

GROVE CRANE

<u>Kit Number</u>	<u>Code (Pg. vi)</u>	<u>Rod X Bore Size</u>	<u>List Price</u>
GC9752100461	I-U-11	3-5/8 X 5	\$ 119.38
GC9752100463	I-UB-11	7 X 9	292.02
GC9752100466		EXTENSION LINE KIT	32.76
GC9752100467	I-U-11	3-5/8 X 7	148.62
GC9752100468	I-U-11	3-5/8 X 5	109.76
GC9752100470	I-UB-11	5 X 8-1/4	190.05
GC9752100475	I-U-11	7 X 9	252.56
GC9752100477	I-U-11	3 X 5-1/2	83.50
GC9752100491	I-U-11	3-5/8 X 8-1/4	137.50
GC9752100498		EXTENSION LINE KIT	24.56
GC9752100532	I-UB-9	5 X 6	312.25
GC9752100538		8-1/2" SWIVEL KIT	217.00
GC9752100563		5-1/2" SWIVEL KIT	50.05
GC9752101126		8" SWIVEL KIT	299.69

HARRICANA

<u>Kit Number</u>	<u>Code (Pg. vi)</u>	<u>Rod X Bore Size</u>	<u>List Price</u>
HAR-H0713-33M	P-V-10	1-1/2 X 3	\$ 32.32
HAR-H0714-11M	P-V-10	2 X 4	38.62
HAR-H0715-11M	P-V-10	2-1/2 X 5	64.40
HAR-H1703-12M	P-UB-12	1-1/2 X 3	37.22

HARSH MFG.

<u>Kit Number</u>	<u>Code (Pg. vi)</u>	<u>Rod X Bore Size</u>	<u>List Price</u>
HM-A9112	I-OB-1	1-7/8 X 2-1/4	\$ 1.92
HM-A9114	I-OB-1	2-7/8" ROD	6.18
HM-A9115	I-OB-1	3-3/8" ROD	6.00
HM-A9116	I-OB-1	3-7/8" ROD	7.42

HAWK

<u>Kit Number</u>	<u>Code (Pg. vi)</u>	<u>Rod X Bore Size</u>	<u>List Price</u>
HAWK-9X179910	I-OB-5	2 X 4-1/2	\$ 34.10

HI-RANGER

<u>Kit Number</u>	<u>Code (Pg. vi)</u>	<u>Rod X Bore Size</u>	<u>List Price</u>
HR-15566	I-V-9	2-1/2 X 6-1/2	\$ 48.76
HR-15567	I-V-9	3 X 7-1/2	64.11
HR-15569	I-V-9	2 X 6-1/2	48.20
HR-15574	I-V-7	2 X 5	47.66
HR-15576	I-V-1	2-1/2" ROD	12.14
HR-65008123	I-V-9	2-1/2 X 7-1/2	47.42
HR-65008124	I-V-8	2 X 6	31.90
HR-65008125	I-V-9	2-1/2 X 7	51.08
HR-65008129	I-V-9	2 X 6-1/2	50.86
HR-65008148	I-V-10, 12	2-1/2 X 4	39.72

Replacement Kits For

HEIL**Rapid Rail Automated Side Loaders**

Application	Cylinder Group	Serial Number	Code (Pg. vi)	Rod	Bore	Seal Kit HL-	List Price
Rapid Rail Models from 10/94 - 6/98							
ARM	1-6404		P-UB-14	2	3	1-6404-100	\$ 68.95
BODY RAISE	1-4807 1-6191	TO-1837 1838-UP	I-U-4	2 Stage	3-1/4, 4	K272-4893	95.30
DUMP	1-6160		I-UB-4	1-1/8	3	1-6160-100	40.37
DUMP & GRAB	1-6407		P-UB-14	1-1/8	3	1-6402-100	70.75
GRIP	1-6330 1-6331	TO-0329 0330-UP	I-UB-4 I-UB-4	1-1/8 1-1/8	2-1/2 3	K272-6627 1-6160-100	39.50 40.37
IN-OUT	1-6162 1-6403		I-UB-14 I-UB-14	1-1/8 1-1/8	1-3/4 1-3/4	1-6194-100 1-6403-100	55.45 72.60
LIFT	1-6161		I-UB-4	2	3	1-6161-100	50.62
PACKER	1-6164 1-6406		I-UB-4 P-UB-14	1-1/2 1-1/2	5 5	1-6164-100 1-6406-100	40.18 96.75
TAILGATE	1-6405		P-UB-10	1-1/8	3	1-6405-100	34.80
TAILGATE RAISE	1-6163		I-UB-4	1-1/8	3	1-6160-100	40.37

HEIL REPAIR KITS

Kit Number	Cyl. # or Description	Code (Pg. vi)	Rod X Bore Size	List Price
HL-K22-3132	A1D 3606	I-U-10,12	1-1/2 X 3	\$ 15.14
HL-K252-9310	AIE 2125, Mack MX-35, Hoist LIT-72-64	I-V-12	4-3/4, 6-1/4 Stages	183.98
HL-K252-9312	AIE 2108, Mack MX-65, Hoist LIT 92-75	I, P-V-12	6-1/4, 8-5/8 Stages	256.75
HL-K262-6627		1-UB-4	1-1/8 X 2-1/2	39.50
HL-K272-659	A1D 3873	I-V-12	2, 3-1/2 Stages	46.93
HL-K272-660	A1D 3923	I-V-10	3-1/2 X 5	53.59
HL-K272-661	A1D 3924	I-V-10	3-1/2 X 5-1/2	49.78
HL-K272-662	1-3623, AID 3605	I-U-1	2-1/2 X 3	17.17
HL-K272-663	A1D 3513	I-V-1	1-1/2" ROD	14.84
HL-K272-664	A1D 3921	I-U-10	2 X 4-1/2	31.69
HL-K272-665	A1D 3902, 1-4017	I-U-10	2-1/4 X 3-1/2	29.00
HL-K272-666	4 STAGE EJECTOR	I-V-12	2, 3, 4, 5 Stages	96.64
HL-K272-667	A1D 3904	I-U-10	2-3/4 X 5-1/2	50.84
HL-K272-668	A1D 3903	I-U-10	3-1/2 X 5	47.17
HL-K272-669	A1D 3802	I-U-1	3-1/2 X 4	18.61
HL-K272-672	A001-3807	I-U-10	2-1/4 X 5-1/2	36.17
HL-K272-673	A001-3531	I-U-10	1-1/2 X 3	25.76
HL-K272-674	A001-3525	I-U-10	2 X 4	27.77
HL-K272-676	A1D3835	I-V-12	2, 3, 4 Stages	72.79
HL-K272-677			2, 3, 4 Bearing Kit	65.43
HL-K272-933	1-4050, 1-4053, 1-4054	I-V-12	2, 3, 4, 5 Stages	92.00
HL-K272-934	1-4052	I-V-12	2, 3, 4 Stages	67.20
HL-K272-937	1-4820, 1-4070	I-V-1	2-1/2 X 3	16.56
HL-K272-938	1-4272, 1-4348, 1-4880	I-V-1	3-1/2 X 4	20.78
HL-K272-939	TAILGATE CYL	I-V-12	2-1/2 X 3	27.56
HL-K272-941	1-4081	I-U-10,12	2-3/4 X 5-1/2	74.38
HL-K272-944	A1D 4100	I-V-10	2-1/4 X 3-1/2	21.62
HL-K272-945	A1D 4101	I-V-10	2 X 4-1/2	26.10
HL-K272-946	A1D 4092	I-N-4	1-3/4 X 3	11.30
HL-K272-948	A1D 4093, 1-4340	I-V-10, 12	2-1/2 X 5	76.50

HEIL REPAIR KITS

Kit Number	Cyl. # or Description	Code (Pg. vi)	Rod X Bore Size	List Price
HL-K272-949	A1D 4094	I-V-10, 12	3 X 5	\$ 78.00
HL-K272-950	1-4097	I-V-10, 12	3 X 4-1/2	51.68
HL-K272-951		I-V-10	2-1/2 X 7-1/2	42.83
HL-K272-953	A1D 4103	I-V-10	3-1/2 X 5	57.03
HL-K272-954	A1D 4104	I-V-10	3-1/2 X 5-1/2	32.08
HL-K272-955	A1D 4106	I-V-10, 12	2, 3-1/2 Stages	75.49
HL-K272-956	A1D 4108	I-V-10, 12	2-1/2 X 4	43.23
HL-K272-956A	A1D 4108	I-V-10	2-1/2 X 4	43.23
HL-K272-957	A1D 4110	I-V-10, 12	2 X 4-1/2	62.33
HL-K272-957A	A1D 4110	I-V-10	2 X 4-1/2	62.33
HL-K272-958	1-4339, 1-4105, 1-4264	I-U-10	1-1/2 X 2-1/2	21.32
HL-K272-959	1-4341, 1-4864	I-V-10	2 X 4	29.74
HL-K272-962	A001 - 4114	I-V-12	1-1/2 X 3	30.38
HL-K272-963	1-4265	I-V-10, 12	2-1/4 X 5-1/2	93.36
HL-K272-966	1-4305, 1-4283, 1-4870	I-V-10	1-1/2 X 3	21.14
HL-K272-969		I-V-10	3-1/2 X 5	29.82
HL-K272-971	1-4134	I-V-12	3, 4 Stages	102.61
HL-K272-974		I-U-10	2 X 4	30.49
HL-K272-976	1-4261, 1-4266, 1-4267	I-V-12	4, 5, 6 Stages	178.84
HL-K272-980		N-N-12	4" Piston Ring Kit	18.73
HL-K272-981	1-4883, 1-4276, 1-4338, 1-4327	I-V-12	1-1/2 X 3	39.80
HL-K272-983		I-U-5	4 X 4-1/2	59.18
HL-K272-989	1-4309, 1-4298, 1-4878, 1-6160, 1-6189	I-U-10	4 X 5-1/2	43.52
HL-K272-994	1-4328, 1-4330	I-V-10	4 X 6	32.72
HL-K272-1024	1-4854, 1-4137, 1-4138, 1-4139, 1-4140	I-V-1	3-1/8, 4, 5 Stages	47.59
HL-K272-1026	1-4141, 1-4142, 1-4143, 1-4144	I-V-1	4,5,6 Stages	60.21
HL-K272-1027	1-4141, 1-4142, 1-4143, 1-4144	I-V-1	4,5,6 Stages	85.27
HL-K272-2771	1-4344	I-V-10,12	2 X 5	67.40
HL-K272-2774	1-4343	I-U-1	4, 5, 6, 7 Stages	233.72
HL-K272-2775	1-4345	I-V-10, 12	2 X 4	44.02
HL-K272-2776	1-4347, 1-4887	I-V-10, 12	3-1/2 X 5-1/2	44.60
HL-K272-2778	1-4824, 1-4884	I-V-10	2-1/2 X 5	40.99
HL-K272-2880	1-4467	I-U-1	4, 5 Stages	70.32
HL-K272-2924	VALVE KIT			5.87
HL-K272-3334	1-4149	I-V-10	3-1/2 X 5	45.77
HL-K272-3572	1-4849	I-V-12	3-1/2 X 4	41.50
HL-K272-3581	1-4882	I-V-10	4 X 5-1/2	38.16
HL-K272-3582	1-4868, 1-4902, 1-4903, 1-6126	I-V-10	2 X 4	30.97
HL-K272-3583	1-4869	I-V-10	3-1/2 X 5	51.29
HL-K272-3584	1-4871	I-V-10, 12	2-1/2 X 4-1/2	42.00
HL-K272-3586	1-4876	I-U-5	1-1/2 X 2-1/8	17.84
HL-K272-3594	1-5088	P-UB-10	1-3/4 X 3	34.11
HL-K272-3595	1-5082	P-UB,12, 14	2 X 4	102.87
HL-K272-3600	1-5112, 1-5147	I, P-V, UB-14	3, 4, 5 Stages	395.00
HL-K272-3605	1-5150	P-UB-14	2-1/2 X 4-1/2	83.06
HL-K272-3607	1-5146	P-UB-14	4 X 5-1/2	118.44
HL-K272-3608	1-5110	P-UB-14	2-1/2 X 5	84.44
HL-K272-3609	1-5111	P-UB-14	3-1/2 X 5-1/2	127.44
HL-K272-3991	1-4821, 1-4270	I-V-12	4, 5, 6, 7 Stages	258.99
HL-K272-4285		I-V-1	4, 5, 6 Stages	102.23
HL-K272-4456		I-U-10	2 X 6	46.00
HL-K272-4872	TELE. MRK-CYL#50009-53-189		3",4", 5"	374.00
HL-K272-4884	1-6224, 1-6225, 1-6226	I-U-12		373.50
HL-K272-4885	1-6222, 1-6223	I-U-12		245.50
HL-K272-4893	1-6191, 1-4807	I-U-4	3-1/4 X 4	95.30

HEIL REPAIR KITS

Kit Number	Cyl. # or Description	Code (Pg. vi)	Rod X Bore Size	List Price
HL-K272-4932	A1E4159	I-U-1	3-1/8, 4, 5 Stages	\$ 97.00
HL-K272-4933	1-4137, 1-4138, 1-4139, 1-4140, A1D-4437	I-V-1	3-1/8, 4, 5 Stages	84.65
HL-K272-4938		I-U-1	4, 5, 6 Stages	116.00
HL-K272-4939	WIPERS,U-SEALS,GLAND & PISTON BEARINGS		4, 5, 6 Stages	129.33
HL-K272-6627	1-6330	I-UB-4	1-1/8 X 2-1/2	39.50
HL-AID1275-2K	A1D 1275-2K	I-V-1	3-1/2" Rod	30.06
HL-AID1276K	A1D 1276	I-V-1	2, 3-1/2 Stages	47.87
HL-AID1285K	A1D 1285	I-V-1	2-3/8 Rod	14.31
HL-AID1868K	HH30 REEVING CYL.	I-V-12	3-1/2 X 5	100.35
HL-AID2105K	A1D 2105	N-V-12	1-1/2 X 3	23.13
HL-AID2801K	A1D 2801	I-V-1	3-1/2 Rod	16.83
HL-AID2844K	A1D 2844	P-V-12	2-3/4 X 5-1/2	48.34
HL-AID2847-1	A1D 2847	I-V-1	3-1/2 Rod	21.61
HL-AIC2819K	A1D 2819	P-V-12	4-1/2 X 6-1/2	144.70
HL-AID2928K	A1D 2928	I-V-12	2 X 4-1/2	25.74
HL-AID3503K	A1D 3503	I-V-1	3-1/2 Rod	16.43
HL-AID3523K	A1D 3523	I-V-1	2, 3-1/2 Stages	29.64
HL-AID3541-14	LOAD LUGGER	I-U-10	4 X 4-1/2	27.88
HL-AID3672K	A1D 3672K	I-V-10, 12	2-1/4 X 3-1/2	26.97
HL-AID3809K	3809	I-U-10	2 X 4-1/2	34.22
HL-AID3856K	A1D 3856	I-U-1	2-1/4 X 3-1/2	16.66
HL-AID3874K	A1D 3874	I-V-1	3-1/2 Rod	13.48
HL-AID3917	A1D 3917	I-V-10	3-1/2 X 5	42.04
HL-1-3688-06	1-3688	I-V-12	5, 6, 7, 8, 9-1/8 Stages	916.37
HL-1-3689-22	1-3689	I-V-12	4, 5, 6, 7, 8, 9-1/8 Stgs.	993.63
HL-1-3690-09	1-3690, 1-3691	I-V-10	4 X 6	33.39
HL-1-3692-07	1-3692, 1-3695, 1-3717, 1-3719	I-U-10	1-1/2 X 2-1/2	7.72
HL-1-3693-09	1-3693	I-V-10	2-1/2 X 5	21.96
HL-1-3706-05	1-3705, 1-3706	I-V-10	4 X 6	45.23
HL-1-4098K	1-4098	I-V-10	2-1/2 X 7-1/2	41.99
HL-1-4181-16	1-4181	I-U-5	4 X 4-1/2	36.57
HL-1-4807-100		I-U-1	3-1/4 X 4	40.37
HL-1-5098K	1-5098	P-UB-14	2-1/2 X 4-1/2	79.72
HL-1-5110-10	1-5110	P-UB-14	2-1/2 X 5	84.44
HL-1-6070K	1-6070	P-UB-14,12	1-1/2 X 3	70.44
HL-1-6085-1K	1-6085	P-UB-12,14	1-1/2 X 3	97.38
HL-1-6160-100	1-6160, 1-6163, 1-6331	1-UB-4	1-1/8 X 3	40.37
HL-1-6161-100	1-6161	1-UB-4	2 X 3	50.62
HL-1-6164-100	1-6164	1-UB-4	1-1/2 X 5	40.18
HL-1-6402-100	1-6407	P-UB-14	1-1/8 X 3	70.75
HL-1-6403-100	1-6403	P-UB-14	1-1/8 X 1-3/4	72.60
HL-1-6404-100	1-6404	P-UB-14	2 X 3	68.95
HL-1-6405-100	1-6405	P-UB-10	1-1/8 X 3	34.80
HL-1-6406-100	1-6406	P-UB-14	1-1/2 X 5	96.75
HL-1-6194-100	1-6162	I-UB-14	CYL #1-6162	55.45
HL-6403-34	A1D 3705, 3706	I-V-10	4 X 6	46.17

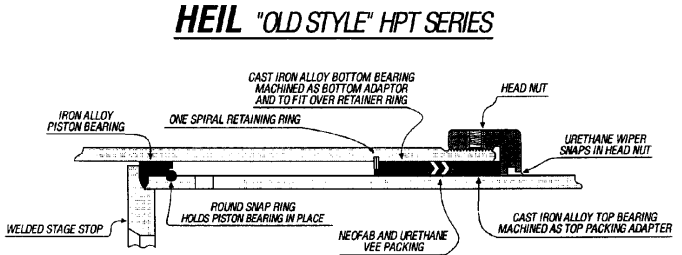
HERCULES REPLACEMENT CYLINDERS FOR HEIL HPT SERIES DUMP BODIES

Hercules Part Number	Original Part Number	Changed To	Changed To	Changed To	Current Part Number
HPT53100	A1D1972	A1D3140	A1D3887	A1E3983	A1-4137
HPT53110	A1D1766	A1D3141	A1D3888	A1E3984	A1-4138
HPT53120	A1D1973	A1D3058	A1D3889	A1E3985	A1-4139
HPT53130	A1D1974	A1D3139	A1D3890	A1E3986	A1-4140
HPT63120	A1D2043	A1D3177	A1D3891	A1E3998	A1-4141
HPT63130	A1D2044	A1D3178	A1D3892	A1E3999	A1-4142
HPT63140	A1D2298	A1D3179	A1D3893	A1E4000	A1-4143
HPT63160	A1D2624	A1D3180	A1D3180	A1E3180	A1-4144

HEIL REPLACEMENT PARTS FOR DOUBLE ACTING AND SINGLE ACTING TELESCOPIC CYLINDERS

The following parts and kits are for the old style Heil telescopic cylinders with vee packing and spiral retainer rings.

- PACKING:** Vee packing with no adaptors.
- WIPERS:** Some cylinders used bronze wipers trapped between the gland collar and the top bearing. Some cylinders used "AN" wipers which snap into a groove in the gland collar.
- BEARINGS:** Cast iron that serve as top and bottom adaptors for vee packing.
- STAGE O.D.'s:** 3-1/8 (3/16" C.S), 4, 5, 6, (1/4" C.S.)
- SPECIAL INFO.:** Uses one spiral type retainer ring per stage as internal stop. Gland collars have 2 "ears" cast 180° apart.
- IDENTIFICATION:** Metal tag attached to cylinder body with model/part number.
Example: AID3140



Part Number	Description	List Price
HL26B2090-2A	2" VEE SET & WIPER	\$ 8.28
HL26B2090-3A	3" VEE SET & WIPER	9.08
HL26B2266-1A	3-1/8" VEE SET & WIPER	15.25
HL26B2260-1A	4" VEE SET & WIPER	16.58
HL26B2260-2A	5" VEE SET & WIPER	23.89
HL26B2260-3A	6" VEE SET & WIPER	31.84
HL26A2083-1	2" SPIRAL RETAINER	3.30
HL26A2083-2	3" SPIRAL RETAINER	6.09
HL26A2240-1	3-1/8" SPIRAL RETAINER	11.30
HL26A2083-3	4" SPIRAL RETAINER	6.78
HL26A2083-4	5" SPIRAL RETAINER	6.17
HL26A2406-1	6" SPIRAL RETAINER	16.43
HL26A2080	2" PISTON RING	7.16
HL26A2081	3" PISTON RING	7.55
HL26A2082	4" PISTON RING	8.56
HL26B2221	5" PISTON RING	11.78
KITS		
HL-24	2" - 4" VEE SETS W/ WIPERS	\$ 32.33
HL-25	2" - 5" VEE SETS W/ WIPERS	54.21
HL-35	3-1/8" - 5" VEE SETS W/ WIPERS	52.19
HL-46	4" - 6" VEE SETS W/ WIPERS	67.99

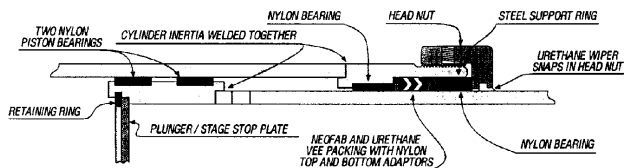
THE FOLLOWING KITS CONTAIN PACKING, WIPER, TOP & BOTTOM BEARINGS & SPIRAL SNAP RING

Kit Number	Stage O.D.	List Price
HL-2PBTK	2"	\$ 32.52
HL-3PBTK	3"	35.17
HL-3.12PBTK	3-1/8"	36.49
HL-4PBTK	4"	41.76
HL-5PBTK	5"	55.93
HL-6PBTK	6"	66.02
HL-24PBTK	2" - 4"	109.46
HL-25PBTK	2" - 5"	165.38
HL-35PBTK	3-1/8" - 5"	134.07
HL-46PBTK	4" - 6"	163.73

HEIL REPLACEMENT PARTS FOR SINGLE ACTING DUMP TRUCK CYLINDERS

The following parts and kits are for the new style Heil telescopic dump cylinders with welded stop rings and the base held in with snap rings.

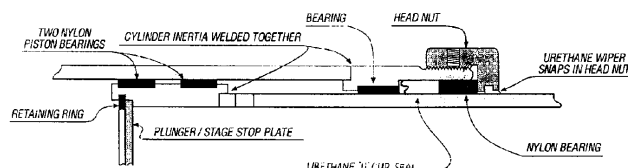
HEIL "NEW STYLE" HPT SERIES



- PACKING:** Vee packing with nylon top and bottom adaptors.
- WIPERS:** AN Style
- BEARINGS:** Split 1/8" thick nylon wear rings.
- STAGE O.D.'s:** 3-1/8, 4, 5, 6
- SPECIAL INFO.:** Has welded stop in gland. Cylinder disassembles by removing large Tru-Arc type snap ring which retains the cylinder base and bottom of each stage.
- IDENTIFICATION:** Metal tag attached to cylinder body with model/part number.
Example: AIE3938

Part Number	Description	List Price
HL-K272-1024	.....3-1/8" - 5" PACKING, WIPERS, O-RING	....\$ 47.59
HL-K272-1026	.....4" - 6" PACKING, WIPERS, O-RING	.....60.21
HL-K272-1027	.....4" - 6" PACKING, WIPERS, WEAR RINGS	....85.27
HL26-4157-3	.....5" ID UPPER WEAR RING	.....3.04
HL26-4157-4	.....6" ID UPPER WEAR RING	.....3.35
HL26-4176-4	.....6-1/2" OD LOWER WEAR RING	.....3.59
HL26-4394-1	.....3-1/8" ID UPPER WEAR RING	.....3.67
HL26-4394-2	.....4" ID UPPER WEAR RING	.....3.04
HL26-4395-1	.....3-1/2" OD LOWER WEAR RING	.....3.82
HL26-4395-2	.....4-1/2" OD LOWER WEAR RING	.....2.97
HL26-4395-3	.....5-1/2" OD LOWER WEAR RING	.....3.11

HEIL "NEW STYLE" HPT SERIES



- PACKING:** Urethane U-Seals
- WIPERS:** AN Style
- BEARINGS:** Nylon bearings above and below U-Seal
- STAGE O.D.'s:** 3-1/8, 4, 5, 6
- SPECIAL INFO.:** Welded stop in gland. Tru-Arc type snap ring which retains the cylinder base and bottom of each stage.
- IDENTIFICATION:** Metal tag attached to cylinder body with model/part number.
Example: AIE4159

Part Number	Description	List Price
HL-K272-4932	.....3-1/8, 4, 5" stages - U-seals, wipers, gland bearing, quattro rings, nylon slug, set screw	.....\$ 97.00
HL-K272-4938	.....4, 5, 6" stages - U-seals, wipers, gland bearings, quattro ring, nylon slug, set screw	.....116.00
HL-K272-4939	.....4, 5, 6" stages - U-seals, wipers, bearings, quattro ring, nylon slug, set screw	.....129.33

HEIL SPECIAL HEIL TELESCOPIC VEE SETS

Part Number	Size	List Price
HL26A2215	.....1-3/4 X 2-1/8	.....\$ 3.50
HL26A2038	.....2-1/2 X 2-7/8	.....4.95
HL26A2039	.....3-1/4 X 3-5/8	.....5.88
HL26B2202-1H	.....2 X 3 W/WIPER	.....17.63
HL26B2203-1H	.....3-1/2 X 5 W/WIPER	.....36.79
HL26B2191-2	.....6-1/4 X 6-3/4	.....40.52
HL26B2484-1	.....6-1/4 X 7-5/16	.....65.43
HL26B2482-1	.....8-5/8 X 9-5/16	.....71.30
HL30004X182	.....3 X 3-1/2 X 1.825	.....38.59
HL40004X184	.....4 X 4-1/2 X 1.845	.....51.95

The above listed Vee Sets do not use male or female adaptors.

Replacement Kits For **HIAB**

KITS HIAB

Cranes							
Application	Cylinder Group	Serial Number	Code (Pg. vi)	Rod	Bore	Seal Kit HIAB-	List Price
Model 045							
ARM	1-6404		P-UB-14	2	3	1-6404-100	\$ 68.95
SWING	Piston Kit		I-N-15	N/A	100	542148	59.50
INNER BOOM			P-U-15	50	90	542105	36.40
OUTER BOOM			P-U-15	50	90	542113	36.40
1ST EXTENSION			P-U-15	40	55	542121	32.66
2ND & 3RD EXTENSION			P-U-15	30	50	542130	29.56
LONG OUTRIGGER			P-U-15	50	70	542156	42.58
Model 070							
INNER BOOM			P-U-13	90	125	330-0871	\$ 95.24
OUTER BOOM			P-U-13	70	100	330-0889	54.40
BOOM EXTENSION			P-U-13	33	60	330-0897	20.09
		Cyl. AW, 2-stage telescopic	P-U-13	35, 82	60, 92	330-0731	97.56
Model 071							
BOOM EXTENSION	3478378		I-U-15	50	80	330-1044	\$ 28.53
	3501515						
	3400441 3509052		P-U-15	35,80	60,92	330-0731	97.56
INNER BOOM	3554589		P-U-15	90	125	330-0871	95.24
OUTER BOOM	3300889		P-U-15	70	100	330-0889	54.40
OUTRIGGER	3502414		P-U-15	70	90	330-1028	31.87
Model 100							
INNER BOOM			I-SP-15	80	125	330-0692	\$ 52.00
BOOM EXTENSION		Cyl. A	P-SP-15	45	70	330-0714	30.67
Model 120							
OUTER BOOM			P-U-15	90	125	330-1303	\$ 68.44
BOOM EXTENSION			P-U-15	45	63	330-1311	25.11
		Updated version	P-U-15	40	63	330-1320	28.13
Model 140							
INNER BOOM			I-U-13	80	140	330-1036	\$ 78.07
OUTER BOOM			I-U-13	80	140	330-1036	78.07
BOOM EXTENSION			I-U-13	50	80	330-1044	28.53
		Cyl. AW, 2-stage telescopic	P-U-13	40, 90	70, 105	330-0668	98.80
		Cyl. AWV	I-U-13	33	60	330-1001	18.44
Model 175							
BOOM EXTENSION	3616819		P-U-15	45	70	330-1583	\$ 36.72
	3622100						
	3608603 3625681		P-U-15	40	63	330-1613	32.00
EXTENSION	3583872		P-U-15	25	40	330-1052	46.81
INNER BOOM	3625745		P-U-15	100	160	330-1443	87.50
			P-U-15	100	140	330-1290	56.22
OUTER BOOM	3561330		P-U-15	100	140	330-1290	56.22

Replacement Kits For

HIAB

Cranes

Application	Cylinder Group	Serial Number	Code (Pg. vi)	Rod	Bore	Seal Kit HIAB-	List Price
Model 175 (continued)							
OUTRIGGER		Leg	P-U-15	70	90	330-1028	\$ 31.87
	3592774		P-U-15	70	90	330-1028	31.87
	3531031 3594769						
Model 650							
INNER BOOM		To # 65450	I-U-1	140	160	330-0218	\$ 49.51
		# 90001 - UP	I-U-13	100	140	330-0749	54.18
			I-U-15	100	140	330-0501	52.98
	3155528	—>65450	I-U-1	140	160	330-0218	49.51
BOOM EXTENSION			I-U-13	33	60	330-1001	18.44
		Cyl. AW, 2-stage telescopic	P-U-13	32, 85	65, 100	330-0633	72.53
		650/1 Cyl. AW, 2-stage tel.	P-U-13	35, 80	60, 92	330-0731	97.56
BOOM EXTENSION	3088031		I-U-15	33	60	330-1001	18.44
D. BOOM EXTENSION		"6216765, 3402746"	P-U-15	32,85	65,110	330-0633	72.53
		"3411176, 3199622"					
		"3080005, 3419258"	P-U-15	35,80	60,92	330-0731	97.56
D.A. INNER BOOM	3099199	90001—>	I-U-15	100	140	330-0749	54.18
	3051919		I-U-15	100	140	330-0501	52.98
	3091919						
Model 985							
INNER BOOM			I-SP-15	80	125	330-0692	\$ 52.00
OUTER BOOM			I-SP-15	80	125	330-0692	52.00
1ST EXTENSION			P-SP-15	45	70	330-0714	30.67
2ND EXTENSION		2-stage telescopic	P-U-15	35, 80	60, 92	330-0731	97.56
3RD EXTENSION			I-U-15	33	60	330-0595	25.38
AH EXTENSION			P-SP-15	45	70	330-0714	30.67
Model 1165							
INNER BOOM			I-SP-15	80	140	622-1688	\$ 59.78
OUTER BOOM			I-SP-15	80	140	622-1688	59.78
Model 1165/1							
INNER BOOM			I-U-13	80	140	330-1036	\$ 78.07
OUTER BOOM			I-U-13	80	140	330-1036	78.07
BOOM EXTENSION		Cyl. A	I-U-13	50	80	330-1044	28.53
		Cyl AW to 1977, 2-stage tel.	P-U-13	40, 90	70, 105	330-0668	98.80
Model 1165/2							
INNER BOOM	3445038		I-SP-15	80	140	622-1688	\$ 59.78
OUTER BOOM	3445852		I-SP-15	80	140	622-1688	59.78
BOOM EXTENSION	6215645		I-U-15	50	80	330-1044	28.53
	3407110		P-U-15	40,90	70,105	330-0668	98.80
	3430405		I-U-15	33	60	330-1001	18.44
Model 1770							
INNER BOOM			P-U-13	80	125	872-8330	\$ 49.38
OUTER BOOM			P-U-13	100	180	872-8348	76.22

Replacement Kits For **HIAB**

HIAB

Cranes

Application	Cylinder Group	Serial Number	Code (Pg. vi)	Rod	Bore	Seal Kit HIAB-	List Price
Model 1770 (continued)							
BOOM EXTENSION		Cyl. A	I-U-13	50	80	330-1044	\$ 28.53
		Cyl. AW, 2-stage telescopic	P-U-13	40, 90	70, 105	330-0668	98.80
OUTRIGGER		13 Ton Leg	P-U-15	90	110	330-0773	51.38
Model 2640							
INNER BOOM			P-U-13	100	140	872-8038	\$ 55.29
OUTER BOOM			P-U-13	100	140	872-8038	55.29
BOOM EXTENSION			I-U-13	63	100	330-0641	40.35

HIAB

<u>Kit Number</u>	<u>Code (Pg. vi)</u>	<u>Rod X Bore Size</u>	<u>List Price</u>
HIAB-542105.....	P-U-15	50 X 90 mm	\$ 36.40
HIAB-542113.....	P-U-15	50 X 90 mm	36.40
HIAB-542121.....	P-U-15	40 X 55 mm	32.66
HIAB-542130.....	P-U-15	30 X 50 mm	29.56
HIAB-542148.....	I-N-15	100 mm Piston Kit.....	59.50
HIAB-542156.....	P-U-15	50 X 70 mm	42.58
HIAB-121039.....	P-U-15	63 x 110 mm	42.66
HIAB-330-0218.....	I-U-1	140 X 160 mm	49.51
HIAB-330-0315.....	N-N-5	100 mm Piston Kit.....	57.26
HIAB-330-0498.....	N-N-5	105 MM Piston Kit.....	63.36
HIAB-330-0501.....	I-U-15	100 X 140 mm	52.98
HIAB-330-0528.....	N-N-5	105 mm Piston Kit.....	64.76
HIAB-330-0595.....	I-U-15	33 X 60 mm	25.38
HIAB-330-0625.....	P-O-1	78 mm Rod Kit	21.78
HIAB-330-0633.....	P-U-15	32 , 85 mm Stage OD's	72.53
HIAB-330-0641.....	I-U-15	63 X 100 mm	40.35
HIAB-330-0668.....	P-U-15	40 , 90 mm Stage OD's	98.80
HIAB-330-0692.....	I-U-15	80 X 125 mm	52.00
HIAB-330-0714.....	P-SP-15	45 X 70 mm	30.67
HIAB-330-0731.....	P-U-15	35, 80 mm Stage OD's	97.56
HIAB-330-0749.....	I-U-15	100 X 140 mm	54.18
HIAB-330-0773.....	P-U-15	90 X 110 mm	51.38
HIAB-330-0871.....	P-U-15	90 X 125 mm	95.24
HIAB-330-0889.....	P-U-15	70 X 100 mm	54.40
HIAB-330-0897.....	P-U-15	33 X 60 mm	20.09
HIAB-330-0951.....	P-U-15	100 X 180 mm	70.04
HIAB-330-1001.....	I-U-15	33 X 60 mm	18.44
HIAB-330-1028.....	P-U-15	70 X 90 mm	31.87
HIAB-330-1036.....	I-U-15	80 X 140 mm	78.07
HIAB-330-1044.....	I-U-15	50 X 80 mm	28.53
HIAB-330-1052.....	P-U-15	25 X 40 mm	46.81

<u>Kit Number</u>	<u>Code (Pg. vi)</u>	<u>Rod X Bore Size</u>	<u>List Price</u>
HIAB-330-1061.....	P-U-15	70 X 125 mm	\$ 46.50
HIAB-330-1231.....	P-U-15	90 X 160 mm	69.68
HIAB-330-1249.....	P-U-15	40 x 70 mm	31.50
HIAB-330-1290.....	P-U-15	100 X 140 mm	56.22
HIAB-330-1303.....	P-U-15	90 X 125 mm	68.44
HIAB-330-1311.....	P-U-15	45 X 63 mm	25.11
HIAB-330-1320.....	P-U-15	40 X 63 mm	28.13
HIAB-330-1443.....	P-U-15	100 X 160 mm	97.25
HIAB-330-1583.....	P-U-15	45 X 70 mm	36.72
HIAB-330-1613.....	P-U-15	40 X 63 mm	32.00
HIAB-607-2267.....	I-O-15	74 X 85 mm	26.18
HIAB-622-1599.....	I-U-15	63 X 125 mm	40.80
HIAB-622-1661.....	I-SP-15	63 X 140 mm	54.60
HIAB-622-1670.....	I-SP-15	70 X 140 mm	57.86
HIAB-622-1688.....	I-SP-15	80 X 140 mm	59.78
HIAB-622-2170.....	TELE.	32, 90 mm Stage OD's	112.80
HIAB-711-4659.....	P-U-15	50 x 110 mm	55.20
HIAB-711-4660.....	I-U-15	30 x 50 mm	20.94
HIAB-711-5366.....	I,P-U-15	80 X 140 mm	64.68
HIAB-711-5834.....	I-U-15	30 X 70 mm	28.14
HIAB-712-4173.....	P,I-U-15	100 x 180 mm	160.56
HIAB-712-4174.....	I-U-15	50 x 90 mm	65.82
HIAB-825-2050.....	P-U-15	45 X 80 mm	32.40
HIAB-872-8038.....	P-U-15	100 X 140 mm	55.29
HIAB-872-8046.....	P-U-15	100 X 140 mm	71.90
HIAB-872-8330.....	P-U-15	80 X 125 mm	49.38
HIAB-872-8348.....	P-U-15	100 X 180 mm	76.22
HIAB-872-8356.....	I-SP-15	50 X 80 mm	31.07
HIAB-995-0621.....	N-N-4	100 mm Piston Kit.....	28.50
HIAB-995-9122.....	N-N-5	105 mm Piston Kit.....	31.00

Replacement Kits For **HITACHI**

HITACHI

Excavators

Application	Cylinder Group	Serial Number	Code (Pg. vi)	Rod (mm)	Bore (mm)	Seal Kit HIT-	List Price
Model UH07-3							
BOOM			P-UB-5	85	125	4094457	\$ 120.29
ARM			P-UB-5	85	125	4094458	129.34
BUCKET			I-U-5	70	125	4071694	73.75
Model UH07-5							
BOOM			P-UB-5	85	125	4117741	\$ 128.10
ARM			P-UB-5	90	130	4104127	154.25
BUCKET			P-UB-5	75	125	4117743	134.46
Model UH07-7							
BOOM			P-UB-10	90	130	4153209	\$ 97.88
ARM			P-UB-10	100	140	4153211	143.39
BUCKET			P-UB-10	80	125	4153213	126.93
Model UH09							
BOOM			I-U-5	90	150	4064635	\$ 90.88
ARM			I-U-5	95	150	4064636	141.65
BUCKET			I-U-5	90	150	4064635	90.88
Model UH10							
BOOM			P-UB-5	95	150	4096957	\$ 281.86
ARM			P-UB-5	105	150	4096959	285.19
BUCKET			P-UB-5	95	150	4096960	257.60
Model UH12							
BOOM			P-U-5	110	180	4509364	\$ 260.40
ARM			P-U-5	110	180	4509364	260.40
BUCKET			P-U-5	120	180	4509365	263.55
Model UH16							
BOOM (R & L) Old Style	3026114 (R) 3026175 (L)	101-128, 131-143, 146-195, 239-300	P-UB-5	110	170	4162026	\$ 495.48
BOOM (R & L) New Style	4167616 (R) 4167617 (L)	129, 130, 144, 145 196-238, 301-UP	P-UB-10	110	170	4167721	177.74
ARM	3027628	001-165	P-UB-5	120	190	4162027	478.68
	3031888	166-UP	P-UB-10	120	190	4176980	191.92
	3022991	005-009, 053-069	P-UB-5	110	170	4153235	517.42
	4167618	001-004, 010-052, 070-UP	P-UB-10	110	170	4167722	174.36
BUCKET	3026115	001-145	P-UB-5	110	170	4162028	495.48
	3031889	146-UP	P-UB-10	110	170	4167721	177.74
	3027022	001-UP	P-UB-5	95	150	4150681	320.02
LEVEL	3025213	001-UP	P-UB-5	110	170	4153237	461.71
DUMP	3024187	001-UP	P-UB-5	55	100	4144635	163.92
Model UH35							
BOOM	4157139	002-UP	P-U-10	160	240	4163899	\$ 232.63
ARM	4157138	002-UP	P-U-10	150	225	4163898	201.78
LEVEL	4157142	002-UP	P-U-10	160	240	4163899	232.63
TILT (R & L)	4157140 (R)	002-UP	P-U-10	140	190	4163900	164.09
	4157141 (L)						

Replacement Kits For

HITACHI

Excavators

Application	Cylinder Group	Serial Number	Code (Pg. vi)	Rod (mm)	Bore (mm)	Seal Kit HIT-	List Price
Model UH35 (continued)							
DUMP	4157143	002-UP	P-U-10	80	140	4163901	\$ 92.98
Model UH045, UH061							
BOOM			I-U-5	70	120	4101442	\$ 72.51
ARM			I-U-5	80	130	4101443	95.67
BUCKET			I-U-5	70	120	4101442	72.51
Model UH083, UH083LC							
BOOM (R)	4128102	2001-20010	P-UB-5	85	125	4153203	\$ 186.78
	4153279	20011-20050	P-UB-10	90	130	4153209	97.88
	4153311	20051-UP	P-UB-5	85	125	4153203	186.78
BOOM (L)	4128103	2001-20010	P-UB-5	85	125	4153203	186.78
	4153280	20011-20050	P-UB-10	90	130	4153209	97.88
	4153312	20051-UP	P-UB-5	85	125	4153203	186.78
ARM	4132364	2001-20010, 20051-UP	P-UB-5	100	140	4153205	261.04
	4153281	20011-20050	P-UB-10	100	140	4153211	143.39
BUCKET	4128105	2001-20010 20051-UP	P-UB-5	80	125	4153207	211.17
	4153282	20011-20050	P-UB-10	80	125	4153213	126.93
Model UH107							
BOOM			P-UB-5	95	150	4096957	\$ 281.86
ARM			P-UB-5	105	150	4096959	285.19
BUCKET			P-UB-5	95	150	4096960	257.60
Model UH122, UH122LC							
BOOM (R & L)	3010527 (R) 3010528 (L)	125-605	P-UB-5	95	150	4096957	\$ 281.86
	3020011 (R) 3020012 (L)	606-835	P-UB-5	95	150	4117745	281.86
	3020972 (R) 3020973 (L)	836-UP	P-UB-5	95	150	4122039	291.49
	3011918	125	P-UB-5	105	150	4096958	263.60
ARM	3015873	351-605	P-UB-5	105	150	4096959	285.19
	3020009	606-834	P-UB-5	105	150	4117746	285.19
	3019398	835-UP	P-UB-5	105	150	4122040	290.21
BUCKET	3010530	125-UP	P-UB-5	95	150	4096960	257.60
Model UH123							
BOOM (R & L)	4173626 (R) 4170627 (L)	3001-UP	P-UB-10	95	150	4179470	\$ 145.49
ARM	4170628	3001-UP	P-UB-10	105	150	4163569	117.66
BUCKET	4170629	3001-UP	P-UB-10	95	150	4163573	145.25
Model UH172							
BOOM	3013801 (R) 3014038 (L)	603-605, 607, 614-618, 624-641, 643-UP	P-UB-5	110	170	4094852	\$ 473.49
ARM	3015144	601-UP	P-UB-5	120	190	4101392	453.95
BUCKET	3014042	001-UP	P-UB-5	110	170	4094852	473.49

Replacement Kits For **HITACHI**

HITACHI

Excavators

Application	Cylinder Group	Serial Number	Code (Pg. vi)	Rod (mm)	Bore (mm)	Seal Kit HIT-	List Price
Model UH181							
BOOM (R & L) Old Style	3026114 (R) 3026175 (L)	101-128, 131-143, 146-195, 239-300	P-UB-5	110	170	4162026	\$ 495.48
BOOM (R & L) New Style	4167616 (R) 4167617 (L)	129, 130, 144, 145 196-238, 301-UP	P-UB-10	110	170	4167721	177.74
ARM	3027628	001-165	P-UB-5	120	190	4162027	478.68
	3031888	166-UP	P-UB-10	120	190	4176980	191.92
	3022991	005-009, 053-069	P-UB-5	110	170	4153235	517.42
	4167618	001-004, 010-052, 070-UP	P-UB-10	110	170	4167722	174.36
BUCKET	3026115	001-145	P-UB-5	110	170	4162028	495.48
	3031889	146-UP	P-UB-10	110	170	4167721	177.74
	3027022	001-UP	P-UB-5	95	150	4150681	320.02
LEVEL	3025213	001-UP	P-UB-5	110	170	4153237	461.71
TILT	3022992	005-009, 053-069	P-UB-5	110	150	4153236	326.55
	4167620	001-004, 010-052, 070-UP	P-UB-10	110	140	4167724	172.25
DUMP	3024187	001-UP	P-UB-5	55	100	4144635	163.92
Model UH501							
BOOM	4157139	002-UP	P-U-10	160	240	4163899	\$ 232.63
ARM	4157138	002-UP	P-U-10	150	225	4163898	201.78
LEVEL	4157142	002-UP	P-U-10	160	240	4163899	232.63
TILT (R & L)	4157140 (R) 4157141 (L)	002-UP	P-U-10	140	190	4163900	164.09
DUMP	4157143	002-UP	P-U-10	80	140	4163901	92.98
Model EX100							
BOOM			P-UB-10	70	95	4206340	\$ 81.77
ARM			P-UB-10	75	105	4206343	75.52
BUCKET			P-UB-10	65	95	4206345	79.61
Model EX120							
BOOM			P-UB-10	75	105	4206343	\$ 75.52
ARM			P-UB-10	80	115	4206344	85.81
BUCKET			P-UB-10	65	95	4206345	79.61
Model EX120 II							
BOOM			P-UB-10	70	105	4286459	\$ 72.03
ARM			P-UB-10	80	110	4286463	86.86
BUCKET			P-UB-10	65	95	4286739	79.63
Model EX150							
ARM	4193532	01001 -	P-UB-10	85	120	4216264P	133.17
BOOM L	4193533	01001 -	P-UB-10	80	115	4369893P	107.63
BOOM R	4193531	01001 -	P-UB-10	80	115	4369893P	107.63
BUCKET	4193534	01001 -	P-UB-10	80	115	4369893P	107.63
Model EX200, EX200LC							
BOOM (R & L)	4223825 (R) 4180276 (R) 4223826 (L)	30001-UP	P-UB-10	85	125	4206018	\$ 104.71

Replacement Kits For

HITACHI

Excavators

Application	Cylinder Group	Serial Number	Code (Pg. vi)	Rod (mm)	Bore (mm)	Seal Kit HIT-	List Price
Model EX200, EX200LC (continued)							
BOOM (R & L)	4180277 (L)	30001-UP	P-UB-10	85	125	4206018	\$ 104.71
ARM	4180278	30001-UP	P-UB-10	95	135	4206019	154.64
BUCKET	4180279	30001-UP	P-UB-10	80	120	4206020	116.45
CLAMSHELL	2024987	30001-UP	P-UB-10	85	135	4214722	108.74
Model EX200 II							
BOOM			P-UB-10	85	120	4286774	\$ 115.00
ARM			P-UB-10	95	130	4286780	119.00
BUCKET			P-UB-10	75	110	4286784	82.49
Model EX220							
BOOM			P-UB-10	90	135	4203830	\$ 120.41
ARM			P-UB-10	100	145	4203831	130.62
BUCKET			P-UB-10	90	135	4203830	120.41
Model EX220 II							
BOOM			P-UB-10	90	125	9103842	\$ 106.78
BUCKET			P-UB-10	85	125	9103844	107.79
Model EX270, EX270LC							
BOOM	ALL	50001-UP	P-UB-10	95	145	9078843	\$ 128.48
ARM	9076106	50001-UP	P-UB-14	105	150	9078844	192.27
BUCKET	ALL	50001-UP	P-UB-10	95	145	9078843	128.48
Model EX300, EX300LC							
BOOM			P-UB-10	100	145	9078845	\$ 130.62
ARM			P-UB-10	110	165	9078846	188.71
BUCKET			P-UB-10	95	145	9078843	128.48
Model EX400, EX400LC, EX400H, EX400LCH							
ARM	4206480	02001-UP	P-UB-10	130	190	4236058	\$ 198.98
BUCKET	4206481	02001-UP	P-UB-10	115	170	4236057	183.82
BOOM	4206478 (R) 4206479 (L)	02001-UP	P-UB-10	115	170	4236057	183.82
Model EX400-3C, EX400LC-3C, EX450H-3C, EX450LCH-3C							
ARM	4310243	06001-	P-UB-10	130	190	4438679	\$ 178.19
BOOM L	4310242	06001-	P-UB-10	115	170	4438672	211.69
BOOM R	4310241	06001-	P-UB-10	115	170	4438672	211.69
BUCKET	4310244	06001-	P-UB-10	115	170	4438672	211.69
BUCKET (LONG ARM)	9138785	06001-	P-U-10	65	130	4363078	76.08
CYL	4344048	06001-	P-U-10	65	130	4363078	76.08
Model EX700, EX700H							
BOOM (R & L)	4218516 (R) 4218517 (L)	01003-UP	P-UB-10	140	200	4254041	\$ 208.48
ARM	4218518	01003-UP	P-UB-10	150	215	4254042	239.17
	4253060	6/89-UP	P-UB-10	150	215	4266596	239.17
BUCKET	4251780	01003-UP	P-UB-10	130	190	4256119	196.94
	4253061	6/89-UP	P-UB-10	150	215	4266596	239.17

Replacement Kits For **HITACHI**

HITACHI

Excavators							
Application	Cylinder Group	Serial Number	Code (Pg. vi)	Rod (mm)	Bore (mm)	Seal Kit HIT-	List Price
Model EX1000							
BOOM	4157139	101-UP	P-U-10	160	240	4163899	\$ 232.63
			P-UB-10	160	240	4171990*	430.44
ARM (Loader)	4157138	101-UP	P-U-10	150	225	4163898	201.78
			P-UB-10	150	225	4171991*	371.70
LEVEL (Loader)	4157142	101-UP	P-U-10	160	240	4163899	232.63
			P-UB-10	160	240	4171990*	430.44
TILT (Loader)	4157140 (R)	101-UP	P-U-10	140	190	4163900	164.09
	4157141 (L)		P-UB-10	140	190	4171992*	254.86
DUMP (Loader)	4157143	101-UP	P-U-10	80	140	4163901	92.98
			P-UB-10	80	140	4171993*	182.93
BUCKET (Backhoe)	4174020	101-UP	P-UB-10	160	240	4171990*	430.44
	4193517							* Includes Piston Bearings
Model EX1800							
DUMP	4248484		P-UB-10	110 mm	190 mm	4221872	\$ 294.18
Model EX3500							
DUMP			P-UB-10	130 mm	225 mm	4210676	\$ 424.90

HITACHI

NOTE

Original equipment Hitachi kits do not include the wear rings required to rebuild a cylinder. The Hitachi kits listed in this catalog reflect this design. However, we do offer the necessary wear rings required to rebuild Hitachi cylinders. The cross reference chart below lists the wear rings needed to accompany the packing kits. If you have any questions, please contact one of our sales representatives.

Wear Rings

Kit Number HIT-	Wear Ring Part Number	Quantity	List Price	Kit Number HIT-	Wear Ring Part Number	Quantity	List Price
4153209	HIT-223707	2	\$ 8.19	4206345	Call for Information	2	\$ 5.75
	HIT-223713	2	21.61			2	13.24
4153211	HIT-224107	2	8.93	4214722	HIT-309211	2	8.42
	HIT-224108	2	21.61		HIT-309212	2	21.61
4153213	HIT-309009	2	7.61	4236057	HIT-352712	2	10.83
	Call for Information	2	17.18		HIT-259307	2	30.00
4163569	HIT-237219	2	9.75	4236058	HIT-242511	2	15.58
	HIT-237220	2	19.94		HIT-242512	2	22.50
4163899	Call for Information	-	-	4286459	Call for Information	-	-
4167721	HIT-259306	2	10.83	4286463	Call for Information	-	-
	HIT-259307	2	30.00				
4176980	HIT-242511	2	15.58	4286739	Call for Information	2	5.75
	HIT-242512	2	22.50			2	13.24
4179470	HIT-237219	2	9.75	4286774	HIT-309309	2	7.35
	HIT-237220	2	19.94		HIT-261308	2	16.50
4203830	Call for Information	2	9.65	4286780	HIT-223707	2	8.19
		2	20.88		HIT-223713	2	21.61
4203031	HIT-4194621	2	10.50	4286784	Call for Information	-	-
	HIT-4185247	2	22.50				
4206018	HIT-309009	2	7.61	9078843	HIT-4194621	2	10.50
	Call for Information	2	17.18		HIT-4185247	2	22.50
4206019	HIT-309211	2	8.42	9078844	HIT-4194622	2	11.29
	HIT-309212	2	21.61		HIT-4171490	2	23.94
4206020	HIT-309309	2	7.35	9078845	HIT-4185249	2	10.50
	HIT-261308	2	10.50		HIT-4185247	2	22.50
4206340	Call for Information	2	5.75	9103842	Call for Information	-	-
		2	13.24				
4206343	Call for Information	-	-	9103844	HIT-309009	2	7.61
					Call for information	-	-
4206344	Call for Information	2	6.50				
		2	14.20				

HITACHI EXCAVATORS

HITACHI

Kit Number	Code (Pg. vi)	Rod X Bore Size	List Price
HIT-4064635	I-U-5	90 X 150	\$ 90.88
HIT-4064636	I-U-5	95 X 150	141.65
HIT-4071694	I-U-5	70 X 125	73.75
HIT-4094457	P-UB-5	85 X 125	120.29
HIT-4094458	P-UB-5	85 X 125	129.34
HIT-4094852	P-UB-5	110 X 170	473.49
HIT-4096957	P-UB-5	95 X 150	281.86
HIT-4096958	P-UB-5	105 X 150	263.60
HIT-4096959	P-UB-5	105 X 150	285.19
HIT-4096960	P-UB-5	95 X 150	257.60
HIT-4101392	P-UB-5	120 X 190	453.95
HIT-4101442	I-U-5	70 X 120	72.51
HIT-4101443	I-U-5	80 X 130	95.67
HIT-4104127	P-UB-5	90 X 130	154.25
HIT-4117741	P-UB-5	85 X 125	128.10
HIT-4117743	P-UB-5	75 X 125	134.46
HIT-4117745	P-UB-5	95 X 150	281.86
HIT-4117746	P-UB-5	105 X 150	285.19
HIT-4122039	P-UB-5	95 X 150	291.49
HIT-4122040	P-UB-5	105 X 150	290.21
HIT-4124367	P-UB-5	140 X 200	604.08
HIT-4125182	P-UB-5	95 X 150	291.49
HIT-4125183	P-UB-5	105 X 150	290.21
HIT-4144635	P-UB-5	55 X 100	163.92
HIT-4150681	P-UB-5	95 X 150	320.02
HIT-4153203	P-UB-5	85 X 125	186.78
HIT-4153205	P-UB-5	100 X 140	261.04
HIT-4153207	P-UB-5	80 X 125	211.17
HIT-4153209	P-UB-10	90 X 130	97.88
HIT-4153211	P-UB-10	100 X 140	143.39
HIT-4153213	P-UB-10	80 X 125	126.93
HIT-4153235	P-UB-5	110 X 170	517.42
HIT-4153236	P-UB-5	110 X 150	326.55
HIT-4153237	P-UB-5	110 X 170	461.71
HIT-4162026	P-UB-5	110 X 170	495.48
HIT-4162027	P-UB-5	120 X 190	478.68
HIT-4162028	P-UB-5	110 X 170	495.48
HIT-4163569	P-UB-10	105 X 150	117.66
HIT-4163573	P-UB-10	95 X 150	145.25
HIT-4163898	P-U-10	150 X 225	201.78
HIT-4163899	P-U-10	160 X 240	232.63
HIT-4163900	P-U-10	140 X 190	164.09
HIT-4163901	P-U-10	80 X 140	92.98
HIT-4167721	P-UB-10	110 X 170	177.74
HIT-4167722	P-UB-10	110 X 170	174.36

Kit Number	Code (Pg. vi)	Rod X Bore Size	List Price
HIT-4167724	P-UB-10	110 X 140	\$ 172.25
HIT-4171990	P-UB-10	160 X 240	430.44
HIT-4171991	P-UB-10	150 X 225	371.70
HIT-4171992	P-UB-10	140 X 190	254.86
HIT-4171993	P-UB-10	80 X 140	182.93
HIT-4176980	P-UB-10	120 X 190	191.92
HIT-4179470	P-UB-10	95 X 150	145.49
HIT-4203830	P-UB-14	90 X 135	120.41
HIT-4203831	P-UB-10	100 X 145	130.62
HIT-4206018	P-UB-10	85 X 125	104.71
HIT-4206019	P-UB-10	95 X 135	154.64
HIT-4206020	P-UB-10	80 X 120	116.45
HIT-4206340	P-UB-10	70 X 95	81.77
HIT-4206343	P-UB-10	75 X 105	75.52
HIT-4206344	P-UB-10	80 X 115	85.81
HIT-4206345	P-UB-10	65 X 95	79.61
HIT-4210676	P-UB-10	130 X 225	424.90
HIT-4214722	P-UB-10	85 X 135	108.74
HIT-4216264P	P-UB-10	85 X 120	133.17
HIT-4221872	P-UB-10	110 X 190	294.18
HIT-4223636	P-UB-10	35 X 65	71.40
HIT-4236057	P-UB-10	115 X 170	183.82
HIT-4236058	P-UB-10	130 X 190	198.98
HIT-4254041	P-UB-10	140 X 200	208.48
HIT-4254042	P-UB-10	150 X 215	239.17
HIT-4256119	P-UB-10	130 X 190	196.94
HIT-4266596	P-UB-10	150 X 215	239.17
HIT-4286459	P-UB-10	70 X 105	72.03
HIT-4286463	P-UB-10	80 X 110	86.86
HIT-4286739	P-UB-10	65 X 95	79.63
HIT-4286774	P-UB-10	85 X 120	115.00
HIT-4286780	P-UB-10	95 X 130	119.00
HIT-4286784	P-UB-10	75 X 110	82.49
HIT-4363078	P-U-10	65 X 130	76.08
HIT-4369893P	P-UB-10	80 X 115	107.63
HIT-4438672	P-UB-10	115 X 170	211.69
HIT-4438679	P-UB-10	130 X 190	178.19
HIT-4509364	P-U-5	110 X 180	260.40
HIT-4509365	P-U-5	120 X 180	263.55
HIT-9078843	P-UB-10	95 X 145	128.48
HIT-9078844	P-UB-14	105 X 150	192.27
HIT-9078845	P-UB-10	100 X 145	130.62
HIT-9078846	P-UB-10	110 X 165	188.71
HIT-9103842	P-UB-10	90 X 125	106.87
HIT-9103843	P-UB-14	100 X 135	166.00
HIT-9103844	P-UB-10	85 X 125	107.79

REPLACEMENT PARTS FOR HITACHI EQUIPMENT

NOTE: Hitachi part numbers are used as a reference only. We do not imply that these parts are original replacement parts.

WIPERS

Part Number	Rod Diameter	List Price
HIT-4094867	.55 mm	\$ 17.81
HIT-225610	.65 mm	20.46
HIT-271308	.70 mm	21.95
HIT-4036973	.70 mm	7.92
HIT-240910	.72 mm	23.61
HIT-4103699	.75 mm	23.61
HIT-208607	.80 mm	27.83
HIT-128607	.85 mm	31.59
HIT-208307	.85 mm	31.59
HIT-4039669	.90 mm	8.41
HIT-4124849	.90 mm	34.16
HIT-127208	.95 mm	34.93
HIT-146409	.95 mm	34.93
HIT-236920	.95 mm	34.93
HIT-309206	.95 mm	34.93
HIT-4039686	.95 mm	11.52
HIT-4171482	.95 mm	34.93
HIT-208507	100 mm	35.86
HIT-4074008	100 mm	22.50
HIT-4131730	100 mm	35.86
HIT-808507	100 mm	35.86
HIT-127409	105 mm	34.65
HIT-237216	105 mm	34.65
HIT-4171483	105 mm	34.65
HIT-237310	110 mm	36.73
HIT-4505063	110 mm	36.73
HIT-352709	115 mm	32.50
HIT-4505954	120 mm	40.20
HIT-257006	130 mm	44.00
HIT-242506	140 mm	45.08
HIT-242707	150 mm	47.25
HIT-242306	160 mm	58.28

ROD U-SEALS

Part Number	Rod Diameter	List Price
HIT-4070039	.55 mm	\$ 10.52
HIT-225611	.65 mm	11.24
HIT-271309	.70 mm	12.76
HIT-4508829	.70 mm	15.34
HIT-127710	.75 mm	15.46
HIT-240911	.75 mm	14.07
HIT-208605	.80 mm	15.65
HIT-128606	.85 mm	17.60
HIT-208305	.85 mm	17.01
HIT-4039668	.90 mm	18.81
HIT-4094890	.90 mm	18.87

ROD U-SEALS

Part Number	Rod Diameter	List Price
HIT-4168226	.90 mm	\$ 25.07
HIT-127207	.95 mm	19.11
HIT-146407	.95 mm	19.11
HIT-4034640	.95 mm	19.11
HIT-4171484	.95 mm	18.95
HIT-4070021	100 mm	20.73
HIT-4168227	100 mm	13.78
HIT-127408	105 mm	25.73
HIT-4069701	110 mm	27.64
HIT-4505060	110 mm	27.64
HIT-352706	115 mm	28.00
HIT-4069711	120 mm	32.10
HIT-4505951	120 mm	32.10
HIT-191405	130 mm	30.45
HIT-4094949	140 mm	34.50
HIT-4070027	150 mm	40.55
HIT-4105385	160 mm	48.32

BUFFER RINGS

Part Number	Rod Diameter	List Price
HIT-201003	.55 mm	\$ 17.86
HIT-187305	.60 mm	34.83
HIT-225613	.65 mm	17.22
HIT-409104	.65 mm	17.22
HIT-271311	.70 mm	20.00
HIT-408804	.70 mm	17.78
HIT-158102	.75 mm	21.33
HIT-240913	.75 mm	21.33
HIT-409605	.75 mm	21.33
HIT-174506	.80 mm	23.00
HIT-309305	.80 mm	23.00
HIT-409004	.80 mm	23.00
HIT-128603	.85 mm	16.89
HIT-157801	.85 mm	26.39
HIT-309005	.85 mm	26.39
HIT-4108704	.90 mm	26.97
HIT-4253560	.90 mm	26.97
HIT-127205	.95 mm	27.55
HIT-127221	.95 mm	27.55
HIT-151902	.95 mm	27.55
HIT-309205	.95 mm	27.55
HIT-4171486	.95 mm	27.55
HIT-208505	100 mm	28.60
HIT-4131728	100 mm	28.60
HIT-127407	105 mm	29.78

REPLACEMENT PARTS FOR HITACHI EQUIPMENT

NOTE: Hitachi part numbers are used as a reference only. We do not imply that these parts are original replacement parts.

BUFFER RINGS

Part Number	Rod Diameter	List Price
HIT-127419	105 mm	\$ 29.78
HIT-151703	105 mm	29.78
HIT-4171487	105 mm	29.78
HIT-165702	110 mm	30.61
HIT-336805	110 mm	30.61
HIT-4094814	110 mm	30.61
HIT-165903	120 mm	31.15
HIT-4094836	120 mm	31.15
HIT-353005	130 mm	31.75
HIT-380004	130 mm	31.75
HIT-187705	140 mm	32.06
HIT-379807	140 mm	32.06
HIT-242705	150 mm	33.84
HIT-292303	150 mm	33.84
HIT-379906	150 mm	33.84
HIT-336605	170 mm	42.80

PISTON SEALS

Part Number	Bore Diameter	List Price
HIT-310608	95 mm	\$ 23.00
HIT-201006	100 mm	27.80
HIT-310508	105 mm	21.38
HIT-240915	110 mm	28.32
HIT-258205	120 mm	29.00
HIT-128611	125 mm	35.00
HIT-223706	125 mm	29.00
HIT-4092193	125 mm	35.00
HIT-4124860	125 mm	43.09
HIT-4085439	130 mm	35.00
HIT-309210	135 mm	33.88
HIT-133505	140 mm	40.36
HIT-224106	140 mm	34.25
HIT-4185245	145 mm	53.11
HIT-127210	150 mm	45.00
HIT-127412	150 mm	45.00
HIT-187405	150 mm	45.00
HIT-237218	150 mm	36.84
HIT-4128769	150 mm	45.00
HIT-4171492	150 mm	57.36
HIT-165703	170 mm	88.00
HIT-4094809	170 mm	88.00
HIT-4170547	170 mm	45.70
HIT-105707	190 mm	89.64
HIT-161603	190 mm	89.64
HIT-242510	190 mm	52.00
HIT-380006	190 mm	52.00

PISTON SEALS

Part Number	Bore Diameter	List Price
HIT-379811	200 mm	\$ 53.56
HIT-379911	215 mm	54.50
HIT-392305	215 mm	54.50
HIT-242712	225 mm	59.83
HIT-242310	240 mm	61.00

WEAR RINGS

Part Number	OD x Width	List Price
HIT-410005	110 X 7.9 mm	\$ 6.83
HIT-309309	120 X 7.9 mm	7.35
HIT-261308	120 X 8 mm	16.50
HIT-309009	125 X 7.9 mm	7.61
HIT-223707	130 X 7.9 mm	8.19
HIT-223713	130 X 8 mm	17.50
HIT-4185248	135 X 14.8 mm	10.13
HIT-309211	135 X 7.9 mm	8.61
HIT-309212	135 X 8 mm	17.82
HIT-224107	140 X 7.9 mm	8.93
HIT-224108	140 X 8 mm	18.06
HIT-4185249	145 X 14.8 mm	10.50
HIT-4194621	145 X 14.8 mm	10.25
HIT-4185247	145 X 9.7 mm	22.84
HIT-4194622	150 X 14.8 mm	11.29
HIT-237220	150 X 8 mm	19.94
HIT-237219	150 X 9.5 mm	9.75
HIT-4171490	150 X 9.7 mm	23.94
HIT-259306	170 X 9.5 mm	10.83
HIT-352712	170 X 9.5 mm	10.83
HIT-259307	170 X 9.7 mm	30.00
HIT-242511	190 X 15 mm	15.58
HIT-336808	190 X 15 mm	15.58
HIT-242512	190 X 9.7 mm	31.20

ROD BUSHINGS

Part Number	Rod Diameter	List Price
HIT-336804	110 mm	\$ 61.20
HIT-317404	130 mm	85.30
HIT-4171488	95 mm	43.82

REPLACEMENT PARTS FOR HITACHI EQUIPMENT

NOTE: Hitachi part numbers are used as a reference only. We do not imply that these parts are original replacement parts.

O-RINGS

Part Number	Min Pkg Qty	List Price
HIT-127216	2	\$ 2.90
HIT-127218	3	1.74
HIT-127414	5	.94
HIT-127417	2	3.60
HIT-128605	3	1.76
HIT-128609	3	1.68
HIT-128610	6	.85
HIT-128612	3	1.98
HIT-136004	3	1.80
HIT-146423	10	.48
HIT-148310	1	7.02
HIT-150609	1	6.40
HIT-166010	3	1.98
HIT-186206	2	3.28
HIT-208509	2	2.24
HIT-808509	1	2.24
HIT-939306	10	.42
HIT-954488	3	1.56
HIT-955612	10	.48
HIT-984614	10	.42
HIT-985098	10	.42
HIT-1486206	2	3.28
HIT-4007528	1	7.66
HIT-4007535	1	3.82
HIT-4031027	2	2.42
HIT-4033451	2	2.60
HIT-4033751	2	2.60
HIT-4034653	2	2.60
HIT-4034654	2	2.90
HIT-4034655	1	4.10
HIT-4034656	2	3.60
HIT-4034657	5	1.16
HIT-4034658	10	.48
HIT-4035039	2	2.42
HIT-4037888	10	.48
HIT-4038304	2	2.30
HIT-4039611	1	4.90
HIT-4039657	2	2.90
HIT-4039659	1	3.82
HIT-4039678	2	2.23
HIT-4039679	2	2.90
HIT-4040565	3	1.84
HIT-4046608	2	2.24
HIT-4049492	3	1.76
HIT-4049494	2	2.30
HIT-4049565	3	1.84
HIT-4049568	2	2.06
HIT-4068626	2	2.42

O-RINGS

Part Number	Min Pkg Qty	List Price
HIT-4068628	4	\$.95
HIT-4068632	2	2.24
HIT-4068682	2	2.24
HIT-4070046	3	1.60
HIT-4070049	10	.42
HIT-4087852	2	2.58
HIT-4094815	1	4.80
HIT-4094908	15	.32
HIT-4095999	3	1.76
HIT-4101722	3	1.74
HIT-4103701	3	1.46
HIT-4104498	15	.34
HIT-4105424	18	.26
HIT-4113165	1	6.60
HIT-4123447	3	1.80
HIT-4138931	18	.26
HIT-4140487	1	4.90
HIT-4140491	1	8.04
HIT-4253563	2	2.24
HIT-4505080	1	5.20
HIT-4505082	1	4.64
HIT-A810025	15	.34
HIT-A810085	4	1.10
HIT-A810125	3	1.76
HIT-A810130	3	1.80
HIT-A810155	2	3.12
HIT-A810165	2	3.60
HIT-A810170	2	3.60

O-RINGS 90 DUROMETER

Part Number	Min Pkg Qty	List Price
HIT-A811100	3	\$ 1.60
HIT-317406	1	7.50
HIT-317717	1	4.20
HIT-4007534	1	3.60
HIT-4104135	3	1.60
HIT-4123441	1	9.48
HIT-4203611	3	1.94
HIT-4506405	30	.16
HIT-4506408	25	.18
HIT-4506424	1	.30
HIT-4506428	12	.38
HIT-4506430	12	.40
HIT-A811025	1	.38
HIT-A811030	12	.38
HIT-A811035	10	.42
HIT-A811040	10	.96

REPLACEMENT PARTS FOR HITACHI EQUIPMENT

NOTE: Hitachi part numbers are used as a reference only. We do not imply that these parts are original replacement parts.

O-RINGS 90 DUROMETER

Part Number	Min Pkg Qty	List Price
HIT-A811045	10	\$.52
HIT-A811050	8	.56
HIT-A811070	5	1.00
HIT-A811075	4	1.06
HIT-A811080	4	1.10
HIT-A811085	3	1.30
HIT-A811090	3	1.44
HIT-A811105	3	1.68
HIT-A811110	3	1.76
HIT-A811115	3	1.82
HIT-A811120	3	1.90
HIT-A811125	3	1.94
HIT-A811130	2	1.98
HIT-A811135	2	2.06
HIT-A811140	2	2.20
HIT-A811145	2	2.32
HIT-A811150	1	3.60
HIT-A811160	2	3.96
HIT-A811180	1	4.64
HIT-A811190	1	4.80
HIT-A812180	1	4.64

BACK-UP RINGS

Part Number	Min Pkg Qty	List Price
HIT-133704	1	\$ 9.11
HIT-133707	1	7.54
HIT-136006	1	8.52
HIT-146416	1	7.36
HIT-150610	1	17.25
HIT-1660019	1	7.24
HIT-166009	1	7.24
HIT-167721	1	6.63
HIT-208306	1	7.31
HIT-208308	1	6.71
HIT-208508	1	7.07
HIT-208522	1	8.52
HIT-208606	1	7.31
HIT-219405	1	5.57
HIT-223704	1	4.72
HIT-225612	1	6.07
HIT-236919	1	7.31
HIT-237215	1	8.52
HIT-237217	1	7.36
HIT-237309	1	8.52
HIT-239506	1	17.25
HIT-240912	1	6.07
HIT-242307	1	24.80
HIT-242507	1	7.16

BACK-UP RINGS

Part Number	Min Pkg Qty	List Price
HIT-242708	1	\$ 18.90
HIT-257007	1	7.37
HIT-257510	1	32.46
HIT-261310	1	4.72
HIT-262403	1	9.11
HIT-271310	1	6.07
HIT-298904	1	4.61
HIT-309207	1	7.01
HIT-310506	1	4.51
HIT-310606	1	4.40
HIT-317710	1	48.71
HIT-317718	1	6.68
HIT-336610	1	6.75
HIT-379908	1	18.60
HIT-4007510	1	12.80
HIT-403347	1	13.00
HIT-4033747	1	7.31
HIT-4034645	1	7.36
HIT-4034646	1	6.31
HIT-4034647	1	16.26
HIT-4035029	1	6.77
HIT-4035030	1	6.77
HIT-4039658	1	6.31
HIT-4039660	1	12.80
HIT-4061803	1	16.80
HIT-4061827	1	6.31
HIT-4067085	1	14.60
HIT-4067140	1	7.01
HIT-4068627	1	6.71
HIT-4070047	1	6.10
HIT-4087862	1	7.24
HIT-4094811	1	14.60
HIT-4094816	1	8.52
HIT-4094817	1	12.80
HIT-4103695	1	4.72
HIT-4103705	1	7.31
HIT-4104134	1	6.71
HIT-4113178	1	7.36
HIT-4113180	1	14.60
HIT-4170546	1	6.63
HIT-4170548	1	5.04
HIT-4505081	1	14.48
HIT-4505083	1	13.50
HIT-4505752	1	7.31
HIT-4509747	1	6.07
HIT-4510854	1	7.07
HIT-4510878	1	6.22
HIT-487862	1	7.24

HMF CRANE

<u>Kit Number</u>	<u>Code (Pg. vi)</u>	<u>Rod X Bore Size</u>	<u>List Price</u>
HMF-6890690	P-U-13	30 X 50mm	\$ 51.45
HMF-6890700	P-U-13	70 X 150mm	120.06
HMF-6892290	P-U-13	20 X 32mm	37.30
HMF-C60-80-01	2 Stage DA Cyl. - 40,70mm Stages		121.80

HUSKY BRUTE

<u>Kit Number</u>	<u>Kit Reference Number</u>	<u>Code (Pg. vi)</u>	<u>Rod X Bore Size</u>	<u>List Price</u>
HB-790-030-004		P-V-8	2 X 4	\$ 37.98
HB-790-030-015		I-U-10, 12	2 X 5	35.37
HB-790-030-016		I-U-10, 12	2 X 5	49.66
HB-790-030-017		I-U-10, 12	2-1/2 X 6	47.31
HB-790-030-018		I-U-10, 12	2-1/2 X 6	67.78
HB-790-030-019		I-U-10, 12	3 X 6	68.95
HB-790-030-020		I-U-10, 12	2 X 5	60.84
HB-790-030-022		I-U-10, 12	3-1/2 X 7	81.07
HB-790-030-023		I-O-4	2-1/2 X 6	33.72
HB-790-030-024		5" Piston Kit		24.15
HB-790-035-501		P-OB-12	1-3/8 X 3-1/2	20.24
HB-790-035-502		5" Piston Kit		30.86
HB-790-035-504		P-OB-12	1-3/4 X 5	32.43
HB-790-035-507		I-U-5	3 X 6	54.89
HB-790-035-508		P-OB-12	2-1/2 X 6	58.60
HB-790-035-510		I-U-5	2-1/2 X 5	41.24
HB-790-035-519		I-V-9	2 X 4	50.86
HB-790-035-530		I-U-4	4 X 6-1/4	62.53
HB-790-035-531		I-U-5	4 X 7	82.25
HB-790-035-536		P-U-11	3-1/2 X 6	56.88
HB-790-120-019		I-U-5	4 X 7	68.95
HB-790-121-092		I-U-10, 12	2 X 5	49.66
HB-790-121-093		I-U-4	3-1/2 X 6	76.42
HB-790-121-097	790-121-097	I-U-4	4 X 7	59.46
HB-790-121-111		I-U-5	3 X 6	47.31
HB-790-122-302		6" Piston Kit		26.83
HB-790-200-011	790-200-011	I-U-5	2 X 3-1/2	30.63
HB-790-200-023		I-U-4	2-1/2 X 5	68.71
HBPMCK-D1192	790-035-50	P-OB-2,12	1-3/8 X 3-1/2	128.24
HBPMCK-F715	CYL. # F715	I-N-10,12	2 X 5	23.37
HBPMCK-F716	CYL. #716	I-U-10,12	2 X 5	49.66
HBPMCK-F717	790-030-018	I-N-10,12	2-1/2 X 6	47.20
HBPMCK-F718	CYL. #F718	I-U-10,12	2-1/2 X 6	67.01
HBPMCK-F721	790-030-019	I-U-10,12	3 X 6	68.95
HBPMCK-F726	CYL. #F726	I-U-10,12	2 X 5	61.17
HBPMCK-G968	790-030-022	I-U-10,12	3-1/2 X 7	83.43
HBPMCK-H163	CYL. #H163	I-N-4	2-1/2 X 6	40.23
HBPMCK-H182	790-030-024	I-N-4	2 X 5	32.59

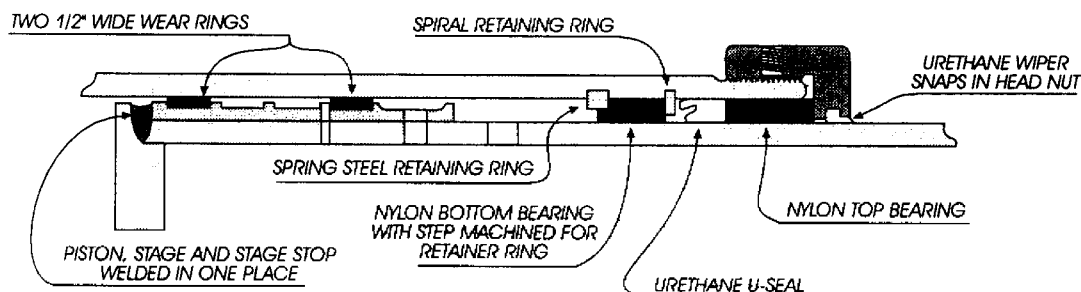
HYCO TELESCOPIC CYLINDERS

IMPORTANT NOTE

WHEN ORDERING HYCO TELESCOPIC PARTS IT IS HELPFUL TO PROVIDE A MODEL NUMBER AND SERIAL NUMBER. THE SERIAL NUMBER IS STAMPED INTO THE BASE OF THE CYLINDER BODY OR IS JUST ABOVE THE CYLINDER PORT. THE SERIAL NUMBER IS THE FIRST FOUR OR FIVE DIGITS OF THE NUMBER. THE LAST THREE OR FOUR DIGITS INDICATES THE DATE OF MANUFACTURE.

EXAMPLE 12345 10 93
SERIAL # MONTH YEAR

70,000 SERIES SINGLE ACTING



70,000 SERIES SINGLE ACTING

- PACKING: Normally uses urethane u-seals, but may be retrofitted with vee packing. All sizes 1/4" c.s.
- WIPERS: Urethane snap-in type.
- BEARINGS: Nylon bearings. Outer bearing is flat on the top and bottom. Inner bearing is "trapped" between two retainers. The bottom side of the inner bearing is "step-cut" on the o.d. to pilot over snap ring. c/s = .245"
- PISTON: Welded to stage. Uses 2 replaceable wear rings per stage.
- STAGE O.D.'s: 3", 4", 5", 6", 7", 8-1/8", 9-3/8"
- SPECIAL INFO.: Spring steel type snap ring serves as internal stop. Uses a spiral retainer to "trap" lower bearing.
- IDENTIFICATION: Cylinder model number and serial number stamped on cylinder body near base of cylinder.
Ex: 70000-815-180D

70,000 Series single action cylinders are manufactured to use urethane u-seals but may be retrofitted with a vee packing set if desired. We stock both types of packing for your convenience.

70,000 SERIES SINGLE ACTING PACKING SETS

Hercules offers three types of packing for Hyco 70,000 series cylinders. Type 1 kits are identical to the original Hyco packing sets and utilize Parker u-seals. Type 2 kits are also identical to the Hyco sets but contain a lower cost Hallite manufactured u-seal. Type 3 kits contain a vee packing set retrofit for the original u-seal packing. The vee packing can be more effective in sealing an older cylinder with abrasive scoring or other surface blemishes.

HYCO TELESCOPIC CYLINDERS

70,000 SERIES CYLINDERS WITH K STYLE WIPER

Type 1: OEM U-Seals, 2 Wipers,
Nylon Bearing and Retainer Kits

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HYOE-034-00070-300	.....3" Pack Kit	\$ 62.31
HYOE-034-00070-400	.....4" Pack Kit	82.39
HYOE-034-00070-500	.....5" Pack Kit	101.39
HYOE-034-00070-600	.....6" Pack Kit	113.82
HYOE-034-00070-700	.....7" Pack Kit	120.77
HYOE-034-00070-812	.....8.12" Pack Kit	183.64
HYOE-034-00070-938	.....9.38" Pack Kit	262.16

MULTIPLE STAGE KITS

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HYOE-034-00070-46	.....4 - 6"	\$ 267.76
HYOE-034-00070-47	.....4 - 7"	365.95
HYOE-034-00070-48-1/8	.....4 - 8-1/8"	578.43
HYOE-034-00070-49-3/8	.....4 - 9-3/8"	801.23
HYOE-034-00070-57	.....5 - 7"	307.36
HYOE-034-00070-58-1/8	.....5 - 8-1/8"	507.08

Type 2: U-Seals, 2 Wipers, Nylon Bearing
and Retainer Kits

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-034-00070-300	.....3" Pack Kit	\$ 40.34
HY-034-00070-400	.....4" Pack Kit	52.11
HY-034-00070-500	.....5" Pack Kit	59.06
HY-034-00070-600	.....6" Pack Kit	66.92
HY-034-00070-700	.....7" Pack Kit	76.90
HY-034-00070-812	.....8.12" Pack Kit	131.71
HY-034-00070-938	.....9.38" Pack Kit	178.86

MULTIPLE STAGE KITS

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-034-00070-46	.....4 - 6"	\$ 177.81
HY-034-00070-47	.....4 - 7"	243.72
HY-034-00070-48-1/8	.....4 - 8-1/8"	371.24
HY-034-00070-49-3/8	.....4 - 9-3/8"	556.50
HY-034-00070-57	.....5 - 7"	196.33
HY-034-00070-58-1/8	.....5 - 8-1/8"	322.20

Type 3: Optional Adj. Vee Sets, 2 Wipers,
Nylon Bearing and Retainer Kits

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-034-00072-300	.....3" Pack Kit	\$ 34.77
HY-034-00072-400	.....4" Pack Kit	46.06
HY-034-00072-500	.....5" Pack Kit	54.72
HY-034-00072-600	.....6" Pack Kit	62.04
HY-034-00072-700	.....7" Pack Kit	69.89
HY-034-00072-812	.....8.12" Pack Kit	121.73
HY-034-00072-938	.....9.38" Pack Kit	156.94

MULTIPLE STAGE KITS

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-034-00072-46	.....4 - 6"	\$ 160.49
HY-034-00072-47	.....4 - 7"	229.48
HY-034-00072-48-1/8	.....4 - 8-1/8"	372.90
HY-034-00072-49-3/8	.....4 - 9-3/8"	576.76
HY-034-00072-57	.....5 - 7"	185.79
HY-034-00072-58-1/8	.....5 - 8-1/8"	293.51

HYCO TELESCOPIC CYLINDERS

70,000 SERIES CYLINDERS

TYPE 1 OEM U-SEALS, WIPERS, NYLON BEARINGS AND RETAINER KITS

Part Number	Description	List Price
HYOE-B15252-300	.....3" Pack Kit	\$ 57.61
HYOE-B15252-400	.....4" Pack Kit	75.11
HYOE-B15252-500	.....5" Pack Kit	91.90
HYOE-B15252-600	.....6" Pack Kit	103.21
HYOE-B15252-700	.....7" Pack Kit	109.28
HYOE-B15252-812	.....8-1/8" Pack Kit	162.19
HYOE-B15252-938	.....9-3/8" Pack Kit	239.72

MULTIPLE STAGE KITS

HYOE-B15252-46	.....4" - 6"	\$ 240.39
HYOE-B15252-47	.....4" - 7"	354.60
HYOE-B15252-48-1/8	.....4" - 8-1/8"	523.67
HYOE-B15252-49-3/8	.....4" - 9-3/8"	770.63
HYOE-B15252-57	.....5" - 7"	275.84
HYOE-B15252-58	.....5" - 8"	444.90

TYPE 2 U-SEALS, WIPERS, NYLON BEARINGS AND RETAINER KITS

Part Number	Description	List Price
HY-B15252-300	.....3" Pack Kit	\$ 35.64
HY-B15252-400	.....4" Pack Kit	44.55
HY-B15252-500	.....5" Pack Kit	49.57
HY-B15252-600	.....6" Pack Kit	56.31
HY-B15252-700	.....7" Pack Kit	65.41
HY-B15252-812	.....8-1/8" Pack Kit	109.89
HY-B15252-938	.....9-3/8" Pack Kit	155.75

MULTIPLE STAGE KITS

HY-B15252-46	.....4" - 6"	\$ 150.44
HY-B15252-47	.....4" - 7"	204.87
HY-B15252-48-1/8	.....4" - 8-1/8"	316.11
HY-B15252-49-3/8	.....4" - 9-3/8"	500.44
HY-B15252-57	.....5" - 7"	164.75
HY-B15252-58	.....5" - 8"	275.99

TYPE 3 OPTIONAL VEE SETS, WIPERS, NYLON BEARINGS AND RETAINER KITS

Part Number	Description	List Price
HY-B15255-300	.....3" Pack Kit	\$ 30.07
HY-B15255-400	.....4" Pack Kit	38.79
HY-B15255-500	.....5" Pack Kit	45.24
HY-B15255-600	.....6" Pack Kit	51.43
HY-B15255-700	.....7" Pack Kit	58.41
HY-B15255-812	.....8-1/8" Pack Kit	100.31
HY-B15255-938	.....9-3/8" Pack Kit	131.44

MULTIPLE STAGE KITS

HY-B15255-46	.....4" - 6"	\$ 133.12
HY-B15255-47	.....4" - 7"	190.63
HY-B15255-48-1/8	.....4" - 8-1/8"	317.22
HY-B15255-49-3/8	.....4" - 9-3/8"	425.61
HY-B15255-57	.....5" - 7"	154.21
HY-B15255-58	.....5" - 8"	250.67

HYCO TELESCOPIC CYLINDERS

70,000 SERIES CYLINDERS

70,000 SERIES INDIVIDUAL PARTS

RETAINER RINGS

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-083-50002-00350	.....3" Retainer Ring	21.22
HY-083-50002-00450	.....4" Retainer Ring	21.22
HY-B9971-5.5	.....5" Retainer Ring	22.04
HY-B9971-6.5	.....6" Retainer Ring	22.49
HY-B9971-7.5	.....7" Retainer Ring	22.49
HY-B9971-862	.....8-1/8" Retainer Ring	60.80
HY-B9971-988	.....9-3/8" Retainer Ring	87.04

NYLON PISTON WEAR RINGS

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-10764-300	.....3-1/2" Nylon Piston Wear Ring	2.60
HY-10764-400	.....4-1/2" Nylon Piston Wear Ring	2.78
HY-10764-500	.....5-1/2" Nylon Piston Wear Ring	2.78
HY-10764-600	.....6-1/2" Nylon Piston Wear Ring	3.66
HY-10764-700	.....7-1/2" Nylon Piston Wear Ring	3.66
HY-10764-812	.....8-5/8" Nylon Piston Wear Ring	6.55
HY-10764-938	.....9-7/8" Nylon Piston Wear Ring	12.32

MISCELLANEOUS PARTS

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-A2688	.....Manual Bleeder Valve	\$ 2.34
HY-A20419	.....Set Screw for Headnut .....	.88
HY-A20420	.....Nylon Slug for Headnut.....	.44

INDIVIDUAL WIPERS

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-080-0005-300	.....3" wiper	4.70
HY-080-0005-400	.....4" wiper	7.27
HY-080-0005-500	.....5" wiper	9.49
HY-080-0005-600	.....6" wiper	10.61
HY-080-0005-700	.....7" wiper	11.49

MULTIPLE STAGE WIPER KITS

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-080-0005-46	.....4" - 6"	28.39
HY-080-0005-47	.....4" - 7"	39.87
HY-080-0005-48-1/8	.....4" - 7" & 8-1/8"	61.69
HY-080-0005-49-1/8	.....4" - 8" & 9-1/8"	103.11
HY-080-0005-49-3/8	.....4" - 7", 8-1/8" & 9-3/8"	103.17
HY-080-0005-57	.....5" - 7"	32.60
HY-080-0005-58-1/8	.....5" - 7" & 8-1/8"	54.42

CAUTION:

Getting the correct Hyco headnut can be a problem. If you are unsure, call our sales department. Headnuts are measured at the I.D. of the wiper.

HEADNUTS

<u>Part Number</u>	<u>Size - Wiper I.D.</u>	<u>List Price</u>
HY-011-39001-125	.....3" Headnut	\$ 64.39
HY-011-49003-125	.....4" Headnut	66.38
HY-011-59002-125	.....5" Headnut	67.54
HY-011-69002-125	.....6" Headnut	81.33
HY-011-79002-125	.....7" Headnut	112.90
HY-011-93001-125	.....8-1/8" Headnut	191.87
HY-011-11001-125	.....9-3/8" Headnut	192.76

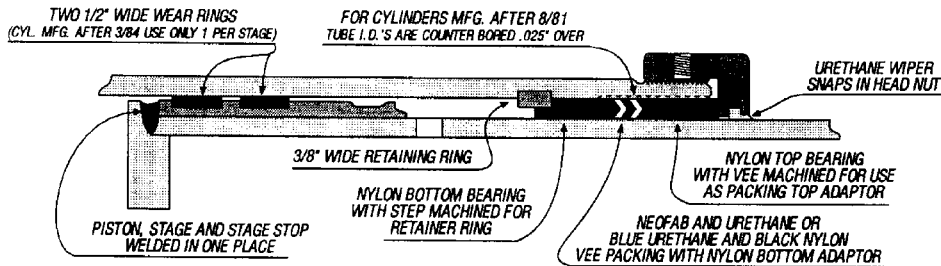
HYCO TELESCOPIC CYLINDERS

IMPORTANT NOTE

WHEN ORDERING HYCO TELESCOPIC PARTS IT IS HELPFUL TO PROVIDE A MODEL NUMBER AND SERIAL NUMBER. THE SERIAL NUMBER IS STAMPED INTO THE BASE OF THE CYLINDER BODY OR IS JUST ABOVE THE CYLINDER PORT. THE SERIAL NUMBER IS THE FIRST FOUR OR FIVE DIGITS OF THE NUMBER. THE LAST THREE OR FOUR DIGITS INDICATES THE DATE OF MANUFACTURE.

EXAMPLE 12345 10 93
SERIAL # MONTH YEAR

30,000 SERIES SINGLE ACTING MANUFACTURED AFTER AUGUST 1, 1981



- PACKING: Vee packing. Outer bearing serves as top adapter for vee set. Note: Packing area is .025" over nominal bore. There is a "step" above the retainer ring groove where the bore dimension returns to nominal size.
- WIPERS: Urethane snap-in type.
- BEARINGS: Glass filled nylon. Outer bearing serves as top adapter for vee set. Inner bearing is "step cut" on o.d. to pilot over snap ring.
- PISTON: Welded to stage. Uses 1/2" wide replaceable wear rings as bearings. Cylinders manufactured 3/84 and before uses 2 wear rings per stage. Cylinders manufactured after 3/84 use 1 per stage.
- STAGE O.D.'s: 3", 4", 5", 6", 7", 8", 8-1/8", 8-1/4", 9-1/8", 9-3/8"
- SPECIAL INFO.: Packing area bore diameter is .025" over nominal dimension. 3/8" thick spring steel snap ring serves as internal stop.
- IDENTIFICATION: Cylinder model number and serial number stamped on cylinder body near base of cylinder. Ex: 30001-85-220

The plungers and cylinder tube assembly have a "step" on the inside diameter above retaining ring groove. As a result packing surface is .025" over the plunger base I.D.. Pack sets contain wiper, vee packing, glass filled nylon top & bottom bearings, retainer rings are 3/8" wide, piston guide rings 1/2" wide, cylinders manufactured after 3/84 may only use one wear ring per stage.

VEE PACKING, BUSHING AND WIPER KITS

Part Number	Description	List Price
HY-14750-300	.....3" Pack Kit.....	24.83
HY-14750-400	.....4" Pack Kit.....	24.83
HY-14750-500	.....5" Pack Kit.....	25.41
HY-14750-600	.....6" Pack Kit.....	29.61
HY-14750-700	.....7" Pack Kit.....	49.23
HY-14750-800	.....8" Pack Kit.....	60.82
HY-14750-812	.....8-1/8" Pack Kit.....	80.4
HY-14750-825	.....8-1/4" Pack Kit.....	87.29
HY-14750-912	.....9-1/8" Pack Kit.....	79.1
HY-14750-938	.....9-3/8" Pack Kit.....	79.1

Part Number	Description	List Price
HY-14750-46	.....4 - 6" Pack Kit	79.85
HY-14750-47	.....4 - 7" Pack Kit	129.07
HY-14750-48	.....4 - 8" Pack Kit	189.89
HY-14750-482	.....4 - 8-1/4" Pack Kit	216.36
HY-14750-57	.....5 - 7" Pack Kit	104.24
HY-14750-58	.....5 - 8" Pack Kit	165.07

MAJOR REPAIR KITS

Contain vee packing, bushings, wear rings, retainer rings and wipers.

Part Number	Stages	List Price
HY-MRK-14750-46	.....4" - 6"	174.96
HY-MRK-14750-47	.....4" - 7"	255.91
HY-MRK-14750-48	.....4" - 8"	353.99

HYCO TELESCOPIC CYLINDERS

30,000 SERIES CYLINDERS

MANUFACTURED AFTER AUGUST 1, 1981

RETAINER RINGS

Part Number	Description	List Price
HY-B9971-3.5	.....3" Retainer Ring	.....\$ 41.57
HY-B9971-4.5	.....4" Retainer Ring	.....21.71
HY-B9971-5.5	.....5" Retainer Ring	.....22.04
HY-B9971-6.5	.....6" Retainer Ring	.....22.49
HY-B9971-7.5	.....7" Retainer Ring	.....22.49
HY-B9971-8.5	.....8" Retainer Ring	.....25.37
HY-B9971-862	.....8-1/8" Retainer Ring	.....60.81
HY-B9971-900	.....8-1/4" Retainer Ring	.....99.84
HY-B9971-962	.....9-1/8" Retainer Ring	.....88.78
HY-B9971-988	.....9-3/8" Retainer Ring	.....87.04

PISTON WEAR RINGS

Part Number	Description	List Price
HY-10764-300	.....3-1/2" Nylon Piston Wear Ring	.....\$ 2.60
HY-10764-400	.....4-1/2" Nylon Piston Wear Ring	.....2.78
HY-10764-500	.....5-1/2" Nylon Piston Wear Ring	.....2.78
HY-10764-600	.....6-1/2" Nylon Piston Wear Ring	.....3.66
HY-10764-700	.....7-1/2" Nylon Piston Wear Ring	.....3.66
HY-10764-800	.....8-1/2" Nylon Piston Wear Ring	.....4.39
HY-10764-812	.....8-5/8" Nylon Piston Wear Ring	.....6.55
HY-10764-825	.....9" Nylon Piston Wear Ring	.....7.03
HY-10764-900	.....9-3/4" Nylon Piston Wear Ring	.....7.51
HY-10764-938	.....9-7/8" Nylon Piston Wear Ring	.....12.32

PISTON WEAR RING KITS

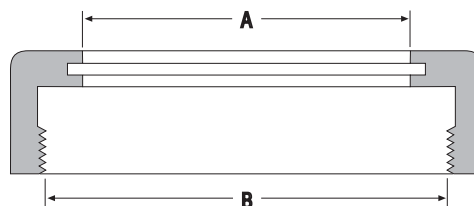
Part Number	Description	List Price
HY-10764-46	.....4-1/2" - 6-1/2" Kit (1 ea. size)	.....\$ 10.61
HY-10764-47	.....4-1/2" - 7-1/2" Kit (1 ea. size)	.....14.48
HY-10764-48	.....4-1/2" - 8-1/2" Kit (1 ea. size)	.....19.10
HY-10764-48.2	.....4-1/2" - 9" Kit (1 ea. size)	.....19.41
HY-10764-49	.....4-1/2" - 9-3/4" Kit (1 ea. size)	.....26.90
HY-10764-57	.....5-1/2" - 7-1/2" Kit (1 ea. size)	.....11.08
HY-10764-58	.....5-1/2" - 8-1/2" Kit (1 ea. size)	.....15.80

MISCELLANEOUS PARTS

Part Number	Description	List Price
HY-ABV100	.....Automatic Bleeder Valve (For cylinders MFG prior to 1-1-88)	.....\$ 23.34
HY-ABV103	.....Automatic Bleeder Valve with S.A.E. O-Ring Seal (For cylinders MFG. after 1-1-88)	.....46.50
HY-A20419	.....Set Screw for Headnut	......87
HY-A20420	.....Nylon Slug for Headnut	......43
HY-A20866	.....Nylon Slug & Set Screw	.....1.35

HEADNUTS

CAUTION:
Getting the correct Hyco headnut can be a problem. If you are unsure, call our sales department. Headnuts are measured at the I.D. of the wiper.



Part Number	"A" Wiper I.D.	"B" Thread I.D.	Threads/Inch	List Price
HY-A2527	.....3"	.....3.840"	.....12	.....\$ 64.39
HY-A2217	.....4"	.....4.840"	.....12	.....66.38
HY-A2216	.....5"	.....5.840"	.....12	.....67.54
HY-A2215	.....6"	.....6.840"	.....12	.....81.33
HY-A2406	.....7"	.....7.840"	.....12	.....112.90
HY-A3535	.....7"	.....8.100"	.....12	.....168.71
(For threading on 8-1/4" Stage)				
HY-A20621	.....8"	.....9.020"	.....12	.....128.64
(For 30,000 Series prior to 9-1-87)				
HY-A22747	.....8"	.....8.990"	.....12	.....212.69
(For 30,000 Series after 9-1-87 and for threading on all 9-1/8" Stages)				
HY-A20558	.....8-1/8"	.....9.220"	.....12	.....191.87
HY-A3534	.....8-1/4"	.....9.780"	.....12	.....211.16
HY-A22483	.....9-1/8"	.....10.170"	.....12	.....161.60
(For 20,000 Series double acting cylinders)				
HY-A22746	.....9-1/8"	.....10.170"	.....12	.....191.62
(For 30,000 Series after 9/81)				
HY-A20599	.....9-3/8"	.....10.670"	.....12	.....192.76

NOTE:
REPLACEMENT STAGES AVAILABLE UPON REQUEST.
CYLINDER SERIAL NUMBER IS IMPORTANT

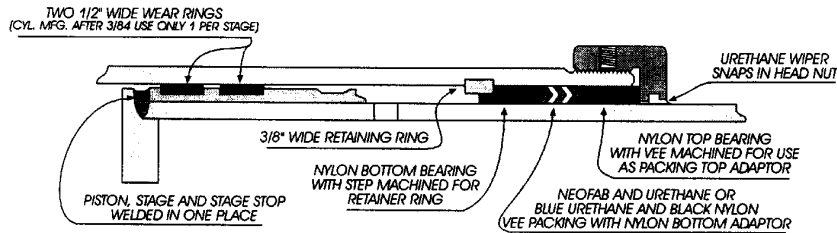
HYCO TELESCOPIC CYLINDERS

30,000 SERIES SINGLE ACTING

MANUFACTURED BEFORE AUGUST 1, 1981

20,000 SERIES DOUBLE ACTING

ALL



HYCO 30,000 SERIES

- PACKING:** Vee packing. Outer bearing serves as top adaptor for vee set. All packing is 1/4" cross section, except 9" stage has 3/8" c/s packing and 9-1/8" stage has 5/16" c/s packing.
- WIPERS:** Urethane snap-in type.
- BEARINGS:** Glass filled nylon. Outer bearing serves as top adaptor for vee set. Inner bearing is "step-cut" on o.d. to pilot over snap ring.
- PISTON:** Welded to stage. Uses 1/2" wide replaceable wear rings as bearings.
- STAGE O.D.'s:** 3", 4", 5", 6", 7", 8", 8-1/8", 8-1/4", 9", 9-1/8", 9-3/8"
- SPECIAL INFO.:** 3/8" spring steel snap ring serves as internal stop.
- IDENTIFICATION:** Cylinder model number and serial number stamped on cylinder body near base of cylinder. Ex: 30001-85-220

HYCO 20,000 SERIES DOUBLE ACTION

- PACKING:** Vee packing with bottom adaptor. 4" through 8" sizes 1/4" c.s.; 9" is 3/8" c.s.; 9-1/8" is 5/16".
- WIPERS:** Urethane snap-in type.
- BEARINGS:** Glass filled nylon. Top bearing serves as top adaptor for vee packing. Inner bearing is step-cut to pilot over snap ring.
- PISTON:** Welded to stage. Uses 1, 1/2" wide nylon wear ring and 2 iron piston rings in separate grooves.
- STAGE O.D.'s:** 3", 4", 5", 6", 7", 8", 9", 9-1/8"
- SPECIAL INFO.:** 3/8" spring steel snap ring serves as internal stop.
- IDENTIFICATION:** Cylinder model number and serial number stamped on cylinder body near base.

For all 30,000 Series cylinders manufactured between 9/1/76 and 8/1/81 and all 20,000 Series telescopics, pack kits include wiper, vee packing and glass filled nylon bearings. Hercules also offers optional kits with bronze upper bearings.

VEE PACKING, NYLON TOP & BOTTOM BEARINGS AND WIPER KITS

Part Number	Description	List Price
HY-14411-300N	3" Pack Kit	\$ 21.99
HY-14411-400N	4" Pack Kit	21.99
HY-14411-500N	5" Pack Kit	30.54
HY-14411-600N	6" Pack Kit	32.07
HY-14411-700N	7" Pack Kit	41.61
HY-14411-800N	8" Pack Kit	63.03
HY-14411-812N	8-1/8" Pack Kit	87.71
HY-14411-825N	8-1/4" Pack Kit	118.69
HY-14411-900N	9" Pack Kit	135.47
HY-14411-912N	9-1/8" Pack Kit	121.92
HY-14411-938N	9-3/8" Pack Kit	116.42

MULTIPLE STAGE KITS

HY-14411-46N	4" - 6" Pack Kit	\$ 84.60
HY-14411-47N	4" - 7" Pack Kit	126.20
HY-14411-48N	4" - 8" Pack Kit	189.21
HY-14411-49N	4" - 9" Pack Kit	324.69
HY-14411-491N	4" - 9-1/8" Pack Kit	311.14

VEE PACKING, BRONZE TOP BEARING, NYLON BOTTOM BEARING AND WIPER KITS

Part Number	Description	List Price
HY-14411-300B	3" Pack Kit Hytrel & Fab Vees	\$ 28.34
HY-14411-400B	4" Pack Kit Hytrel & Fab Vees	30.49
HY-14411-500B	5" Pack Kit Hytrel & Fab Vees	34.24
HY-14411-600B	6" Pack Kit Hytrel & Fab Vees	40.61
HY-14411-700B	7" Pack Kit Hytrel & Fab Vees	53.37
HY-14411-800B	8" Pack Kit Hytrel & Fab Vees	68.17
HY-14411-812B	8-1/8" Pack Kit Hytrel & Fab Vees	92.30
HY-14411-825B	8-1/4" Pack Kit Hytrel & Fab Vees	118.99
HY-14411-900B	9" Pack Kit Hytrel & Fab Vees	138.19
HY-14411-912B	9-1/8" Pack Kit Hytrel & Fab Vees	125.60
HY-14411-938B	9-3/8" Pack Kit Hytrel & Fab Vees	120.90

MAJOR REPAIR KITS - SINGLE ACTING

Contain vee packing, bushings, wear rings, retainer rings and wipers.

Part Number	Stages	List Price
HY-MRK-14411-46	4" - 6"	\$ 168.25
HY-MRK-14411-47	4" - 7"	238.52
HY-MRK-14411-48	4" - 8"	334.07

HYCO TELESCOPIC CYLINDERS

30,000 SERIES CYLINDERS & 20,000 SERIES CYLINDERS

(MANUFACTURED BEFORE AUGUST 1, 1981)

(ALL)

RETAINER RINGS

Part Number	Description	List Price
HY-B9971-3.5	3" Retainer Ring	\$ 41.57
HY-B9971-4.5	4" Retainer Ring	21.71
HY-B9971-5.5	5" Retainer Ring	22.04
HY-B9971-6.5	6" Retainer Ring	22.49
HY-B9971-7.5	7" Retainer Ring	22.49
HY-B9971-8.5	8" Retainer Ring	26.00
HY-B9971-862	8-1/8" Retainer Ring	60.80
HY-B9971-900	8-1/4" Retainer Ring	99.94
HY-B9971-962	9-1/8" Retainer Ring - S.A.	88.78
HY-B9971-970	9-1/8" Retainer Ring - D.A.	139.85
HY-B9971-988	9-3/8" Retainer Ring	87.04

PISTON WEAR RINGS

Part Number	Description	List Price
HY-10764-300	3-1/2" Nylon Piston Wear Ring	\$ 2.60
HY-10764-400	4-1/2" Nylon Piston Wear Ring	2.78
HY-10764-500	5-1/2" Nylon Piston Wear Ring	2.78
HY-10764-600	6-1/2" Nylon Piston Wear Ring	3.66
HY-10764-700	7-1/2" Nylon Piston Wear Ring	3.66
HY-10764-800	8-1/2" Nylon Piston Wear Ring	4.39
HY-10764-812	8-5/8" Nylon Piston Wear Ring	6.55
HY-10764-825	9" Nylon Piston Wear Ring	7.03
HY-10764-900	9-3/4" Nylon Piston Wear Ring	7.51
HY-10764-938	9-7/8" Nylon Piston Wear Ring	12.32

PISTON WEAR RING KITS

Part Number	Description	List Price
HY-10764-46	4-1/2" - 6-1/2" Kit (1 ea. size)	\$ 10.61
HY-10764-47	4-1/2" - 7-1/2" Kit (1 ea. size)	14.48
HY-10764-48	4-1/2" - 8-1/2" Kit (1 ea. size)	19.20
HY-10764-48.2	4-1/2" - 9" Kit (1 ea. size)	19.41
HY-10764-49	4-1/2" - 9-3/4" Kit (1 ea. size)	26.90
HY-10764-57	5-1/2" - 7-1/2" Kit (1 ea. size)	11.08
HY-10764-58	5-1/2" - 8-1/2" Kit (1 ea. size)	15.80

CAST IRON PISTON RINGS FOR DOUBLE ACTING CYLINDERS 1/2" WIDE

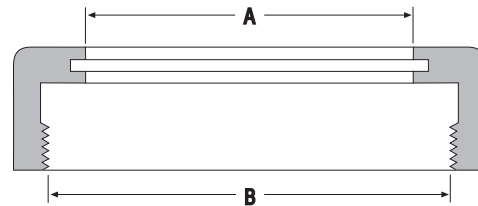
Part Number	Description	List Price
HY-B12071-3	3-1/2 Cast Iron Piston Ring	\$ 36.45
HY-B12071-4	4-1/2 Cast Iron Piston Ring	17.24
HY-B12071-5	5-1/2 Cast Iron Piston Ring	20.79
HY-B12071-6	6-1/2 Cast Iron Piston Ring	24.30
HY-B12071-7	7-1/2 Cast Iron Piston Ring	26.63
HY-B12071-8	8-1/2 Cast Iron Piston Ring	30.06
HY-B12071-812	8-5/8 Cast Iron Piston Ring	64.77
HY-B12071-9	9-3/4 Cast Iron Piston Ring	31.89
HY-B12071-938	9-7/8 Cast Iron Piston Ring	64.77
HY-B12071-49	4-1/2-9-3/4 Cast Iron Piston Ring Kit	316.91

MISCELLANEOUS PARTS

Part Number	Description	List Price
HY-ABV100	Automatic Bleeder Valve (For cylinders MFG prior to 1-1-88)	\$ 23.34
HY-A2688	1/8" NPT Manual Bleeder Valve	2.39
HY-A20419	Set Screw for Headnut	87
HY-A20420	Nylon Slug for Headnut	43
HY-A20866	Nylon Slug & Set Screw	1.35
DD-HA 2401	2" ID X 2" Wide Pin Eye Bushing	35.35

HEADNUTS

CAUTION:
Getting the correct Hyco headnut can be a problem. If you are unsure, call our sales department. Headnuts are measured at the I.D. of the wiper.



Part Number	"A" Wiper I.D.	"B" Thread I.D.	Threads/Inch	List Price
HY-A2527	3"	3.840"	12	\$ 64.39
HY-A2217	4"	4.840"	12	66.38
HY-A2216	5"	5.840"	12	67.54
HY-A2215	6"	6.840"	12	81.33
HY-A2406	7"	7.840"	12	112.90
HY-A3535	7"	8.100"	12	168.71
(For threading on 8-1/4" Stage)				
HY-A20621	8"	9.020"	12	128.64
(For 30,000 Series prior to 9-1-87)				
HY-A22747	8"	8.990"	12	212.69
(For 30,000 Series after 9-1-87 and for threading on all 9-1/8" Stages)				
HY-A20558	8-1/8"	9.220"	12	191.87
HY-A3534	8-1/4"	9.780"	12	211.16
HY-A22483	9-1/8"		12	161.60
(For 20,000 Series double acting cylinders)				
HY-A22746	9-1/8"	10.170"	12	191.62
(For 30,000 Series after 9/81)				
HY-A20599	9-3/8"	10.670"	12	192.76

HYCO TELESCOPIC CYLINDERS

20,000 SERIES CYLINDERS WITH K-STYLE WIPERS

Vee Packing, Nylon Top & Bottom Bearings and 2 Wiper Kits

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-034-00020-300N	.....3" Pack Kit	\$ 26.69
HY-034-00020-400N	.....4" Pack Kit	29.26
HY-034-00020-500N	.....5" Pack Kit	40.13
HY-034-00020-600N	.....6" Pack Kit	42.68
HY-034-00020-700N	.....7" Pack Kit	53.12
HY-034-00020-800N	.....8" Pack Kit	84.18
HY-034-00020-812N	.....8.12" Pack Kit	109.53
HY-034-00020-912N	.....9.12" Pack Kit	145.93
HY-034-00020-938N	.....9.38" Pack Kit	140.43

Vee Packing, Bronze Top & Nylon Bottom Bearings and 2 Wiper Kits

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-034-00020-300B	.....3" Pack Kit	\$ 33.04
HY-034-00020-400B	.....4" Pack Kit	37.03
HY-034-00020-500B	.....5" Pack Kit	43.73
HY-034-00020-600B	.....6" Pack Kit	51.22
HY-034-00020-700B	.....7" Pack Kit	64.88
HY-034-00020-800B	.....8" Pack Kit	89.32
HY-034-00020-812B	.....8.12" Pack Kit	114.12
HY-034-00020-912B	.....9.12" Pack Kit	149.61
HY-034-00020-938B	.....9.38" Pack Kit	144.50

MULTIPLE STAGE KITS

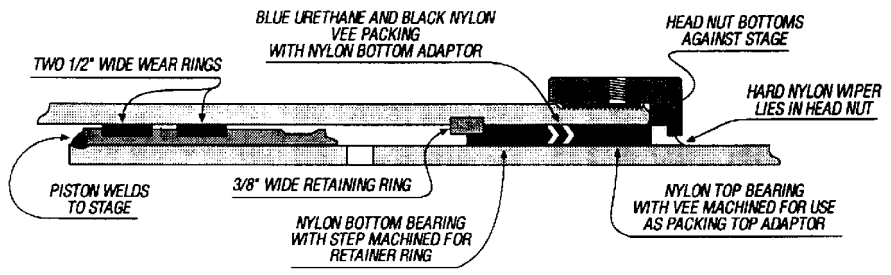
<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-034-00020-46N	.....4" - 6" Pack Kit	\$ 111.97
HY-034-00020-47N	.....4" - 7" Pack Kit	165.20
HY-034-00020-48N	.....4" - 8" Pack Kit	244.24
HY-034-00020-491N	.....4" - 9-1/8" Pack Kit	370.76

MAJOR REPAIR KITS - SINGLE ACTING Contains Vee Packing, Wear Rings, Retainer Rings and 2 Wipers

<u>Part Number</u>	<u>Description</u>	<u>List Price</u>
HY-MRK-034-00020-46	.....4" - 6" Pack Kit	\$ 195.74
HY-MRK-034-00020-47	.....4" - 7" Pack Kit	277.48
HY-MRK-034-00020-48	.....4" - 8" Pack Kit	389.61

HYCO TELESCOPIC CYLINDERS

10,000 SERIES SINGLE ACTING MANUFACTURED FROM JULY, 1974 THROUGH AUGUST, 1976



- PACKING: Vee packing. Outer bearing serves as top adapter for vee set.
- WIPERS: Hard black nylon. Does NOT snap into a groove. Wiper is "trapped" between head nut and top bearing.
- BEARINGS: Glass filled nylon. Outer bearing serves as top adapter for vee set. Inner bearing is "step-cut" to pilot over snap ring.
- PISTON: Welded to stage. Uses 2 replaceable 1/2" wide wear rings. Pistons are open through the bottom; they have no "plug", so a smaller stage will pass out through the bottom of the piston on a larger stage when the headnut is removed and the stages are removed from the cylinder body.
- STAGE O.D.'s: 3", 4", 5", 6", 7", 8", 8-1/4"
- SPECIAL INFO.: 3/8" spring steel snap ring serves as internal stop. Rod eye threads into stage.
- IDENTIFICATION: Cylinder model number and serial number stamped on cylinder body near base.

For all 10,000 Series Single Acting Cylinders manufactured from 7/74 through 8/76, kits include hard black wipers, vee sets and top and bottom bearings.

VEE PACKING, NYLON TOP & BOTTOM BEARINGS AND WIPER KITS

Part Number	Description	List Price
HY-11426-300	.....3" Pack Kit.....	\$ 32.28
HY-11426-400	.....4" Pack Kit	29.94
HY-11426-500	.....5" Pack Kit	39.42
HY-11426-600	.....6" Pack Kit	43.86
HY-11426-700	.....7" Pack Kit	56.36
HY-11426-800	.....8" Pack Kit	70.84
HY-11426-8258-1/4" Pack Kit	139.47

MULTIPLE STAGE KITS

HY-11426-484" - 8" Pack Kit	\$ 240.41
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RETAINER RINGS

Part Number	Description	List Price
HY-B9971-4.54" Retainer Ring	\$ 21.71
HY-B9971-5.5	.....5" Retainer Ring	22.04
HY-B9971-6.5	.....6" Retainer Ring	22.49
HY-B9971-7.5	.....7" Retainer Ring	22.49
HY-B9971-8.5	.....8" Retainer Ring	25.37
HY-B9971-900	.....8-1/4" Retainer Ring	99.94

PISTON WEAR RINGS

Part Number	Description	List Price
HY-10764-400	.....4-1/2" Nylon Piston Wear Ring	\$ 2.78
HY-10764-500	.....5-1/2" Nylon Piston Wear Ring	2.78
HY-10764-600	.....6-1/2" Nylon Piston Wear Ring	3.66
HY-10764-700	.....7-1/2" Nylon Piston Wear Ring	3.66
HY-10764-800	.....8-1/2" Nylon Piston Wear Ring	4.39
HY-10764-825	.....9" Nylon Piston Wear Ring	7.03

HEAD NUTS

CAUTION:
Getting the correct Hyco headnut can be a problem. If you are unsure, call our sales department. Headnuts are measured at the I.D. of the wiper.

Part Number	Description	List Price
HY-401-4.94	.....4" Headnut	\$ 116.94
HY-401-5.94	.....5" Headnut	121.90
HY-401-6.94	.....6" Headnut	135.48
HY-401-7.94	.....7" Headnut	147.47
HY-401-8.94	.....8" Headnut	172.59

HYCO TELESCOPIC CYLINDERS

IMPORTANT NOTE

WHEN ORDERING HYCO TELESCOPIC PARTS IT IS HELPFUL TO PROVIDE A MODEL NUMBER AND SERIAL NUMBER. THE SERIAL NUMBER IS STAMPED ONTO A METAL TAG APPLIED TO THE CYLINDER BODY. THE SERIAL NUMBER IS THE FIRST FOUR OR FIVE DIGITS OF THE NUMBER. THE LAST THREE OR FOUR DIGITS INDICATES THE DATE OF MANUFACTURE.

EXAMPLE 12345 10 93
SERIAL # MONTH YEAR

C900 - C2000 SERIES
SINGLE ACTING
MANUFACTURED BEFORE JULY, 1974

C9000 SERIES
DOUBLE ACTING
ALL

PACKING: Vee packing with nylon top and bottom adaptors 1/4" c.s. on 4" through 8".

WIPERS: Urethane snap-in type.

BEARINGS: 2 bearings, one above the vee packing and the other "trapped" between the two spiral retainers. Original bearings were bronze. Currently many replacements are glass filled or mineral filled nylon.

PISTON: Single action cylinders have piston welded to stage. Piston bearings are bronze overlay on steel nylon. Double action cylinders have steel piston which threads onto stage. Contains 2, 1/2" wide nylon wear rings and 2 cast iron piston rings in common groove.

STAGE O.D.'s: 3", 4", 5", 6", 7", 8", 8-1/4", 9", 9-3/4"

SPECIAL INFO.: 2 spiral retaining rings with bearings "trapped" between them serving as internal stop.

IDENTIFICATION: Cylinder model number and serial number stamped on metal tag applied to cylinder body.

For all C900 - C2000 Series single acting cylinders manufactured before 7/74 and all C9000 Series double acting telescopic, pack kits include only the wiper and vee packing. Nylon and bronze bearings are offered separately.

**INDIVIDUAL STAGE
VEE PACKING AND WIPER SETS**

Part Number	Description	List Price
HY-2VSW.....	2" Packing & Wiper	\$ 9.65
HY-3VSW.....	3" Packing & Wiper	9.86
HY-4VSW.....	4" Packing & Wiper	10.95
HY-5VSW.....	5" Packing & Wiper	14.90
HY-6VSW.....	6" Packing & Wiper	18.17
HY-7VSW.....	7" Packing & Wiper	21.23
HY-8VSW.....	8" Packing & Wiper	23.91
HY-8.12VSW	8-1/8" Packing & Wiper	42.02
HY-8.25 VSW.....	8-1/4" Packing & Wiper	54.65
HY-9VSW.....	9" Packing & Wiper	62.10
HY-9.12VSW	9-1/8" Packing & Wiper	78.97
HY-9.37VSW	9-3/8" Packing & Wiper	63.17
HY-9.75VSW	9-3/4" Packing & Wiper	89.55

**MULTIPLE STAGE
VEE PACKING AND WIPER SETS**

Part Number	Description	List Price
HY-35	3" - 5" Pack Kit	\$ 36.32
HY-36	3" - 6" Pack Kit	55.21
HY-38	3" - 8" Pack Kit	102.15
HY-46	4" - 6" Pack Kit	45.34
HY-47	4" - 7" Pack Kit	67.42
HY-48	4" - 8" Pack Kit	92.28
HY-48-1/4	4" - 8-1/4" Pack Kit	124.26
HY-49	4" - 9" Pack Kit	156.86
HY-57	5" - 7" Pack Kit	56.44
HY-58	5" - 8" Pack Kit	81.32
HY-59-3/4	5" - 9-3/4" Pack Kit	202.85

HYCO TELESCOPIC CYLINDERS

C900 - C2000 SERIES SINGLE ACTING

MANUFACTURED BEFORE JULY, 1974

C9000 SERIES DOUBLE ACTING

ALL

NYLON BEARINGS

Part Number	Description	List Price
HY-A2475N	3" Nylon Bearing	\$ 6.74
HY-A2227N	4" Nylon Bearing	6.74
HY-A2226N	5" Nylon Bearing	7.09
HY-A2225N	6" Nylon Bearing	8.39
HY-A2411N	7" Nylon Bearing	9.13
HY-A2447N	8" Nylon Bearing	11.06
HY-A3438N	8-1/4" Nylon Bearing	20.94
HY-A18415N	9" Nylon Bearing	37.27

NYLON BEARING KITS

Part Number	Description	List Price
HY-NYB38	2 ea. 3" -8" Nylon Bearings	\$ 98.31
HY-NYB46	2 ea. 4" - 6" Nylon Bearings	44.45
HY-NYB47	2 ea. 4" - 7" Nylon Bearings	62.73
HY-NYB48	2 ea. 4" - 8" Nylon Bearings	84.82
HY-NYB48-1/4	2 ea. 4" - 8-1/4" Nylon Bearings	104.59
HY-NYB49	2 ea. 4" - 9" Nylon Bearings	159.36
HY-NYB57	2 ea. 5" - 7" Nylon Bearings	49.22
HY-NYB58	2 ea. 5" - 8" Nylon Bearings	71.31

BRONZE BEARINGS

Part Number	Description	List Price
HY-A2475B	3" Bronze Bearing	\$ 20.85
HY-A2227B	4" Bronze Bearing	18.64
HY-A2226B	5" Bronze Bearing	20.99
HY-A2225B	6" Bronze Bearing	23.19
HY-A2411B	7" Bronze Bearing	25.51
HY-A2447B	8" Bronze Bearing	33.21
HY-A3438B	8-1/4" Bronze Bearing	43.82
HY-A18415B	9" Bronze Bearing	55.25
HY-A8308	9-3/4" Top Bronze Bearing	186.23
HY-A8258	9-3/4" Bottom Bronze Bearing	189.95

SPIRAL RETAINERS

Part Number	Description	List Price
HY-A2477	3" Spiral Retainer	\$ 2.91
HY-A17794	4" Spiral Retainer	6.92
HY-A17793	5" Spiral Retainer	7.08
HY-A2228	6" Spiral Retainer	5.49
HY-A3012	7" Spiral Retainer	7.25
HY-A3013	8" Spiral Retainer	9.01
HY-A4616	8-1/4" Spiral Retainer	37.24
HY-A18387	9" Spiral Retainer	43.44
HY-A8246	9-3/4" Spiral Retainer	75.70

SPIRAL RETAINER KITS

Part Number	Description	List Price
HY-SR48	2 ea. 4" - 8" Spiral Retainers	\$ 71.01
HY-SR49	2 ea. 4" - 9" Spiral Retainers	157.90
HY-SR58	5" - 8" Spiral Retainers	56.94

PISTON RINGS

Double Acting Only

Part Number	Description	List Price
HY-A18029	4-1/2" O.D. Cast Iron Piston Ring	\$ 8.63
HY-A18028	5-1/2" O.D. Cast Iron Piston Ring	11.85
HY-A18027	6-1/2" O.D. Cast Iron Piston Ring	14.24
HY-A18026	7-1/2" O.D. Cast Iron Piston Ring	20.40
HY-A18025	8-1/2" O.D. Cast Iron Piston Ring	28.56
HY-A18385	9-3/4" O.D. Cast Iron Piston Ring	45.37

PISTON RING KITS

Double Acting Only

Part Number	Description	List Price
HY-PR48	2 ea. 4-1/2"-8-1/2" Piston Rings	\$ 141.43
HY-PR49	2 ea. 4-1/2"-9-3/4" Piston Rings	205.31

NYLON PISTON WEAR RINGS

Double Acting Only

Part Number	Description	List Price
HY-10764-400	4-1/2" O.D. Piston Wear Ring	\$ 2.78
HY-10764-500	5-1/2" O.D. Piston Wear Ring	2.78
HY-10764-600	6-1/2" O.D. Piston Wear Ring	3.66
HY-10764-700	7-1/2" O.D. Piston Wear Ring	3.66
HY-10764-800	8-1/2" O.D. Piston Wear Ring	4.39
HY-10764-900	9-3/4" O.D. Piston Wear Ring	7.51

NYLON PISTON WEAR RING KITS

Double Acting Only

Part Number	Description	List Price
HY-NPB48	2 ea. 4-1/2"-8-1/2" Piston Wear Rings	\$ 35.92
HY-NPB49	2 ea. 4-1/2"-9-3/4" Piston Wear Rings	51.27

HEAD NUTS

CAUTION:

Getting the correct Hyco headnut can be a problem. If you are unsure, call our sales department. Headnuts are measured at the I.D. of the wiper.

Part Number	Description	List Price
HY-A2527	3" Headnut	\$ 64.39
HY-A2217	4" Headnut	66.38
HY-A2216	5" Headnut	67.54
HY-A2215	6" Headnut	81.33
HY-A2406	7" Headnut	112.90
HY-A3535	7" Headnut	168.71
(FOR 8-1/4" CYLINDERS)		
HY-A2442	8" Headnut	172.38
HY-A3534	8-1/4" Headnut	211.16
HY-A18411	9" Headnut	146.31

HYCO PISTON-ROD CYLINDERS

Kit Number	Cylinder Number	Code (Pg. vi)	Rod X Bore Size	List Price
HY-A18881	C4979	I-V-12	2 X 4-1/2	\$ 33.06
HY-A22227	C6312	I-V-5	2 X 4	30.70
HY-A22228	C6404	I-N-4	2-1/2 X 3-1/2	11.21
HY-A22229	C6403	I-V-5	2-1/2 X 6	51.95
HY-A22230	C6443	I-V-5	2 X 5	39.11
HY-A22231	C6402	I-V-5	3 X 5	42.91
HY-A22286	C6304	I-U-5	3 X 5	41.72
HY-A22368	C5845	I-U-5	2-1/2 X 5	39.81
HY-A22891	C6591	I-U-5	3-1/2 X 4-1/2	39.81
HY-C2062K	C2062	I-V-9	2 X 6-1/2	49.98
HY-C2526K	C2526	I-V-7	2-1/2 X 5	47.76
HY-C2670K	C2670	I-V-5	2 X 3-1/4	38.64
HY-C2672K	C2672	I-V-5	2-1/2 X 5	56.67
HY-C2699K	C2699	I-V-5	2 X 4	43.66
HY-C3571K	C3571	I-V-9	1-1/2 X 3-1/2	41.59
HY-C3650K	C3650	I-V-5	3 X 6	43.17
HY-C3651K	C3651	I-V-5	3 X 7	63.56
HY-C4658K	C4658	I-V-5	3 X 7	50.25
HY-C4794K	C4794	I-V-5	3 X 7	65.33
HY-C4797K	C4797	I-V-9	3 X 7	114.05
HY-C6217K	C6217	I-V-9	2 X 6	77.53
HY-C6410K	C6410	I-U-5	2 X 4	31.44
HY-C6429K	C6429	I-V-5	3 X 7	69.67

HYCO HYSTER HYDRO-AX

Kit Number	Code (Pg. vi)	Rod X Bore Size	List Price
HA-2401-1046	P-V-12	2 X 3-1/2	\$ 40.31
HA-2401-1097	I-U-11	2 x 3-1/2	20.07
HA-2401-1100	I-U-11	1-1/4 X 3	17.21
HA-3002-1016	I-U-10	2 X 3-1/2	16.34
HA-3002-1031	I-U-10	1-1/2 X 3	14.00
HA-3002-1086	I-U-10	2-1/2 X 5-1/2	30.80
HA-3002-1092	P-U-10	1-1/4 X 2-1/2	12.19
HA-8711016	I-U-10	2 X 3-1/2	15.87
HA-8711031	I-U-10	1-1/2 X 3	13.30
HA-8711056	I-U-10	2-1/2 X 4-1/2	22.46
HA-8711086	I-U-10	2-1/2 X 5-1/2	30.57
HA-8711090	I-U-10	3 X 6	54.14
HA-8804019	I-U-11	2 X 3-1/2	27.07
HA-8804032	I-U-11	2-1/2 X 4	48.23
HA-8804048	I-U-13	1-1/2 X 3	22.75
HA-8804062	I-U-11	1-1/4 X 2-1/2	18.36
HA-8804076	I-U-13	2-1/2 X 4-1/2	40.19
HA-8804094	I-U-11	3 X 6	52.50
HA-8804105	I-U-13	2-1/2 X 5-1/2	51.80
HA-8804125	I-U-11	4-1/2 X 8	116.96
HA-8804138	I-U-11	4 X 7	75.88

HYCO HYSTER HYDRO-AX

Kit Number	Code (Pg. vi)	Rod X Bore Size	List Price
HA-8804178	I-U-13	2-1/2 X 5	\$ 31.16
HA-8804197	I-U-11	4 X 6	52.50
HA-8804213	I-U-11	4-1/2 X 8	112.00
HA-8804214	I-U-11	4 X 7	75.88
HA-8804232	I-U-11	4 X 6	66.50

HYCO HYSTER HYSTER

Kit Number	Code (Pg. vi)	Rod X Bore Size	List Price
HYS-1332565	I-U-N	1-7/8 X 2-1/4	\$ 25.75
HYS-133462	I-V-1	1-3/4" ROD	10.94
HYS-1334570	I-U-4	3-1/2 X 4	37.31
HYS-144267	O-RING KIT		6.62
HYS-148292	N-N-8	3-1/4" PISTON KIT	29.00
HYS-148414	I-V-1	1-3/4" ROD	11.93
HYS-149193	N-N-P	2-1/2" BORE	10.70
HYS-149194	P-V-1	1-3/4 X 2-1/2	14.66
HYS-149254	I-V-1	1-3/4" ROD	10.02
HYS-149258	P-V-1	2" ROD	22.50
HYS-149259	N-V-1	2-1/4" ROD	13.04
HYS-149260	I-V-1	1-1/4" ROD	12.31
HYS-149292	O-RING KIT		3.71
HYS-168801	N-U-12	1 X 3	32.16
HYS-170881	P-V-8	1-1/4 X 3	21.57
HYS-2026822	P-U-10	35 X 65 mm	43.91
HYS-226074	I-U-8	1-1/2 X 3-1/2	27.51
HYS-2302714	I-U-11	28 mm X 2-1/2	10.71
HYS-2303974	I-U-1	3 X 3-3/4	26.06
HYS-250050	P-U-10	1-1/2 X 3-1/2	21.15
HYS-250051	P-U-10	1-1/4 X 3	22.45
HYS-250550	I-U-4	4-1/4 X 6	67.55
HYS-250559	I-U-4	5-1/4 X 7-1/2	92.80
HYS-250603	I-U-8	1 X 2-1/2	25.97
HYS-250937	I-U-8	1-1/2 X 3.525	61.99
HYS-250943	I-U-1	3.70, 5.45 STAGES	114.07
HYS-280537	I-U-4	2-1/8 X 2-1/2	28.32
HYS-281474	P-U-10	1-1/2 X 3-1/2	22.20
HYS-281815	I-U-10	1-3/4 X 3-1/2	11.37
HYS-281822	I-U-10	1-1/4 X 3	10.41
HYS-281855	I-U-10, 12	1-3/4 X 3-1/2	23.51
HYS-281859	I-U-10, 12	2-1/4 X 3-1/2	25.04
HYS-281864	I-U-10	1-3/4 X 3-1/2	11.45
HYS-318005	I-U-1	2-3/4, 3-3/4 STAGES	37.34
HYS-321758	I-U-10	2-1/4 X 4-1/2	16.87
HYS-321909	I-U-5	3 X 4-3/4	61.96
HYS-327393	I-U-4	2-1/8 X 2-1/2	20.72
HYS-328074	I-U-10	1-1/4 X 2-3/4	12.46
HYS-328121	P-U-10	1-1/4 X 3	24.30
HYS-328226	P-U-10	1-3/4 X 4-1/4	25.28

HYSTER

Kit Number	Code (Pg. vi)	Rod X Bore Size	List Price	Kit Number	Code (Pg. vi)	Rod X Bore Size	List Price
HYS-333742	P-U-10	2-1/8 X 3	\$ 36.30	HYS-381762	I-U-10	2-7/8 X 4-1/2	\$ 34.14
HYS-334997	I-U-10	1-1/4 X 2-3/4	14.47	HYS-383991	P-U-10	1-1/4 X 3	20.72
HYS-337281	I-U-4	1-3/8 X 2	20.34	HYS-48628	I-U-4	3/4 X 1-5/8	10.40
HYS-339347	I-U-4	2 STAGES, 4 - 5"	85.93	HYS-629326	Hose Reel Kit		4.07
HYS-355695	P-U-10	1-3/8 X 3	21.64	HYS-639456	I-U-4	3 X 3-1/2	32.96
HYS-355909	I-U-5	1-1/2 X 4	30.96	HYS-643280	I-U-4	3 X 3-1/2	34.87

Replacement Kits For

HYUNDAI

Excavators

Application	Code (Pg. vi)	Rod (mm)	Bore (mm)	Seal Kit HYU-	List Price
Model 130LC					
ARM	P-UB-10	80	115	91E6-2712	\$ 232.00
BOOM	P-UB-10	75	105	91E6-2711	76.06
BUCKET	P-UB-10	70	100	91E6-2713	82.66
Model R200, R210LC					
ARM	P-UB-14	95	140	91E1-2707	\$ 268.32
BOOM	P-UB-14	85	125	91E1-2706	238.16
BUCKET	P-UB-14	80	120	91E1-2708	219.06
Model R280LC, R320LC-1					
ARM	P-UB-10	105	150	91E2-2708	\$ 237.34
BOOM	P-UB-10	95	145	91E2-2707	250.00
BUCKET	P-UB-10	95	145	91E2-2709	239.78
Model R420LC, R450LC					
ARM	P-UB-14	120	185	31E7-2712	\$ 359.38
BOOM	P-UB-14	110	160	31E7-2711	311.60
BUCKET	P-UB-14	110	160	31E7-2713	404.64

HYUNDAI

Kit Number	Code (Pg. vi)	Rod X Bore Size	List Price	Kit Number	Code (Pg. vi)	Rod X Bore Size	List Price
HYU-91E1-2706	P-UB-14	85 X 125 mm	\$ 238.16	HYU-91E6-2711	P-UB-10	75 X 105 mm	76.06
HYU-91E1-2707	P-UB-14	95 X 140 mm	268.32	HYU-91E6-2712	P-UB-10	80 X 115 mm	232.00
HYU-91E1-2708	P-UB-14	80 X 120 mm	219.06	HYU-91E6-2713	P-UB-10	70 X 100 mm	82.66
HYU-91E2-2708	P-UB-10	105 X 150 mm	237.34	HYU-31E7-2711	P-UB-14	110 X 160 mm	311.60
HYU-91E2-2707	P-UB-10	95 X 145 mm	250.00	HYU-31E7-2712	P-UB-14	120 X 185 mm	359.38
HYU-91E2-2709	P-UB-10	95 X 145 mm	239.78	HYU-31E7-2713	P-UB-14	110 X 160 mm	404.64