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HY-SPEC

HYDRAULIK



2006 CANADIAN ISSUE

HY-SPEC RETAILERS

ALBERTA

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 F 780-962-1982
cori@irochdraulics.com

PARAMOUNT HYDRAULICS
 BROOKS, AB, T1R 1C4
 T 403-362-8881
 T 403-362-2286
sam.kaye@midfieldsupply.com

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TERRITORIES STILL AVAILABLE FOR RETAILERS

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 F 506-546-4406
hydraulic@acehydraulic.ca

HYDRAULIC SYSTEMS LTD
 DARTMOUTH, NS, B3B 1K9
 T 902-468-6640
 F 902-468-3212

R.P. HAWBOLDT HYDRAULIC
 TRENTON, NS, B0K 1X0
 T 902-752-6934
 F 902-755-3355

ONTARIO

CANLAND HYDRAULICS
 BELLEVILLE, ON, K8N 4Z5
 T 613-968-3663
 F 613-968-3815

FRECO FLUID POWER INC.
 NEPEAN, ON, K2E 7Z7
 T 613-226-1201
 F 613-723-7391
sales@frecofluidpower.com

CUMMINS HYDRAULICS LTD
 NEWMARKET, ON, L3Y 8W4
 T 905-836-7750

KIROUAC FLUID INDUSTRIES
 OTTAWA, ON, K1B 4E4
 T 613-742-8593
 F 613-742-7824
sales@kiroacfluid.com

M&C HYDRAULIC INC.
 PETERBOROUGH, ON, K9J 6W2
 T 705-745-5379
 F 705-745-0890
mchhydraulic@bellnet.ca

CANADIAN FARM SUPPLY
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 T 800-265-4638
 F 800-363-2162
dave.ball@canadianfarmsupply.com

QUEBEC

HYDRAULIQUE J. BEAUDOIN
 DUHAMEL OUEST, QC, J9V 2E3
 T 819-629-2588
 F 819-629-3424
service@cylindershop.com

GÉLIKO INC.
 ÉVAIN, QC, J0Z 1Y0
 T 819-768-5656
 F 819-768-5515
gélisko@cablevision.qc.ca

HYDRAULIQUE NES INC.
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 T 819-333-9975
 F 819-333-1170
hydnes@cablevision.qc.ca

RESTO HYDRAULIQUE INC.
 MONT-JOLI, QC, G5H 2C4
 T 418-775-3345
 F 418-775-4808
info@restohydraulique.com

DISTRIBUTION FRANCIS INC.
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 T 418-867-4535
 F 418-867-5144
effl@hotmail.com

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 T 450-456-3614
 F 450-456-3881
phmnc@videotron.ca

CHAGNON & FILS INC.
 ST-DOMINIQUE, QC, J0H 1L0
 T 450-773-6003
 F 450-773-1292
chagnonfils@cgocable.ca

MULTIPIÈCES H & H INC.
 ST-EUSTACHE, QC, J7R 5R6
 T 450-473-1258
 F 450-472-0648
info@multipiecesh.com

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 ST-GEORGES BEAUCE, QC, G5Y 1P3
 T 418-228-8283
 F 418-228-7862
hydrautek@globetrotter.net

MONTRÉAL HYDRAULIQUE
 ST-HUBERT, QC, J3Z 1J2
 T 450-676-4413
 F 450-676-7843
shawn@mtlhydraulique.ca

JOLIETTE HYDRAULIQUE INC.
 ST-PAUL, QC, J0K 3E0
 T 450-753-3883 - 1-866-753-3883
 F 450-753-3122
joliettehhydrauliqueinc@bellnet.ca

MÉCANIQUE PIRO INC.
 ST-RAYMOND, QC, G3L 3Y2
 T 418-337-7907
 F 418-337-2106
mpiro@cite.net

SM HYDRAULIQUE INC.
 STE-MADELEINE, QC, J0H 1S0
 T 450-795-3375
 F 450-795-6328
mraymond@sm-hydraulique.com

ATELIER HYDRAULIC
 STE-SOPHIE, QC, J5J 2V3
 T 450-431-1233
 F 450-431-1847

CB TECH HYDRAULIQUE
 TERREBONNE, QC, J6X 4J8
 T 450-477-9393
 F 450-477-6864
cbtech@bellnet.ca

HYDRAUFAB
 TROIS-RIVIÈRES, QC, G9A 5E1
 T 819-374-1000
 F 819-374-5000
manon.charette@hydraufab.com

CYLINDRE EXPRESS
 VAL D'OR, QC, J0P 6Y1
 T 819-825-4344
 F 819-825-4142
sylvainleblanc@hotmail.com

HYDRAULITECH
 VALLEYFIELD, QC, J6S 6P1
 T 450-373-1613
 F 450-373-1615

CENTRE HYDRAULIQUE GMB INC.
 VANIER, QC, G1M 2T7
 T 418-681-8793
 F 418-681-1351
lucbourassa.gmb@bellnet.ca

HYDRAULIQUE VIGNEAULT INC.
 VICTORIAVILLE, QC, G6P 9S9
 T 819-758-0110
 F 819-758-1020
info@hydrauliquevigneault.ca

SASKATCHEWAN

TERRITORIES STILL AVAILABLE FOR RETAILERS

YUKON/NORTHWEST TERRITORIES

TERRITORIES STILL AVAILABLE FOR RETAILERS

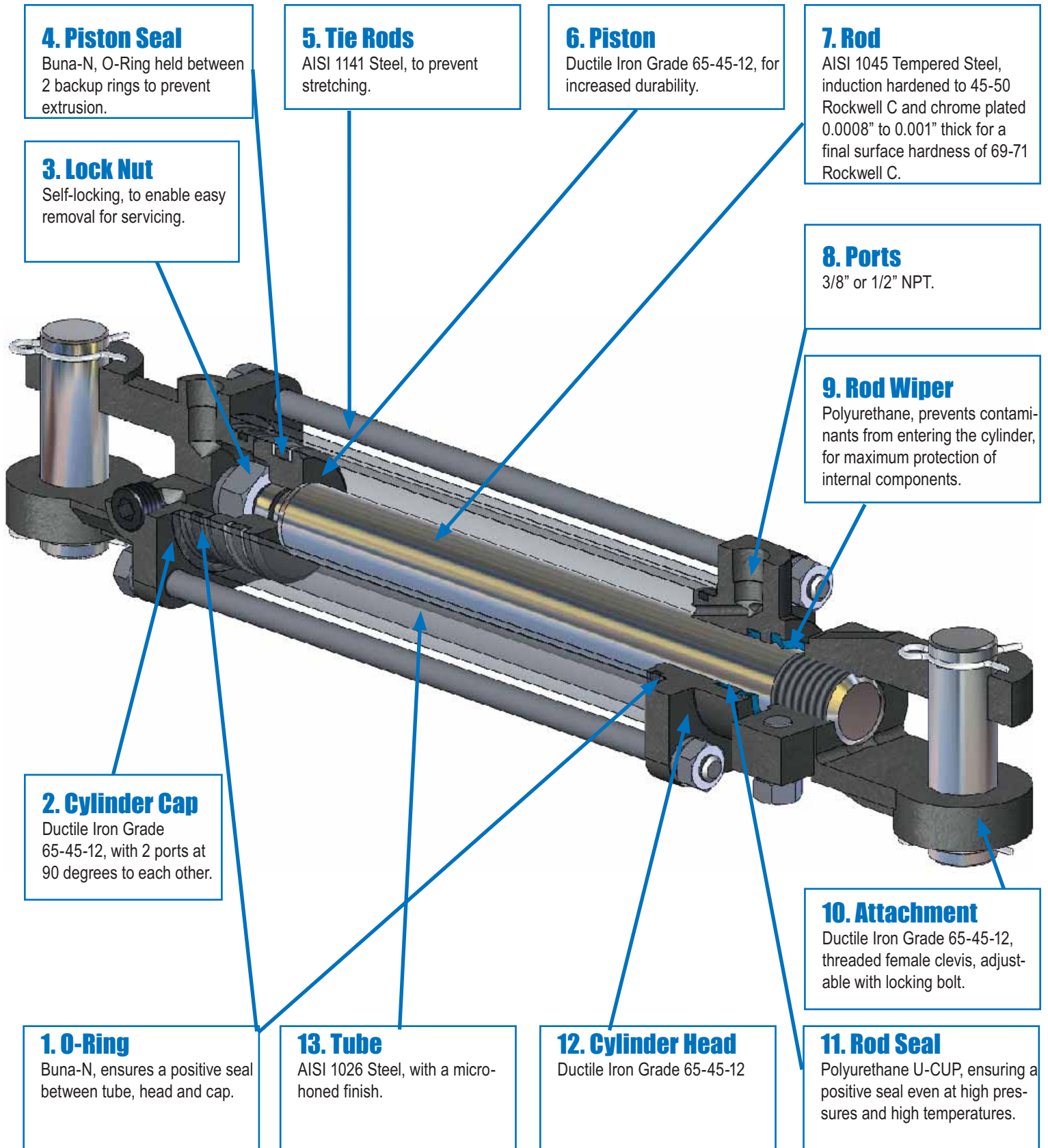
TERRITORIES STILL AVAILABLE FOR RETAILERS

For all OEM requests, please contact 1-877-497-7327

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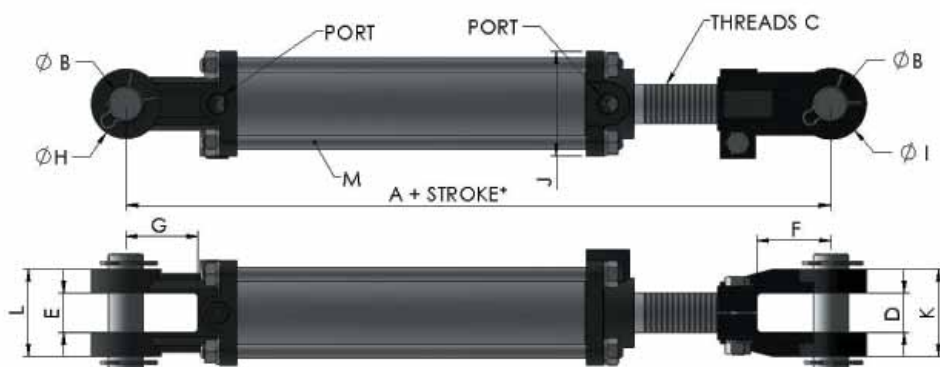
TIE ROD HYDRAULIC CYLINDERS



ASK FOR HY-SPEC QUALITY

Product availability, specifications and prices are subject to change without notice. Taxes extra.

AGU MODEL - SPECIFICATIONS



Pressure (PSI)	
Operating	Testing
2500	5000

AGU CYLINDER DIMENSIONS

	TUBE DIA.	A *	Ø B PIN	C (UNF)	D	E	F	G	H	I	J	K	L	M	PORTS (NPT)
in.	2.000	10.250	1.000	1 1/8 -12	1.125	1.125	2.125	2.062	2.000	2.000	3.000	2.500	2.500	0.393	3/8
mm	50.80	260.35	25.40		28.57	28.57	53.97	52.38	50.80	50.80	76.20	63.50	63.50	10.00	
in.	2.500	10.250	1.000	1 1/8 -12	1.125	1.125	2.125	2.062	2.000	2.000	3.125	2.500	2.500	0.393	3/8
mm	63.50	260.35	25.40		28.57	28.57	53.97	52.38	50.80	50.80	79.38	63.50	63.50	10.00	
in.	3.000	10.250	1.000	1 1/4 - 12	1.125	1.125	2.125	2.062	2000	2.250	3.750	2.625	2.500	0.472	1/2
mm	76.20	260.35	25.40		28.57	28.57	53.97	52.38	50.80	57.14	95.25	66.68	63.50	12.00	
in.	3.500	10.250	1.000	1 1/4 - 12	1.125	1.125	2.125	2.062	2.250	2.250	4.375	2.625	2.500	0.629	1/2
mm	88.90	260.35	25.40		28.57	28.57	53.97	52.38	57.15	57.15	111.13	66.68	63.50	16.00	
in.	4.000	10.250	1.000	1 1/4 - 12	1.125	1.125	2.125	2.062	2.250	2.250	4.625	2.625	2.625	0.629	1/2
mm	101.60	260.35	25.40		28.57	28.57	53.97	52.38	57.15	57.15	117.48	66.68	66.68	16.00	

	A* - STANDARD ASAE CYLINDERS							
	20AGU08-ASAE	25AGU08-ASAE	30AGU08-ASAE	30AGU16-ASAE	35AGU08-ASAE	35AGU16-ASAE	40AGU08-ASAE	40AGU16-ASAE
in.	12.250	12.250	12.250	15.500	12.250	15.500	12.250	15.500
mm	311.15	311.15	311.15	393.70	311.15	393.70	311.15	393.70

MODEL NUMBER FOR AGU

HYS 20 AGU XX - (ASAE) - 10

The diagram shows a vertical line representing the model number 20-30-25-ASA-1000. Branching off this line from bottom to top are labels for each part of the number:

- Company prefix for HY-SPEC** (points to the start of the line)
- Cylinder bore 20, 25, 30, 35 or 40 (ex. 20 = 2.0")** (points to '20')
- Model type AGU** (points to '30')
- Cylinder stroke (inches)** (points to '25')
- ASAE = longer rod extension than standard cylinder** (points to 'ASA')
- Design number** (points to '1000')

WARNING / ATTENTION

PLEASE NOTE THAT THE MAXIMUM CAPACITY OF CLEVIS PINS ARE:

1" Ø	= 26 000 Lbs	1-1/2" Ø	= 56 000 Lbs
1-1/4" Ø	= 39 000 Lbs	2" Ø	= 96 000 Lbs

LIMITED LIFETIME WARRANTY ON OUR CYLINDERS AGAINST ALL MANUFACTURING DEFECTS

ASK FOR HY-SPEC QUALITY

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AGU MODELS

MODEL	BORE X STROKE (in.)	ROD DIA. (in.)	CENTER TO CENTER OF PIN (in.)		PORTS	WEIGHT (lb)	LIST PRICE	SEAL KIT	
			Retracted	Extended				PART #	LIST PRICE
HYS 20AGU04-10	2 X 4	1-1/8	14 1/4	18 1/4	3/8 NPT	16	\$84.30	HYS AGU 201125-10	\$7.16
HYS 20AGU06-10	2 X 6		16 1/4	22 1/4		17	\$84.92		
HYS 20AGU08-10	2 X 8		18 1/4	26 1/4		19	\$83.05		
HYS 20AGU08-ASAE-10	2 X 8		20 1/4	28 1/4		19	\$83.05		
HYS 20AGU10-10	2 X 10		20 1/4	30 1/4		20	\$94.22		
HYS 20AGU12-10	2 X 12		22 1/4	34 1/4		22	\$98.55		
HYS 20AGU14-10	2 X 14		24 1/4	38 1/4		24	\$103.50		
HYS 20AGU16-10	2 X 16		26 1/4	42 1/4		25	\$107.23		
HYS 20AGU18-10	2 X 18		28 1/4	46 1/4		27	\$112.80		
HYS 20AGU20-10	2 X 20		30 1/4	50 1/4		28	\$117.15		
HYS 20AGU24-10	2 X 24		34 1/4	58 1/4		31	\$127.07		
HYS 20AGU30-10	2 X 30		40 1/4	70 1/4		36	\$146.28		
HYS 20AGU36-10	2 X 36		46 1/4	82 1/4		40	\$164.25		
HYS 25AGU04-10	2 1/2 X 4	1-1/8	14 1/4	18 1/4	3/8 NPT	17	\$88.00	HYS AGU 251125-10	\$8.73
HYS 25AGU06-10	2 1/2 X 6		16 1/4	22 1/4		19	\$88.63		
HYS 25AGU08-10	2 1/2 X 8		18 1/4	26 1/4		21	\$87.38		
HYS 25AGU08-ASAE-10	2 1/2 X 8		20 1/4	28 1/4		21	\$87.38		
HYS 25AGU10-10	2 1/2 X 10		20 1/4	30 1/4		23	\$102.27		
HYS 25AGU12-10	2 1/2 X 12		22 1/4	34 1/4		24	\$114.03		
HYS 25AGU14-10	2 1/2 X 14		24 1/4	38 1/4		26	\$119.62		
HYS 25AGU16-10	2 1/2 X 16		26 1/4	42 1/4		28	\$124.57		
HYS 25AGU18-10	2 1/2 X 18		28 1/4	46 1/4		30	\$129.53		
HYS 25AGU20-10	2 1/2 X 20		30 1/4	50 1/4		31	\$135.12		
HYS 25AGU24-10	2 1/2 X 24		34 1/4	58 1/4		35	\$145.03		
HYS 25AGU30-10	2 1/2 X 30		40 1/4	70 1/4		40	\$176.63		
HYS 25AGU36-10	2 1/2 X 36		46 1/4	82 1/4		45	\$196.47		
HYS 30AGU04-10	3 X 4	1-1/4	14 1/4	18 1/4	1/2 NPT	22	\$102.27	HYS AGU 301250-10	\$10.53
HYS 30AGU06-10	3 X 6		16 1/4	22 1/4		24	\$102.88		
HYS 30AGU08-10	3 X 8		18 1/4	26 1/4		26	\$92.99		
HYS 30AGU08-ASAE-10	3 X 8		20 1/4	28 1/4		27	\$100.40		
HYS 30AGU10-10	3 X 10		20 1/4	30 1/4		29	\$117.13		
HYS 30AGU12-10	3 X 12		22 1/4	34 1/4		31	\$126.43		
HYS 30AGU14-10	3 X 14		24 1/4	38 1/4		33	\$131.40		
HYS 30AGU16-10	3 X 16		26 1/4	42 1/4		35	\$136.97		
HYS 30AGU16-ASAE-10	3 X 16		31 1/2	47 1/2		36	\$146.27		
HYS 30AGU18-10	3 X 18		28 1/4	46 1/4		37	\$142.55		
HYS 30AGU20-10	3 X 20		30 1/4	50 1/4		40	\$158.05		
HYS 30AGU24-10	3 X 24		34 1/4	58 1/4		44	\$170.43		
HYS 30AGU30-10	3 X 30		40 1/4	70 1/4		50	\$209.48		
HYS 30AGU36-10	3 X 36		46 1/4	82 1/4		57	\$229.93		

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AGU MODELS

MODEL	BORE X STROKE (in.)	ROD DIA. (in.)	CENTER TO CENTER OF PIN (in.)		PORTS	WEIGHT (lb)	LIST PRICE	SEAL KIT	
			Retracted	Extended				PART #	LIST PRICE
HYS 35AGU04-10	3 1/2 X 4	1-1/4	14 1/4	18 1/4	1/2 NPT	29	\$114.03	HYS AGU 351250-10	\$20.65
HYS 35AGU06-10	3 1/2 X 6		16 1/4	22 1/4		31	\$120.23		
HYS 35AGU08-10	3 1/2 X 8		18 1/4	26 1/4		34	\$126.43		
HYS 35AGU08-ASAE-10	3 1/2 X 8		20 1/4	28 1/4		35	\$126.43		
HYS 35AGU10-10	3 1/2 X 10		20 1/4	30 1/4		37	\$132.02		
HYS 35AGU12-10	3 1/2 X 12		22 1/4	34 1/4		39	\$139.45		
HYS 35AGU14-10	3 1/2 X 14		24 1/4	38 1/4		42	\$149.37		
HYS 35AGU16-10	3 1/2 X 16		26 1/4	42 1/4		44	\$156.80		
HYS 35AGU16-ASAE-10	3 1/2 X 16		31 1/2	47 1/2		45	\$172.30		
HYS 35AGU18-10	3 1/2 X 18		28 1/4	46 1/4		47	\$165.48		
HYS 35AGU20-10	3 1/2 X 20		30 1/4	50 1/4		50	\$172.92		
HYS 35AGU24-10	3 1/2 X 24	1-1/2	34 1/4	58 1/4		59	\$185.32	HYS AGU 351500-10	
HYS 35AGU30-10	3 1/2 X 30		40 1/4	70 1/4		68	\$231.80		
HYS 35AGU36-10	3 1/2 X 36		46 1/4	82 1/4		76	\$245.10		
HYS 40AGU04-10	4 X 4	1-1/4	14 1/4	18 1/4		34	\$144.40	HYS AGU 401250-10	
HYS 40AGU06-10	4 X 6		16 1/4	22 1/4		37	\$148.75		
HYS 40AGU08-10	4 X 8		18 1/4	26 1/4		40	\$148.13		
HYS 40AGU08-ASAE-10	4 X 8		20 1/4	28 1/4		40	\$148.13		
HYS 40AGU10-10	4 X 10		20 1/4	30 1/4		43	\$168.58		
HYS 40AGU12-10	4 X 12		22 1/4	34 1/4		45	\$178.50		
HYS 40AGU14-10	4 X 14		24 1/4	38 1/4		48	\$192.13		
HYS 40AGU16-10	4 X 16		26 1/4	42 1/4		51	\$199.57		
HYS 40AGU16-ASAE-10	4 X 16	2	31 1/2	47 1/2		60	\$228.08	HYS AGU 402000-10	\$23.85
HYS 40AGU18-10	4 X 18	1-1/2	28 1/4	46 1/4		57	\$207.62	HYS AGU 401500-10	
HYS 40AGU20-10	4 X 20		30 1/4	50 1/4		60	\$216.92		
HYS 40AGU24-150-10	4 X 24		34 1/4	58 1/4		66	\$231.80		
HYS 40AGU24-175-10	4 X 24	1-3/4	34 1/4	58 1/4		70	\$241.10	HYS AGU 401750-10	
HYS 40AGU24-200-10	4 X 24	2	34 1/4	58 1/4		75	\$255.35	HYS AGU 402000-10	
HYS 40AGU30-10	4 X 30		40 1/4	70 1/4		87	\$285.10		
HYS 40AGU36-10	4 X 36		46 1/4	82 1/4		98	\$326.00		

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WELDED HYDRAULIC CYLINDERS

5. Cylinder Head Wear Ring

Glass fiber reinforced nylon, improves rod and guide life by preventing side load induced metal to metal wear.

4. O-Ring

Buna-N, protects threads from moisture and corrosion.

3. Rod Seal

Polyurethane U-CUP, ensuring a positive seal even at high pressures and high temperatures.

2. Rod Wiper

Polyurethane, prevents contaminants from entering the cylinder, for maximum protection of internal components.

6. Ports

O-Ring Boss, for zero leakage at high pressure.

7. Piston Seal

Polyurethane, double acting seal ensures a positive seal in both directions. Designed for pressure spikes up to 5000 PSI, operating temperature range from -40° C to 110° C, and improved wear resistance.

8. Piston Wear Ring

Glass fiber reinforced nylon, improves tube and piston life by preventing side load induced metal to metal wear.

9. Lock Nut

Self-Locking, to enable easy removal for servicing.

10. O-Ring

Buna-N, ensures a positive seal between rod and piston.

11. Piston

AISI 1045 Steel, for increased durability.

12. Tube

AISI 1026 Steel, with a micro-honed finish.

1. Pineye or Clevis Attachment

New FEM style clevis is now 5/8" thick on 3 1/2"; 3/4" thick on 4" and 1" thick on 5" bore models to allow for a wider range of applications for mobile or industrial applications.

14. Cylinder Head

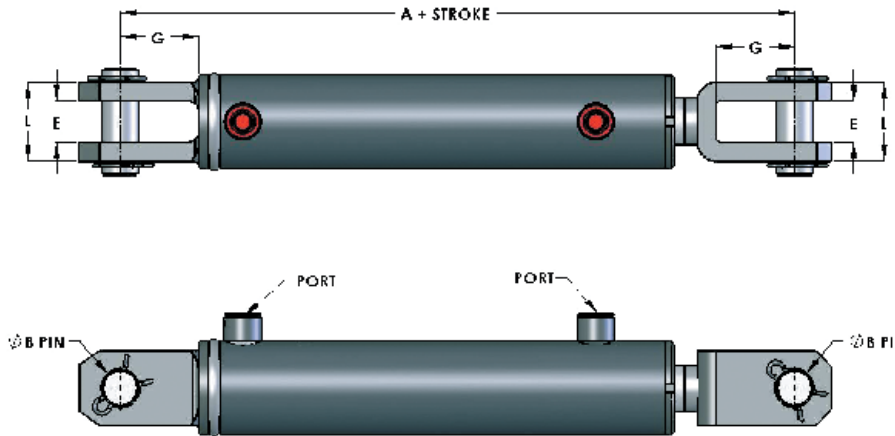
AISI 1045 Steel, with 25% longer thread for increased strength. Threaded design ensures easy disassembly to allow for quick seal replacement.

13. Rod

AISI 1045 Tempered Steel, induction hardened to 45-50 Rockwell C and chrome plated 0.0008" to 0.001" thick for a final surface hardness of 69-71 Rockwell C.

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FEM MODEL - SPECIFICATIONS



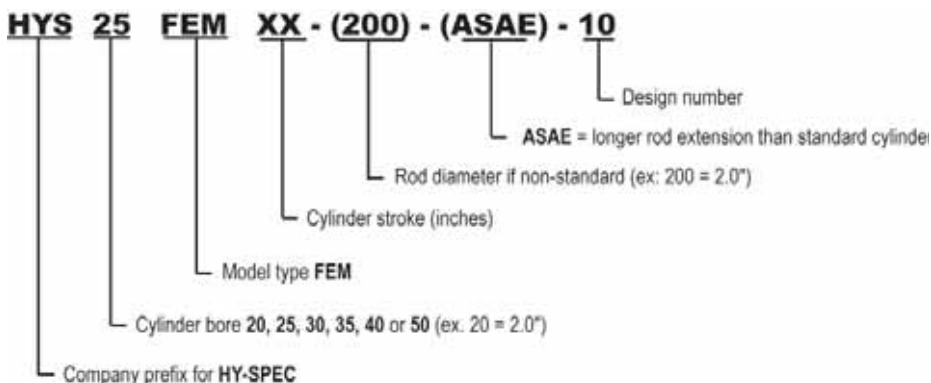
Pressure (PSI)	
Operating	Testing
3000	5600

FEM CYLINDER DIMENSIONS

	TUBE DIA.	A *	Ø B PIN	E	G	L	PORTS (SAE)
in.	2.000	10.250	1.000	1.125	2.125	2.125	6
mm	50.80	260.35	25.40	28.60	53.98	53.98	
in.	2.500	10.250	1.000	1.125	2.125	2.125	8
mm	63.50	260.35	25.40	28.60	53.98	53.98	
in.	3.000	10.250	1.000	1.125	2.125	2.125	8
mm	76.20	260.35	25.40	28.60	53.98	53.98	
in.	3.500	10.250	1.000 / 1.250	1.125	2.000	2.375	8
mm	88.90	260.35	25.40 / 31.75	28.60	50.80	60.33	
in.	4.000	10.250	1.000/ 1.500	1.625	1.750	3.125	8
mm	101.60	260.35	25.40 / 38.10	41.28	44.45	79.38	
in.	5.000	15.750	1.500 / 2.000	2.125	3.500	4.125	12
mm	127.00	400.10	38.10/ 50.80	53.98	88.90	104.78	

A* STANDARD ASAE CYLINDERS									
	20FEM08-ASAE	20FEM16-ASAE	25FEM08-ASAE	25FEM16-ASAE	30FEM08-ASAE	30FEM16-ASAE	35FEM08-ASAE	35FEM16-ASAE	40FEM08-ASAE
in.	12.25	15.50	12.25	15.50	12.25	15.50	12.25	15.50	12.25
mm	311.15	393.70	311.15	393.70	311.15	393.70	311.15	393.70	311.15

MODEL NUMBER FOR FEM



⚠ WARNING / ATTENTION

PLEASE NOTE THAT THE MAXIMUM CAPACITY OF CLEVIS PINS ARE:

VEUILLEZ NOTER QUE LA CAPACITÉ MAXIMUM DES GOUPILLES D'ATTACHEMENT EST DE :

1" Ø = 26 000 Lbs	1-1/2" Ø = 56 000 Lbs
1-1/4" Ø = 39 000 Lbs	2" Ø = 96 000 Lbs

LIMITED LIFETIME WARRANTY ON OUR CYLINDERS AGAINST ALL MANUFACTURING DEFECTS

ASK FOR HY-SPEC QUALITY

Product availability, specifications and prices are subject to change without notice. Taxes extra.

FEM MODELS

MODEL	BORE X STROKE (in.)	ROD DIA. (in.)	PIN DIA. (in.)	CENTER TO CENTER OF PIN (in.)		PORTS	WEIGHT (lb)	LIST PRICE	SEAL KIT	
				Retracted	Extended				PART #	PRICE
HYS 20FEM04-10	2 X 4	1-1/4		14 1/4	18 1/4	SAE-6	14	\$127.12	HYS MF 201250-10	\$7.16
HYS 20FEM06-10	2 X 6			16 1/4	22 1/4		16	\$127.68		
HYS 20FEM08-10	2 X 8			18 1/4	26 1/4		18	\$134.96		
HYS 20FEM08-ASAE-10	2 X 8			20 1/4	28 1/4		19	\$140.35		
HYS 20FEM10-10	2 X 10			20 1/4	30 1/4		20	\$143.36		
HYS 20FEM12-10	2 X 12			22 1/4	34 1/4		21	\$148.96		
HYS 20FEM14-10	2 X 14			24 1/4	38 1/4		23	\$156.80		
HYS 20FEM16-10	2 X 16			26 1/4	42 1/4		25	\$167.44		
HYS 20FEM16-ASAE-10	2 X 16			31 1/2	47 1/2		27	\$179.96		
HYS 20FEM18-10	2 X 18			28 1/4	46 1/4		26	\$177.52		
HYS 20FEM20-10	2 X 20			30 1/4	50 1/4		28	\$183.12		
HYS 20FEM24-10	2 X 24			34 1/4	58 1/4		31	\$198.80		
HYS 20FEM28-10	2 X 28			38 1/4	66 1/4		35	\$206.64		
HYS 20FEM30-10	2 X 30			40 1/4	70 1/4		37	\$245.28		
HYS 20FEM32-10	2 X 32			42 1/4	74 1/4		38	\$260.96		
HYS 20FEM34-10	2 X 34			44 1/4	78 1/4		40	\$267.12		
HYS 20FEM36-10	2 X 36			46 1/4	82 1/4		42	\$272.16		
HYS 25FEM04-10	2 1/2 X 4	1-1/2	1	14 1/4	18 1/4	SAE-8	18	\$145.04	HYS MF 251500-10	\$8.73
HYS 25FEM06-10	2 1/2 X 6			16 1/4	22 1/4		20	\$145.60		
HYS 25FEM08-10	2 1/2 X 8			18 1/4	26 1/4		22	\$154.00		
HYS 25FEM08-ASAE-10	2 1/2 X 8			20 1/4	28 1/4		23	\$162.71		
HYS 25FEM10-10	2 1/2 X 10			20 1/4	30 1/4		25	\$163.52		
HYS 25FEM12-10	2 1/2 X 12			22 1/4	34 1/4		27	\$168.56		
HYS 25FEM14-10	2 1/2 X 14			24 1/4	38 1/4		29	\$179.76		
HYS 25FEM16-10	2 1/2 X 16			26 1/4	42 1/4		31	\$185.92		
HYS 25FEM16-ASAE-10	2 1/2 X 16			31 1/2	47 1/2		34	\$205.54		
HYS 25FEM18-10	2 1/2 X 18			28 1/4	46 1/4		34	\$193.76		
HYS 25FEM20-10	2 1/2 X 20			30 1/4	50 1/4		36	\$207.76		
HYS 25FEM24-10	2 1/2 X 24			34 1/4	58 1/4		40	\$222.32		
HYS 25FEM28-10	2 1/2 X 28			38 1/4	66 1/4		45	\$243.04		
HYS 25FEM30-10	2 1/2 X 30			40 1/4	70 1/4		47	\$268.80		
HYS 25FEM32-10	2 1/2 X 32			42 1/4	74 1/4		49	\$287.28		
HYS 25FEM34-10	2 1/2 X 34			44 1/4	78 1/4		51	\$292.32		
HYS 25FEM36-10	2 1/2 X 36			46 1/4	82 1/4		54	\$285.60		
HYS 30FEM04-10	3 X 4			14 1/4	18 1/4		21	\$159.04	HYS MF 301500-10	\$10.53
HYS 30FEM06-10	3 X 6			16 1/4	22 1/4		24	\$159.60		
HYS 30FEM08-10	3 X 8			18 1/4	26 1/4		26	\$169.12		
HYS 30FEM08-ASAE-10	3 X 8			20 1/4	28 1/4		27	\$176.26		
HYS 30FEM10-10	3 X 10			20 1/4	30 1/4		29	\$181.44		
HYS 30FEM12-10	3 X 12			22 1/4	34 1/4		31	\$195.44		
HYS 30FEM14-10	3 X 14			24 1/4	38 1/4		34	\$203.84		
HYS 30FEM16-10	3 X 16			26 1/4	42 1/4		36	\$212.24		
HYS 30FEM16-ASAE-10	3 X 16			31 1/2	47 1/2		39	\$238.60		
HYS 30FEM18-10	3 X 18			28 1/4	46 1/4		39	\$220.08		
HYS 30FEM20-10	3 X 20			30 1/4	50 1/4		41	\$231.28		
HYS 30FEM24-10	3 X 24			34 1/4	58 1/4		46	\$256.48		
HYS 30FEM28-10	3 X 28			38 1/4	66 1/4		51	\$282.80		
HYS 30FEM30-10	3 X 30			40 1/4	70 1/4		53	\$294.00		
HYS 30FEM32-10	3 X 32			42 1/4	74 1/4		56	\$308.56		
HYS 30FEM34-10	3 X 34			44 1/4	78 1/4		58	\$319.20		
HYS 30FEM36-10	3 X 36			46 1/4	82 1/4		61	\$329.84		

ASK FOR HY-SPEC QUALITY

FEM MODELS

MODEL	BORE X STROKE (in.)	ROD DIA. (in.)	PIN DIA. (in.)	CENTER TO CENTER OF PIN (in.)		PORTS	WEIGHT (lb)	LIST PRICE	SEAL KIT					
				Retracted	Extended				PART #	LIST				
HYS 35FEM04-10	3 1/2 X 4	1-3/4	1 & 1-1/4	14 1/4	18 1/4	SAE-8	31	\$184.80	HYS MF 351750-10	\$20.65				
HYS 35FEM06-10	3 1/2 X 6			16 1/4	22 1/4		34	\$185.92						
HYS 35FEM08-10	3 1/2 X 8			18 1/4	26 1/4		37	\$196.56						
HYS 35FEM08-ASAE-10	3 1/2 X 8			20 1/4	28 1/4		39	\$201.80						
HYS 35FEM10-10	3 1/2 X 10			20 1/4	30 1/4		40	\$204.96						
HYS 35FEM12-10	3 1/2 X 12			22 1/4	34 1/4		43	\$216.16						
HYS 35FEM14-10	3 1/2 X 14			24 1/4	38 1/4		46	\$225.68						
HYS 35FEM16-10	3 1/2 X 16			26 1/4	42 1/4		49	\$247.52						
HYS 35FEM16-ASAE-10	3 1/2 X 16			31 1/2	47 1/2		53	\$269.50						
HYS 35FEM18-10	3 1/2 X 18			28 1/4	46 1/4		52	\$261.52						
HYS 35FEM20-10	3 1/2 X 20			30 1/4	50 1/4		55	\$274.40						
HYS 35FEM24-10	3 1/2 X 24			34 1/4	58 1/4		61	\$295.68						
HYS 35FEM24-200-10	3 1/2 X 24	2	1-3/4	34 1/4	58 1/4		66	\$311.92	HYS MF 352000-10		HYS MF 351750-10			
HYS 35FEM28-10	3 1/2 X 28	1-3/4		38 1/4	66 1/4		68	\$340.48	HYS MF 351750-10					
HYS 35FEM30-10	3 1/2 X 30			40 1/4	70 1/4		71	\$369.04						
HYS 35FEM32-10	3 1/2 X 32			42 1/4	74 1/4		74	\$380.80						
HYS 35FEM34-10	3 1/2 X 34			44 1/4	78 1/4		77	\$396.48						
HYS 35FEM36-10	3 1/2 X 36			46 1/4	82 1/4		80	\$412.16						
HYS 40FEM04-10	4 X 4		2	1 & 1-1/2	14 1/4		18 1/4	46			\$221.76	HYS MF 402000-10	\$23.85	
HYS 40FEM06-10	4 X 6	16 1/4			22 1/4		51	\$223.44						
HYS 40FEM08-10	4 X 8	18 1/4			26 1/4		55	\$231.84						
HYS 40FEM08-ASAE-10	4 X 8	20 1/4			28 1/4		57	\$249.80						
HYS 40FEM10-10	4 X 10	20 1/4			30 1/4		59	\$254.80						
HYS 40FEM12-10	4 X 12	22 1/4			34 1/4		63	\$269.92						
HYS 40FEM14-10	4 X 14	24 1/4			38 1/4		67	\$291.20						
HYS 40FEM16-10	4 X 16	26 1/4			42 1/4		72	\$301.84						
HYS 40FEM16-ASAE-10	4 X 16	31 1/2			47 1/2		76	\$319.79						
HYS 40FEM18-10	4 X 18	28 1/4			46 1/4		76	\$313.60						
HYS 40FEM20-10	4 X 20	30 1/4			50 1/4		80	\$327.04						
HYS 40FEM24-10	4 X 24	34 1/4			58 1/4		88	\$344.40						
HYS 40FEM28-10	4 X 28	38 1/4			66 1/4		97	\$389.76						
HYS 40FEM30-10	4 X 30	40 1/4			70 1/4		101	\$416.08						
HYS 40FEM32-10	4 X 32	42 1/4			74 1/4		105	\$436.24						
HYS 40FEM34-10	4 X 34	44 1/4			78 1/4		109	\$450.80						
HYS 40FEM36-10	4 X 36	46 1/4			82 1/4		113	\$464.94						
HYS 50FEM04-10	5 X 4	2-1/2			1-1/2 & 2	19 3/4	23 3/4	SAE-12	95	\$495.00	HYS MF 502500-10			\$29.61
HYS 50FEM06-10	5 X 6					21 3/4	27 3/4		102	\$533.00				
HYS 50FEM08-10	5 X 8					23 3/4	31 3/4		108	\$577.00				
HYS 50FEM10-10	5 X 10		25 3/4	35 3/4		114	\$595.00							
HYS 50FEM12-10	5 X 12		27 3/4	39 3/4		121	\$647.00							
HYS 50FEM14-10	5 X 14		29 3/4	43 3/4		127	\$700.00							
HYS 50FEM16-10	5 X 16		31 3/4	47 3/4		134	\$731.00							
HYS 50FEM18-10	5 X 18		33 3/4	51 3/4		140	\$773.00							
HYS 50FEM20-10	5 X 20		35 3/4	55 3/4		146	\$813.00							
HYS 50FEM24-10	5 X 24		39 3/4	63 3/4		159	\$840.00							
HYS 50FEM28-10	5 X 28		43 3/4	71 3/4		172	\$880.00							
HYS 50FEM30-10	5 X 30		45 3/4	75 3/4		178	\$910.00							
HYS 50FEM32-10	5 X 32		47 3/4	79 3/4		185	\$980.00							
HYS 50FEM36-10	5 X 36		51 3/4	87 3/4		197	\$1 035.00							

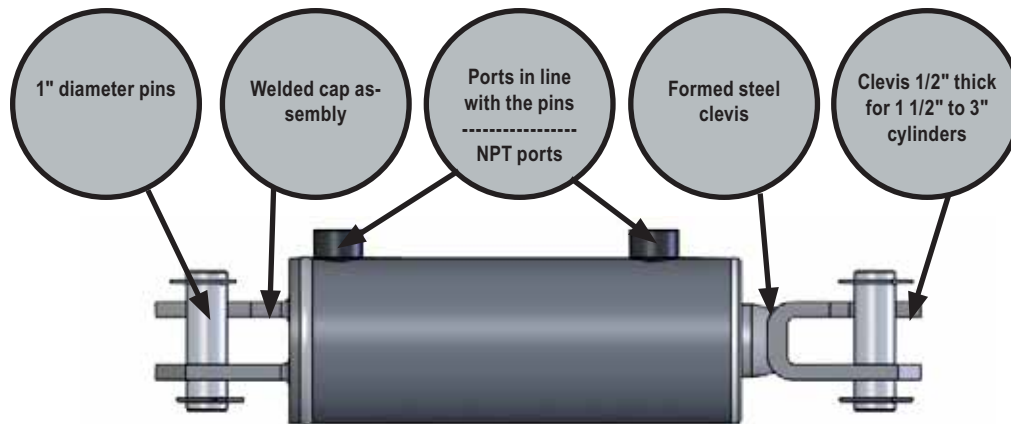
ASK FOR HY-SPEC QUALITY

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WELDED CYLINDER - FEM MODEL

Compare the HY-SPEC evolution!

Previous HY-SPEC design FEM-NW



Make sure your cylinders meet safety standards!

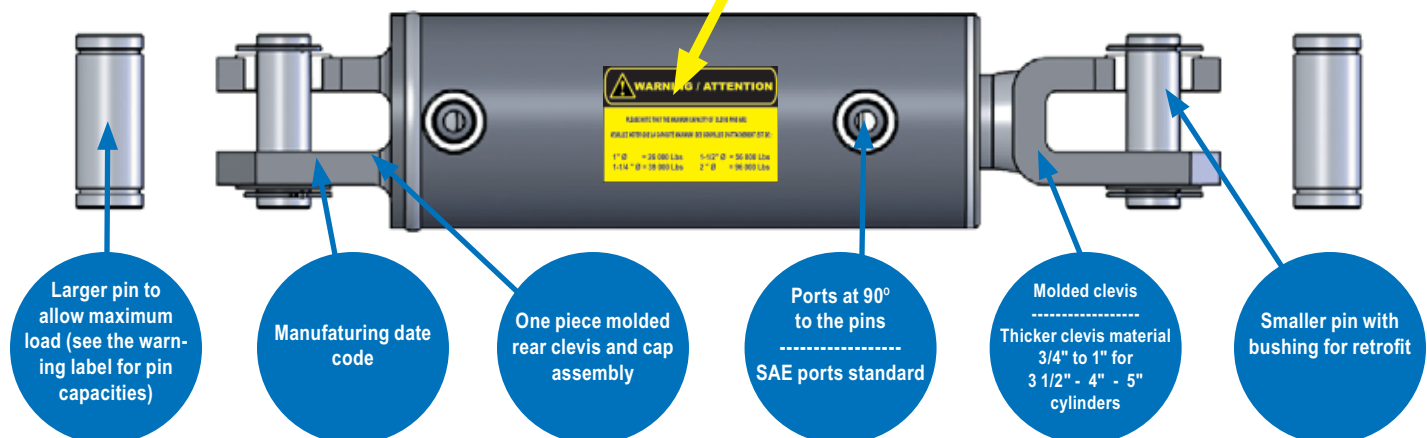
⚠ WARNING / ATTENTION

PLEASE NOTE THAT THE MAXIMUM CAPACITY OF CLEVIS PINS ARE:

VEUILLEZ NOTER QUE LA CAPACITÉ MAXIMUM DES GOUPILLES D'ATTACHEMENT EST DE :

1" Ø	= 26 000 Lbs	1-1/2" Ø	= 56 000 Lbs
1-1/4" Ø	= 39 000 Lbs	2" Ø	= 96 000 Lbs

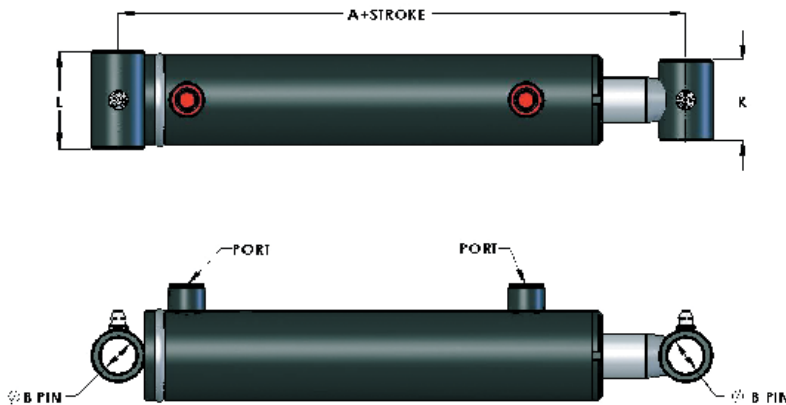
New HY-SPEC design FEM-10 (See page 9)



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MAL MODEL - SPECIFICATIONS

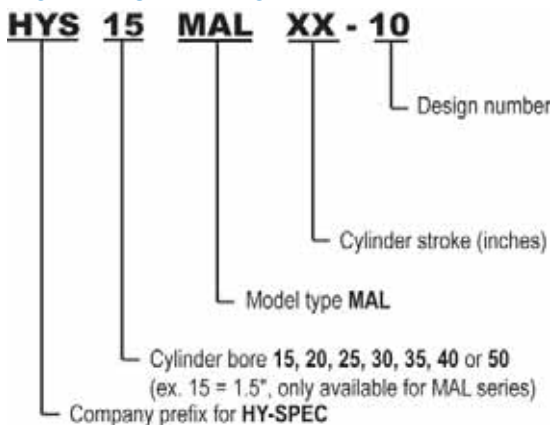


Pressure (PSI)	
Operating	Testing
3000	5600

MAL CYLINDER DIMENSIONS

	TUBE DIA.	A	Ø B PIN	K	L	PORTS (SAE)
in.	1.500	8.000	0.750	2.000	2.250	6
mm	38.10	203.20	19.05	50.80	57.15	
in.	2.000	8.000	1.000	2.250	2.750	6
mm	50.80	203.20	25.40	57.15	69.85	
in.	2.500	8.000	1.000	2.250	3.250	8
mm	63.50	203.20	25.40	57.15	82.55	
in.	3.000	8.000	1.000	2.250	3.750	8
mm	76.20	203.20	25.40	57.15	95.25	
in.	3.500	10.000	1.250	2.250	4.250	8
mm	88.90	254.00	31.750	57.15	107.95	
in.	4.000	10.000	1.500	2.500	4.750	8
mm	101.60	254.00	38.10	63.50	120.65	
in.	5.000	12.000	1.750 / 2.000	3.250	6.000	12
mm	127.00	304.80	44.45	82.55	152.40	

MODEL NUMBER FOR MAL



WARNING / ATTENTION

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VEUILLEZ NOTER QUE LA CAPACITÉ MAXIMUM DES GOUPILLES D'ATTACHEMENT EST DE :

1" Ø = 26 000 Lbs	1-1/2" Ø = 56 000 Lbs
1-1/4" Ø = 39 000 Lbs	2" Ø = 96 000 Lbs

LIMITED LIFETIME WARRANTY ON OUR CYLINDERS AGAINST ALL MANUFACTURING DEFECTS

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MAL MODELS

MODEL	BORE X STROKE (in.)	ROD DIA. (in.)	PIN DIA. (in.)	CENTER TO CENTER OF PIN (in.)		PORTS	WEIGHT (lb)	LIST PRICE	SEAL KIT		
				Retracted	Extended				PART #	PRICE	
HYS 15MAL04-10	1 1/2 X 4	1	3/4	12	16	SAE-6	8	\$124.23	HYS MF 151000-10	\$5.76	
HYS 15MAL06-10	1 1/2 X 6			14	20		9	\$134.96			
HYS 15MAL08-10	1 1/2 X 8			16	24		10	\$144.48			
HYS 15MAL10-10	1 1/2 X 10			18	28		12	\$152.32			
HYS 15MAL12-10	1 1/2 X 12			20	32		13	\$164.08			
HYS 15MAL14-10	1 1/2 X 14			22	36		14	\$180.32			
HYS 15MAL16-10	1 1/2 X 16			24	40		15	\$198.24			
HYS 20MAL04-10	2 X 4	1-1/4		12	16		11	\$123.20	HYS MF 201250-10	\$7.16	
HYS 20MAL06-10	2 X 6			14	20		13	\$129.36			
HYS 20MAL08-10	2 X 8			16	24		15	\$136.08			
HYS 20MAL10-10	2 X 10			18	28		16	\$144.48			
HYS 20MAL12-10	2 X 12			20	32		18	\$150.64			
HYS 20MAL14-10	2 X 14			22	36		20	\$158.48			
HYS 20MAL16-10	2 X 16			24	40		21	\$169.12			
HYS 20MAL18-10	2 X 18			26	44		23	\$178.64			
HYS 20MAL20-10	2 X 20			28	48		25	\$184.24			
HYS 20MAL24-10	2 X 24			32	56		28	\$199.92			
HYS 20MAL28-10	2 X 28			36	64		31	\$208.32			
HYS 20MAL30-10	2 X 30			38	68		33	\$246.96			
HYS 20MAL32-10	2 X 32			40	72		35	\$262.08			
HYS 20MAL36-10	2 X 36			44	80		39	\$273.28			
HYS 20MAL40-10	2 X 40			48	88		42	\$301.28			
HYS 20MAL48-10	2 X 48			56	104		49	\$356.72			
HYS 25MAL04-10	2 1/2 X 4	1-1/2	1	12	16	SAE-8	15	\$141.68	HYS MF 251500-10	\$8.73	
HYS 25MAL06-10	2 1/2 X 6			14	20		17	\$148.40			
HYS 25MAL08-10	2 1/2 X 8			16	24		20	\$155.12			
HYS 25MAL10-10	2 1/2 X 10			18	28		22	\$164.64			
HYS 25MAL12-10	2 1/2 X 12			20	32		24	\$170.24			
HYS 25MAL14-10	2 1/2 X 14			22	36		26	\$180.88			
HYS 25MAL16-10	2 1/2 X 16			24	40		28	\$187.04			
HYS 25MAL18-10	2 1/2 X 18			26	44		31	\$195.44			
HYS 25MAL20-10	2 1/2 X 20			28	48		33	\$208.88			
HYS 25MAL24-10	2 1/2 X 24			32	56		37	\$223.44			
HYS 25MAL28-10	2 1/2 X 28			36	64		42	\$244.72			
HYS 25MAL30-10	2 1/2 X 30			38	68		44	\$269.92			
HYS 25MAL32-10	2 1/2 X 32			40	72		46	\$286.16			
HYS 25MAL36-10	2 1/2 X 36			44	80		51	\$298.48			
HYS 25MAL40-10	2 1/2 X 40			48	88		55	\$338.80			
HYS 25MAL48-10	2 1/2 X 48			56	104		64	\$419.44			
HYS 30MAL06-10	3 X 6	1-1/2			14		20	21	\$155.68	HYS MF 301500-10	\$10.53
HYS 30MAL08-10	3 X 8				16		24	24	\$170.24		
HYS 30MAL10-10	3 X 10				18		28	26	\$182.56		

ASK FOR HY-SPEC QUALITY

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MAL MODELS

MODEL	BORE X STROKE (in.)	ROD DIA. (in.)	PIN DIA. (in.)	CENTER TO CENTER OF PIN (in.)		PORTS	WEIGHT (lb)	LIST PRICE	SEAL KIT	
				Retracted	Extended				PART #	PRICE
HYS 30MAL12-10	3 X 12	1-1/2	1	20	32	SAE-8	29	\$197.12	HYS MF 301500-10	\$10.53
HYS 30MAL14-10	3 X 14			22	36		31	\$204.96		
HYS 30MAL16-10	3 X 16			24	40		33	\$213.36		
HYS 30MAL18-10	3 X 18			26	44		36	\$221.20		
HYS 30MAL20-10	3 X 20			28	48		38	\$232.40		
HYS 30MAL24-10	3 X 24			32	56		43	\$257.60		
HYS 30MAL28-10	3 X 28			36	64		48	\$283.92		
HYS 30MAL30-10	3 X 30			38	68		50	\$295.12		
HYS 30MAL32-10	3 X 32			40	72		53	\$309.68		
HYS 30MAL36-10	3 X 36			44	80		58	\$331.52		
HYS 30MAL40-10	3 X 40			48	88		63	\$388.64		
HYS 30MAL48-10	3 X 48			56	104		73	\$430.64		
HYS 35MAL06-10	3 1/2 X 6	1-3/4	1-1/4	16	22	SAE-8	30	\$188.16	HYS MF 351750-10	\$20.65
HYS 35MAL08-10	3 1/2 X 8			18	26		33	\$197.68		
HYS 35MAL10-10	3 1/2 X 10			20	30		36	\$206.08		
HYS 35MAL12-10	3 1/2 X 12			22	34		39	\$217.28		
HYS 35MAL14-10	3 1/2 X 14			24	38		42	\$226.80		
HYS 35MAL16-10	3 1/2 X 16			26	42		45	\$248.64		
HYS 35MAL18-10	3 1/2 X 18			28	46		48	\$262.64		
HYS 35MAL20-10	3 1/2 X 20			30	50		51	\$276.08		
HYS 35MAL24-10	3 1/2 X 24			34	58		57	\$296.80		
HYS 35MAL28-10	3 1/2 X 28			38	66		63	\$341.60		
HYS 35MAL30-10	3 1/2 X 30			40	70		66	\$370.16		
HYS 35MAL32-10	3 1/2 X 32			42	74		69	\$381.92		
HYS 35MAL36-10	3 1/2 X 36			46	82		75	\$413.84		
HYS 35MAL40-10	3 1/2 X 40			50	90		81	\$434.00		
HYS 35MAL48-10	3 1/2 X 48			58	106		93	\$490.00		
HYS 40MAL08-10	4 X 8	2	1-1/2	18	26	SAE-8	46	\$232.96	HYS MF 402000-10	\$23.85
HYS 40MAL10-10	4 X 10			20	30		50	\$256.48		
HYS 40MAL12-10	4 X 12			22	34		55	\$271.60		
HYS 40MAL14-10	4 X 14			24	38		59	\$292.32		
HYS 40MAL16-10	4 X 16			26	42		63	\$302.96		
HYS 40MAL18-10	4 X 18			28	46		67	\$314.72		
HYS 40MAL20-10	4 X 20			30	50		71	\$328.16		
HYS 40MAL24-10	4 X 24			34	58		80	\$346.08		
HYS 40MAL28-10	4 X 28			38	66		88	\$391.44		
HYS 40MAL30-10	4 X 30			40	70		92	\$417.20		
HYS 40MAL32-10	4 X 32			42	74		96	\$437.92		
HYS 40MAL36-10	4 X 36			46	82		105	\$465.92		
HYS 40MAL40-10	4 X 40			50	90		113	\$497.28		
HYS 40MAL48-10	4 X 48			58	106		130	\$577.36		

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MAL MODELS

MODEL	BORE X STROKE (in.)	ROD DIA. (in.)	PIN DIA. (in.)	CENTER TO CENTER OF PIN (in.)		PORTS	WEIGHT (lb)	LIST PRICE	SEAL KIT	
				Retracted	Extended				PART #	PRICE
HYS 50MAL08-10	5 X 8	2-1/2	1-3/4 & 2	20	28	SAE-12	82	\$551.00	HYS MF 502500-10	\$29.61
HYS 50MAL10-10	5 X 10			22	32		89	\$577.00		
HYS 50MAL12-10	5 X 12			24	36		95	\$647.50		
HYS 50MAL14-10	5 X 14			26	40		101	\$700.00		
HYS 50MAL16-10	5 X 16			28	44		108	\$731.00		
HYS 50MAL18-10	5 X 18			30	48		114	\$753.00		
HYS 50MAL20-10	5 X 20			32	52		121	\$800.00		
HYS 50MAL24-10	5 X 24			36	60		133	\$823.00		
HYS 50MAL28-10	5 X 28			40	68		146	\$868.00		
HYS 50MAL30-10	5 X 30			42	72		152	\$901.00		
HYS 50MAL32-10	5 X 32			44	76		159	\$967.00		
HYS 50MAL36-10	5 X 36			48	84		172	\$1 020.00		
HYS 50MAL40-10	5 X 40			52	92		184	\$1 093.00		
HYS 50MAL48-10	5 X 48			60	108		210	\$1 200.00		

CYLINDER PARTS & ACCESSORIES



PIN ONLY



PIN & BUSHING KIT



FEMALE CLEVIS



STROKE LIMITERS

Dimensions in inches

PIN ONLY					
MODEL	Ø PIN	USABLE LENGTH	FOR CYLINDER MODEL		
HYSPIN1X2750	1	2.750	20AGU-10	25AGU-10	30AGU-10
HYSPIN1X2250	1	2.250	20FEM-10	25FEM-10	30FEM-10
HYSPIN125X2500	1-1/4	2.500	35FEM-10		
HYSPIN150X3250	1-1/2	3.250	40FEM-10		
HYSPIN2X4250	2	4.250	50FEM-10		
					LIST PRICE
					\$2.99
					\$2.99
					\$5.49
					\$8.99
					\$19.20

PIN & BUSHING KIT (includes 2 pins & 4 bushings)			
MODEL	Ø PIN	FOR CYLINDER MODEL	LIST PRICE
HYSHYF-35-075-K	1-1/4 to 1	35FEM-10	\$14.98
HYSHYF-40-075-ASAE-K	1-1/2 to 1	40FEM-ASAE-10	\$19.98
HYSHYF-40-075-K	1-1/2 to 1	40FEM-10	\$19.98
HYSHYF-50-075-K	2 to 1-1/2	50FEM-10	\$28.98
HYSHYM-50-075	2 to 1 3/4	50MAL-10 (2 bushings only)	\$4.25
HYSITC12-18-001	1 1/2 to 1	12ITC-10 (1 bushing only)	\$2.50

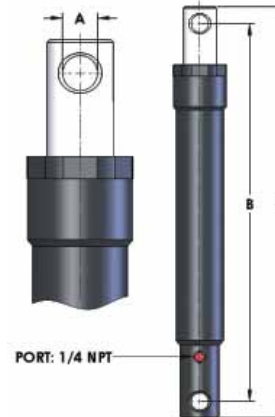
FEMALE CLEVIS			
MODEL	THREAD	FOR CYLINDER MODEL	LIST PRICE
HYSAGU-20-070	1-1/8 12UNF	20AGU-10 25AGU-10	\$20.99
HYSAGU-30-070	1-1/4 12UNF	30AGU-10 35AGU-10	\$20.99
HYSAGU-40-070	1-1/4 12UNF	40AGU-10	\$26.99

STROKE LIMITER ADJUSTABLE FROM 2 1/8" TO 5 3/16"			
MODEL	Ø ROD	FOR CYLINDER MODEL	LIST PRICE
HYSSL-1125-3000-001	1-1/8	20AGU-10 25AGU-10	\$20.58
HYSSL-1250-3000-001	1-1/4	30AGU-10 35AGU-10 40AGU-10	\$20.58
HYSSL-1250-3000-002	1-1/2 1-3/4 2	35AGU-10 40AGU-10	\$36.80

ASK FOR HY-SPEC QUALITY

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SNOW PLOW HYDRAULIC CYLINDERS

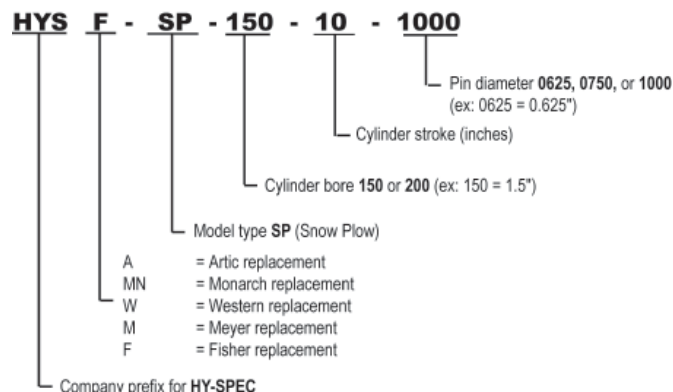


Dimensions in inches

MODEL	BORE X STROKE	Ø A PIN	B	C	WEIGHT (lb)	LIST PRICE
Fisher Replacement						
HYS F-SP-150-10-1000	1 1/2 X 10	1.000	18.750	20.500	15	\$133.50
HYS F-SP-150-12-1000	1 1/2 X 12	1.000	20.750	22.500	16	\$147.90
Meyer Replacement						
HYS M-SP-150-06-0625	1 1/2 X 6.375	0.625	12.000	13.375	10	\$114.08
HYS M-SP-150-10-0625	1 1/2 X 10.375	0.625	16.063	17.500	14	\$133.50
HYS M-SP-150-12-0625	1 1/2 X 12	0.625	18.000	19.375	15	\$147.90
HYS M-SP-200-06-0750	2 X 6	0.750	13.188	14.688	17	\$156.83
HYS M-SP-200-12-0625	2 X 12	0.625	18.000	19.375	24	\$203.48
Western Replacement						
HYS W-SP-150-06-0750	1 1/2 X 6.063	0.750	12.937	14.313	11	\$114.08
HYS W-SP-150-08-0750	1 1/2 X 8	0.750	15.250	16.625	12	\$124.05
HYS W-SP-150-10-0750	1 1/2 X 10	0.750	17.250	18.625	14	\$133.50
HYS-W-SP-150-10-1000	1 1/2 X 10	1.000	17.000	18.500	14	\$133.50
HYS-W-SP-200-10-1000	2 X 10	1.000	17.250	18.750	22	\$186.98
HYS W-SP-200-16-1000	2 X 16.375	1.000	23.625	25.125	31	\$271.80
Monarch Replacement						
HYS MN-SP-150-10-1000	1 1/2 X 10	1.000	17.000	18.625	14	\$133.50
HYS MN-SP-150-12-1000	1 1/2 X 12	1.000	19.000	20.625	15	\$147.90
Artic Replacement						
HYS A-SP-150-10-0750	1 1/2 X 10	0.750	17.000	18.500	14	\$133.50
HYS A-SP-150-12-0750	1 1/2 X 12	0.750	19.000	20.500	16	\$147.90



MODEL NUMBER FOR SP



LIMITED LIFETIME WARRANTY ON OUR CYLINDERS AGAINST ALL MANUFACTURING DEFECTS

ASK FOR HY-SPEC QUALITY

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TELESCOPIC CYLINDERS

4. Cap

Threaded, to enable easy removal for servicing.

5. Wear Ring

Glass fiber reinforced nylon, improves cylinder life by preventing side load induced metal to metal wear.

6. Rod Sections

AISI 1026 steel, each section is micro-honed inside and chrome plated outside to increase corrosion and wear resistance as well as durability. The chrome plating is 0.008" to 0.0010" thick for a final surface hardness of 69-71 Rockwell C.

7. Trunnion

With angular swivels to allow a small amount of misalignment.

8. Pin Eye

AISI 1045 Steel.
1" pin diameter standard on 7 ton.
1 1/2" pin diameter standard on 12 ton with an adapter available for 1" pin diameter.

9. Port

SAE 8

3. Bleed Screw

To allow air to be bled out of cylinder after installation.

2. Retaining Rings

A228 music wire.

1. External Tube

Steel AISI 1026.

12. Rod Seal

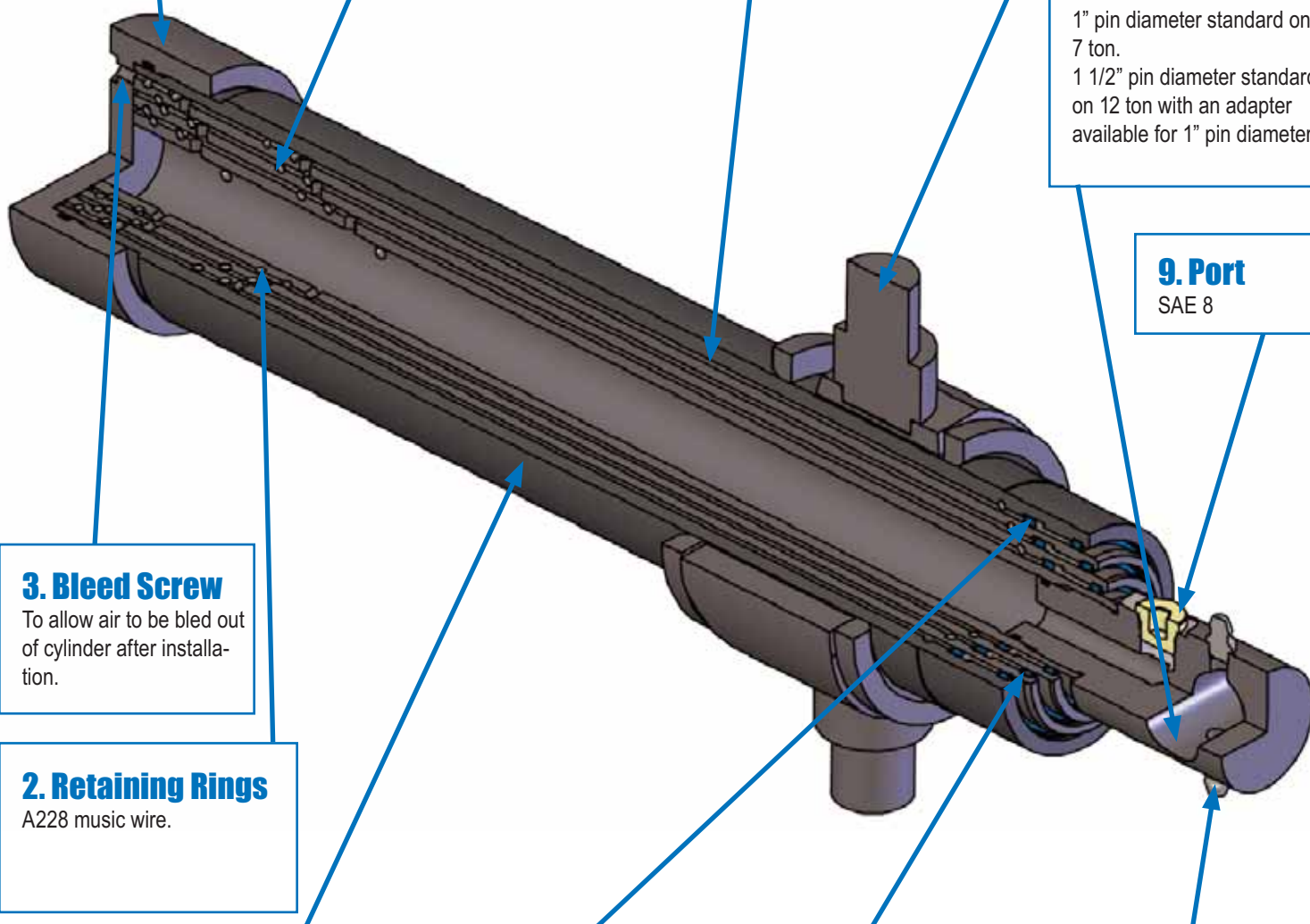
Polyurethane U-CUP, ensuring a positive seal even at high pressures and high temperatures.

11. Rod Wiper

Polyurethane, prevents contaminants from entering the cylinder, for maximum protection of internal components.

10. Grease Fittings

Two, installed opposite each other to simplify lubrication.



ASK FOR HY-SPEC QUALITY

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ITC MODEL - SPECIFICATIONS



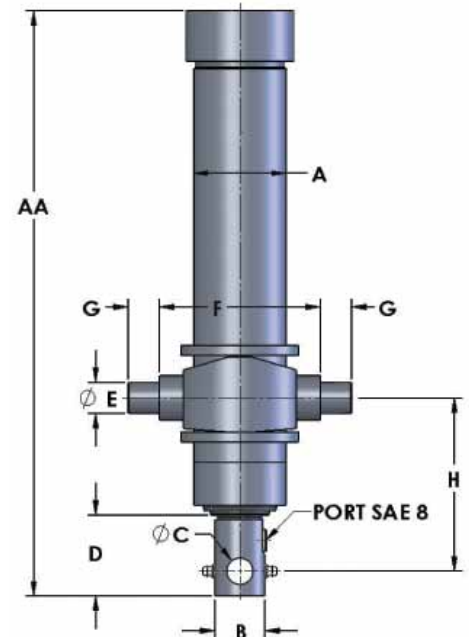
HYCO REPLACEMENT



Box brackets
See page 20



Frame brackets
See page 20



INVERTED TELESCOPIC CYLINDERS

7 ton series - 1 3/4", 2 3/8" & 3" sections - 2000 PSI

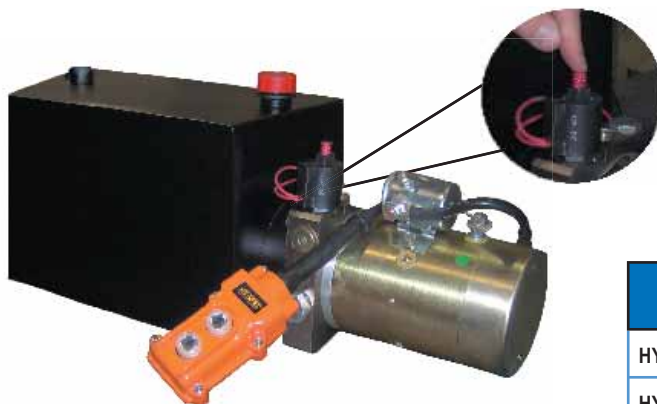
Dimensions in inches

MODEL	CAPACITY	STROKE	AA	A	B	Ø C	D	E	F	G	H	WEIGHT (lb)	LIST PRICE
HYS 07-ITC-78-3-10	7 ton	78	35 1/2	4	2	1	2 1/4	1 1/4	6 1/2	1 1/4	7	68	\$640.58
HYS 07-ITC-90-3-10	7 ton	90	39 1/2	4	2	1	2 1/2	1 1/4	6 1/2	1 1/4	7	75	\$739.38
HYS 07-ITC-108-3-10	7 ton	108	45 1/2	4	2	1	2 1/2	1 1/4	6 1/2	1 1/4	7	101	\$888.53
HYS ITC07-10	Seal Kit for 7 ton telescopic cylinder												\$45.74

12 ton series - 2 3/8", 3" & 3 5/8" sections - 2300 PSI

Dimensions in inches

MODEL	CAPACITY	STROKE	AA	A	B	Ø C	D	E	F	G	H	WEIGHT (lb)	LIST PRICE
HYS12-ITC-078-3-10	12 ton	78	34 3/4	5	2	1 & 1 1/2	2 1/4	1 1/2	7 1/2	1 1/2	7	106	\$865.77
HYS12-ITC-090-3-10	12 ton	90	38 3/4	5	2	1 & 1 1/2	2 1/4	1 1/2	7 1/2	1 1/2	7	107	\$1 002.23
HYS12-ITC-108-3-10	12 ton	108	44 3/4	5	2	1 & 1 1/2	2 1/4	1 1/2	7 1/2	1 1/2	7	132	\$1 201.87
HYS12-ITC-120-3-10	12 ton	120	48 3/4	5	2	1 & 1 1/2	2 1/4	1 1/2	7 1/2	1 1/2	7	143	\$1 332.00
HYS ITC12-10	Seal Kit for 12 ton telescopic cylinder												\$54.05



Emergency manual
Override feature

MODEL	DESCRIPTION	LIST PRICE
HYLSV2-08-2NCP-M-ID	Manual override valve	\$96.37

"Selected Power Units for Trailers"

MODEL	RECOMMENDED CAPACITY	LIST PRICE
HYSSE12H3GSMOR23-R2	7 ton	\$679.50
HYSSE12H5GSMOR23-R2	12 ton	\$693.02

LIMITED LIFETIME WARRANTY ON OUR CYLINDERS AGAINST ALL MANUFACTURING DEFECTS

ASK FOR HY-SPEC QUALITY

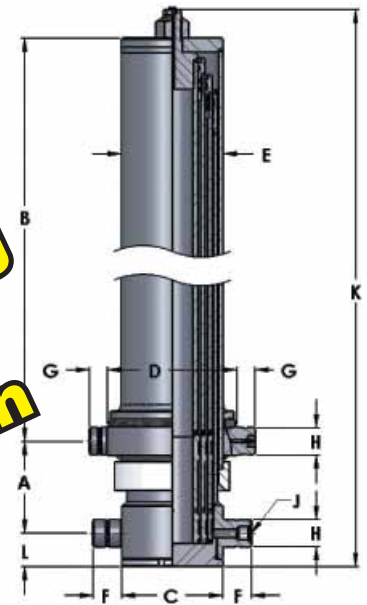
Product availability, specifications and prices are subject to change without notice. Taxes extra.

HTC MODEL - SPECIFICATIONS



MAILHOT REPLACEMENT

**Currently being field tested
Coming soon**



HOIST TELESCOPIC CYLINDERS

30 ton series - 4", 4 1/2" & 5 1/2" sections

Dimensions in inches

MODEL	CAPACITY	STROKE	A	B	C	D	E	F	G	H	PORTS J	K	L	WEIGHT (lb)	LIST PRICE
HYS 30HTC-120-3-10	30 ton	120	5 1/2	49 1/16	7	9	7 5/8	2	1 1/4	1 7/8	12 SAE	60	1 3/8	453	\$ 1944.55
HYS 30HTC-130-3-10	30 ton	130	5 1/2	49 1/16	7	9	7 5/8	2	1 1/4	1 7/8	12 SAE	60	1 3/8	448	\$ 1986.36
HYS 30HTC-140-3-10	30 ton	140	5 1/2	52 3/8	7	9	7 5/8	2	1 1/4	1 7/8	12 SAE	63 1/4	1 3/8	476	\$ 2057.45
HYSHTC30-10	Seal Kit for 30 ton telescopic cylinder														TO COME

FRAME AND BOX BRACKETS

7 ton - 12 ton - 30 ton

PART #	DESCRIPTION	LIST PRICE
HYS 712-ITS-000-10	Frame Bracket for 7 ton and 12 ton cylinder	\$144.42
HYS 007-ITS-000-10	Box Bracket for 7 ton cylinder (price each - sale by pair)	\$34.36 / each
HYS 012-ITS-000-10	Box Bracket for 12 ton cylinder (price each - sale by pair)	\$34.36 / each
HYS 030-ITS-000-10	Frame Bracket for 30 ton cylinder	TO COME
HYS 030-ITS-001-10	Box Bracket for 30 ton cylinder	TO COME

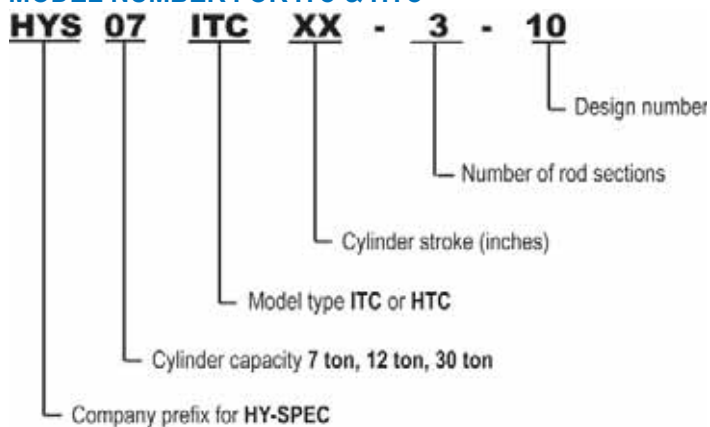


Box brackets



Frame brackets

MODEL NUMBER FOR ITC & HTC



**ALL SECTIONS
ARE CHROME
PLATED**

ASK FOR HY-SPEC QUALITY

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LIMITED LIFETIME WARRANTY



HY-SPEC CYLINDERS LIMITED LIFETIME WARRANTY

HY-SPEC HYDRAULIK, warrants its cylinders against defects in design, material and workmanship for a period equal to the life of the cylinder.

HY-SPEC HYDRAULIK, will replace free of charge any part of this product, which after inspection is deemed a manufacturing defect.

This warranty does not apply to any cylinder which has been subject to unauthorized modification, repair or alteration; an accident, improper operation or maintenance; abnormal conditions; or the wear from normal use.

HY-SPEC HYDRAULIK, shall not be liable for loss of time, manufacturing costs, labour, transport, material, loss of profits, consequential damages, direct or indirect, because of defective products.

PROCEDURES: Written permission for any warranty claim return must be first obtained from an authorized **HY-SPEC HYDRAULIK** retailer. All returns must be accompanied with the following documents: a complete written and detailed explanation of claimed defects, the circumstances of operational failure, a copy of proof of purchase (invoice) as well as the written authorization for the return. Failing these procedures, the warranty will not be applied and product will be returned to sender at their expense.

NON-STANDARD CYLINDERS

WHY DO OEM'S CHOOSE HY-SPEC FOR THEIR HYDRAULIC CYLINDERS?

There are at least 3 good reasons!

- 1. We manufacture, custom-made, high quality cylinders to match your needs!**
- 2. We are a reliable and stable supplier that cares about "JUST IN TIME DELIVERY"**
- 3. Our cylinders are unmatched in quality and price!**



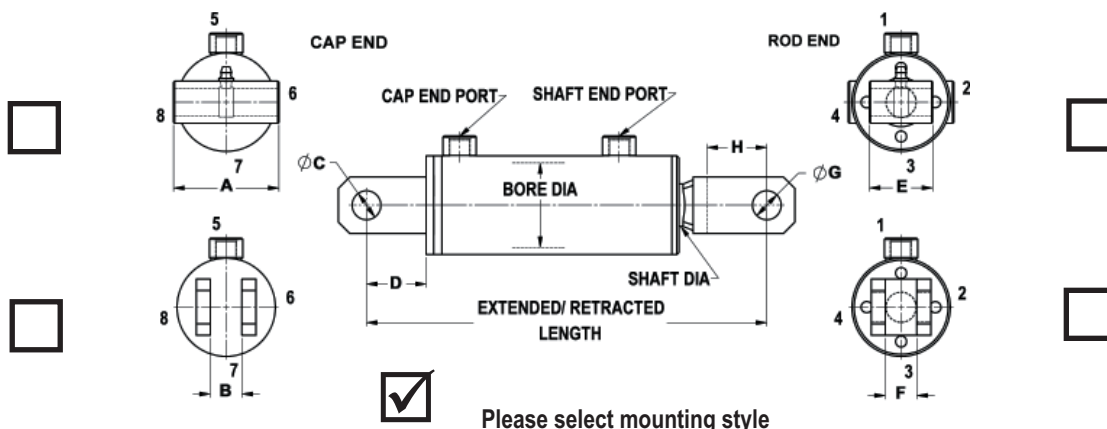
FOR SPECIAL REQUESTS PLEASE USE THE FORM ON THE NEXT PAGE

NON-STANDARD CYLINDER - ORDER FORM

HY-SPEC ref.:

Date :

NON-STANDARD CYLINDER ORDER FORM



DIMENSIONS IN INCHES

Bore _____
Stroke _____
Rod Diameter _____

Single or Double Acting _____
Retracted Length _____
Extended Length _____

CAP END

A Cap pineye Width _____
B Cap Clevis Width _____
C Cap Pin Diameter _____
D Cap Clevis Depth _____
Cap End Port Size, Type _____
Cap End Port Location _____

ROD END

E Rod pineye Width _____
F Rod Clevis Width _____
G Rod Pin Diameter _____
H Rod Clevis Depth _____
Rod End Port Size, Type _____
Rod End Port Location _____

OPERATING CONDITIONS

Cyl. Application _____
Extension Load _____
Retraction Load _____
Load Holding Req. _____
Fluid Type _____

Mounting Position _____
System Press. (PSI) _____
System Flow (GPM) _____
System Temp. (°F) _____
Cycles / Hour _____

CUSTOMER

Name _____
Contact _____
Phone _____
Fax _____
E-mail _____

BRANCH

Name _____
Contact _____
Phone _____
Fax _____
E-mail _____

QUANTITIES AND SPECIAL FEATURES

Quantities _____
Special Features _____

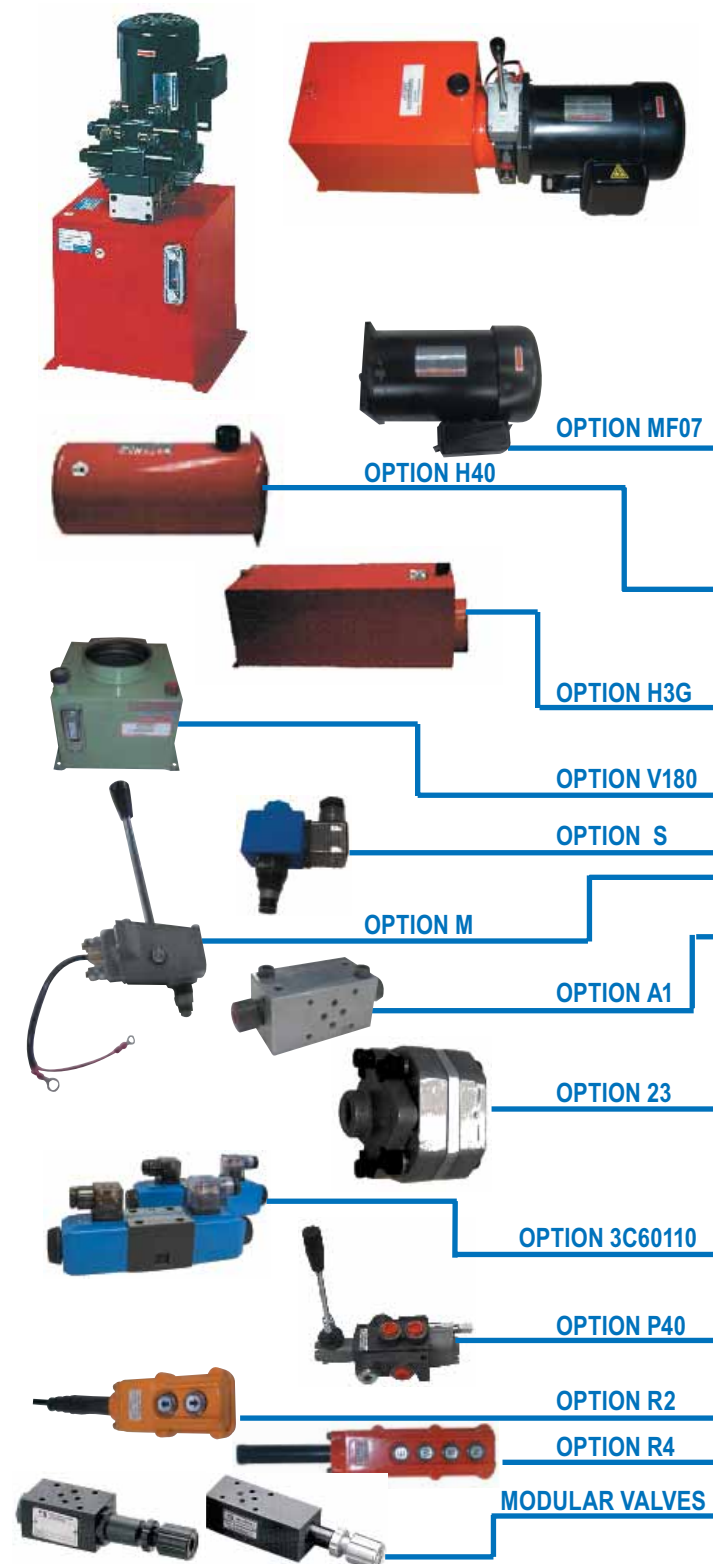
Required Date _____

N.B.: EMPTY FIELDS TO BE CONSIDERED AS STANDARD

ASK FOR HY-SPEC QUALITY

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AC POWER PACK MODEL CODE BUILDER & PRICE ESTIMATOR



DESCRIPTION	OPTION CODE	UNIT PRICE
#1 AC MOTOR		
1HP/110/220/1PH/1800 RPM	MF03	\$569.00
2HP/575V/3PH/1800 RPM	MF05-A	\$546.00
2HP/110/220/1PH/1800 RPM	MF07	\$680.00
3HP/575V/3PH/1800 RPM	MF09-A	\$639.00
3HP/220/440/3PH/3600 RPM	MF10	\$623.00
3HP/575V/3PH/3600 RPM	MF10-A	\$623.00
#2 RESERVOIR		
HORIZONTAL 4L- 7" DIA.	H40	\$72.00
HORIZONTAL 4.2L- 5 1/2" DIA.	H42	\$82.00
HORIZONTAL 5L- 7" DIA.	H50	\$76.00
HORIZONTAL 8L- 7" DIA.	H80	\$109.00
HORIZONTAL 3 GAL- 8"X8"X11 1/2"	H3G	\$189.00
HORIZONTAL 5 GAL-8"X8"X21"	H5G	\$246.00
VERTICAL 12L-10"X10"X8"	V120	\$183.00
VERTICAL 18L-12"X12"X8"	V180	\$201.00
#3 VALVE CONTROL OPTION		
SOLENOID, SINGLE ACTING	S	\$154.00
MANUAL, SINGLE ACTING	M	\$78.00
NO VALVE	N	\$7.00
MANIFOLD FOR 1 D03 VALVE	A1	\$178.00
MANIFOLD FOR 2 D03 VALVE	A2	\$622.00
#4 PUMP		
1.0 CC/REV	10	\$134.00
1.5 CC/REV	15	\$134.00
1.9 CC/REV	19	\$134.00
2.3 CC/REV	23	\$137.00
3.0 CC/REV	30	\$137.00
#5 ELECTRIC VALVE		
D03 MOTOR SPOOL, 110 VOLT	3C3110	\$180.00
D03 MOTOR SPOOL, 220 VOLT	3C3220	\$180.00
D03 CYLINDER SPOOL, 110 VOLT	3C60110	\$180.00
D03 CYLINDER SPOOL, 220 VOLT	3C60220	\$180.00
#6 MANUAL VALVE		
P40 MANUAL VALVE, 1 SECTION	P40	\$245.00
P40 MANUAL VALVE, 2 SECTION	2P40	\$401.00
#7 REMOTE CONTROL OPTION		
2 BUTTONS WITH 10' CABLE	R2	\$85.00
4 BUTTONS WITH 10' CABLE	R4	\$145.00
#8 MISC		
D03 MODULAR VALVE OPTION		P.O.R

ADD YOUR OPTIONS FOR AN ESTIMATED PRICE

BUILD YOUR CUSTOMIZED POWER UNIT

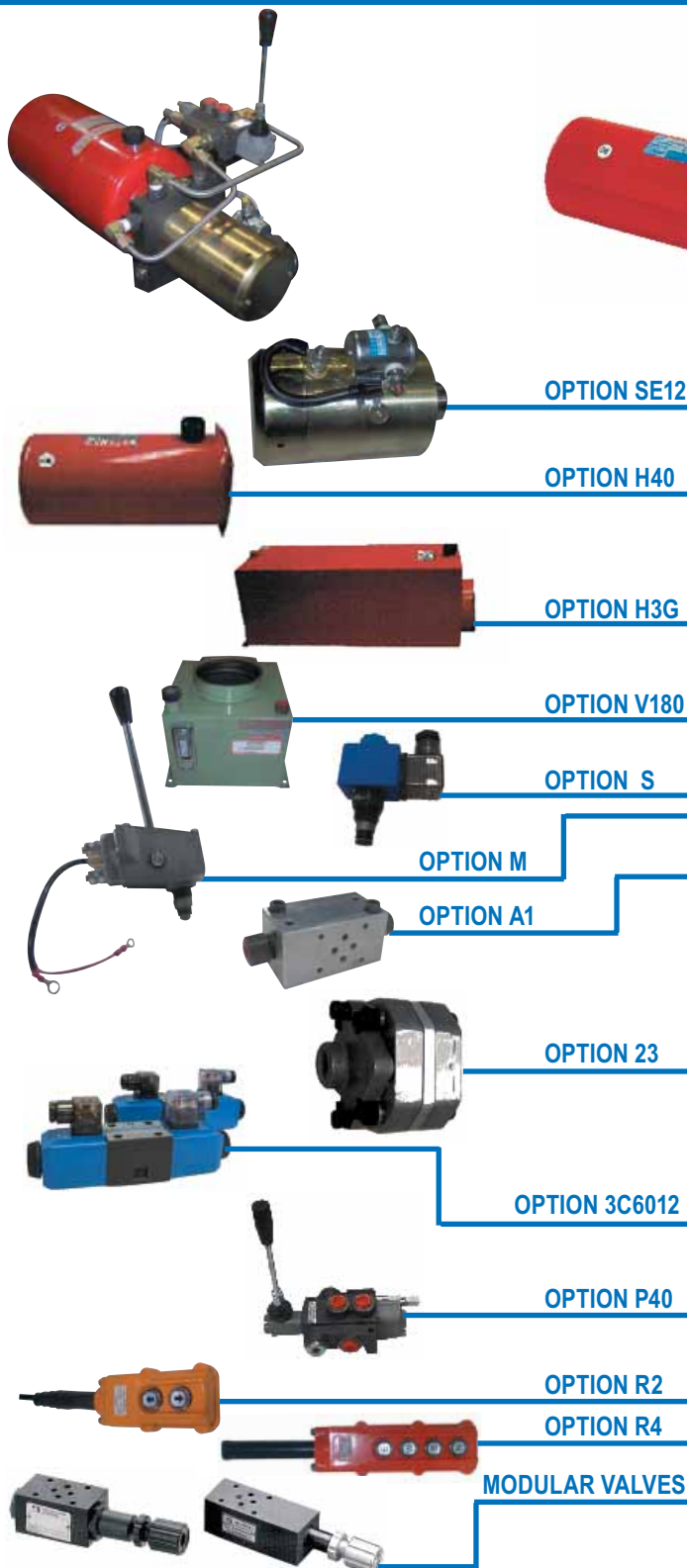
MODEL CODE EXAMPLE

HYS	#1	#2	#3	#4	AAN	#5	#6	-	#7	#8	
HYS	MF07	H5G	A1	23	AAN	3C60110		-	R2		\$1 506.00

ASK FOR HY-SPEC QUALITY

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DC POWER PACK MODEL CODE BUILDER & PRICE ESTIMATOR



DESCRIPTION	OPTION CODE	UNIT PRICE
#1 DC MOTOR		
12 VOLT, TYPE SE	SE12	\$404.00
24 VOLT, TYPE SE	SE24	\$418.00
#2 RESERVOIR		
		+
HORIZONTAL 4L- 7" DIA.	H40	\$66.00
HORIZONTAL 4.2L- 5 1/2" DIA.	H42	\$75.00
HORIZONTAL 5L- 7" DIA.	H50	\$70.00
HORIZONTAL 8L- 7" DIA.	H80	\$99.00
HORIZONTAL 3 GAL- 8"X8"X11 1/2"	H3G	\$172.00
HORIZONTAL 5 GAL-8"X8"X21"	H5G	\$225.00
VERTICAL 12L-10"X10"X8"	V120	\$167.00
VERTICAL 18L-12"X12"X8"	V180	\$183.00
#3 VALVE CONTROL OPTION		
		+
SOLENOID, SINGLE ACTING	S	\$124.00
MANUAL, SINGLE ACTING	M	\$71.00
NO VALVE	N	\$6.00
MANIFOLD FOR 1 D03 VALVE	A1	\$162.00
MANIFOLD FOR 2 D03 VALVES	A2	\$567.00
#4 PUMP		
		+
1.0 CC/REV	10	\$123.00
1.5 CC/REV	15	\$123.00
1.9 CC/REV	19	\$123.00
2.3 CC/REV	23	\$125.00
3.0 CC/REV	30	\$125.00
#5 ELECTRIC VALVE		
		+
D03 MOTOR SPOOL, 12 VOLT	3C312	\$180.00
D03 MOTOR SPOOL, 24 VOLT	3C324	\$180.00
D03 CYLINDER SPOOL, 12 VOLT	3C6012	\$180.00
D03 CYLINDER SPOOL, 24 VOLT	3C6024	\$180.00
#6 MANUAL VALVE		
		+
P40 MANUAL VALVE, 1 SECTION	P40	\$223.00
P40 MANUAL VALVE, 2 SECTION	2P40	\$366.00
#7 REMOTE CONTROL OPTION		
		+
2 BUTTONS WITH 10' CABLE	R2	\$81.00
4 BUTTONS WITH 10' CABLE	R4	\$138.00
#8 MISC		
		+
D03 MODULAR VALVE OPTION		P.O.R

BUILD YOUR CUSTOMIZED POWER UNIT

ADD YOUR OPTIONS FOR AN ESTIMATED PRICE

MODEL CODE EXAMPLE

HYS	#1	#2	#3	#4	AAN	#5	#6	-	#7	#8	
HYS	SE12	H40	M	23	AAN			-			\$666.00

ASK FOR HY-SPEC QUALITY

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GASOLINE ENGINES



**CARB approved
CE**

Standard features

- Dual element air cleaner
- Non-contact transistorized ignition
- Low level oil alert
- Recoil & electric start (optional)
- Extra long recoil cord (1.67 meters)
- Gas level gauge

SPECIFICATIONS

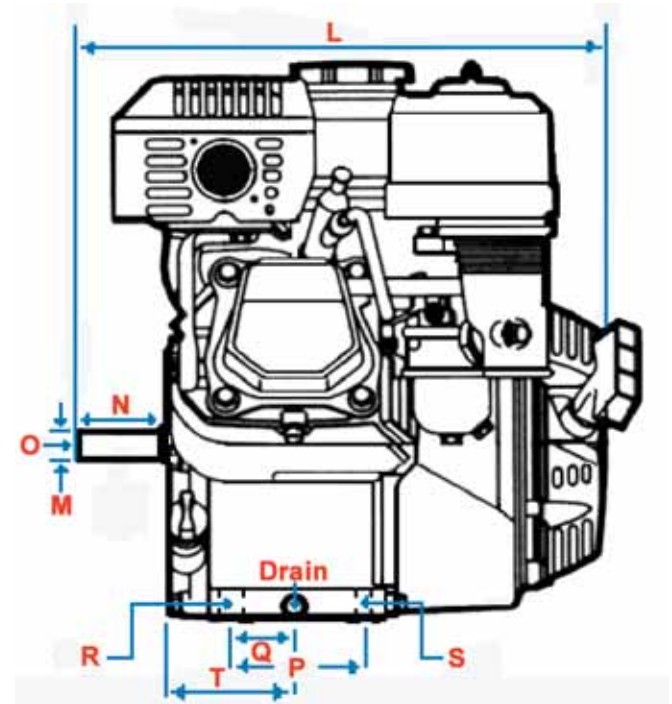
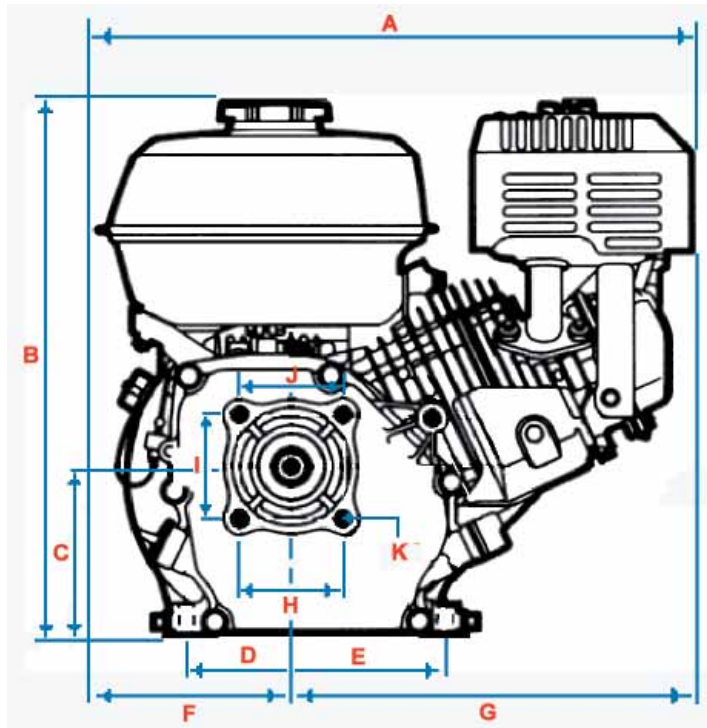
	Gas engine model	HYSJF168	HYSJF200	HYSJF240	HYSJF270	HYSJF340	HYSJF390
Performance	Engine type	4-stroke, 25 degree inclined, single cylinder, air cooled					
	Bore x Stroke (in.)	2.68 x 1.77	2.68 x 2.13	2.87 x 2.28	3.03 x 2.28	3.23 x 2.52	3.46 x 2.52
	Displacement (ml)	163	196	242	270	338	389
	Compression ratio	8.5:1	8.5:1	8.2:1	8.2:1	8.0:1	8.0:1
	Maximum output HP @ 3600 RPM	5.5	6.5	8.0	9.0	11.0	13.0
	Maximum torque lbf-ft @ 2500 RPM	8	9.6	12.3	14.0	17.3	19.5
	Noise level db(A) @ 7m	78	80	80	81	83	84
	Standard Features	Ignition system	Non-contact transistorized ignition (T.C.I)				
Start mode		Recoil and electric (optional)					
Air cleaner		Dual element					
Gas tank capacity (liter)		3.6	3.6	6	6	6.5	6.5
Engine oil capacity (liter)		0.6	0.6	1.1	1.1	1.1	1.1
Gas level gauge		Std.	Std.	Std.	Std.	Std.	Std.
Low oil alert		Std.	Std.	Std.	Std.	Std.	Std.
Crankshaft PTO	PTO Shaft dia. & key (in.)	3/4 x 3/16		1.0 x 1/4			
	PTO Shaft tapped hole	5/16-24 UNF		7/16-20 UNF			
	PTO Shaft length (in.)	2.42		3.48			
	PTO Pilot (in.)	1.625		5.75			
	PTO Shaft rotation	Counterclockwise					
General Information	Shipping dimensions L x W x H (mm)	387 x 330 x360		460 x 400 x 445		485 x 410 x 485	
	Net weight (kg)	15	16	25	26	31	32
	Gross weight (kg)	17	18	27	28	33	34

MODEL	HP	STARTING SYSTEM	LIST PRICE
HYSJF168/CX/A7/BLUE	5.5	Recoil	\$266.81
HYSJF168E/CX/A7/BLUE *	5.5	Recoil & electric	\$354.58
HYSJF200/CX/A7/BLUE	6.5	Recoil	\$280.86
HYSJF200E/CX/A7/BLUE *	6.5	Recoil & electric	\$368.62
HYSJF240/CX/A2/BLUE	8.0	Recoil	\$480.97
HYSJF240E/CX/A2/BLUE *	8.0	Recoil & electric	\$579.27
HYSJF270/CX/A2/BLUE	9.0	Recoil	\$495.01
HYSJF270E/CX/A2/BLUE *	9.0	Recoil & electric	\$593.31
HYSJF340/CX/A1/BLUE	11.0	Recoil	\$526.61
HYSJF340E/CX/A1/BLUE *	11.0	Recoil & electric	\$631.93
HYSJF390/CX/A1/BLUE	13.0	Recoil	\$540.65
HYSJF390E/CX/A1/BLUE *	13.0	Recoil & electric	\$645.97

* with electric start - Battery not included

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GASOLINE ENGINE - DIMENSIONS



Dimensions in inches

N.B. May not be exactly as shown

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R (w x l)	Ø S	T	
HYSJF168/CX/A7/BLUE	14.25	12.75	4.75	2.63	3.75	4.75	9.50	2.57	2.75	2.75	5/16-24 NF X 0.56 DP	12.50	0.75	2.42	5/16-24 NF X 0.63 DP	3.13	1.50	0.375 X 0.55	0.38	3.00	
HYSJF168E/CX/A7/BLUE	16.50																				
HYSJF200/CX/A7/BLUE	14.25																				
HYSJF200E/CX/A7/BLUE	16.50																				
HYSJF240/CX/A2/BLUE	17.00	16.00				6.25	10.75				3/8-16 NC X 0.69 DP	15.00		1.00	3.48	7/16-20 NF X 1.13 DP	3.50	1.25	0.44 X 0.95		3.83
HYSJF240E/CX/A2/BLUE	19.00																				
HYSJF270/CX/A2/BLUE	17.00																				
HYSJF270E/CX/A2/BLUE	19.00																				
HYSJF340/CX/A1/BLUE	18.00	16.75	5.25	3.50	4.25			4.60	5.12	3.25		16.00					3.75	1.00	0.44 X 1.25		4.25
HYSJF340E/CX/A1/BLUE	20.25																				
HYSJF390/CX/A1/BLUE	18.00																				
HYSJF390E/CX/A1/BLUE	20.25																				

HY-SPEC GAS PRODUCTS LIMITED WARRANTY

HY-SPEC HYDRAULIK, warrants its GAS PRODUCTS against defects in design, material and workmanship for a period of:

- 6 months for commercial use
- 12 months for non commercial use

HY-SPEC

HYDRAULIK



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GENERATORS



Standard features

- Automatic voltage regulator
- 12 VDC / 120 VAC / 240 VAC (HYSJD6500 only)
- Low level oil alert
- Recoil / electric start (HYSJD6500 only)
- Voltmeter
- Two wheel kit with tow handle
- Gas level gauge

SPECIFICATIONS				
Generator	Generator model	HYSJD2000	HYSJD3000	HYSJD6500
	Type	Brush		
	Voltage regulator	AVR		
	Frequency (Hz)	60Hz		
	Rated AC voltage (volts)	120	120	120/240
	AC Circuit breaker	15 Amp	25 Amp	23 Amp / 46 Amp
	Rated AC output (watts)	1700	3000	5500
	Peak AC output (watts)	2000	3500	6500
	DC output (volts)	12	12	12
	DC output (amps)	10	10	10
Engine	Engine model	HYSJF168	HYSJF200	HYSJF390
	Engine (HP)	5.5	6.5	13
	Electronic ignition	Std.	Std.	Std.
	Low level oil alert	Std.	Std.	Std.
	Gas tank capacity (liter)	15	15	25
	Continuous operating hours (hour)	13	11	9
	Starting system	Recoil		Recoil & electric
	Noise level db(A) @ 7m	67	67	72
	Oil change interval (hours)	100	100	100
Standard Features	Gas level gauge	Std.	Std.	Std.
	Engine switch	Std.	Std.	Std.
	Voltmeter	Std.	Std.	Std.
	AC 120 volt 20 amp receptacles	2 Std.	2 Std.	4 Std.
	AC 120 volt 25 amp twist lock receptacle	Std.	Std.	N/A
	AC 120/240 volt 30 amp twist lock receptacle	N/A	N/A	Std.
	Two wheel kit & tow handle	Std.	Std.	Std.
General Information	Shipping dimensions L x W x H (mm)	600 x 450 x 470		700 x 535 x 590
	Net weight (kg)	39	48	82
	Gross weight (kg)	41	52	86

MODEL	DESCRIPTION	LIST PRICE
HYSJD2000W/CX/BLUE	2000 watt generator	\$578.11
HYSJD3000W/CX/BLUE	3000 watt generator	\$642.34
HYSJD6500ETW/CX/BLUE *	5500 watt generator	\$1 199.04

* with electric start - Battery not included

HY-SPEC portable generators are for field use only.
Not for domestic use.

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WATER PUMPS



EPA
CARB approved
CE

Standard features

- Centrifugal type pump
- Cast iron impeller & volute
- 550 / 1000 / 1300 Liters/minute pump output
- Low level oil alert
- NPT discharge and suction connections
- Gas level gauge



SPECIFICATIONS				
Pump	Water pump model	HYSWP20	HYSWP30	HYSWP40
	Type	Centrifugal		
	Material	Cast iron impeller & volute		
	Inlet & Outlet (NPT)	2	3	4
	Pump lift (m)	26	28	16
	Suction height (m)	8	8	8
	Output flow (liter/minute)	550	1000	1300
	Maximum pressure (PSI)	37	40	22
Engine	Engine model	HYSJF168	HYSJF200	HYSJF240
	Engine (HP)	5.5	6.5	8
	Electronic ignition	Std.	Std.	Std.
	Low level oil alert	Std.	Std.	Std.
	Gas tank capacity (liter)	3.6	3.6	6
	Continuous operating hours (hour)	2.8	2.4	2.4
	Starting system	Recoil		
	Noise level db(A) @ 7m	78	80	80
General Information	Gas level gauge	Std.	Std.	Std.
	Shipping dimensions	475 x 385 x 450	515 x 385 x 450	635 x 445 x 550
	Net weight (kg)	27	30	47
	Gross weight (kg)	29	32	49

MODEL	TYPE	DESCRIPTION	LIST PRICE
HYSWP20/CX/BLUE	-	2" Water pump	\$351.07
HYSWP30/CX/BLUE	-	3" Water pump	\$382.67
HYSWP40/CX/BLUE	-	4" Water pump	\$709.16
HYSCA-A200A	A	Cam lock - Type A Male adapter x Female thread - 2 NPT	\$4.49
HYSCA-A300A	A	Cam lock - Type A Male adapter x Female thread - 3 NPT	\$11.68
HYSCA-A400A	A	Cam lock - Type A Male adapter x Female thread - 4 NPT	\$18.86
HYSCA-C200A	C	Cam lock - Type C Female coupler x Hose barb - 2"	\$8.99
HYSCA-C300A	C	Cam lock - Type C Female coupler x Hose barb - 3"	\$24.70
HYSCA-C400A	C	Cam lock - Type C Female coupler x Hose barb - 4"	\$35.01
HYSCA-E200A	E	Cam lock - Type E Male adapter x Hose barb - 2"	\$4.94
HYSCA-E300A	E	Cam lock - Type E Male adapter x Hose barb - 3"	\$14.49
HYSCA-E400A	E	Cam lock - Type E Male adapter x Hose barb - 4"	\$23.46
HYSCA-F200A	F	Cam lock - Type F Male adapter x Male thread - 2 NPT	\$5.24
HYSCA-F300A	F	Cam lock - Type F Male adapter x Male thread - 3 NPT	\$13.98
HYSCA-F400A	F	Cam lock - Type F Male adapter x Male thread - 4 NPT	\$25.48
HYSCA-AA200A	AA	Cam lock - Type AA Male adapter x Male adapter - 2"	\$12.63
HYSCA-AA300A	AA	Cam lock - Type AA Male adapter x Male adapter - 3"	\$24.01
HYSCA-AA400A	AA	Cam lock - Type AA Male adapter x Male adapter - 4"	\$40.07
HYSCA-DC200A	DC	Cam lock - Type DC Female dust cap - 2"	\$7.07
HYSCA-DC300A	DC	Cam lock - Type DC Female dust cap - 3"	\$16.79
HYSCA-DC400A	DC	Cam lock - Type DC Female dust cap - 4"	\$24.47
HYSCA-DP200A	DP	Cam lock - Type DP Male dust plug - 2"	\$3.42
HYSCA-DP300A	DP	Cam lock - Type DP Male dust plug - 3"	\$8.23
HYSCA-DP400A	DP	Cam lock - Type DP Male dust plug - 4"	\$14.31
HYSS-RH200	RH	Strainer 2 NPT	\$7.99
HYSS-RH300	RH	Strainer 3 NPT	\$13.49
HYSS-RH400	RH	Strainer 4 NPT	\$14.99
HYSCP-TB200P	TB	Clamp single T-Bolt 2"	\$3.24
HYSCP-TB300P	TB	Clamp single T-Bolt 3"	\$4.39
HYSCP-TB400P	TB	Clamp single T-Bolt 4"	\$4.96
HYSKCN-200P	KCN	Cam lock - Type KCN Male thread x Hose barb - 2 NPT	\$3.52
HYSKCN-300P	KCN	Cam lock - Type KCN Male thread x Hose barb - 3 NPT	\$10.81
HYSKCN-400P	KCN	Cam lock - Type KCN Male thread x Hose barb - 4 NPT	\$16.84
HYSCGSK-200N	CGSK	Gasket BUNA-N 2"	\$0.43
HYSCGSK-300N	CGSK	Gasket BUNA-N 3"	\$0.76
HYSCGSK-400N	CGSK	Gasket BUNA-N 4"	\$1.01
HYSPHCLAC-200	-	Discharge hose assembly 50' - 2"	\$41.40
HYSPHCLAC-300	-	Discharge hose assembly 50' - 3"	\$69.99
HYSPHCLAC-400	-	Discharge hose assembly 50' - 4"	\$104.99
HYSHV0432GSS	-	Suction hose - 2"	\$1.79/ft.
HYSHV0448GSS	-	Suction hose - 3"	\$2.79/ft.
HYSHV0464GSS	-	Suction hose - 4"	\$3.79/ft.

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GAS POWER PACK & LOG SPLITTER KITS



Gasoline Engine (see page 26)



Jaw coupling (see page 48)



Pump adapter (see page 31)

Hi-Low gear pump (see page 32)

**"HY-SPEC is the best choice
for all your log splitter needs!"**



Filler breather (see page 55)



HYS40FEM24-10 Cylinder (see page 11)



Log splitter control valve (see page 33)

N.B. Not assembled

MODEL	DESCRIPTION	LIST PRICE
HYS6.5HP/11GPM POWER PACK	6.5 HP engine, 11 GPM hi-low pump, power pack only	\$522.62
HYS9.0HP/16GPM POWER PACK	9.0 HP engine, 16 GPM hi-low pump, power pack only	\$773.77
HYS6.5HP LOG SPLITTER KIT	6.5 HP engine, 11 GPM hi-low pump, power pack with valve, cylinder and breather	\$1 056.08
HYS9.0HP LOG SPLITTER KIT	9.0 HP engine, 16 GPM hi-low pump, power pack with valve, cylinder and breather	\$1 307.23

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PUMP ADAPTERS



ELECTRIC MOTOR ADAPTERS

Dimensions in inches

MODEL	FRAME SIZE	MOTOR BOLT CIRCLE	PUMP PILOT*	PUMP PILOT DIAMETER	FACE TO FACE LENGTH	WEIGHT (lb)	LIST PRICE
HYSPAE-56C-4F17-425	56C	5.875	4F17 & SAE-AA	1.78 & 2	4.25	3.2	\$34.99
HYSPAE-56C-SAEA-425	56C	5.875	SAE-A	3.25	4.25	2.8	\$34.99
HYSPAE-184TC-4F17-525	184TC	7.25	4F17 & SAE-AA	1.78 & 2	5.25	5.8	\$54.99
HYSPAE-184TC-SAEA-500	184TC	7.25	SAE-A	3.25	5.00	5.6	\$54.99

* Remove bushing from 4F17 (1.78") for SAE-AA (2") pilot



GAS ENGINE ADAPTERS

Dimensions in inches

MODEL	FRAME SIZE	ENGINE BOLT CIRCLE	PUMP PILOT*	PUMP PILOT DIAMETER	FACE TO FACE LENGTH	WEIGHT (lb)	LIST PRICE
HYSPAG-5.5/6.5HP-4F17-443	5.5 & 6.5 HP	3.625	4F17 & SAE-AA	1.78 & 2	4.43	1.9	\$37.99
HYSPAG-5.5/6.5HP-SAEA-480	5.5 & 6.5 HP	3.625	SAE-A	3.25	4.80	2.0	\$54.99
HYSPAG-8/20HP-4F17-575	8.0 to 20 HP	6.5	4F17 & SAE-AA	1.78 & 2	5.75	4.3	\$54.99
HYSPAG-8/20HP-SAEA-575	8.0 to 20 HP	6.5	SAE-A	3.25	5.75	4.4	\$84.99

* Remove bushing from 4F17 (1.78") for SAE-AA (2") pilot



FOOT BRACKETS

Dimensions in inches

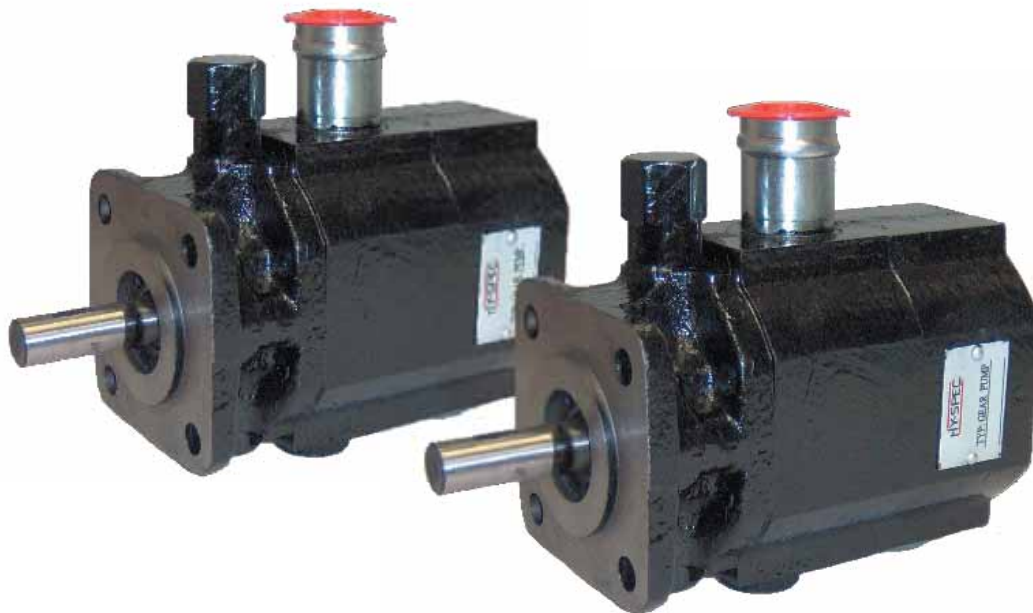
MODEL	PUMP PILOT	PUMP PILOT DIAMETER	SHAFT HEIGHT	WEIGHT (lb)	LIST PRICE
HYSPAF-4F17-356	4F17	1.78	3.56	1.2	\$39.99
HYSPAF-SAEA-400	SAE-A	3.25	4.00	2.2	\$19.99

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HYDRAULIC HI-LOW GEAR PUMPS

P11 & P16 Series



GENERAL DESCRIPTION

The P11 and P16 hydraulic gear pumps work in two stages:

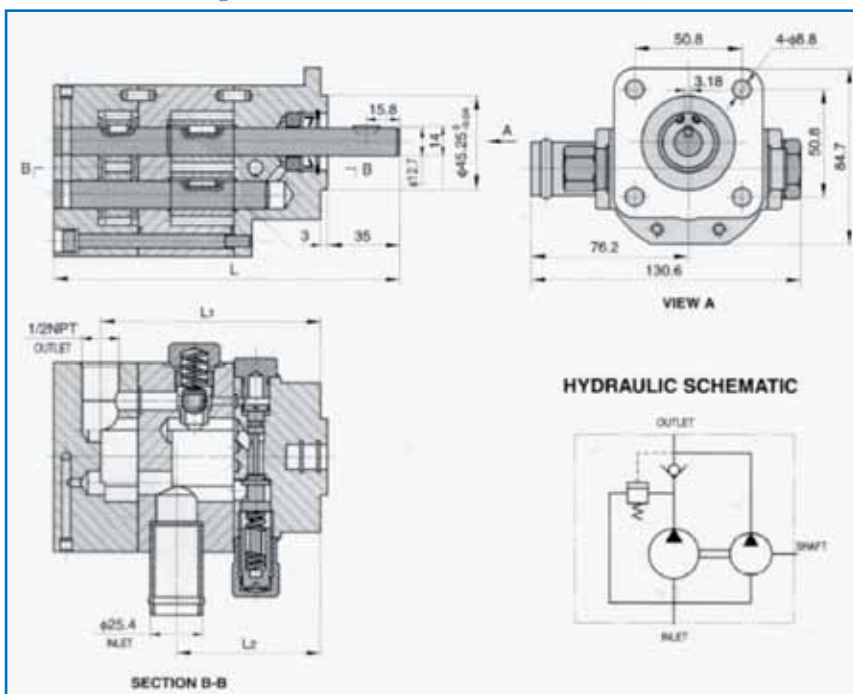
- Large displacement at low pressure
- Small displacement at high pressure

They are made up of two gear sections, separated by a check valve and an unloading valve.

With low pressure both sections are available for maximum flow.

When pressure increases the large gear section unloads to the inlet leaving the small gear section supplying oil to the system reducing the HP required to drive the pump.

The P11 and P16 hydraulic gear pumps are commonly used for log splitters and other similar applications.



MODEL	FLOW NOMINAL (GPM)	DISPLACEMENT (in. ³ /rev.)		PRESSURE (PSI)		MAX. RPM	PILOT	Ø SHAFT X KEY (in.)	IN (in.)	OUT	DIMENSIONS (in.)			WEIGHT (lb)	LIST PRICE
		HIGH PRESSURE	LOW PRESSURE	UNLOAD	WORK						L	L1	L2		
HYS P11-2S-CW	11	0.21	0.53	Range: 400 - 900 Preset: 650	3000	3600	4F17	1/2 X 1/8	1-tube	1/2 NPT	6.610	4.236	2.740	9	\$179.99
HYS P16-2S-CW	16	0.25	0.77								6.970	4.590	3.090		\$199.99

ASK FOR HY-SPEC QUALITY

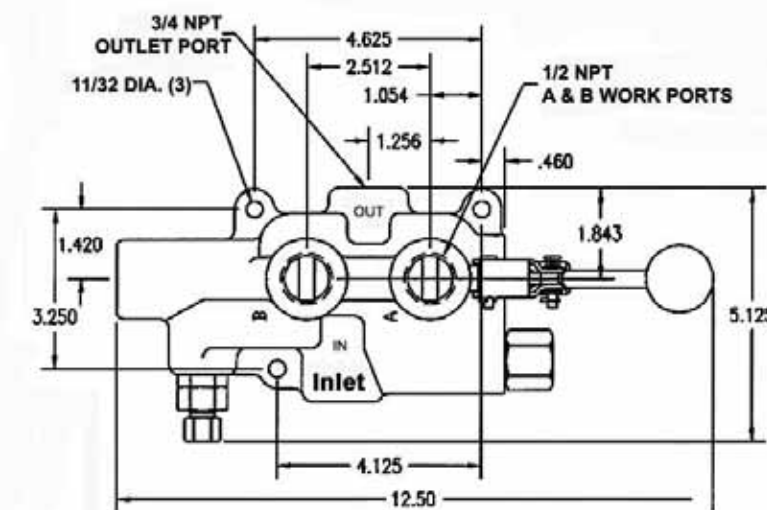
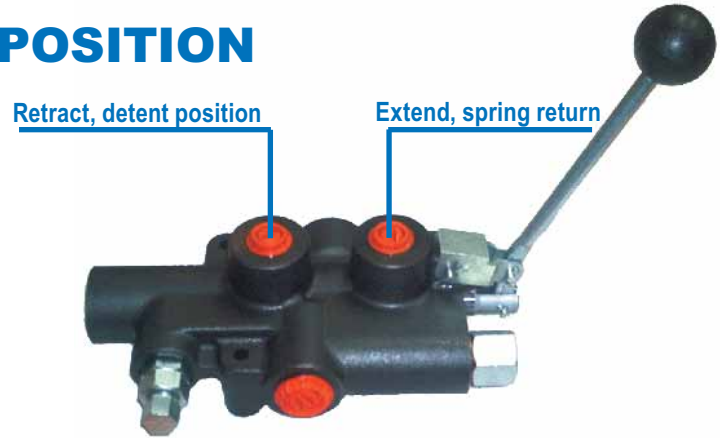
Product availability, specifications and prices are subject to change without notice. Taxes extra.

LOG SPLITTER CONTROL VALVE

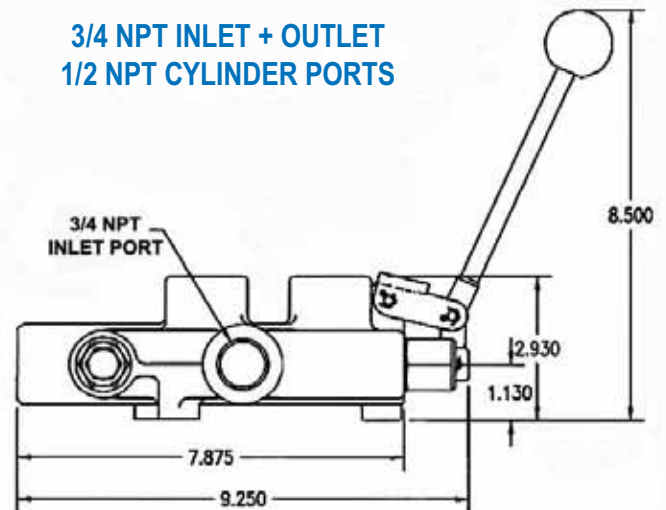
22 GPM

4 WAY - 3 POSITION

- Recommended filtration: 10 MICRON
- Ambient temperature range: -40°C TO 60°C
- Ports IN, A & B: 3625 PSI
- Port OUT: 750 PSI
- Relief Pressure range: 725 PSI - 3625 PSI



3/4 NPT INLET + OUTLET
1/2 NPT CYLINDER PORTS



STANDARD FEATURES

- Handle can be installed in "up" or "down" position
- This valve has 3 positions:
 - 1 position detent with pressure release
 - 1 position spring return to neutral
 - 1 position neutral
- Detent release pressure adjustable from 1000 to 2000 PSI
- Tandem center spool

MODEL	DESCRIPTION	INLET/ OUTLET	CYLINDER PORTS	MAX. FLOW (GPM)	MAX. PRESSURE	WEIGHT (lb)	LIST PRICE
HYS P80LS	Log splitter control valve	3/4 NPT	1/2 NPT	22	3625	10	\$150.00

ASK FOR HY-SPEC QUALITY

Product availability, specifications and prices are subject to change without notice. Taxes extra.

DIRECTIONAL CONTROL VALVES - P40



40 LITERS - 11 GPM

RATED PRESSURE

■ Ports P, A & B	3625 PSI
■ Outlet T	750 PSI
■ Relief valve pressure range	725 - 3625 PSI
■ Ambient temperature range	-40°C to 60°C

PORT SIZES

■ A-B	SAE 8
■ P-T-N	SAE 10

BASIC VALVES - P40

MODEL	DESCRIPTION	WEIGHT (lb)	LIST PRICE
HYS P40-A1-SKZ1	P-40, 1 spool, double acting	5	\$131.25
HYS 02P40-1A1A1-SKZ1	P-40, 2 spool, double acting	9	\$210.00
HYS 03P40-1A1A1A1-SKZ1	P-40, 3 spool, double acting	13	\$288.75
HYS 04P40-1A1A1A1A1-SKZ1	P-40, 4 spool, double acting	15	\$375.00
HYS 05P40-1A1A1A1A1A1-SKZ1	P-40, 5 spool, double acting	19	\$457.50
HYS 06P40-1A1A1A1A1A1A1-SKZ1	P-40, 6 spool, double acting	22	\$551.25
HYS 07P40-1A1A1A1A1A1A1A1-SKZ1	P-40, 7 spool, double acting	25	\$637.50

CONVERSION PARTS - P40

PART #	DESCRIPTION	OPTION CODE	LIST PRICE
SPOOLS			
HYS P40-SA	Cylinder spool	A	\$13.35
HYS P40-SB	Single acting port A	B	\$26.85
HYS P40-SC	Single acting port B	C	\$13.35
HYS P40-SD	Motor spool	D	\$13.35
HYS P40-SK	Four position float (use with spool attachment code 16)	K	\$33.75
SPOOL ATTACHMENT OPTIONS			
HYS P40-1	3 position spring return to neutral	1	\$12.75
HYS P40-2	1 position detent spool 'out' spring center to neutral	2	\$29.40
HYS P40-3	1 position detent spool 'in' spring center to neutral	3	\$29.40
HYS P40-4	2 position spring center (no spool 'out' position)	4	\$12.75
HYS P40-5	2 position spring center (no spool 'in' position)	5	\$12.75
HYS P40-6	2 position spring offset 'out' (no 'neutral' position)	6	\$12.75
HYS P40-7	2 position spring offset 'in' (no 'neutral' position)	7	\$12.75
HYS P40-8	3 position detent	8	\$21.23
HYS P40-9	2 position detent (no spool 'in' position)	9	\$21.23
HYS P40-10	2 position detent (no spool 'out' position)	10	\$21.23
HYS P40-11	2 position detent (no 'neutral' position)	11	\$21.23
HYS P40-16	3 position spring center with float detent (for spool code K)	16	\$31.50
VARIOUS			
HYS P40-M50	Electric Microswitch "Omron"	E	\$23.40
HYS P40-CCP	Closed center plug	C	\$7.50
HYS P40-CO	Power beyond sleeve	C2	\$11.25
HYSP40-SEAL-KIT	Seal kit		\$5.63
HYSP40/P80-JSBOOTS	Joystick replacement boot		\$15.96
HANDLE/ACTUATOR OPTIONS			
HYS P40-M8	Lever only		\$7.50
HYS P40JS	2 spool Joystick	JS	\$148.50
HYS P40-PC	Pneumatic Actuator	P	\$82.50
HYS P40-HC	Hydraulic Actuator	N	\$82.50
HYS P40-KZ	Lever Actuator kit (Lever not included)	KZ1	\$12.68

See Model number identification pages 36-37

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DIRECTIONAL CONTROL VALVES - P80



80 LITERS - 22 GPM

RATED PRESSURE

■ Ports P, A & B	3625 PSI
■ Outlet T	750 PSI
■ Relief valve pressure range	725 - 3625 PSI
■ Ambient temperature range	-40°C to 60°C

PORT SIZES

■ P-A-B	SAE 10
■ T-N	SAE 12

BASIC VALVES - P80

MODEL	DESCRIPTION	WEIGHT (lb)	LIST PRICE
HYS P80-A1-SKZ1	P-80, 1 spool, double acting	8	\$210.00
HYS 2P80-1A1A1-SKZ1	P-80, 2 spool, double acting	16	\$322.50
HYS 3P80-1A1A1A1-SKZ1	P-80, 3 spool, double acting	21	\$442.50
HYS 4P80-1A1A1A1A1-SKZ1	P-80, 4 spool, double acting	25.7	\$577.50
HYS 5P80-1A1A1A1A1A1-SKZ1	P-80, 5 spool, double acting	31	\$690.00
HYS 6P80-1A1A1A1A1A1A1-SKZ1	P-80, 6 spool, double acting	35.6	\$810.00

CONVERSION PARTS - P80

PART #	DESCRIPTION	OPTION CODE	LIST PRICE
SPOOLS			
HYS P80-SA	Cylinder spool	A	\$15.90
HYS P80-SB	Single acting port A	B	\$15.90
HYS P80-SC	Single acting port B	C	\$15.90
HYS P80-SD	Motor spool	D	\$15.90
HYS P80-SL	Four position float (use with spool attachment code 12)	K	\$23.31
SPOOL ATTACHMENT OPTIONS			
HYS P80-1	3 position spring return to neutral	1	\$12.75
HYS P80-2	1 position detent spool 'out' spring center to neutral	2	\$29.40
HYS P80-3	1 position detent spool 'in' spring center to neutral	3	\$29.40
HYS P80-4	2 position spring center (no spool 'out' position)	4	\$12.75
HYS P80-5	2 position spring center (no spool 'in' position)	5	\$12.75
HYS P80-6	2 position spring offset 'out' (no 'neutral' position)	6	\$12.75
HYS P80-7	2 position spring offset 'in' (no 'neutral' position)	7	\$12.75
HYS P80-8	3 position detent	8	\$21.23
HYS P80-9	2 position detent (no spool 'in' position)	9	\$21.23
HYS P80-10	2 position detent (no spool 'out' position)	10	\$21.23
HYS P80-11	2 position detent (no 'neutral' position)	11	\$21.23
HYS P80-12	3 position spring center with float detent (for spool code K)	12	\$31.50
VARIOUS			
HYS P80-M50	Electric Microswitch "Omron"	E	\$23.40
HYS P80-CCP	Closed center plug	C	\$8.63
HYS P80-CO	Power beyond sleeve	C2	\$12.38
HYSP80-SEALKIT	Seal kit		\$5.63
HYSP40/P80-JSBOOTS	Joystick replacement boot		\$15.96
HANDLE/ACTUATOR OPTIONS			
HYS P80-M10	Lever only		\$7.50
HYS P80JS	2 spool Joystick	JS	\$148.50
HYS P80-PC	Pneumatic Actuator	P	\$82.50
HYS P80-HC	Hydraulic Actuator	N	\$82.50
HYS P80-KZ	Lever Actuator kit (Lever not included)	KZ1	\$12.68

See Model number identification pages 36-37

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DIRECTIONAL CONTROL VALVE ASSEMBLY NUMBER

HYS

0

2P

40

-

1

B

1

Omit	CONTROL VALVE WITH INDIVIDUAL CHECK VALVES
0 -	CONTROL VALVE WITH COMMON CHECK VALVES

→ P40 only

CODE	NUMBER OF SPOOLS
P	1
2P	2
3P	3
4P	4
5P	5
6P	6
7P	7 (P40 only)

Model 40
11 GPM
Model 80
22 GPM

CODE	CIRCUIT TYPE
1	PARALLEL CIRCUIT
2	TANDEM CIRCUIT

SPOOL TYPE	
A *	
B *	
C *	
D *	
E	
F	
G	
H	
M	
N	
O	
P	
Q	
R	
S	
T	
K	
L *	

CODE	SPOOL CONTROL
1 *	1 0 2
2 *	1 0 2
3 *	1 0 2
4	0 2
5	1 0
6	1 2
7	1 2
8 *	1 0 2
9	1 0
10	0 2
11	1 2
12 *	1 0 2 3
16 *	3 1 0 2

→ P80 only

→ P40 only

→ P40 only to be used with spool control #16

→ P80 only to be used with spool control #12

*** Popular Option**

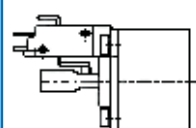
ASK FOR HY-SPEC QUALITY

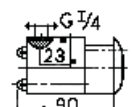
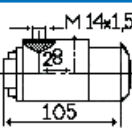
Product availability, specifications and prices are subject to change without notice. Taxes extra.

DIRECTIONAL CONTROL VALVE ASSEMBLY NUMBER

A **1** **-** **S** **KZ1** **H** **E** **C2** **-** **11**

CODE	CONVERSION ADAPTERS	
C	CLOSED CENTER	
C2	POWER BEYOND	

CODE	OPTIONAL MICROSWITCH	
E	OMRON ELECTRIC MICROSWITCH MODEL V 165 I C5	

CODE	OPTIONAL OPERATING FEATURES	
P	PNEUMATIC OPERATION	
H	HYDRAULIC OPERATION	

CODE	HANDLE CONFIGURATION
KZ1	STANDARD HANDLE ASSEMBLY (includes lever)
JS	JOYSTICK OPTION

CODE	MODEL	STANDARD THREADED PORTS		
		A - B	P	T . N
S	P40	SAE 8	SAE 10	SAE 10
S	P80	SAE 10	SAE 12	SAE 12

Spool control # 2

Spool # 2

ASK FOR HY-SPEC QUALITY

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SELECTOR VALVES ELECTRIC CONTROL



SELECTOR VALVES ELECTRIC CONTROL 3 WAY / 2 POSITION

MODEL	DESCRIPTION	SCHEMATIC	PORT SIZE	VOLTAGE (Volts DC)	MAX. FLOW (GPM)	MAX. OPER. PRESSURE (PSI)	WEIGHT (lb)	LIST PRICE
HYSL705C113AIOB010	3W/2P Selector		8 SAE	12	15.85	3625	4.5	\$229.06
HYSL705C113AIOC010	3W/2P Selector		8 SAE	24	15.85	3625	4.5	\$229.06
HYSL705C113DIOB010	3W/2P Selector		8 SAE	12	15.85	3625	4.5	\$241.38
HYSL705C113DIOC010	3W/2P Selector		8 SAE	24	15.85	3625	4.5	\$241.38
HYSL706E143AIOB010	3W/2P Selector		12 SAE	12	37	3625	12.75	\$374.41
HYSL706E143AIOC010	3W/2P Selector		12 SAE	24	37	3625	12.75	\$374.41
HYSL706E143DIOB010	3W/2P Selector		12 SAE	12	37	3625	12.75	\$397.79
HYSL706E143DIOC010	3W/2P Selector		12 SAE	24	37	3625	12.75	\$397.79



SELECTOR VALVES ELECTRIC CONTROL 6 WAY / 2 POSITION

MODEL	DESCRIPTION	SCHEMATIC	PORT SIZE	VOLTAGE (Volts DC)	MAX. FLOW (GPM)	MAX. OPER. PRESSURE (PSI)	WEIGHT (lb)	LIST PRICE
HYSL721C116AIOB010	6W/2P Selector		8 SAE	12	15.85	3625	5.1	\$243.83
HYSL721C116AIOC010	6W/2P Selector		8 SAE	24	15.85	3625	5.1	\$243.83
HYSL753E146AIOB010	6W/2P Selector		12 SAE	12	37	3625	14.52	\$465.64
HYSL753E146AIOC010	6W/2P Selector		12 SAE	24	37	3625	14.52	\$465.64
HYSL755610601OB010	6W/2P Selector		1" BSP	12	58	3625	33.4	\$1397.81
HYSL755610601OC010	6W/2P Selector		1" BSP	24	58	3625	33.4	\$1397.81

ASK FOR HY-SPEC QUALITY

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SELECTOR VALVES ELECTRIC CONTROL



MODULAR SELECTOR VALVES ELECTRIC CONTROL 6 WAY / 2 POSITION

MODEL	DESCRIPTION	SCHEMATIC	PORT SIZE	VOLTAGE (Volts DC)	MAX. FLOW (GPM)	MAX. OPER. PRESSURE (PSI)	WEIGHT (lb)	LIST PRICE
HYSL745D136BIOB010	6W/2P Selector		10 SAE	12	24	3625	9	\$305.10
HYSL745D136BIOC010	6W/2P Selector		10 SAE	24	24	3625	9	\$305.10

N.B. THE DIN 43650 CONNECTORS ARE NOT INCLUDED WITH OUR SELECTOR VALVES

STACKING BOLT / TIE-ROD INFORMATION

Number of section	Valve assy width	Bolt / Tie-rod size	Type	Torque
1 Section	66mm	N/A	N/A	N/A
2 Section	132mm	M8 x 125	Bolt	17Nm
3 Section	198mm	M8 x 190	Bolt	17Nm
4 Section	264mm	M8 x 270	Tie-rod	17Nm
5 Section	330mm	M8 x 330	Tie-rod	17Nm

ACCESSORIES & SPARE PARTS FOR SELECTOR VALVES

MODEL	DESCRIPTION	VOLTAGE (Volts DC)	LIST PRICE
HYS271-0520	Coil for L705 / L721	12	\$29.54
HYS271-0521	Coil for L705 / L721 24	24	\$29.54
HYS281-0617	Coil for L706 / L753 / L745 12	12	\$67.74
HYS281-0618	Coil for L706 / L753 / L745 24	24	\$67.74
HYS271-0510	Coil for L755 12	12	\$18.56
HYS271-0511	Coil for L755 24	24	\$19.21
HYS5100-3080000	DIN 43650 Connector	N/A	\$6.73

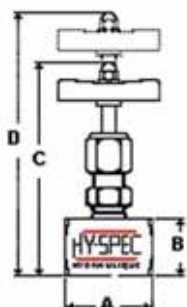
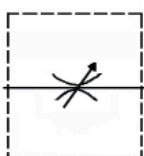
ASK FOR HY-SPEC QUALITY

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FLOW CONTROL & NEEDLE VALVES

NEEDLE VALVES

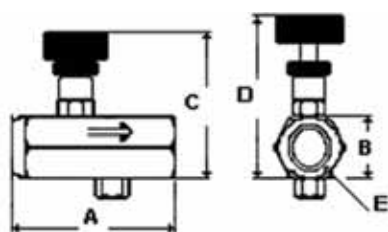
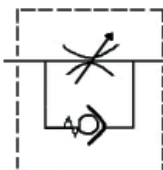
WORKING PRESSURE 5000 PSI



MODEL	THREAD	A	B	C	D	PRESSURE (PSI)	WEIGHT (lb)	LIST PRICE
		mm in.	mm in.	mm in.	mm in.			
HYS SV-02-180-N	1/4 NPT	51 2.01	22 0.87	87 3.43	100 3.94	5000	0.64	\$45.57
HYS SV-02-180-S	SAE-4	51 2.01	22 0.87	87 3.43	100 3.94			
HYS SV-03-180-N	3/8 NPT	51 2.01	22 0.87	87 3.43	100 3.94		0.59	\$45.57
HYS SV-03-180-S	SAE-6	51 2.01	22 0.87	87 3.43	100 3.94			
HYS SV-04-180-N	1/2 NPT	65 2.56	32 1.26	110 4.33	118 4.65		1.59	\$113.93
HYS SV-04-180-S	SAE-8	65 2.56	32 1.26	110 4.33	118 4.65			
HYS SV-06-180-N	3/4 NPT	84 3.31	38 1.50	149 5.87	167 6.58		2.82	\$149.73
HYS SV-06-180-S	SAE-12	84 3.31	38 1.50	149 5.87	167 6.58			
HYS SV-08-180-N	1 NPT	102 4.016	51 2.08	156 6.14	167 6.58		4.89	\$208.32
HYS SV-08-180-S	SAE-16	102 4.016	51 2.08	156 6.14	167 6.58			
HYS SV-02-90-N	1/4 NPT	37 5.39	22 0.87	99 3.90	116 4.60		0.7	\$52.08
HYS SV-02-90-S	SAE-4	37 5.39	22 0.87	99 3.90	116 4.60			
HYS SV-03-90-N	3/8 NPT	137 5.39	22 0.87	99 3.90	116 4.60		0.66	\$52.08
HYS SV-03-90-S	SAE-6	137 5.39	22 0.87	99 3.90	116 4.60			

FLOW CONTROL VALVES

WORKING PRESSURE 5000 PSI



MODEL	A	B	C	D	E	PRESSURE (PSI)	MAX. FLOW (GPM)	WEIGHT (lb)	LIST PRICE
	mm in.	mm in.	mm in.	mm in.	Thread				
HYS CS1002S-N	62 2.44	23 0.91	55 2.17	60 2.36	1/4 NPT	3500	3	0.53	\$48.83
HYS CS1002S-S	62 2.44	23 0.91	55 2.17	60 2.36	SAE-4		3		
HYS CS1003S-N	70 2.76	26 1.02	60 2.36	66 2.60	3/8 NPT		5	0.66	
HYS CS1003S-S	70 2.76	26 1.02	60 2.36	66 2.60	SAE-6		5		
HYS CS1004S-N	81 3.19	32 1.26	67 2.64	75 2.95	1/2 NPT	4250	8	1.08	\$61.85
HYS CS1004S-S	81 3.19	32 1.26	67 2.64	75 2.95	SAE-8		8		
HYS CS1006S-N	92 2.62	41 1.61	80 3.15	88 3.47	3/4 NPT	5000	13	1.32	\$149.73
HYS CS1006S-S	92 2.62	41 1.61	80 3.15	88 3.47	SAE-12		13		

ASK FOR HY-SPEC QUALITY

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FLOW CONTROL & NEEDLE VALVES

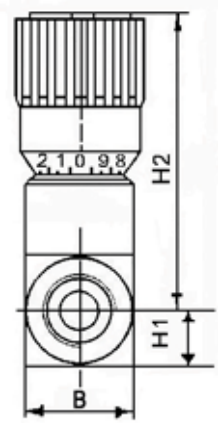
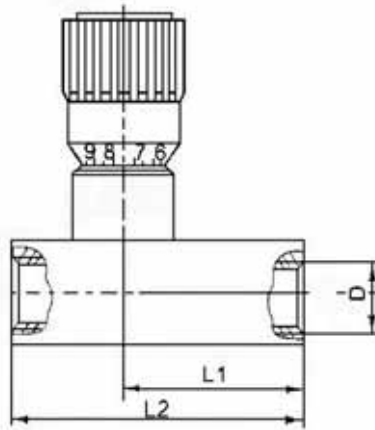


NEEDLE VALVE



FLOW CONTROL

**WORKING PRESSURE
5075 PSI**



PRODUCT	MODEL	D THREAD	L1 (mm)	L2 (mm)	B (mm)	H1 (mm)	H2 (mm)	MAX. FLOW (GPM)	WEIGHT (lb)	LIST PRICE
NEEDLE VALVE	HYSLG-400	1/4 NPT	23	47	28	14	56	4	1	\$28.99
	HYSLG-600	3/8 NPT	30	54				16	1.1	\$37.32
	HYSLG-800	1/2 NPT	39	68	38	19	75	20	2	\$48.74
	HYSLG-1200	3/4 NPT		78				46	2.2	\$59.99
	HYSLG-1600	1 NPT	54	90	48	24	102	53	4.8	\$143.50
	HYSLG-2000	1 1/4 NPT		115	60	30	137	79	7.6	\$178.70
	HYSLG-2400	1 1/2 NPT	65	140	70	35	161	105	11	\$232.25
	HYSLG-3200	2 NPT	70	190	90	45	170	158	17	\$337.15
FLOW CONTROL	HYSLAG-400	1/4 NPT	35	59	28	14	56	4	1.25	\$36.28
	HYSLAG-420	SAE - 4						4	1.25	\$36.28
	HYSLAG-600	3/8 NPT	43	73				16	1.37	\$36.28
	HYSLAG-620	SAE - 6						16	1.37	\$36.28
	HYSLAG-800	1/2 NPT	55	82	36	19	75	20	2.5	\$54.99
	HYSLAG-820	SAE - 8						20	2.5	\$54.99
	HYSLAG-1200	3/4 NPT		89	38			46	2.75	\$73.99
	HYSLAG-1220	SAE - 12						46	2.75	\$73.99
	HYSLAG-1600	1 NPT	56	116	48	24	102	53	5	\$169.99
	HYSLAG-1620	SAE - 16						53	5	\$169.99
	HYSLAG-2000	1 1/4 NPT	80	154	60	30	137	79	9.5	\$186.60
	HYSLAG-2020	SAE - 20						79	9.5	\$186.60
	HYSLAG-2400	1 1/2 NPT	109	170	70	35	161	105	17	\$219.00
	HYSLAG-2420	SAE - 24						105	17	\$219.00
	HYSLAG-3200	2 NPT	115	190	90	45	170	158	29	\$390.00
	HYSLAG-3220	SAE - 32						158	29	\$390.00

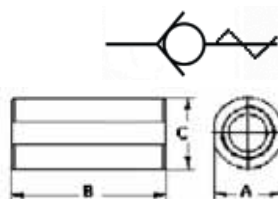
ASK FOR HY-SPEC QUALITY

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CHECK VALVES

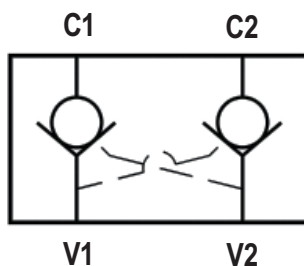
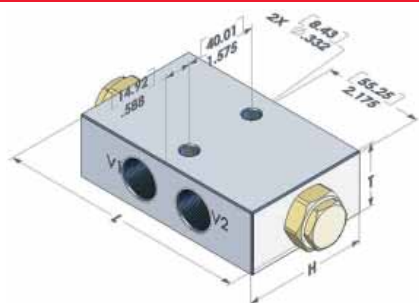
IN-LINE CHECK VALVES

**WORKING PRESSURE
5000 PSI**



MODEL	THREAD	A	B	C	MAX. PRESSURE	MAX. FLOW (GPM)	WEIGHT (lb)	LIST PRICE
		mm in.	mm in.	mm in.				
HYS CIT-03-07N	3/8 NPT	27	76		7 PSI	10	0.66	\$25.39
HYS CIT-03-07S	SAE 6	1.06	3.00		72 PSI			
HYS CIT-03-72N	3/8 NPT	27	76		7 PSI	16	1.10	\$30.60
HYS CIT-03-72S	SAE 6	1.06	3.00		72 PSI			
HYS CIT-04-07N	1/2 NPT	35	82		7 PSI	26	1.76	\$44.27
HYS CIT-04-07S	SAE 8	1.38	3.23		72 PSI			
HYS CIT-04-72N	1/2 NPT	35	82		7 PSI	40	3.96	\$60.54
HYS CIT-04-72S	SAE 8	1.38	3.23		72 PSI			
HYS CIT-06-07N	3/4 NPT	41	96		7 PSI	53	5.30	\$102.21
HYS CIT-06-07S	SAE 12	1.61	3.78		72 PSI			
HYS CIT-06-72N	3/4 NPT	41	96		7 PSI	74	5.95	\$114.58
HYS CIT-06-72S	SAE 12	1.61	3.78		72 PSI			
HYS CIT-08-07N	1 NPT	55	114		7 PSI	105	10.57	\$201.81
HYS CIT-08-07S	SAE 16	2.17	4.89		72 PSI			
HYS CIT-08-72N	1 NPT	55	114		7 PSI			
HYS CIT-08-72S	SAE 16	2.17	4.89		72 PSI			
HYS CIT-10-07N	1-1/4 NPT	60	133	65	7 PSI			
HYS CIT-10-07S	SAE 20	2.36	5.24	2.56	72 PSI			
HYS CIT-10-72N	1-1/4 NPT	60	133	65	7 PSI			
HYS CIT-10-72S	SAE 20	2.36	5.24	2.56	72 PSI			
HYS CIT-12-07N	1-1/2 NPT	65	140	65	7 PSI			
HYS CIT-12-07S	SAE 24	2.56	5.51	2.76	72 PSI			
HYS CIT-12-72N	1-1/2 NPT	65	140	65	7 PSI			
HYS CIT-12-72S	SAE 24	2.56	5.51	2.76	72 PSI			
HYS CIT-16-07N	2 NPT	85	154	88	7 PSI			
HYS CIT-16-07S	SAE 32	3.35	6.06	3.50	72 PSI			
HYS CIT-16-72N	2 NPT	85	154	88	7 PSI			
HYS CIT-16-72S	SAE 32	3.35	6.06	3.50	72 PSI			

DUAL PILOT OPERATED CHECK VALVE



MODEL	L	H	T	PILOT RATIO	PRESSURE (PSI)	RATED FLOW (GPM)	WEIGHT (lb)	LIST PRICE
	mm in.	mm in.	mm in.					
HYS FPD1/2NPT	139.70 5 1/2	69.85 2 3/4	34.92 1 3/8	1 : 3.5	3000	15	1.8	\$76.90

ASK FOR HY-SPEC QUALITY

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ACCUMULATOR BLADDERS



Accumulator Bladders by HY-SPEC are manufactured using an exclusive molding process. As a result our Bladders are the highest quality and reliability available. Prior to shipment every Bladder is tested under pressure and inspected with ultrasonic equipment.

**REPLACEMENT BLADDERS FOR MOST POPULAR BRAND NAMES SUCH AS:
- GREER - OIL AIR HYDRAULICS - ACCUMULATORS INC. - BOSCH**

MODEL	DESCRIPTION	WEIGHT (lb)	LIST PRICE
HYS ROT 1 PINT	30 CUBIC INCH (1 PINT) NITRILE BLADDER	0.4	\$263.32
HYS ROT 1 QUART	60 CUBIC INCH (1 QUART) NITRILE BLADDER	0.5	\$278.90
HYS ROT 150 CUBIC INCHES	150 CUBIC INCH NITRILE BLADDER	0.8	\$302.28
HYS ROT 1 GALLON	1 GALLON NITRILE BLADDER	1.1	\$389.40
HYS ROT 2.5 GALLONS	2.5 GALLON NITRILE BLADDER	1.9	\$445.21
HYS ROT 5 GALLONS	5 GALLON NITRILE BLADDER	3.3	\$470.48
HYS ROT 10 GALLONS	10 GALLON NITRILE BLADDER	5.9	\$869.71
HYS ROT 15 GALLONS	15 GALLON NITRILE BLADDER	8.6	\$1 157.39
HYS ROT 15 GALS5000PSI	15 GALLON 5000 PSI BLADDER	8.6	\$1 123.41

ASK FOR HY-SPEC QUALITY

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HIGH PRESSURE BALL VALVES - 2 WAY

SPECIFICATIONS

BODY:	STEEL
BALL:	STEEL
TEMPERATURE RANGE:	-25° C to 100° C
BALL SEAL:	DELTRIN
SHAFT SEAL:	BUNA-N



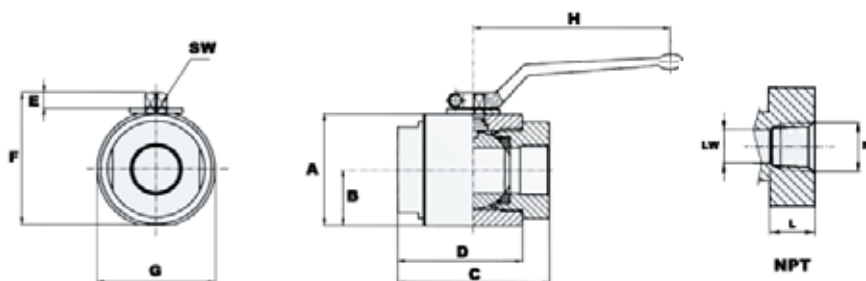
HYSGE2



HYSGB2

DIMENSIONS

**5000 PSI
to
7250 PSI**



Dimensions in inches

DIMENSIONS		A	B	C	D	E	F	G	H	L	M	SW	LW
FULL BORE	1/4	1.38	0.55	2.80	1.65	0.43	1.93	1.18	4.33	0.63	1/4	0.35	0.24
	3/8	1.57	0.67	2.87	1.73	0.43	2.13	1.38	4.33	0.63	3/8	0.35	0.39
	1/2	1.69	0.71	3.27	1.89	0.43	2.24	1.46	4.33	0.67	1/2	0.35	0.51
	3/4	2.17	0.91	3.74	2.44	0.51	2.87	1.77	7.09	0.87	3/4	0.55	0.79
	1	2.56	1.42	4.45	2.60	0.51	3.27	2.17	7.09	0.98	1	0.55	0.98
REDUCED BORE	1-1/4	2.56	1.42	4.76	2.60	0.51	3.27	2.17	7.09	0.98	1-1/4	0.55	0.98
	1-1/2	2.56	1.42	4.76	2.60	0.51	3.27	2.17	7.09	0.98	1-1/2	0.55	0.98
	1-1/4	3.31	1.65	4.53	3.74	0.53	3.98	3.31	13.27	0.94	1-1/4	0.55	1.26
FULL BORE	1-1/2	3.86	1.89	5.16	4.25	0.53	4.53	4.01	13.27	1.06	1-1/2	0.55	1.58
	2	4.06	2.03	5.51	4.53	0.53	4.72	4.25	13.27	1.10	2	0.55	1.97

NPT MODEL		PORTS	LIST PRICE	SAE MODEL	PORTS	LIST PRICE	WORKING PRESSURE (PSI)	WEIGHT (lb)	HANDLE PART #	LOCKING KIT PART #
FULL BORE	HYS GE2-N $\frac{1}{8}$ -DN4-PSI7250	1/8 NPT	\$32.60	-	-	-	-	-	HYS C1010ZB	HYS BALLK6-U
	HYS GE2-N $\frac{1}{4}$ -DN6-PSI7250	1/4 NPT	\$32.60	HYS GE2-SAE4-DN6-PSI7250	SAE-4	\$32.60	7250	1.00		
	HYS GE2-N $\frac{3}{8}$ -DN10-PSI7250	3/8 NPT	\$34.13	HYS GE2-SAE6-DN10-PSI7250	SAE-6	\$34.13	7250	1.25		
	HYS GE2-N $\frac{1}{2}$ -DN13-PSI7250	1/2 NPT	\$38.05	HYS GE2-SAE8-DN13-PSI7250	SAE-8	\$38.05	7250	1.61		
	HYS GE2-N $\frac{3}{4}$ -DN20-PSI5800	3/4 NPT	\$73.70	HYS GE2-SAE12-DN20-PSI5800	SAE-12	\$73.70	5800	3.00		
	HYS GE2-N1-DN25-PSI5075	1 NPT	\$89.97	HYS GE2-SAE16-DN25-PSI5075	SAE-16	\$89.97	5075	4.80	HYS C1200ZB	HYS BALLK20-U
REDUCED BORE	HYS GE2-N1 $\frac{1}{4}$ -DN25-PSI5075	1-1/4 NPT	\$97.28	HYS GE2-SAE20-DN25-PSI5075	SAE-20	\$97.28	5075	5.25		
	HYS GE2-N1 $\frac{1}{2}$ -DN25-PSI5075	1-1/2 NPT	\$105.78	HYS GE2-SAE24-DN25-PSI5075	SAE-24	\$105.78	5075	5.25		
FULL BORE	HYS GB2-N1 $\frac{1}{4}$ -DN32-PSI5075	1-1/4 NPT	\$169.72	HYS GB2-SAE20-DN32-PSI5075	SAE-20	\$169.72	5075	8.25	HYS C2890AV	HYS BALLK20-F
	HYS GB2-N1 $\frac{1}{2}$ -DN40-PSI5075	1-1/2 NPT	\$225.36	HYS GB2-SAE24-DN40-PSI5075	SAE-24	\$225.36	5075	12.75		
	HYS GB2-N2-DN50-PSI5075	2 NPT	\$310.22	HYS GB2-SAE32-DN50-PSI5075	SAE-32	\$310.22	5075	14.25		

OTHER MODELS AVAILABLE ON REQUEST

ASK FOR HY-SPEC QUALITY

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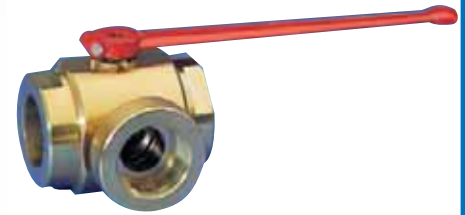
HIGH PRESSURE BALL VALVES - 3 WAY

SPECIFICATIONS

BODY: STEEL
BALL: STEEL
TEMPERATURE RANGE: -25° C to 100° C
BALL SEAL: DELRIN
SHAFT SEAL: BUNA-N
3 WAY L-PORTED DIVERTER VALVE



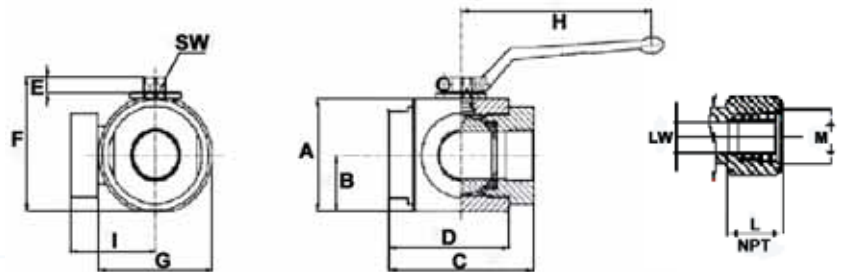
HYSGE3



HYSGB3

DIMENSIONS

**5000 PSI
to
5800 PSI**



Dimensions in inches

DIMENSIONS		A	B	C	D	E	F	G	H	I	L	M	SW	LW
FULL BORE	1/4	1.38	0.55	2.80	1.65	0.43	1.93	1.18	4.33	1.32	0.63	1/4	0.35	0.24
	3/8	1.57	0.67	2.87	1.73	0.43	2.13	1.38	4.33	1.46	0.63	3/8	0.35	0.39
	1/2	1.69	0.71	3.27	1.89	0.43	2.24	1.46	4.33	1.57	0.67	1/2	0.35	0.51
	3/4	2.17	0.91	3.74	2.44	0.51	2.87	1.77	7.09	2.04	0.87	3/4	0.55	0.79
	1	2.56	1.42	4.45	2.60	0.51	3.27	2.17	7.09	2.32	0.98	1	0.55	0.98
REDUCED BORE	1-1/4	2.56	1.42	4.76	2.60	0.51	3.27	2.17	7.09	2.42	0.98	1-1/4	0.55	0.98
	1-1/2	2.56	1.42	4.88	2.60	0.51	3.27	2.17	7.09	2.42	0.98	1-1/2	0.55	0.98
FULL BORE	1-1/4	3.31	1.65	4.53	3.74	0.53	3.98	3.31	13.27	2.83	0.94	1-1/4	0.55	1.26
	1-1/2	3.86	1.89	5.16	4.25	0.53	4.53	4.02	13.27	3.19	1.06	1-1/2	0.55	1.58
	2	4.05	2.03	5.51	4.53	0.53	4.72	4.25	13.27	3.35	1.10	2	0.55	1.89

NPT MODEL		PORTS	LIST PRICE	SAE MODEL	PORTS	LIST PRICE	WORKING PRESSURE (PSI)	WEIGHT (lb)	HANDLE PART #	LOCKING KIT PART #
FULL BORE	HYS GE3-N $\frac{1}{4}$ -L-DN6-PSI5800	1/4 NPT	\$75.83	HYS GE3-SAE4-L-DN6-PSI5800	SAE-4	\$75.83	5800	1.00	HYS C1010ZB	HYS BALLK6-U
	HYS GE3-N $\frac{1}{4}$ -L-DN10-PSI5800	3/8 NPT	\$79.61	HYS GE3-SAE6-L-DN10-PSI5800	SAE-6	\$79.61	5800	1.25		
	HYS GE3-N $\frac{1}{4}$ -L-DN13-PSI5075	1/2 NPT	\$85.26	HYS GE3-SAE8-L-DN13-PSI5075	SAE-8	\$85.26	5075	1.61		
	HYS GE3-N $\frac{1}{4}$ -L-DN20-PSI5075	3/4 NPT	\$131.47	HYS GE3-SAE12-L-DN20-PSI5075	SAE-12	\$131.47	5075	3.00	HYS C1200ZB	HYS BALLK20-U
	HYS GE3-N1-L-DN25-PSI5075	1 NPT	\$148.74	HYS GE3-SAE16-L-DN25-PSI5075	SAE-16	\$148.74	5075	4.80		
REDUCED BORE	HYS GE3-N1 $\frac{1}{4}$ -L-DN25-PSI5075	1-1/4 NPT	\$164.21	HYS GE3-SAE20-L-DN25-PSI5075	SAE-20	\$164.21	5075	4.96		
	-	-	-	HYS GE3-SAE24-DN25-PSI5075	SAE-24	\$178.26	5075	5.18	HYS C2890AV	HYS BALLK20-F
FULL BORE	HYS GB3-N1 $\frac{1}{4}$ -L-DN32-PSI5075	1-1/4 NPT	\$559.62	-	-	-	5075	8.59		
	HYS GB3-N1 $\frac{1}{2}$ -L-DN40-PSI5075	1-1/2 NPT	\$656.23	-	-	-	5075	13.11		
	HYS GB3-N2-L-DN50-PSI5075	2 NPT	\$775.55	-	-	-	5075	16.57		

OTHER MODELS AVAILABLE ON REQUEST

ASK FOR HY-SPEC QUALITY

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MINI BALL VALVES & LOCKING KITS

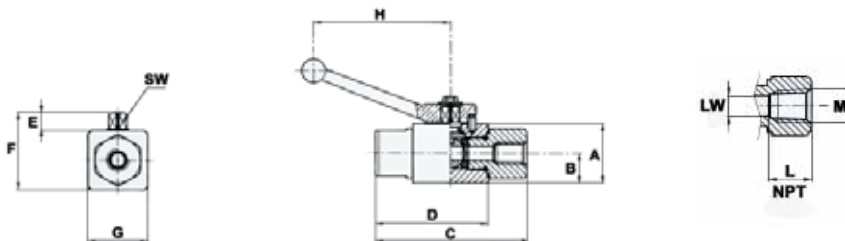
SPECIFICATIONS

BODY:	STEEL
BALL:	STEEL
TEMPERATURE RANGE:	-25° C TO 100° C
BALL SEAL:	DELTRIN
SHAFT SEAL:	BUNA-N



DIMENSIONS

**WORKING
PRESSURE
7250 PSI**



Dimensions in inches

MODEL	A	B	C	D	E	F	G	H	L	M	SW	LW
HYS GEM-N1/4-DN6-PSI7250	0.98	0.49	2.48	1.85	0.27	1.26	0.98	2.24	0.67	1/4 NPT	0.24	0.24
HYS GEM-SAE4-DN6-PSI7250	0.98	0.49	2.48	1.85	0.27	1.26	0.98	2.24	0.67	SAE-4	0.24	0.24

MODEL	PORTS	WORKING PRESSURE (PSI)	WEIGHT (lb)	LIST PRICE
HYS GEM-N1/4-DN6-PSI7250	1/4 NPT	7250	0.50	\$34.99
HYS GEM-SAE4-DN6-PSI7250	SAE-4	7250	0.50	\$34.99

LOCKING KITS - SPECIFICATIONS

- NEW DESIGN FOR MAXIMUM SECURITY
- KITS CAN BE EASILY INSTALLED
- ZINC PLATED CARBON STEEL

F = FLAT

U = U locking



Dimensions in inches

N.B. Padlock not included

MODEL	BALL VALVE SIZE	LIST PRICE
HYS BALLK6-U	1/4 - 3/8 - 1/2	\$38.71
HYS BALLK20-U	3/4 - 1 full bore - 1 1/4 - 1 1/2 reduced bore	\$69.85
HYS BALLK20-F	1 1/4 - 1 1/2 - 2 full bore	\$52.46

HIGH PRESSURE BALL VALVE HANDLES



HYSC1010ZB



HYSC1200ZB



HYSC2890AV

Dimensions in inches

MODEL	BALL VALVE SIZE	LENGTH (mm)	LIST PRICE
HYS C1010ZB	1/4 - 3/8 - 1/2	123	\$6.91
HYS C1200ZB	3/4 - 1 full bore - 1 1/4 - 1 1/2 reduced bore	200	\$13.82
HYS C2890AV	1 1/4 - 1 1/2 - 2 full bore	335	\$25.97

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LOW PRESSURE BALL VALVES

QB2T700H - SPECIFICATIONS

Brass Nickel Plated

PRESSURE: 600 PSI
MEDIUM: OIL / WATER / GAS
TEMPERATURE: -30° C TO 120° C
THREAD: 1/4 TO 2 NPT

Dimensions in inches



MODEL	DESCRIPTION	MATERIAL	WEIGHT (lb)	LIST PRICE
HYS QB2T 700H - 1/4	BALL VALVE 1/4 600 PSI - CERTIFIED CSA & UL	Body: BRASS NICKEL PLATED	0.2	\$5.17
HYS QB2T 700H - 3/8	BALL VALVE 3/8 600 PSI - CERTIFIED CSA & UL	Seat: P.T.F.E.	0.3	\$6.97
HYS QB2T 700H - 1/2	BALL VALVE 1/2 600 PSI - CERTIFIED CSA & UL	Ball: BRASS	0.6	\$7.86
HYS QB2T 700H - 3/4	BALL VALVE 3/4 600 PSI - CERTIFIED CSA & UL	O-Ring: BUNA-N	1	\$11.26
HYS QB2T 700H - 1	BALL VALVE 1 600 PSI - CERTIFIED CSA & UL	Stem: BRASS	1.3	\$19.30
HYS QB2T 700H - 1 1/4	BALL VALVE 1 1/4 600 PSI - CERTIFIED CSA & UL	Handle: STEEL COVERED WITH PLASTIC	2.1	\$28.33
HYS QB2T 700H - 1 1/2	BALL VALVE 1 1/2 600 PSI - CERTIFIED CSA & UL		2.6	\$46.01
HYS QB2T 700H - 2	BALL VALVE 2 600 PSI - CERTIFIED CSA & UL		5	\$61.44

QF3T100 - SPECIFICATIONS

Brass Nickel Plated

MEDIUM: OIL / WATER / FUEL
TEMPERATURE: -30° C TO 120° C
TEST STD: GB / T 13927
ANSI: B1.20.1
THREAD: 2 1/2 TO 4 NPT

Dimensions in inches



MODEL	DESCRIPTION	MATERIAL	WEIGHT (lb)	LIST PRICE
HYS QF3T 100 - 2 1/2	BALL VALVE 2 1/2 400 PSI	Body: BRASS; Nickel Plated		
		Seat: P.T.F.E.	6.8	\$102.90
		Ball: BRASS		
HYS QF3T 100 - 3	BALL VALVE 3 300 PSI	O-Ring: BUNA-N	9.9	\$118.67
		Stem: BRASS		
HYS QF3T 100 - 4	BALL VALVE 4 200 PSI	Handle: STEEL COVERED WITH PLASTIC	17	\$264.59

QPP100 - SPECIFICATIONS

Stainless Steel

PRESSURE: 1000 PSI
MEDIUM: OIL / WATER / NITRIC ACID / AIR
TEMPERATURE: -40° C TO 350° C
ANSI: B2.1 / BS 21 / DIN 259 / DIN 2999
THREAD: 1/4 TO 2 NPT

Dimensions in inches



MODEL	DESCRIPTION	MATERIAL	WEIGHT (lb)	LIST PRICE
HYS QPP 100 - 1/4	BALL VALVE 1/4 1000 PSI - STAINLESS STEEL	Body: S.S. 304	0.2	\$19.14
HYS QPP 100 - 3/8	BALL VALVE 3/8 1000 PSI - STAINLESS STEEL	Seat: P.T.F.E.	0.5	\$20.10
HYS QPP 100 - 1/2	BALL VALVE 1/2 1000 PSI - STAINLESS STEEL	Ball: S.S. 304	0.65	\$21.05
HYS QPP 100 - 3/4	BALL VALVE 3/4 1000 PSI - STAINLESS STEEL	O-Ring: P.T.F.E.	1.0	\$27.74
HYS QPP 100 - 1	BALL VALVE 1 1000 PSI - STAINLESS STEEL	Stem: S.S. 304	1.3	\$33.49
HYS QPP 100 - 1 1/4	BALL VALVE 1 1/4 1000 PSI - STAINLESS STEEL	Handle: S.S. 304 COVERED WITH PLASTIC	2.4	\$54.52
HYS QPP 100 - 1 1/2	BALL VALVE 1 1/2 1000 PSI - STAINLESS STEEL		3.4	\$70.80
HYS QPP 100 - 2	BALL VALVE 2 1000 PSI - STAINLESS STEEL		4.9	\$90.87

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JAW COUPLINGS



MODEL	DESCRIPTION	BORE Ø	KEY WAY (in.)	WEIGHT (lb)	LIST PRICE		
HYS CL035-1/8	Half Jaw coupling CL035	1/8	N/A	0.1	\$4.33		
HYS CL035-3/16	Half Jaw coupling CL035	3/16					
HYS CL035-1/4	Half Jaw coupling CL035	1/4					
HYS CL035-5/16	Half Jaw coupling CL035	5/16					
HYS CL035-3/8	Half Jaw coupling CL035	3/8	N/A	0.3	\$5.28		
HYS CL050-1/4	Half Jaw coupling CL050	1/4					
HYS CL050-5/16	Half Jaw coupling CL050	5/16					
HYS CL075-1/4	Half Jaw coupling CL075	1/4					
HYS CL075-5/16	Half Jaw coupling CL075	5/16	N/A	0.4	\$8.29		
HYS CL075-3/8	Half Jaw coupling CL075	3/8					
HYS CL075-7/16	Half Jaw coupling CL075	7/16					
HYS CL075-1/2	Half Jaw coupling CL075	1/2					
HYS CL075-9/16	Half Jaw coupling CL075	9/16	1/8 X 1/16				
HYS CL075-5/8	Half Jaw coupling CL075	5/8	3/16 X 3/32				
HYS CL075-11/16	Half Jaw coupling CL075	11/16					
HYS CL075-3/4	Half Jaw coupling CL075	3/4					
HYS CL075-13/16	Half Jaw coupling CL075	13/16					
HYS CL075-7/8	Half Jaw coupling CL075	7/8	1/8 X 1/16			1.5	\$9.10
HYS CL090-1/2	Half Jaw coupling CL090	1/2					
HYS CL090-7/8	Half Jaw coupling CL090	7/8					
HYS CL095-7/16	Half Jaw coupling CL095	7/16					
HYS CL095-1/2	Half Jaw coupling CL095	1/2	3/32 X 3/64	0.8	\$10.20		
HYS CL095-9/16	Half Jaw coupling CL095	9/16	1/8 X 1/16				
HYS CL095-5/8	Half Jaw coupling CL095	5/8	3/16 X 3/32				
HYS CL095-11/16	Half Jaw coupling CL095	11/16					
HYS CL095-3/4	Half Jaw coupling CL095	3/4					
HYS CL095-13/16	Half Jaw coupling CL095	13/16					
HYS CL095-7/8	Half Jaw coupling CL095	7/8	1/4 X 1/8				
HYS CL095-15/16	Half Jaw coupling CL095	15/16					
HYS CL095-1	Half Jaw coupling CL095	1					
HYS CL095-1-1/16	Half Jaw coupling CL095	1-1/16					
HYS CL095-1-1/8	Half Jaw coupling CL095	1-1/8	1/8 X 1/16			1.7	\$19.60
HYS CL100-1/2	Half Jaw coupling CL100	1/2					
HYS CL100-9/16	Half Jaw coupling CL100	9/16					
HYS CL100-5/8	Half Jaw coupling CL100	5/8					
HYS CL100-11/16	Half Jaw coupling CL100	11/16					
HYS CL100-3/4	Half Jaw coupling CL100	3/4					
HYS CL100-13/16	Half Jaw coupling CL100	13/16					
HYS CL100-7/8	Half Jaw coupling CL100	7/8					
HYS CL100-15/16	Half Jaw coupling CL100	15/16					
HYS CL100-1	Half Jaw coupling CL100	1					
HYS CL100-1-1/16	Half Jaw coupling CL100	1-1/16	1/4 X 1/8				
HYS CL100-1-1/8	Half Jaw coupling CL100	1-1/8	5/16 X 5/32				
HYS CL100-1-3/16	Half Jaw coupling CL100	1-3/16					
HYS CL100-1-1/4	Half Jaw coupling CL100	1-1/4					
HYS CL100-1-3/8	Half Jaw coupling CL100	1-3/8					
HYS CL110-5/8	Half Jaw coupling CL110	5/8	3/16 X 3/32	3.7	\$31.78		
HYS CL110-3/4	Half Jaw coupling CL110	3/4					
HYS CL110-7/8	Half Jaw coupling CL110	7/8					
HYS CL110-1	Half Jaw coupling CL110	1					
HYS CL110-1-1/8	Half Jaw coupling CL110	1-1/8	1/4 X 1/8				
HYS CL110-1-3/16	Half Jaw coupling CL110	1-3/16					
HYS CL110-1-1/4	Half Jaw coupling CL110	1-1/4					
HYS CL110-1-1/4X5/16	Half Jaw coupling CL110	1-1/4					
HYS CL110-1-3/8	Half Jaw coupling CL110	1-3/8	5/16 X 5/32				
HYS CL110-1-7/16	Half Jaw coupling CL110	1-7/16	3/8 X 3/16				
HYS CL110-1-1/2X3/8	Half Jaw coupling CL110	1-1/2					
HYS CL110-1-9/16	Half Jaw coupling CL110	1-9/16					
HYS CL110-1-5/8	Half Jaw coupling CL110	1-5/8					
HYS CL150-3/4	Half Jaw coupling CL150	3/4	3/16 X 3/32	4.8	\$38.76		
HYS CL150-7/8	Half Jaw coupling CL150	7/8					
HYS CL150-1	Half Jaw coupling CL150	1					
HYS CL150-1-3/16	Half Jaw coupling CL150	1-3/16					
HYS CL150-1-7/16	Half Jaw coupling CL150	1-7/16	1/4 X 1/8				
HYS CL150-1-1/2	Half Jaw coupling CL150	1-1/2	3/8 X 3/16				

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JAW COUPLINGS

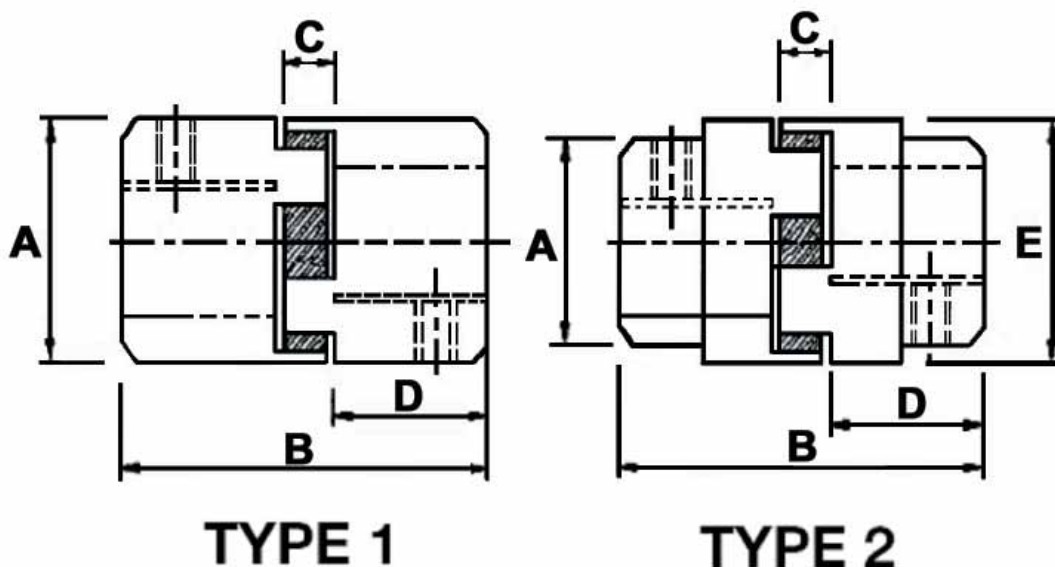
MODEL	DESCRIPTION	BORE Ø	KEY WAY (in.)	WEIGHT (lb)	LIST PRICE
HYS CL150-1-1/2	Half Jaw coupling CL150	1-1/2	3/8 X 3/16	4.8	\$38.76
HYS CL150-1-7/8	Half Jaw coupling CL150	1-7/8	1/2 X 1/4		
HYS CL190-13/16	Half Jaw coupling CL190	13/16	3/16 X 3/32	7.4	\$53.51
HYS CL190-7/8	Half Jaw coupling CL190	7/8			
HYS CL190-15/16	Half Jaw coupling CL190	15/16	1/4 X 1/8		
HYS CL190-1	Half Jaw coupling CL190	1			
HYS CL190-1-1/16	Half Jaw coupling CL190	1-1/16			
HYS CL190-1-1/8	Half Jaw coupling CL190	1-1/8			
HYS CL190-1-3/16	Half Jaw coupling CL190	1-3/16			
HYS CL190-1-1/4	Half Jaw coupling CL190	1-1/4	5/16 X 5/32		
HYS CL190-1-1/4X5/16	Half Jaw coupling CL190	1-1/4			
HYS CL190-1-5/16	Half Jaw coupling CL190	1-5/16	3/8 X 3/16		
HYS CL190-1-3/8	Half Jaw coupling CL190	1-3/8			
HYS CL190-1-7/16	Half Jaw coupling CL190	1-7/16			
HYS CL190-1-1/2	Half Jaw coupling CL190	1-1/2			
HYS CL190-1-9/16	Half Jaw coupling CL190	1-9/16	1/2 X 1/4		
HYS CL190-1-5/8	Half Jaw coupling CL190	1-5/8			
HYS CL190-1-11/16	Half Jaw coupling CL190	1-11/16			
HYS CL190-1-3/4	Half Jaw coupling CL190	1-3/4			
HYS CL190-1-13/16	Half Jaw coupling CL190	1-13/16	3/16 X 3/32		
HYS CL190-1-7/8	Half Jaw coupling CL190	1-7/8			
HYS CL190-1-15/16	Half Jaw coupling CL190	1-15/16			
HYS CL190-2	Half Jaw coupling CL190	2			
HYS CL190-2-1/16	Half Jaw coupling CL190	2-1/16	1/4 X 1/8		
HYS CL190-2-1/8	Half Jaw coupling CL190	2-1/8			
HYS CL225-3/4	Half Jaw coupling CL225	3/4			
HYS CL225-13/16	Half Jaw coupling CL225	13/16			
HYS CL225-7/8	Half Jaw coupling CL225	7/8	5/16 X 5/32		
HYS CL225-15/16	Half Jaw coupling CL225	15/16			
HYS CL225-1	Half Jaw coupling CL225	1			
HYS CL225-1-1/16	Half Jaw coupling CL225	1-1/16	3/8 X 3/16		
HYS CL225-1-1/8	Half Jaw coupling CL225	1-1/8			
HYS CL225-1-3/16	Half Jaw coupling CL225	1-3/16			
HYS CL225-1-1/4	Half Jaw coupling CL225	1-1/4			
HYS CL225-1-5/16	Half Jaw coupling CL225	1-5/16	1/2 X 1/4		
HYS CL225-1-3/8	Half Jaw coupling CL225	1-3/8			
HYS CL225-1-7/16	Half Jaw coupling CL225	1-7/16			
HYS CL225-1-1/2	Half Jaw coupling CL225	1-1/2			
HYS CL225-1-9/16	Half Jaw coupling CL225	1-9/16	5/8 X 5/16		
HYS CL225-1-5/8	Half Jaw coupling CL225	1-5/8			
HYS CL225-1-11/16	Half Jaw coupling CL225	1-11/16			
HYS CL225-1-3/4	Half Jaw coupling CL225	1-3/4			
HYS CL225-1-13/16	Half Jaw coupling CL225	1-13/16	1/2 X 1/4		
HYS CL225-1-7/8	Half Jaw coupling CL225	1-7/8			
HYS CL225-1-15/16	Half Jaw coupling CL225	1-15/16			
HYS CL225-2	Half Jaw coupling CL225	2			
HYS CL225-2-1/16	Half Jaw coupling CL225	2-1/16	5/8 X 5/16		
HYS CL225-2-1/8	Half Jaw coupling CL225	2-1/8			
HYS CL225-2-3/16	Half Jaw coupling CL225	2-3/16			
HYS CL225-2-1/4	Half Jaw coupling CL225	2-1/4			
HYS CL225-2-5/16	Half Jaw coupling CL225	2-5/16	5/8 X 5/16		
HYS CL225-2-3/8	Half Jaw coupling CL225	2-3/8			
MODEL	INSERTS				LIST PRICE
HYS JCIR035	Insert CL035 NBR				\$0.88
HYS JCIR050	Insert CL050 NBR				\$1.10
HYS JCIR075	Insert CL075 NBR				\$2.64
HYS JCIR090	Insert CL090 NBR				\$3.38
HYS JCIR095	Insert CL095 NBR				\$3.38
HYS JCIR100	Insert CL100 NBR				\$6.09
HYS JCIR110	Insert CL110 NBR				\$10.35
HYS JCIR150	Insert CL150 NBR				\$12.85
HYS JCIR 190	Insert CL190 NBR				\$17.32
HYS JCIR 225	Insert CL225 NBR				\$24.30



ASK FOR HY-SPEC QUALITY

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JAW COUPLING - DIMENSIONS



MODEL	TYPE	BORE (in.)		BORE (mm)		A (in.)	A (mm)	B (in.)	B (mm)	C (in.)	C (mm)	D (in.)	D (mm)	E (in.)	E (mm)
		Min.	Max.	Min.	Max.										
CL035	1	3/16	5/16	3.0	8.0	5/8	16.0	13/16	20.6	5/16	7.5	1/4	6.6	-	-
CL050	1	1/4	5/8	6.0	16.0	1 1/16	27.5	1 11/16	43.2	1/2	12.2	5/8	15.5	-	-
CL070	1	1/4	3/4	9.0	20.0	1 3/8	35.0	1 15/16	49.2	1/2	12.2	3/4	18.5	-	-
CL075	1	5/16	1	9.0	26.0	1 3/4	44.5	2 1/8	54.4	1/2	12.4	13/16	21.0	-	-
CL090	1	3/8	1 1/8	9.0	28.0	2 1/8	54.0	2 3/16	55.0	1/2	13.0	13/16	21.0	-	-
CL095	1	3/8	1 1/8	9.0	28.0	2 1/8	54.0	2 3/8	61.0	1/2	13.0	15/16	24.0	-	-
CL099	1	1/2	1 3/8	12.0	36.0	2 9/16	65.0	2 7/8	73.0	11/16	18.0	1 3/16	30.0	-	-
CL100	1	1/2	1 3/8	12.0	36.0	2 9/16	65.0	3 7/16	88.0	11/16	18.0	1 7/16	36.0	-	-
CL110	1	1/2	1 7/8	15.0	48.0	3 3/8	85.0	4 5/16	110.0	7/8	22.0	1 3/4	44.0	-	-
CL150	1	5/8	1 7/8	15.0	48.0	3 3/4	96.0	4 11/16	118.5	1 1/16	26.6	1 13/16	46.0	-	-
CL190	2	5/8	2 1/4	19.0	58.0	4 1/2	115.0	5 7/16	138.5	1 1/8	28.6	2 11/16	68.0	4 1/2	114.3
CL225	2	3/4	2 3/8	19.0	60.0	5	127.0	6	152.5	1 1/8	28.6	3 5/16	83.5	5	127.0

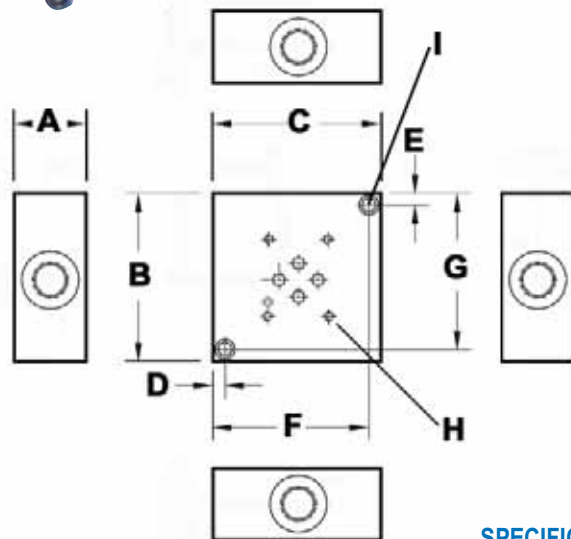
MODEL	HORSEPOWER CAPACITY					BORE RANGE
	100 RPM	300 RPM	1200 RPM	1800 RPM	3600 RPM	
CL035	0.006	0.02	0.07	0.1	0.2	1/8 - 3/8
CL050	0.05	0.15	0.6	0.9	1.8	1/4 - 5/16
CL075	0.13	0.39	1.56	2.3	4.7	1/4 - 7/8
CL090	0.22	0.66	2.64	4	7.9	1/2 - 7/8
CL095	0.3	0.9	3.6	5.4	10.8	7/16 - 1-1/8
CL100	0.66	2	7.9	11.9	23.8	1/2 - 1-3/8
CL110	1.2	3.6	14.4	21.6	43.2	5/8 - 1-5/8
CL150	1.9	5.7	22.8	34.2	68.4	3/4 - 1-7/8
CL190	2.4	7.2	28.8	43.2	86.4	13/16 - 2-1/8
CL225	3.6	10.8	43.2	64.8	129.6	3/4 - 2-3/8

ASK FOR HY-SPEC QUALITY

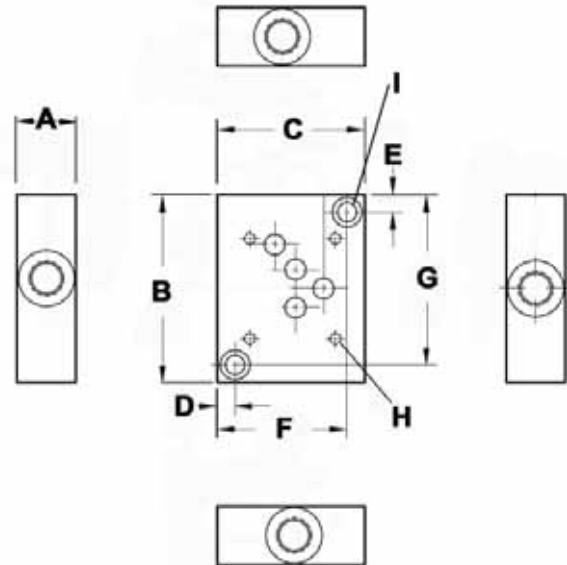
Product availability, specifications and prices are subject to change without notice. Taxes extra.

D03 & D05 SUBPLATES

D03 MODEL



D05 MODEL



SPECIFICATIONS

- MATERIAL: STEEL
- WORKING PRESSURE: 5000 PSI
- HARDWARE INCLUDED

DIMENSIONS IN INCHES

MODEL	PORTS	PORT LOCATION	A	B	C	D	E	F	G	H	I Ø	HARDWARE (2 shcs included)	WEIGHT (lb)	LIST PRICE
HYS DD03-SP-B-6S	SAE 6	Bottom	1.00	2.50	2.50	0.59	0.59	2.25	2.25	10-24NC	0.25	1/4-20NC X1.13	1.5	\$31.98
HYS DD03-SP-B-6P	3/8 NPT	Bottom	1.00	2.50	2.50	0.59	0.59	2.25	2.25	10-24NC	0.25	1/4-20NC X1.13	1.5	\$31.98
HYS DD03-SP-S-6S	SAE 6	Side	1.00	2.50	2.50	0.59	0.59	2.25	2.25	10-24NC	0.25	1/4-20NC X1.13	1.5	\$31.98
HYS DD03-SP-S-6P	3/8 NPT	Side	1.00	2.50	2.50	0.59	0.59	2.25	2.25	10-24NC	0.25	1/4-20NC X1.13	1.4	\$31.98
HYS DD05-SP-B-8S	SAE 8	Bottom	1.25	4.00	3.23	0.57	0.37	2.95	2.75	1/4-20NC	0.40	3/8-16NC X 1.50	4.1	\$53.98
HYS DD05-SP-B-8P	1/2 NPT	Bottom	1.25	4.00	3.23	0.57	0.37	2.95	2.75	1/4-20NC	0.40	3/8-16NC X 1.50	4.0	\$53.98
HYS DD05-SP-S-8S	SAE 8	Side	1.25	4.00	3.23	0.57	0.37	2.95	2.75	1/4-20NC	0.40	3/8-16NC X 1.50	3.9	\$53.98
HYS DD05-SP-S-8P	1/2 NPT	Side	1.25	4.00	3.23	0.57	0.37	2.95	2.75	1/4-20NC	0.40	3/8-16NC X 1.50	4.0	\$53.98

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FILTER HEADS



SPECIFICATIONS

- 3/4 NPT flow up to 25 GPM
- 1 NPT flow up to 34 GPM
- 1 1/4 NPT flow up to 60 GPM
- Working pressure 200 PSI
- For use with petroleum based fluid only
- Die cast aluminum head
- Buna-N seals
- Visual indicator available (IN port)
- Filter elements available

MODEL	PORTS	DESCRIPTION	ELEMENT THREAD	MAX. FLOW	WEIGHT (lb)	LIST PRICE
HYS07-25-1	3/4 NPT	Filter head	1 - 12 UNF	25 GPM	0.5	\$9.99
HYS10-25-1	1 NPT	Filter head	1 - 12 UNF	34 GPM	0.5	\$9.99
HYS120-25-1	1 1/4 NPT	Filter head	1 1/2 - 16 UNF & 1 1/4 BSP	60 GPM	1.5	\$15.99

MODEL NUMBER

HYS

07

-

25

-

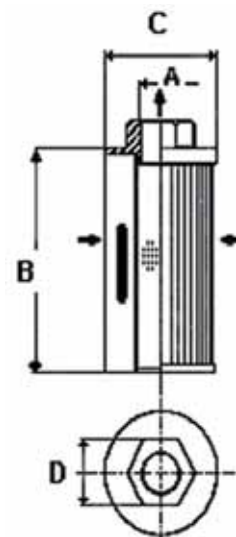
1

PORTS	
07	3/4 NPT
10	1 NPT
120	1 1/4 NPT

BY-PASS	
25	25 PSI

INDICATOR GAUGE PORTS	
1	(2) 1/8 NPT GAUGE PORTS - IN PORT

STRAINERS



SPECIFICATIONS

- Stainless steel 100 mesh
- Re-usable
- Epoxy bonded joints for compatibility with Petroleum and mineral based fluids
- Steel inner support

MODEL	A	B	C	D	FLOW		WEIGHT (lb)	LIST PRICE
	Thread	mm in.	mm in.	mm in.	Liters/minute	GPM		
HYS FL1000	3/8 NPT	27 1.06	42 1.65	21 0.83	5	1.3	0.2	\$14.91
HYS FL10001	3/8 NPT	67 2.64	42 1.65	21 0.83	10	2.6	0.2	\$15.09
HYS FL1001	1/2 NPT	95 3.74	45 1.77	30 1.18	15	4.0	0.2	\$17.18
HYS FL1002	3/4 NPT	95 3.74	65 2.56	46 1.81	25	7.0	0.3	\$23.45
HYS FL1003	1 NPT	125 4.92	65 2.56	46 1.81	50	13.0	0.4	\$25.09
HYS FL1004	1 1/4 NPT	125 4.92	85 3.35	60 2.36	80	21.0	0.5	\$34.09
HYS FL1006	1 1/2 NPT	185 7.28	85 3.35	60 2.36	130	34.0	1.0	\$54.09
HYS FL1008	2 NPT	126 4.96	150 5.91	70 2.76	225	59.0	2.1	\$90.90
HYS FL1009	2 1/2 NPT	186 7.32	150 5.91	90 3.54	350	93.0	2.2	\$92.45
HYS FL1010	3 NPT	256 10.01	150 5.91	100 3.94	500	132.0	2.5	\$127.08

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GAUGES

LIQUID FILLED PRESSURE GAUGES

STEM MOUNT

MODEL	DESCRIPTION	WEIGHT (lb)	LIST PRICE
HYS 25KL4V-15-0 PSI	0-30 in Hg STAINLESS STEEL CASE VACUUM	0.44	\$15.60
HYS 25KL4P 0-30PSI	0-30 PSI STAINLESS STEEL CASE		
HYS 25KL4P 0-100PSI	0-100 PSI STAINLESS STEEL CASE		
HYS 25KL4P 0-600PSI	0-600 PSI STAINLESS STEEL CASE		
HYS 25KL4P 0-1000PSI	0-1000 PSI STAINLESS STEEL CASE		
HYS 25KL4P 0-1500PSI	0-1500 PSI STAINLESS STEEL CASE		
HYS 25KL4P 0-3000PSI	0-3000 PSI STAINLESS STEEL CASE		
HYS 25KL4P 0-5000PSI	0-5000 PSI STAINLESS STEEL CASE		

PANEL MOUNT

MODEL	DESCRIPTION	WEIGHT (lb)	LIST PRICE
HYS 25KV4V -15- 0 PSI	0-30 in Hg STAINLESS STEEL CASE VACUUM	0.51	\$18.40
HYS 25KV4P 0-500PSI	0-500 PSI STAINLESS STEEL CASE		
HYS 25KV4P 0-3000PSI	0-3000 PSI STAINLESS STEEL CASE		
HYS 25KV4P 0-5000PSI	0-5000 PSI STAINLESS STEEL CASE		

STEM MOUNT

MODEL	DESCRIPTION	WEIGHT (lb)	LIST PRICE
HYS 4KL4V -15-0PSI-1/2 NPT	0-30 in Hg STAINLESS STEEL CASE VACUUM	1.3	\$33.00
HYS 4KL4P 0-30PSI-1/2 NPT	0-30 PSI STAINLESS STEEL CASE		
HYS 4KL4P 0-100PSI-1/2 NPT	0-100 PSI STAINLESS STEEL CASE		
HYS 4KL4P 0-600PSI-1/2 NPT	0-600 PSI STAINLESS STEEL CASE		
HYS 4KL4P 0-1000PSI-1/2 NPT	0-1000 PSI STAINLESS STEEL CASE		
HYS 4KL4P 0-1500PSI-1/2 NPT	0-1500 PSI STAINLESS STEEL CASE		
HYS 4KL4P 0-3000PSI-1/2 NPT	0-3000 PSI STAINLESS STEEL CASE		
HYS 4KL4P 0-5000PSI-1/2 NPT	0-5000 PSI STAINLESS STEEL CASE		

PANEL MOUNT

MODEL	DESCRIPTION	WEIGHT (lb)	LIST PRICE
HYS 4KV4V -15-0PSI-1/2 NPT	0-30 in Hg STAINLESS STEEL CASE VACUUM	1.4	\$39.00
HYS 4KV4P 0-30PSI-1/2 NPT	0-30 PSI STAINLESS STEEL CASE		
HYS 4KV4P 0-100PSI-1/2 NPT	0-100 PSI STAINLESS STEEL CASE		
HYS 4KV4P 0-600PSI-1/2 NPT	0-600 PSI STAINLESS STEEL CASE		
HYS 4KV4P 0-1500PSI-1/2 NPT	0-1500 PSI STAINLESS STEEL CASE		
HYS 4KV4P 0-3000PSI-1/2 NPT	0-3000 PSI STAINLESS STEEL CASE		
HYS 4KV4P 0-5000PSI-1/2 NPT	0-5000 PSI STAINLESS STEEL CASE		

N.B. Our Pressure Gauges must be mounted upright and the rubber tip must be cut after installation. Performance : accuracy +/- 3.33%

2 1/2"



DESCRIPTION

Body Case: Stainless Steel 304
Case Diameter: 2.5"
Window: Polycarbonate
Connection: Brass 1/2 NPT
Pressure scale: Red: PSI
Blue: BAR

4"



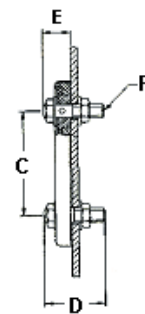
DESCRIPTION

Body Case: Stainless Steel 304
Case Diameter: 4"
Window: Polycarbonate
Connection: Brass 1/2 NPT
Pressure scale: Red: PSI
Blue: BAR

SIGHT LEVEL AND TEMPERATURE GAUGES

MODEL	A	B	C	D	E	F	WEIGHT (lb)	LIST PRICE
	mm in.	mm in.	mm in.	mm in.	mm in.			
HYS LS3	120 4.72	44 1.73	76 3.00	49 1.93	20 0.80	M10 X 1.5	0.4	\$24.74
HYS LS5	175 6.89	48 1.89	127 5.00	45 5.71	21 4.76	M12 X 1.75	0.6	\$31.25

MODELS WITH THERMOMETER



FILLER BREATHERS

HYSFB-18



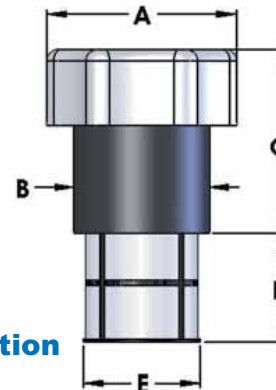
Strainer basket



Weld on sleeve



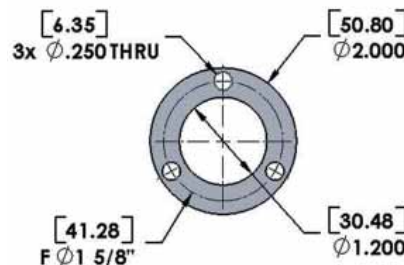
Threaded cap



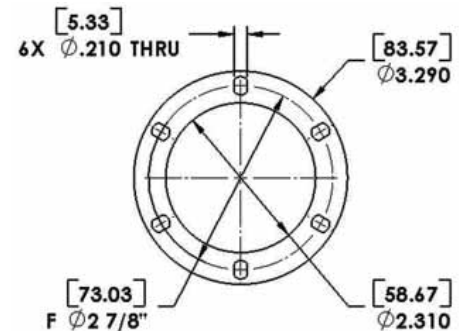
FEATURES (FB 18)

- Large diameter filler hole
- Removable filter basket
- Cap sits high above tank top so no dirt can fall in
- Cap threads on to standpipe making a secure connection
- 90 CFM air capacity
- 40 micron

HYSFB-06S



HYSFB-12S



MODEL	A	B	C	D	E	F		WEIGHT (lb)	LIST PRICE
	mm in.	mm in.	mm in.	mm in.	mm in.	SCREW QTY.*	BOLT CIRCLE		
HYS FB-06S	53 2.09	51 2.01	38 1.50	72 2.84	31 1.22	3	1 5/8" Ø	0.33	\$19.53
HYS FB-12S	80 3.15	88 3.47	55 2.17	75 2.95	49 1.93	6	2 7/8" Ø	0.42	\$19.53
HYS FB-18	85 3.35	60 2.36	80 3.15	75 2.95	49 1.93			0.95	\$39.06

* SCREW: 10-24 X 1/2" (NOT INCLUDED)

ASK FOR HY-SPEC QUALITY

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HYDRAULIC CYLINDER FORCE

Pressure Range - 500 to 5000 PSI

Bore Dia., in.	Rod Dia., in.	Effec. Area, Sq. In.	Pressure Differential Across Cylinder Ports									
			500 PSI	750 PSI	1000 PSI	1250 PSI	1500 PSI	2000 PSI	2500 PSI	3000 PSI	4000 PSI	5000 PSI
1-1/2"	none *	1.7672	884	1325	1767	2209	2651	3534	4418	5302	7069	8836
	5/8"	1.4604	730	1095	1460	1826	2191	2921	3651	4381	5842	7302
	1"	0.9818	491	736	982	1227	1473	1964	2455	2945	3927	4909
2"	none *	3.1416	1571	2356	3142	3927	4712	6283	7854	9425	12,566	15,708
	1"	2.3562	1178	1767	2356	2945	3534	4712	5891	7069	9425	11,781
	1-3/8"	1.6567	828	1243	1657	2071	2485	3313	4142	4970	6627	8284
2-1/2"	none *	4.9087	2454	3682	4909	6136	7363	9817	12,272	14,726	19,635	24,544
	1"	4.1233	2062	3092	4123	5154	6185	8247	10,308	12,370	16,493	20,617
	1-3/8"	3.4238	1712	2568	3424	4280	5136	6848	8560	10,271	13,695	17,119
3"	1-3/4"	2.5034	1252	1878	2503	3129	3755	5007	6259	7510	10,014	12,517
	none *	7.0686	3534	5301	7069	8836	10,603	14,137	17,672	21,206	28,274	35,343
	1"	6.2832	3142	4712	6283	7854	9425	12,566	15,708	18,850	25,133	31,416
3-1/4"	1-3/8"	5.5837	2792	4188	5584	6980	8376	11,167	13,959	16,751	22,335	27,919
	1-3/4"	4.6633	2332	3498	4664	5830	6996	9329	11,661	13,992	18,657	23,322
	none *	8.2958	4148	6222	8296	10,370	12,444	16,592	20,740	24,887	33,183	41,479
4"	1-3/8"	6.8109	3405	5108	6811	8514	10,216	13,622	17,027	20,433	27,244	34,055
	1-3/4"	5.8905	2945	4418	5891	7363	8836	11,781	14,726	17,672	23,562	29,453
	2"	5.1542	2577	3866	5154	6443	7731	10,308	12,886	15,463	20,617	25,771
5"	none *	12.567	6284	9425	12,567	15,709	18,851	25,134	31,418	37,701	50,268	62,835
	1-3/4"	10.162	5081	7622	10,162	12,703	15,243	20,324	25,405	30,486	40,648	50,810
	2"	9.4254	4713	7069	9425	11,782	14,138	18,851	23,564	28,266	37,702	47,127
6"	2-1/2"	7.6583	3829	5744	7658	9573	11,487	15,317	19,146	22,975	30,633	38,292
	none *	19.635	9818	14,726	19,635	24,544	29,453	39,270	49,088	58,905	78,540	98,175
	2"	16.493	8247	12,370	16,493	20,616	24,740	32,986	41,233	49,479	65,972	82,465
7"	2-1/2"	14.726	7363	11,045	14,726	18,408	22,089	29,450	36,815	44,178	58,904	73,630
	3"	12.566	6283	9425	12,566	15,708	18,849	25,132	31,415	37,698	50,264	62,830
	3-1/2"	10.014	5007	7511	10,014	12,518	15,021	20,028	25,035	30,042	40,056	50,070
8"	none *	28.274	14,137	21,206	28,274	35,343	42,411	56,548	70,685	84,822	113,096	141,370
	2-1/2"	23.365	11,683	17,524	23,365	29,206	35,048	46,730	58,413	70,095	93,460	116,825
	3"	21.205	10,603	15,904	21,205	26,506	31,808	42,410	53,013	63,615	84,820	106,025
9"	3-1/2"	18.653	9327	13,990	18,653	23,316	27,980	37,306	46,633	55,959	74,612	93,265
	4"	15.707	7854	11,780	15,707	19,634	23,561	31,414	39,268	47,121	62,828	78,535

FLUID POWER FORMULAS

Hydraulic (fluid power) horsepower:

$$HP = PSI \times GPM \div 1714$$

PSI is gauge pressure in pounds per square inch; GPM is oil flow in gallons per minute.

Torque and horsepower Relations:

$$T = HP \times 5252 \div RPM$$

$$HP = T \times RPM \div 5252$$

$$RPM = HP \times 5252 \div T$$

Torque values are in foot pounds.

1 HP is required for each 1 GPM @ 1500 PSI

For example, a 5 GPM pump operating at 1500 PSI would need 5 HP, or at 3000 would need 10 HP. A 10 GPM pump at 1000 PSI would need 6 2/3 HP, or the same pump operating at 1500 PSI would need 10 HP, etc.

1 GPM (U.S.) = 231 in³

1 Bar = 14.5 PSI

1 GPM (U.S.) = 3.785 Liters/mn

TABLE OF EQUIVALENTS

To convert units appearing in Column 1 (left column) into equivalent values in Column 2 (center column), multiply by factor in Column 3.

Example: To convert 7 gallons into cubic inches multiply $7 \times 231 = 1617$.

To convert units appearing in Column 2 (center) into equivalent values of units in Column 1 (left), divide by factor in Column 3. Example: To convert 25 horsepower into BTU per minute, divide 25 by $0.02356 = 1061$.

TO CONVERT... → INTO... → MULTIPLY BY...

INTO... → TO CONVERT... → DIVIDE BY...

Atmospheres	Feet of Water	33.9
Atmospheres	Inches of Mercury (Hg)	29.92
Atmospheres	PSI (Pounds per Sq. Inch)	14.7
BTU	Foot Pounds	778.2
BTU per Hour	Watts	0.2931
BTU per Minute	Horsepower	0.02356
Celsius (Centigrade)	Fahrenheit	$^{\circ}\text{C} \times 1.8 + 32$
Centimeters	Inches	0.3937
Cubic Centimeters	Gallons (U.S. Liquid)	0.0002642
Cubic Centimeters	Liters	0.001
Cubic Feet	Cubic Inches	1728
Cubic Feet	Gallons (U.S. Liquid)	7.48052
Cubic Inches	Cubic Feet	0.0005787
Cubic Inches	Gallons (U.S. Liquid)	0.004329
Days	Seconds	86,400
Degrees (Angle)	Radians	0.01745
Feet	Meters	0.3048
Feet	Miles	0.0001894
Feet of Water	Atmospheres	0.0295
Feet of Water	Inches of Mercury (Hg)	0.8826
Feet of Water	PSI (Pounds per Sq. Inch)	0.4335
Feet per Minute	Miles per Hour	0.01136
Feet per Second	Miles per Hour	0.6818
Foot-Pounds	BTU	0.001286
Foot-Pounds per Minute	Horsepower	0.0000303
Foot-Pounds per Second	Horsepower	0.001818
Gallons (U.S. Liquid)	Cubic Feet	0.1337
Gallons (U.S. Liquid)	Cubic Inches	231
Gallons of Water	Pounds of Water	8.3453
Horsepower	BTU per Minute	42.44
Horsepower	Foot-Pounds per minute	33,000
Horsepower	Foot-Pounds per Second	550
Horsepower	Watts	0.7457
Hours	Days	0.04167
Hours	Weeks	0.005952
Inches	Centimeters	2.54
Inches of Mercury (Hg)	Atmospheres	0.03342
Inches of Mercury (Hg)	Feet of Water	1.133
Inches of Mercury (Hg)	PSI (Pounds per Sq. Inch)	0.4912
Inches of Water	PSI (Pounds per Sq. Inch)	0.03613
Liters	Cubic Centimeters	1000
Liters	Gallons (U.S. Liquid)	0.2642
Micron	Inches	0.00004
Miles (Statute)	Feet	5280
Miles per Hour (M.P.H.)	Feet per Minute	88
Miles per Hour	Feet per Second	1.467
Ounces (Weight)	Pounds	0.0625
Ounces (Liquid)	Cubic Inches	1.805
Pints (Liquid)	Quarts (Liquid)	0.5
Pounds	Grains	7000
Pounds	Grams	453.59
Pounds	Ounces	16
PSI (Pounds per Sq. Inch.)	Atmospheres	0.06804
PSI (Pounds per Sq. Inch.)	Feet of Water	2.307
PSI (Lbs per Square Inch)	Inches of Mercury (Hg)	2.036
Quarts	Gallons	0.25
Square Feet	Square Inches	1.44
Temperature ($^{\circ}\text{F}-32$)	Temperature ($^{\circ}\text{C}$)	0.5555
Tons (U.S.)	Pounds	2000
Watts	Horsepower	0.001341

[illegible]

HY-SPEC IN CONSTANT EVOLUTION!



PRIORITY FLOW CONTROL
OPTION IN INLET



SECTIONAL VALVE



RETURN FILTER
ELEMENTS



D03 & D05 MANIFOLDS



PRIORITY FLOW CONTROLS



CUSTOM MOLDED COMPONENTS



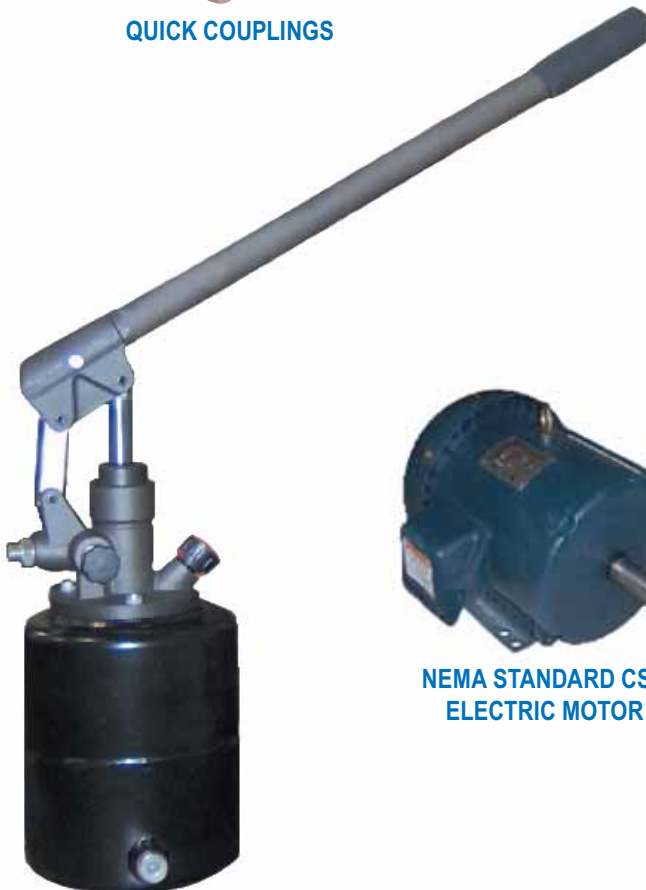
QUICK COUPLINGS



PRESSURE WASHER



SCISSOR HOIST



HAND PUMP



NEMA STANDARD CSA
ELECTRIC MOTOR

COMING SOON!

HY-SPEC HYDRAULIK specializes in the import and export of a wide range of high quality hydraulic components such as: utility cylinders, agricultural and telescopic; directional control valves; gas engines; gauges and much more.

The HY-SPEC brand name stands for high quality hydraulic components. These products, sourced from around the world, are manufactured to our High Specifications, which are established by our in house engineering department.

The HY-SPEC team members have been chosen for their experience and are trained to give courteous and efficient service, which you can depend on. Their experience totals over 100 years in the hydraulic industry. They work closely with our customers to provide the best solution for the application.



Agricultural equipment



Mobile equipment



Forestry equipment



Construction equipment

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