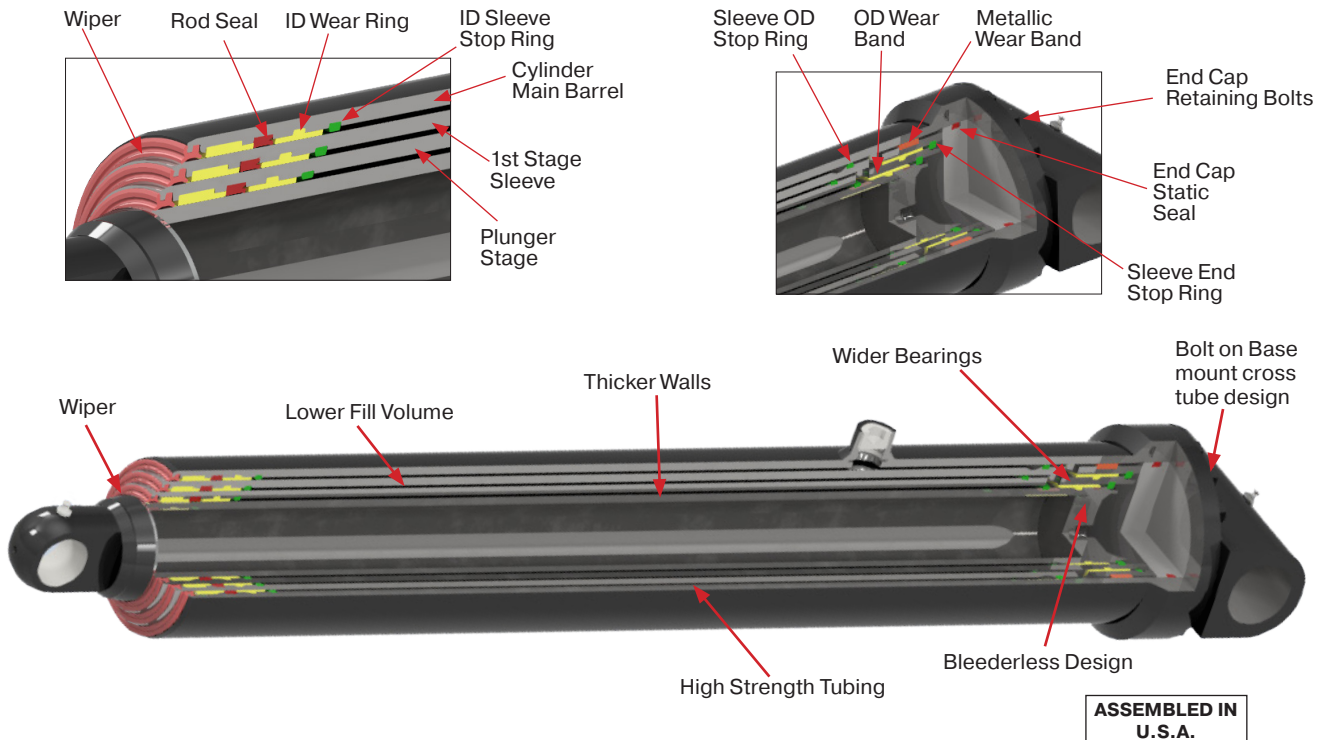


New SAT2 Design Features

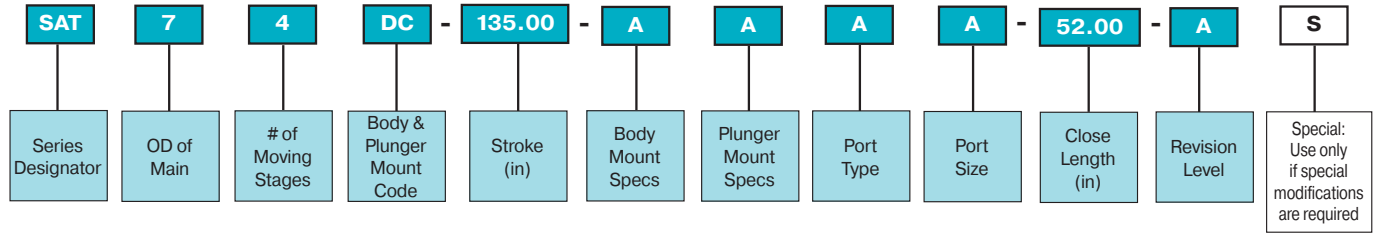
Improved I.D. Bearing Design	New I.D. bearing design provides a tighter fit between the bearings and sleeves compared to the original SAT providing more rigidity improving sideload resistance and increasing seal life
New Compact End Cap Design	New End Cap Design allows mounting the cylinder in a mount with a much smaller clearance radius compared to the original SAT

SAT Design Features

Increased Operating Pressure	Cylinder rated to handle 2500 psi operating pressure representing a 25% increase over the SA series cylinder
Increased Lifting Force	Larger plunger size and increased operating pressure result in increased lifting force over the SA series cylinder
Reduced Weight	Cylinder design is on average 4% lighter compared to SA series due to smaller gaps between the stages requiring less hydraulic fluid to fill cylinder.
Reduced Cycle Time	Decreased space between sleeves and less oil to fill cylinder results in 13% average reduction in cylinder cycle time compared to SA series cylinder



Model Code Description



Standard Sizes

Part Number	Model	Stroke (in)	Closed (in)	Open (in)	Base Pin Dia & Mount Width (in)	Plunger Pin Dia & Mount Width (in)	Pressure Rating (PSI)
1HSATA00250001	SAT53DC084.00-ABAA-41.19-A	84.00	41.19	125.19	2.00 X 7.00	1.63 X 1.50	2500
1HSATA00250002	SAT53DC104.00-AAAB-47.69-A	104.00	47.69	151.69	2.00 X 7.00	1.75 X 2.00	2500
1HSATA00250003	SAT53DC107.00-AAAB-48.50-A	107.00	48.50	155.50	2.00 X 7.00	1.75 X 2.00	2500
1HSATA00250004	SAT53DC126.00-AAAB-54.81-A	126.00	54.81	180.81	2.00 X 7.00	1.75 X 2.00	2500
1HSATA00250005	SAT53DC72.00-ABAA-37.19-A	72.00	37.19	109.19	2.00 X 7.00	1.63 X 1.50	2500
1HSATA00250006	SAT53DC120.00-BCDB-52.81-A	120.00	52.81	172.81	2.00 X 7.75	1.75 X 1.50	2500
1HSATA00250007	SAT53DC123.00-BCDB-54.50-A	123.00	54.50	177.50	2.00 X 7.75	1.75 X 1.50	2500
1HSATA00250008	SAT63DC123.00-AAAB-54.94-A	123.00	54.94	177.94	2.00 X 7.00	2.00 X 2.00	2500
1HSATA00250009	SAT63DC140.25-AAAB-59.81-A	140.25	59.81	200.06	2.00 X 7.00	2.00 X 2.00	2500
1HSATA00250010	SAT63DC104.00-AAAB-47.50-A	104.00	47.50	151.50	2.00 X 7.00	2.00 X 2.00	2500
1HSATA00250011	SAT63DC107.00-AAAB-48.50-A	107.00	48.50	155.50	2.00 X 7.00	2.00 X 2.00	2500
1HSATA00250012	SAT63DC120.00-AAAB-52.81-A	120.00	52.81	172.81	2.00 X 7.00	2.00 X 2.00	2500
1HSATA00250013	SAT63DC126.00-AAAB-54.81-A	126.00	54.81	180.81	2.00 X 7.00	2.00 X 2.00	2500
1HSATA00250014	SAT63DC126.00-CCDB-55.50-A	126.00	55.50	181.50	2.38 X 8.00	2.13 X 1.50	2500
1HSATA00250015	SAT63DC150.00-CCDB-66.000-A	150.00	66.00	216.00	2.38 X 8.00	2.13 X 1.50	2500
1HSATA00250016	SAT63DC162.00-CCDB-67.50-A	162.00	67.50	229.50	2.38 X 8.00	2.13 X 1.50	2500
1HSATA00250017	SAT63DC111.00-AAAB-49.94-A	111.00	49.94	160.94	2.00 X 7.00	2.00 X 2.00	2500
1HSATA00250018	SAT63DC138.00-CCDB-59.50-A	138.00	59.50	197.50	2.38 X 8.00	2.13 X 1.50	2500
1HSATA00250019	SAT64DB135.00-DAAE-47.19-A	135.00	47.19	182.19	1.75 X 8.00	1.50 X 2.69	2500
1HSATA00250020	SAT64DB156.00-DAAE-53.19-A	156.00	53.19	209.19	1.75 X 8.00	1.50 X 2.69	2500
1HSATA00250021	SAT64DC156.00-EAAB-53.62-A	156.00	53.62	209.62	2.00 X 7.25	2.00 X 1.75	2500
1HSATA00250022	SAT73DC124.62-AAAB-54.81-A	124.62	54.81	179.43	2.00 X 8.25	2.00 X 2.00	2500
1HSATA00250023	SAT73DC140.18-AAAB-60.00-A	140.18	60.00	200.18	2.00 X 8.25	2.00 X 2.00	2500
1HSATA00250024	SAT74DC135.00-AAAB-48.44-A	135.00	48.44	183.44	2.00 X 8.25	2.00 X 2.00	2500
1HSATA00250025	SAT74DC161.75-AAAB-55.31-A	161.75	55.31	217.06	2.00 X 8.25	2.00 X 2.00	2500
1HSATA00250026	SAT74DC180.00-AAAB-61.12-A	180.00	61.12	241.12	2.00 X 8.25	2.00 X 2.00	2500
1HSATA00250027	SAT74DC140.00-AAAB-49.75-A	140.00	49.75	189.75	2.00 X 8.25	2.00 X 2.00	2500
1HSATA00250028	SAT74DC167.00-AAAB-56.25-A	167.00	56.25	223.25	2.00 X 8.25	2.00 X 2.00	2500
1HSATA00250029	SAT74DC156.00-AAAB-53.75-A	156.00	53.75	209.75	2.00 X 8.25	2.00 X 2.00	2500
1HSATA00250030	SAT84DC180.00-AAAF-59.75-A	180.00	59.75	239.75	2.00 X 9.50	2.00 X 2.00	2500
1HSATA00250031	SAT84DC188.00-AAAF-61.75-A	188.00	61.75	249.75	2.00 X 9.50	2.00 X 2.00	2500
1HSATA00250032	SAT84DC161.00-AAAF-55.75-A	161.00	55.75	216.75	2.00 X 9.50	2.00 X 2.00	2500
1HSATA00250033	SAT85DC220.00-AAAF-60.00-A	220.00	60.00	280.00	2.00 X 9.50	2.00 X 2.00	2500
1HSATA00250034	SAT85DC189.00-AAAF-54.62-A	189.00	54.62	243.62	2.00 X 9.50	2.00 X 2.00	2500
1HSATA00250035	SAT85DC249.00-AAAF-68.62-A	249.00	68.62	317.62	2.00 X 9.50	2.00 X 2.00	2500
1HSATA00250036	SAT85DC265.00-AAAF-71.00-A	265.00	71.00	336.00	2.00 X 9.50	2.00 X 2.00	2500
1HSATA00250037	SAT85DC234.00-AAAF-64.62-A	234.00	64.62	298.62	2.00 X 9.50	2.00 X 2.00	2500
1HSATA00250040	SAT63DC129.56-AACB-56.00-A	129.56	56.00	185.56	2.00 X 7.00	2.00 X 2.00	2500

Parker Hannifin Corporation
Cylinder Division
500 South Wolf Road
Des Plaines, IL 60016 USA
phone (847) 298-2400
fax (800) 892-1008
www.parker.com/cylinder

