

Hyco® Single Acting Telescopic Cylinders

Proven, Dependable Hoist Solutions



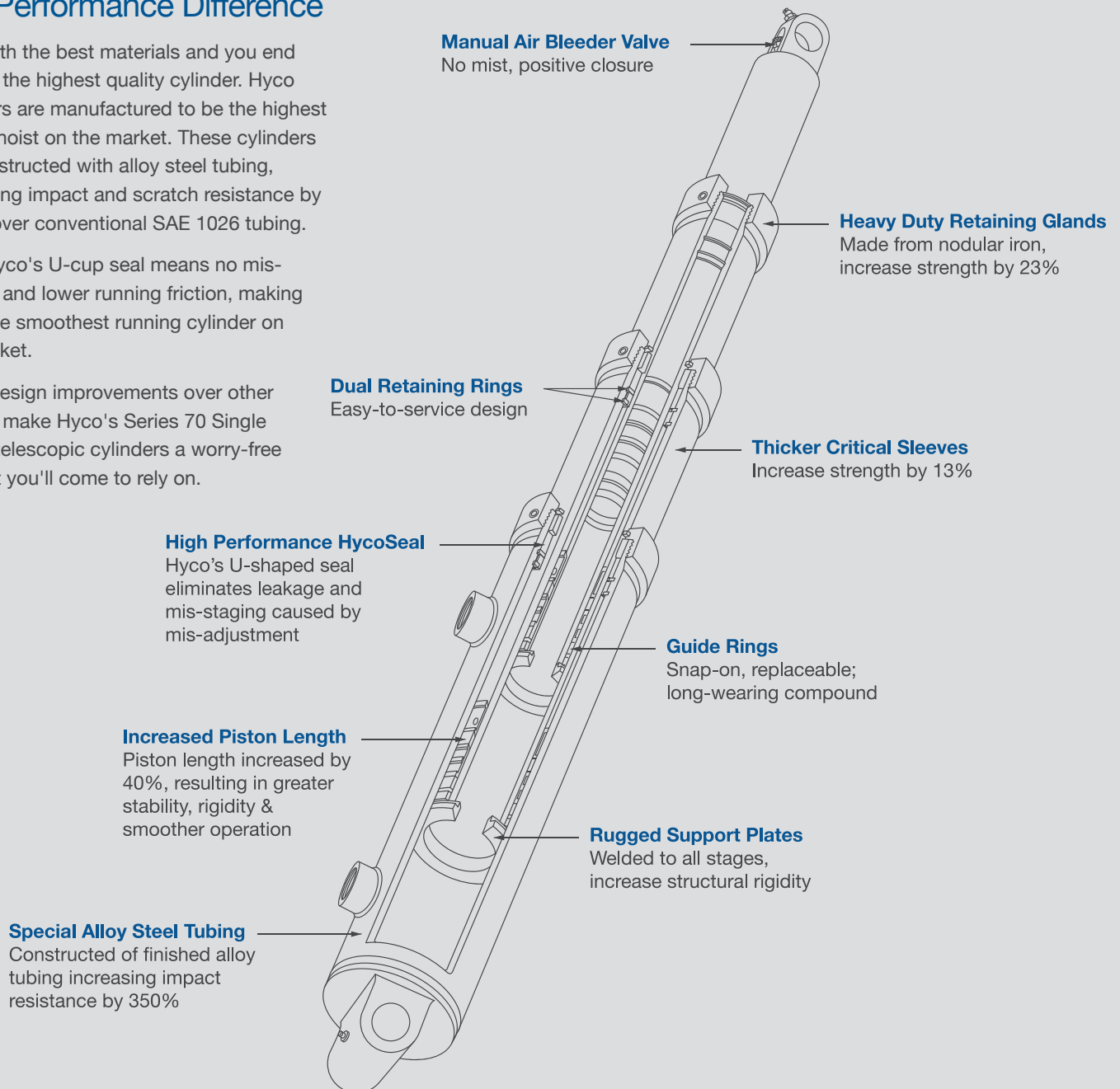
Take a Closer Look

The Performance Difference

Start with the best materials and you end up with the highest quality cylinder. Hyco cylinders are manufactured to be the highest quality hoist on the market. These cylinders are constructed with alloy steel tubing, increasing impact and scratch resistance by 350% over conventional SAE 1026 tubing.

Plus, Hyco's U-cup seal means no mis-staging and lower running friction, making them the smoothest running cylinder on the market.

Major design improvements over other models make Hyco's Series 70 Single Acting telescopic cylinders a worry-free product you'll come to rely on.



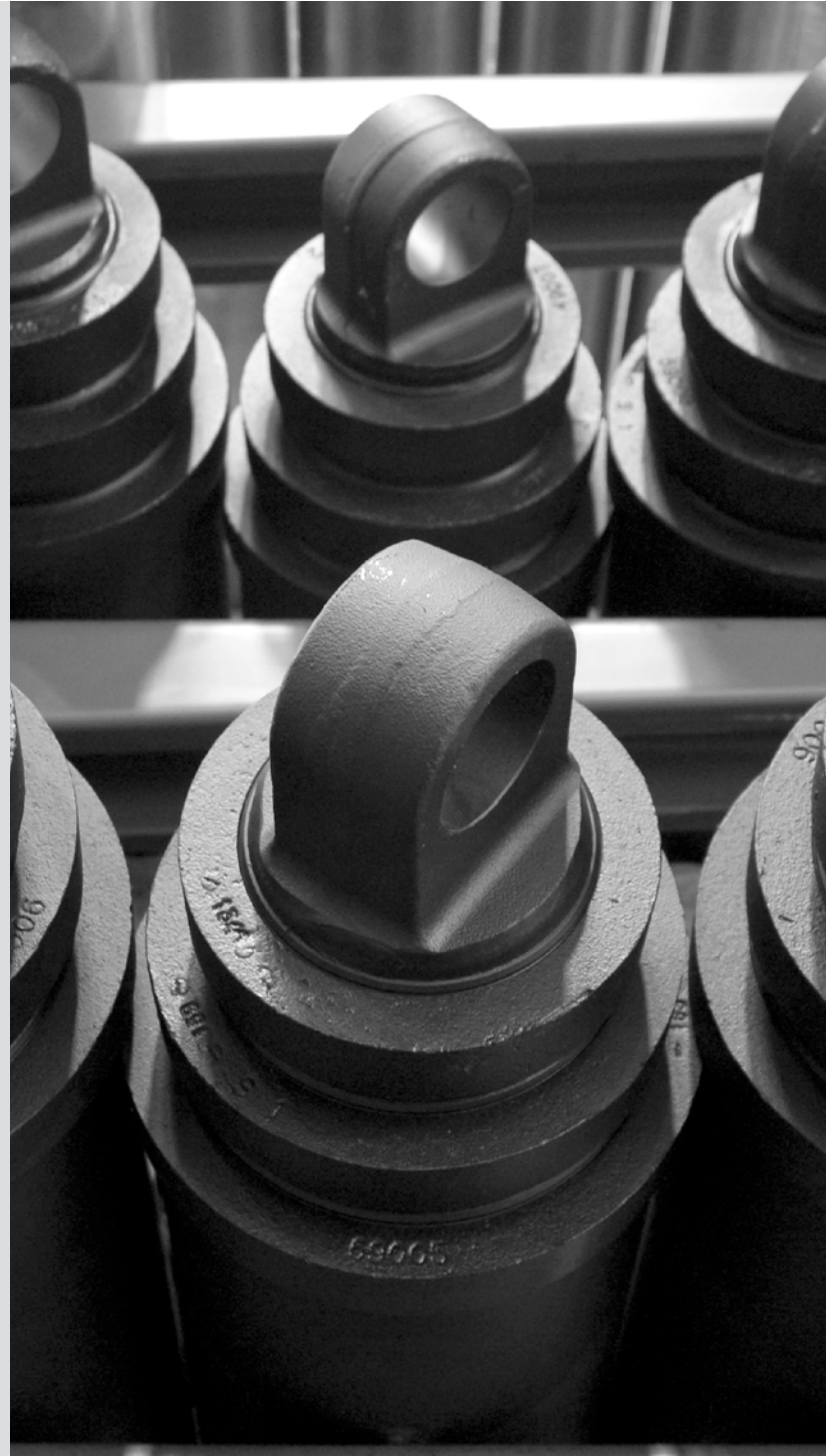
Specs and Benefits

U-cup design

- Lower running friction for smooth, fast operation
- Lower friction means lower break-away pressure
- No mis-staging
- No seal adjustments required
- No compression set like standard V-packing
- Dry operation means no oil build up on stages
- Longer seal life than V-packing
- Better temperature range
- Dual bearings provide more bearing surface area for greater support

Alloy tubing material

- DIN ST 52.3 vs. 1026 tubing means higher column strength
- Increased impact resistance
- Increased scratch resistance
- All stages are skive bored to meet exacting clearances
- Closer piston tolerances
- Compare to the competitions unfinished raw tubing
- Dual internal piston retaining rings



Built for the Toughest Jobs

Model Code Breakdown

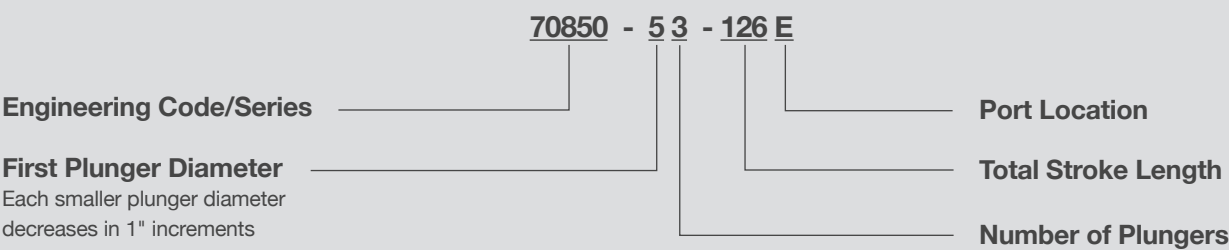
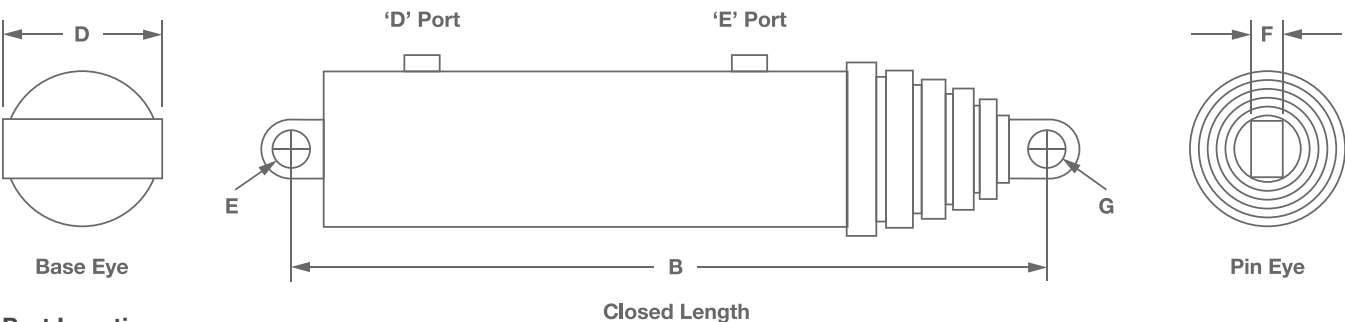


Diagram & Porting Locations



Fluid Capacity

Plunger Diam. (Inches)	Effective Area (Sq. Inches)	Load Capacity (lbs. at 2000 psi)	Displacement (Gal/in of Stroke)
3	7.07	14,140	.031
4	12.56	25,120	.054
5	19.63	39,260	.085
6	28.27	56,540	.122
7	38.48	76,960	.166
8.12	51.78	103,560	.224
9.38	69.10	138,200	.299

Crossovers Available

We carry a variety of crossovers for most telescopic cylinder manufacturers such as, Parker®, Commercial Intertech®, Custom Hoist® and Heil®. If you want to switch to a brand that's become synonymous with quality - switch to a Hyco® cylinder.

Parts & Repairs

Being the top distributor for Hyco® telescopic cylinders in the United States not only means we stock complete cylinders, but replacement seals too. Not to mention, if you are ever in need of a repair, our telescopic cylinder department specializes in dump truck hoist cylinder - end dump cylinder rebuild and repair.

Pin Mount Options

3-Stage Telescopic Cylinders



Dimensions

	A	B	C	D	E	F	G	
Cylinder Model	Total Stroke Length	Closed Length	Extended Length	Width of Base Eye	Diam. of Base Pin Eye	Width of Top Pin Eye	Diam. of Top Pin Eye	Weight (lbs)
70057-53-84	84	40	123 5/8	6 5/8	2	1 1/2	1 1/2	158
70252-53-105	105	48 1/2	153 1/2	7 3/4	2	1 1/2	1 3/4	215
70252-53-120	120	53 1/2	173 1/2	7 3/4	2	1 1/2	1 3/4	223
70252-53-123	123	54 1/2	177 1/2	7 3/4	2	1 1/2	1 3/4	225
70850-53-107E	107	48 1/2	156	7	2	2	1 3/4	210
70850-53-126E	126	54 1/2	181 1/4	7	2	2	1 3/4	215
70251-63-120	120	53 1/2	173 1/2	7 1/4	2 3/8	1 1/2	2 1/8	265
70251-63-126	126	55 1/2	181 1/2	7 1/4	2 3/8	1 1/2	2 1/8	280
70251-63-138	138	59 1/2	197 1/2	7 1/4	2 3/8	1 1/2	2 1/8	310
70347-63-108DE	108	49 1/2	157 1/2	7 1/4	2	2	2	272
70347-63-120DE	120	53 1/2	173 1/2	7 1/4	2	2	2	265
70347-63-126DE	126	55 1/2	181 1/2	7 1/4	2	2	2	280
70347-63-130DE	130	56 3/4	186 3/4	7 1/4	2	2	2	310
70347-63-132DE	132	57 3/8	189 3/8	7 1/4	2	2	2	310
70347-63-140E	140	60	200	7 1/4	2	2	2	325
70500-63-126	126	55 1/4	181 1/4	6 3/4	2	2	1 5/8	290
70852-63-140E	140	59 3/4	200	7 5/8	2	2	1 3/4	325

Measurements are in inches.

Pin Mount Options

4 & 5-Stage Telescopic Cylinders



Dimensions (4-Stage)

	A	B	C	D	E	F	G	
Cylinder Model	Total Stroke Length	Closed Length	Extended Length	Width of Base Eye	Diam. of Base Pin Eye	Width of Top Pin Eye	Diam. of Top Pin Eye	Weight (lbs)
70347-64-136DE	136	48 5/8	184 1/2	7 1/4	2	1 1/2	2	275
70347-64-156DE	156	53 5/8	209 5/8	7 1/4	2	1 1/2	2	295
70470-64-132	132	47 1/4	179 1/4	8	1 3/4	2 5/8	1 1/2	275
70854-64-156	156	53 1/4	209 1/4	8	1 3/4	2 5/8	1 1/2	295
70894-64-168E	168	56 5/8	224 1/2	7 1/4	2	1 1/2	2	310
70387-74-135DE	135	48 1/2	183 1/2	8 5/8	2	2	2	340
70016-74-156DE	156	53 3/4	209 3/4	9 1/2	2	2	2	370

Measurements are in inches.

Dimensions (5-Stage)

	A	B	C	D	E	F	G	
Cylinder Model	Total Stroke Length	Closed Length	Extended Length	Width of Base Eye	Diam. of Base Pin Eye	Width of Top Pin Eye	Diam. of Top Pin Eye	Weight (lbs)
70000-815-180D	180	54	233 1/4	9 1/2	2	2	2	520
70000-815-210D	210	60	269 1/4	9 1/2	2	2	2	595
70000-815-235D	235	65	299 1/4	9 1/2	2	2	2	632
70000-815-250D	250	68	317 1/4	9 1/2	2	2	2	690
70000-815-265D	265	71	335 1/4	9 1/2	2	2	2	710

Measurements are in inches.

Trunion Mount Options

3, 4 & 5-Stage Telescopic Cylinders



Dimensions

Cylinder Model	Total Stroke Length	Closed Length	Distance from Rod Eye to Trunion	Trunion Diameter	Distance Across Trunion	Width of Pin Eye	Diam. of Pin Eye	Weight (lbs)
70072-53-120T	120	54	14 3/8	1 3/4	12 3/8	2.96	1 1/2	240
70050-63-120T	120	53 3/4	14 3/8	1 3/4	12 3/8	3.96	1 1/2	295
70050-63-140T	140	60 3/8	14 3/8	1 3/4	12 3/8	3.96	1 1/2	325
70050-64-140T	140	50	14 3/8	1 3/4	12 3/8	2.96	1 1/2	295
70050-64-160T	160	55	14 3/8	1 3/4	12 3/8	2.96	1 1/2	315
70595-74-154T	154	54	14 3/8	1 3/4	12 3/8	3.96	1 1/2	405
70595-74-172T	172	59	14 3/8	1 3/4	12 3/8	3.96	1 1/2	430
70803-815-200T	200	55	15 1/2	2 1/4	14	3	2	600
70803-815-220T	220	59	15 1/2	2 1/4	14	3	2	650
70060-815-235T	235	65 1/2	15 1/2	2 1/4	14	3	2	665
70060-815-250T	250	68 1/2	15 1/2	2 1/4	14	3	2	700
70060-815-265T	265	71 1/2	15 1/2	2 1/4	14	3	2	730
70060-815-280T	280	74 1/2	15 1/2	2 1/4	14	3	2	760

Measurements are in inches.

How to Order

To order a cylinder or crossover another manufacturer's cylinder, please call our Washington location at 800.323.8416 or 253.604.0400.

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- High Speed Motors
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