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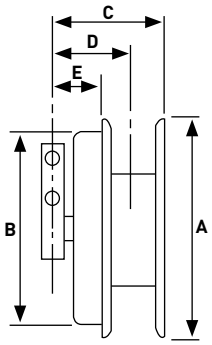
17

Hydraulic Hidráulica Hidraulique

Hydraulic Hose Reels **Carretes de Manguera Hidráulica** Enrouleurs Hydraulique

Inboard Spring Models
Ultra-Narrow



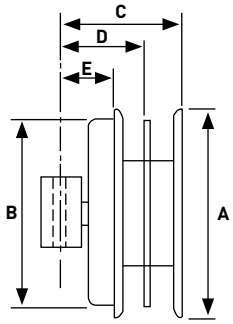
						Hose Types/Lengths SAE 100-R7 Twins		
	A ▼	B	C	D	E	#4	#6	#8
SYR6	12.50"	10.70	3.80"	2.88"	2.88"	180.00"		
	318mm	272mm	97mm	73mm	50mm	4572mm		
SYL6	12.50"	10.70"	3.80"	2.88"	2.88"	180.00"		
	318mm	272mm	97mm	73mm	50mm	4572mm		
SYR7	12.50"	10.70"	4.88"	3.75"	2.62"		147.00"	
	318mm	272mm	124mm	95mm	67mm		3734mm	
SYL7	12.50"	10.70"	4.88"	3.75"	2.62"		147.00"	
	318mm	272mm	124mm	95mm	67mm		3734mm	
SYR16	12.50"	10.70"	4.88"	3.75"	2.62"		147.00"	
	318mm	272mm	124mm	95mm	67mm		3734mm	
SYL16	12.50"	10.70"	4.88"	3.75"	2.62"		147.00"	
	318mm	272mm	124mm	95mm	67mm		3734mm	
SYR13	13.00"	10.70"	4.88"	3.75"	2.62"	156.00"		
	330mm	272mm	124mm	95mm	67mm	3962mm		
SYL13	13.00"	10.70"	4.88"	3.75"	2.62"	156.00"		
	330mm	272mm	124mm	95mm	67mm	3962mm		
SYR17	15.00"	10.70"	4.88"	3.75"	2.62"		260.00"	
	381mm	272mm	124mm	95mm	67mm		6604mm	
SYL17	15.00"	10.70"	4.88"	3.75"	2.62"		260.00"	
	381mm	272mm	124mm	95mm	67mm		6604mm	
SYR8	15.00"	10.70"	4.88"	3.75"	2.62"		260.00"	
	381mm	272mm	124mm	95mm	67mm		6604mm	
SYL8	15.00"	10.70"	4.88"	3.75"	2.62"		260.00"	
	381mm	272mm	124mm	95mm	67mm		6604mm	
SYR9	15.00"	10.70"	5.49"	3.94"	2.39"			190.00"
	381mm	272mm	139mm	100mm	61mm			4826mm
SYL9	15.00"	10.70"	5.49"	3.94"	2.39"			190.00"
	381mm	272mm	139mm	100mm	61mm			4826mm
SYR14	16.00"	14.20"	4.80"	3.75"	2.62"	272.00"		
	406mm	361mm	122mm	124mm	95mm	6909mm		
SYL14	16.00"	14.20"	4.80"	3.75"	2.62"	272.00"		
	406mm	361mm	122mm	124mm	95mm	6909mm		
SYR15	16.00"	14.20"	5.33"	3.44"	2.39"		235.00"	
	406mm	361mm	135mm	87mm	100mm		5969mm	
SYL15	16.00"	14.20"	5.33"	3.44"	2.39"		235.00"	
	406mm	361mm	135mm	87mm	100mm		5969mm	

SYR = Right Handed
SYL = Left Handed

SYR = Lado Derecho
SYL = Lado Izquierdo

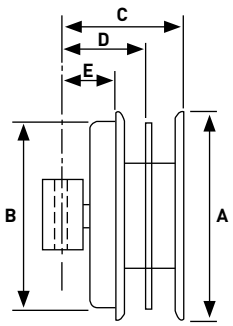
SYR = Droitier
SYL = Gaucher

Inboard Spring Models
Narrow



						Hose Types/Lengths							
						SAE 100-R7		SAE 100-R1		SAE 100-R2		SAE 100-R5	
	A ▼	B	C	D	E	#6	#8	#6	#8	#6	#8	#6	#8
SYR2	12.50"	10.70"	5.38"	3.97"	2.56"	156.00"	120.00"	156.00"	120.00"	75.00"	45.00"	156.00"	120.00"
	318mm	272mm	137mm	101mm	56mm	3962mm	3048mm	3962mm	3048mm	3962mm	3962mm	3962mm	3048mm
SYL2	12.50"	10.70"	5.38"	3.97"	2.56"	156.00"	120.00"	156.00"	120.00"	75.00"	45.00"	156.00"	120.00"
	318mm	272mm	137mm	101mm	56mm	3962mm	3048mm	3962mm	3048mm	3962mm	3962mm	3962mm	3048mm
SYR10	15.00"	10.70"	5.38"	3.97"	2.56"	250.00"	160.00"	250.00"	160.00"	160.00"	115.00"	250.00"	160.00"
	318mm	272mm	137mm	101mm	65mm	6350mm	4064mm	6350mm	4064mm	4064mm	2921mm	6350mm	4064mm
SYL10	15.00"	10.70"	5.38"	3.97"	2.56"	250.00"	160.00"	250.00"	160.00"	160.00"	115.00"	250.00"	160.00"
	318mm	272mm	137mm	101mm	65mm	6350mm	4064mm	6350mm	4064mm	4064mm	2921mm	6350mm	4064mm
SYR11	16.00"	10.70"	5.38"	3.07"	2.56"	340.00"	230.00"	340.00"	230.00"		170.00"		220.00"
	406mm	272mm	137mm	78mm	65mm	8636mm	5842mm	8636mm	5842mm		4318mm		5588mm
SYL11	16.00"	10.70"	5.38"	3.07"	2.56"	340.00"	230.00"	340.00"	230.00"		170.00"		220.00"
	406mm	272mm	137mm	78mm	65mm	8636mm	5842mm	8636mm	5842mm		4318mm		5588mm

Inboard Spring Models
Medium



						Hose Types/Lengths							
						SAE 100-R7		SAE 100-R1		SAE 100-R2		SAE 100-R5	
	A ▼	B	C	D	E	#6	#8	#6	#8	#6	#8	#6	#8
SYR4	12.50"	10.70"	6.44"	4.61"	2.76"	204.00"	156.00"	204.00"	156.00"	150.00"	120.00"	204.00"	156.00"
	318mm	272mm	164mm	117mm	70mm	5181mm	3962mm	5181mm	3962mm	3810mm	3048mm	5181mm	3962mm
SYL4	12.50"	10.70"	6.44"	4.61"	2.76"	204.00"	156.00"	204.00"	156.00"	150.00"	120.00"	204.00"	156.00"
	318mm	272mm	164mm	117mm	70mm	5181mm	3962mm	5181mm	3962mm	3810mm	3048mm	5181mm	3962mm

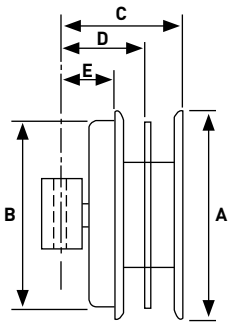
SYR = Right Handed
SYL = Left Handed

SYR = Lado Derecho
SYL = Lado Izquierdo

SYR = Droitier
SYL = Gaucher

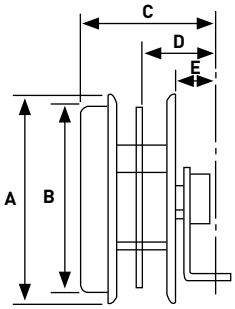
Hydraulic Hose Reels **Carretes de Manguera Hidráulica** Enrouleurs Hydraulique

Inboard Spring Models
Wide



						Hose Types/Lengths							
						SAE 100-R7		SAE 100-R1		SAE 100-R2		SAE 100-R5	
	A ▼	B	C	D	E	#6	#8	#6	#8	#6	#8	#6	#8
SYR1	12.50"	10.70"	8.10"	5.42"	2.76"	240.00"	184.00"	240.00"	184.00"		141.00"	184.00"	
	318mm	272mm	206mm	138mm	70mm	6096mm	4674mm	6096mm	4674mm		3581mm	4674mm	
SYL1	12.50"	10.70"	8.10"	5.42"	2.76"	240.00"	184.00"	240.00"	184.00"		141.00"		184.00"
	318mm	272mm	206mm	138mm	70mm	6096mm	4674mm	6096mm	4674mm		3581mm		4674mm

Outboard Spring Models
Medium



						Hose Types/Lengths							
						SAE 100-R7		SAE 100-R1		SAE 100-R2		SAE 100-R5	
	A ▼	B	C	D	E	#6	#8	#6	#8	#6	#8	#6	#8
SYR3	12.50"	10.70"	6.25"	2.98"	1.11"	180.00"	156.00"	180.00"	156.00"	156.00"	120.00"	180.00"	156.00"
	318mm	272mm	159mm	76mm	28mm	4572mm	3962mm	4572mm	3962mm	3962mm	3048mm	4572mm	3962mm
SYL3	12.50"	10.70"	6.25"	2.98"	1.11"	180.00"	156.00"	180.00"	156.00"	156.00"	120.00"	180.00"	156.00"
	318mm	272mm	159mm	76mm	28mm	4572mm	3962mm	4572mm	3962mm	3962mm	3048mm	4572mm	3962mm

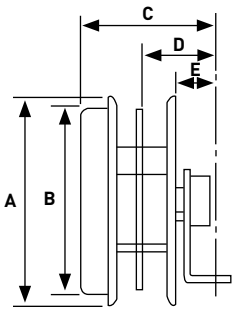
SYR = Right Handed
SYL = Left Handed

SYR = Lado Derecho
SYL = Lado Izquierdo

SYR = Droitier
SYL = Gaucher

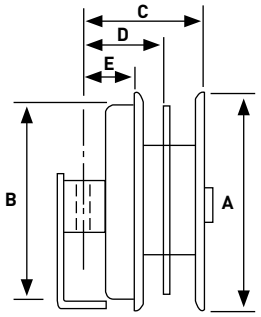
Hydraulic Hose Reels **Carretes de Manguera Hidráulica** Enrouleurs Hydraulique

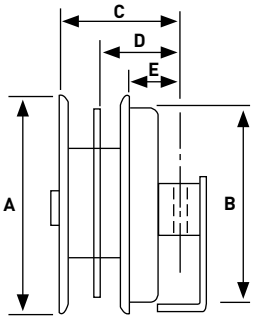
Outboard Spring Models
Wide



						Hose Types/Lengths							
						SAE 100-R7		SAE 100-R1		SAE 100-R2		SAE 100-R5	
	A ▼	B	C	D	E	#6	#8	#6	#8	#6	#8	#6	#8
SYR5	12.50"	10.70"	8.08"	5.42"	2.76"	240.00"	184.00"	240.00"	184.00"		141.00"	184.00"	
	318mm	272mm	205mm	138mm	70mm	6096mm	4674mm	6096mm	4674mm		3581mm	4674mm	
SYL5	12.50"	10.70"	8.08"	5.42"	2.76"	240.00"	184.00"	240.00"	184.00"		141.00"	184.00"	
	318mm	272mm	205mm	138mm	70mm	6096mm	4674mm	6096mm	4674mm		3581mm	4674mm	

Quad Hose Reels
Quad Reels





						Hose Types/Lengths							
						SAE 100-R7		SAE 100-R1		SAE 100-R2		SAE 100-R5	
	A ▼	B	C	D	E	#6	#8	#6	#8	#6	#8	#6	#8
SYR18	15.00"	13.00"	5.23"	3.73"	2.20"	289.00"							
	381mm	330mm	133mm	95mm	56mm	7341mm							
SYL18	15.00"	13.00"	5.23"	3.73"	2.20"	289.00"							
	381mm	330mm	133mm	95mm	56mm	7341mm							

SYR = Right Handed
SYL = Left Handed

SYR = Lado Derecho
SYL = Lado Izquierdo

SYR = Droitier
SYL = Gaucher

Hydraulic Hose Reels **Carretes de Manguera Hidráulica** Enrouleurs Hydraulique

SYR12

- Sheave: 11.60"
- Spring: 10.70"
- Right hand

SYL12

- Sheave: 11.60"
- Spring: 10.70"
- Left hand

Hydraulic Hose Reel Accessories

	Description
SY2570-4	Seal kit for all reels except SYR18 and SYL18
SY5024-7	Seal kit for reels SYR18 and SYL18
SY5024CS	Cold storage SYR18 and SYL18
SY40939	Swivel #8

SY40938	Swivel #6

	Description
SY47045	Hose restraint

SY38626	Relief strain

SY38747	Hose restraint

Hydraulic Units **Unidades Hidráulicas** Unités Hydrauliques

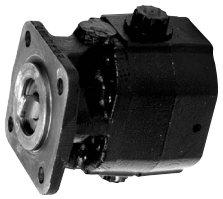
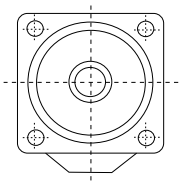
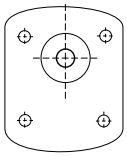
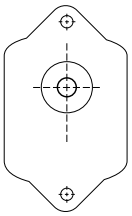
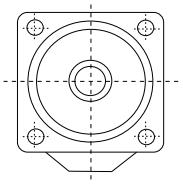
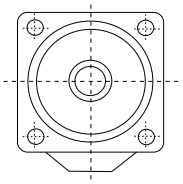
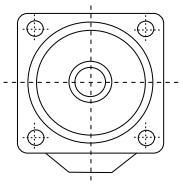
	Motor ▼	Reservoir	Direction
SY93124	24V	1.5qt	CCW
SY93125	24V	2.0qt	CCW
SY80937	24V	1.0qt	

Hydraulic Pumps **Bombas Hidráulicas** Pompes Hydrauliques

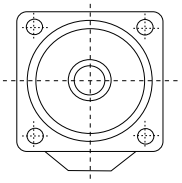
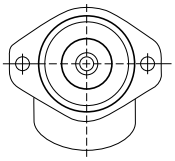
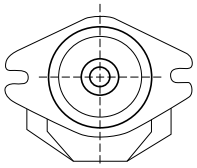
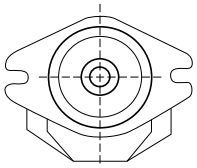
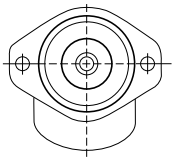
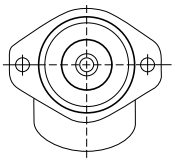
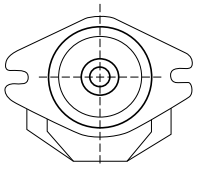
Rotation

CW = Clockwise

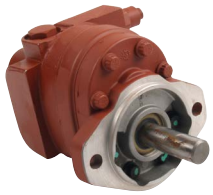
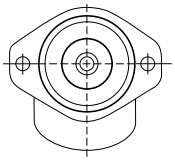
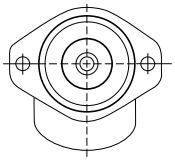
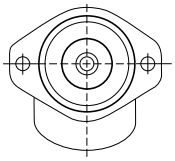
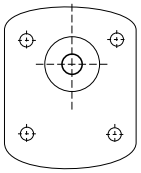
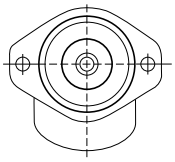
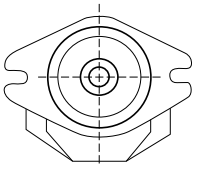
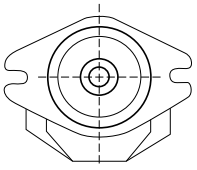
CCW = Counter Clockwise

	Flange Type	**Length ▼**		Number of Splines	Rotation
SY51308		1.78"	45mm		CW
					
SY30059		3.11"	79mm		CW
					
SY86766		3.15"	80mm		CW
					
SY28-100516		3.46"	88mm		
					
SY1240007		3.79"	96mm		CCW
					
SY94031		3.96"	101mm		CCW
					

Hydraulic Pumps **Bombas Hidráulicas** Pompes Hydrauliques

	Flange Type	**Length** ▼		Number of Splines	Rotation
SY28-100533		3.97"	101mm		CCW
					
SY27488		4.17"	106mm		CW
					
SY94442		4.17"	106mm	10	CW
					
SY35080		4.17"	106mm	10	CW
					
SY77312		4.69"	119mm	9	CCW
					
SY35169		5.11"	130mm		CW
					
SY59325		5.75"	146mm	11	CW
					

Hydraulic Pumps Bombas Hidráulicas Pompes Hydrauliques

	Flange Type	Length ▼		Number of Splines	Rotation
SY680795		5.85"	149mm	Key	CW
					
SY94484		5.94"	151mm	10	CW
					
SY37354		5.97"	152mm	9	CW
					
SY35429		6.04"	154mm		CW
					
SY94437		6.09"	155mm	10	CCW
					
SY94090		6.09"	155mm	10	CW
					
SY71911		6.09"	155mm	10	CW
					

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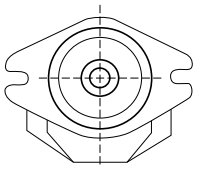
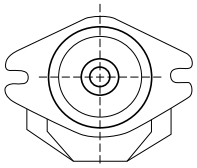
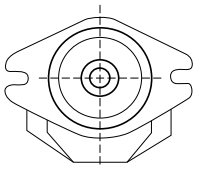
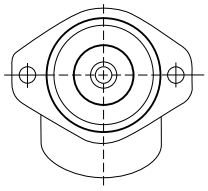
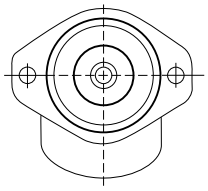
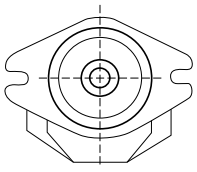
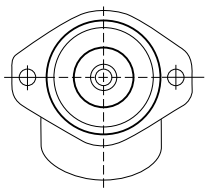
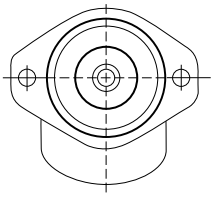
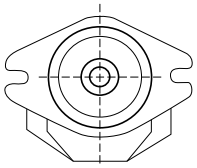
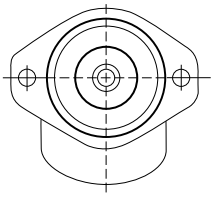
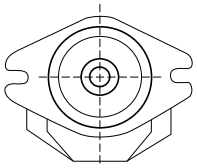
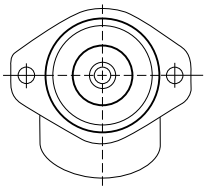
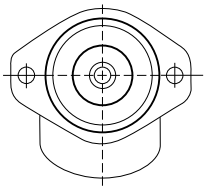
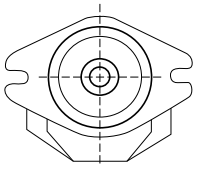
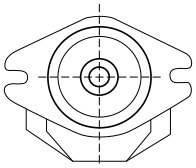
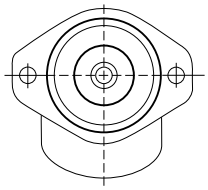
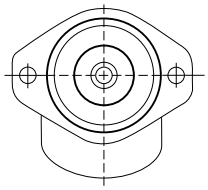
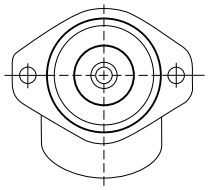
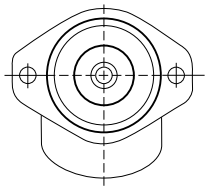
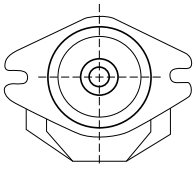
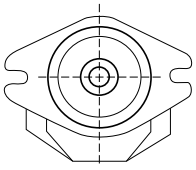
	Flange Type	**Length ▼**		Number of Splines	Rotation
SY94456		6.09"	155mm	10	CW
					
SY94445		6.13"	156mm	10	CW
					
SY94447		6.17"	157mm	10	CW
					
SY94448		6.21"	158mm	10	CW
					
SY94028		6.22"	158mm	9	CCW
					
SY94431		6.29"	160mm	10	CW
					
SY94449		6.29"	160mm	10	CW
					

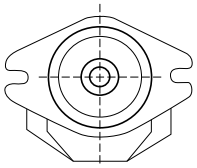
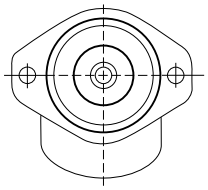
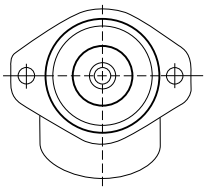
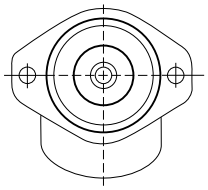
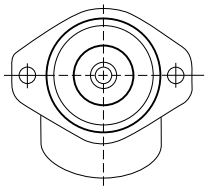
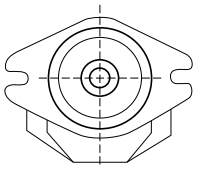
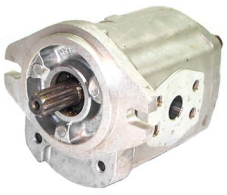
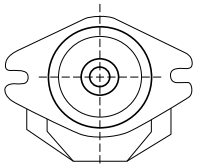
Hydraulic Pumps **Bombas Hidráulicas** Pompes Hydrauliques

	Flange Type	**Length ▼**		Number of Splines	Rotation
SY94438		6.33"	161mm	10	CCW
					
SY94029		6.35"	161mm	10	CW
					
SY93100		6.38"	162	11	CCW
					
SY94441		6.44"	164mm	10	CW
					
SY71910		6.48"	165mm	10	CW
					
SY94452		6.48"	165mm	10	CW
					
SY94453		6.48"	165mm	10	CW
					

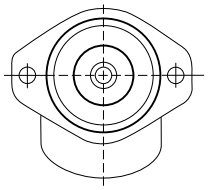
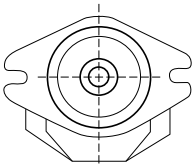
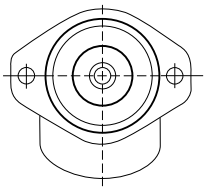
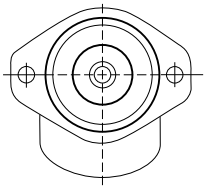
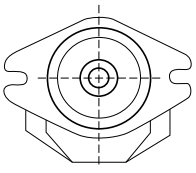
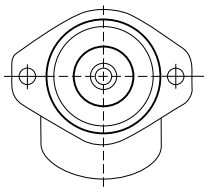
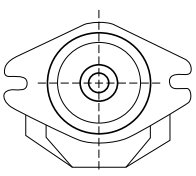
Hydraulic Pumps **Bombas Hidráulicas** Pompes Hydrauliques

	Flange Type	**Length ▼**		Number of Splines	Rotation
SY94034		6.50"	165mm	10	CW
					
SY94458		6.52"	166mm	10	CW
					
SY94459		6.52"	166mm	10	CW
					
SY71913		6.52"	166mm	10	CW
					
SY94027		6.54"	166mm	10	CW
					
SY94430		6.64"	169mm	10	CCW
					
SY94022		6.65"	169mm	10	CW
					

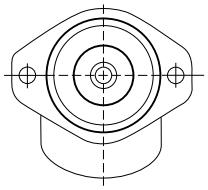
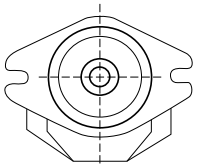
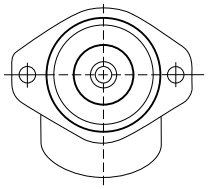
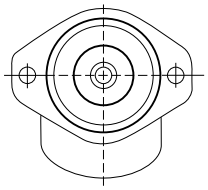
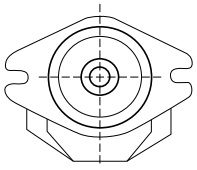
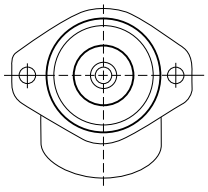
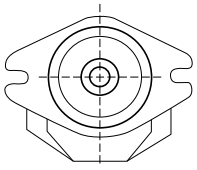
Hydraulic Pumps Bombas Hidráulicas Pompes Hydrauliques

	Flange Type	Length ▼		Number of Splines	Rotation
SY52556		6.65"	169mm	11	CCW
					
SY94457		6.68"	170mm	10	CW
					
SY32143		6.69"	170mm		CW
					
SY94455		6.72"	171mm	10	CW
					
SY94451		6.79"	173mm	10	CW
					
SY94446		6.84"	174mm	10	CW
					
SY94450		6.84"	174mm	10	CW
					

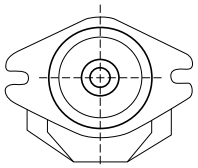
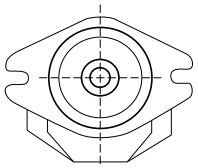
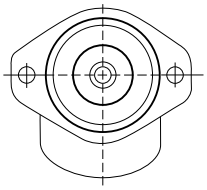
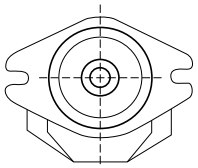
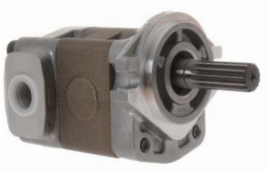
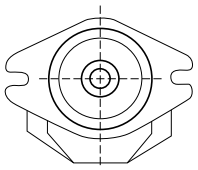
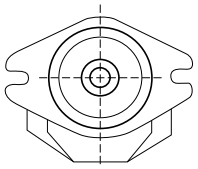
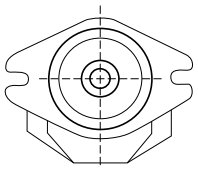
Hydraulic Pumps **Bombas Hidráulicas** Pompes Hydrauliques

	Flange Type	**Length ▼**		Number of Splines	Rotation
SY94026		6.85"	174mm	10	CW
					
SY94024		7.28"	185mm	9	CW
					
SY94025		7.34"	186mm	11	CW
					
SY32052		7.56"	192mm		CCW
					
SY37355		7.58"	193mm	11	CW
					
SY91912		7.76"	197mm	10	CW
					
SY37288		7.82"	199mm		CW
					

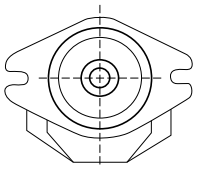
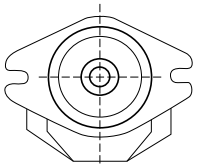
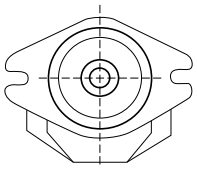
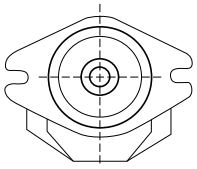
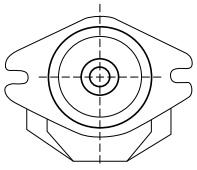
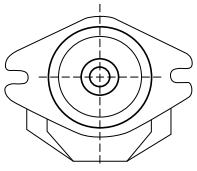
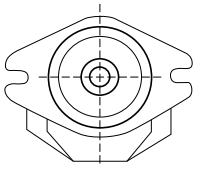
Hydraulic Pumps **Bombas Hidráulicas** Pompes Hydrauliques

	Flange Type	**Length ▼**		Number of Splines	Rotation
SY94454		7.82"	199mm	10	CW
					
SY108093		7.87"	200mm	10	CCW
					
SY94434		8.06"	205mm	10	CCW
					
SY108090		8.06"	205mm	10	CCW
					
SY94032		8.25"	210mm	10	CCW
					
SY94033		8.25"	210mm	10	CW
					
SY37356		8.27"	211mm	11	CCW
					

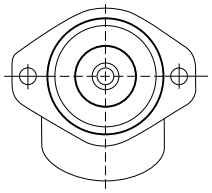
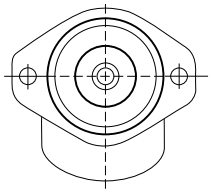
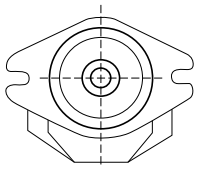
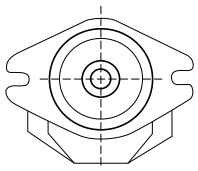
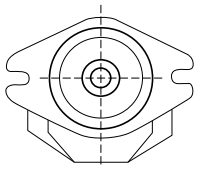
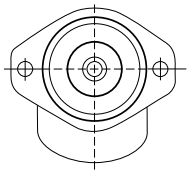
Hydraulic Pumps **Bombas Hidráulicas** Pompes Hydrauliques

	Flange Type	Length ▼		Number of Splines	Rotation
SY80996		8.34"	213mm	11	CCW
					
SY45274		8.35"	213mm	10	CW
					
SY108085		8.37"	213	9	CCW
					
SY94439		8.45"	215mm	10	CW
					
SY1240024		8.45"	215mm	13	CCW
					
SY37353		8.64"	220mm	10	CW
					
SY94440		8.64"	220mm	10	CW
					

Hydraulic Pumps Bombas Hidráulicas Pompes Hydrauliques

	Flange Type	Length ▼		Number of Splines	Rotation
SY82755		8.64"	220mm	10	CW
					
SY94443		8.64"	220mm	10	CCW
					
SY94436		8.92"	227mm	13	CCW
					
SY31668		9.06"	230mm	11	CCW
					
SY108094		9.17"	233mm	13	CCW
					
SY94030		9.21"	234mm	13	CCW
					
SY45125		9.29"	236mm	11	CCW
					

Hydraulic Pumps **Bombas Hidráulicas** Pompes Hydrauliques

	Flange Type	**Length ▼**		Number of Splines	Rotation
SY94433		10.14"	258mm	10	CCW
					
SY94435		10.31"	263mm	10	CCW
					
SY32660		10.51"	267mm	11	CCW
					
SY94388		10.55"	268mm	13	CCW
					
SY94444		11.43"	291mm	10	CW
					
SY94432		13.32"	339mm	13	CCW
					

Hydraulic Knobs Manijas de Dirección Boutons de Direction

Knobs with Hole or Internal Thread

	Diameter ▼	Length	Used for
SY1232390	0.71" 18mm	2.54" 65mm	Genie
SY80157	0.71" 18mm	2.72" 69mm	Yale
SY53857	0.79" 20mm	2.36" 60mm	Yale
SY83490	0.87" 22mm	2.36" 60mm	TCM
SY87710	1.03" 26mm	2.73" 69mm	Komatsu

	Diameter ▼	Length	Used for
SY39708	1.18" 30mm	2.72" 69mm	Baker Linde
SY1232391	1.38" 35mm	4.40" 112mm	PowerBoss
SY87712	1.54" 39mm	2.59" 66mm	Komatsu
SY91717	1.57" 40mm	2.50" 64mm	Mitsubishi
SY107931	1.57" 40mm	2.51" 64mm	Mitsubishi

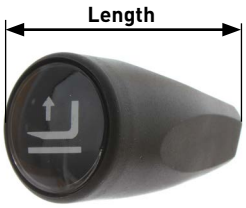
Hydraulic Knobs **Manijas de Dirección** Boutons de Direction

	Diameter ▼	Length	Used for
SY91718	1.63" 41mm	2.44" 62mm	Daewoo
SY91060	1.65" 42mm	2.56" 65mm	Nissan
SY45370	1.86" 47mm	1.46" 37mm	Hyster
SY91723	1.97" 50mm	2.51" 64mm	Clark
SY91721	3.93" 100mm	1.87" 47mm	Toyota

	Diameter ▼	Length	Used for
SY76938	2.09" 53mm		Toyota
SY76937	2.17" 55mm		Toyota
SY87533	2.48" 63mm		Toyota
SY87711	2.59" 66mm		Toyota

Hydraulic Knobs Manijas de Dirección Boutons de Direction

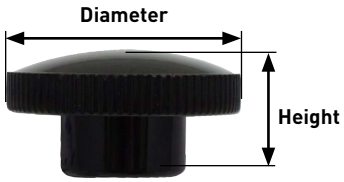
Replacement Hydraulic Lever Knobs



	Marking ▼	Thread	Length	
SY74059		M8 X 1.5	0.59''	15mm
SY74064		M10 X 1.5	0.98''	25mm
SY74060		M8 X 1.5	0.59''	15mm
SY74065		M10 X 1.5	0.98''	25mm
SY74061		M8 X 1.5	0.59''	15mm

	Marking ▼	Thread	Length	
SY74066		M10 X 1.5	0.98''	25mm
SY74062		M8 X 1.5	0.59''	15mm
SY74067		M10 X 1.5	0.98''	25mm
SY74058		M8 X 1.5	0.59''	15mm
SY74063		M10 X 1.5	0.98''	25mm

Clamping Knobs



	Diameter ▼	Height	Used for
SY87717	0.22" 6mm	0.63" 16mm	Nissan
SY1232440	1.00" 25mm	0.50" 13mm	Raymond

	Diameter ▼	Height	Used for
SY1211503	1.00" 25mm	0.75" 19mm	Tennant
SY91722	1.13" 29mm	1.23" 31mm	Komatsu

Hydraulic Knobs **Manijas de Dirección** Boutons de Direction

	Diameter ▼	Height	Used for
SY91720	1.13" 29mm	1.48" 38mm	Komatsu

	Diameter ▼	Height	Used for
SY91040	1.69" 43mm	1.46" 37mm	Nissan

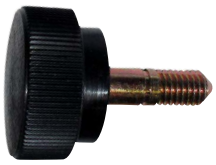
	Diameter ▼	Height	Used for
SY81237	1.18" 30mm	1.26" 32mm	Yale

	Diameter ▼	Height	Used for
SY110000	1.75" 44mm	1.00" 25mm	PowerBoss

	Diameter ▼	Height	Used for
SY87720	1.18" 30mm	1.46" 37mm	Toyota

	Diameter ▼	Height	Used for
SY1232395	1.75" 44mm	1.28" 33mm	Yale

	Diameter ▼	Height	Used for
SY88875	1.22" 31mm	1.69" 43mm	Toyota



	Diameter ▼	Height	Used for
SY87718	1.88" 48mm	0.97" 25mm	Crown

	Diameter ▼	Height	Used for
SY1232393	1.22" 31mm	1.69" 43mm	Toyota

	Diameter ▼	Height	Used for
SY87699	1.88" 48mm	1.72" 44mm	Crown

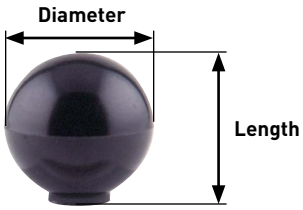
	Diameter ▼	Height	Used for
SY1232392	1.50" 38mm	3.23" 82mm	Advance

	Diameter ▼	Height	Used for
SY1232394	2.38" 60mm	1.25" 32mm	PowerBoss

Hydraulic Knobs Manijas de Dirección Boutons de Direction

	Diameter ▼	Height	Used for
SY1232396	2.38" 60mm	1.31" 33mm	Genie
SY87700	2.56" 65mm	1.13" 29mm	Crown
SY87958	2.46" 62mm	2.25" 57mm	Crown
SY1210238	2.80" 72mm	1.10" 28mm	Tennant

Ball Knobs



	Diameter ▼	Height	Material	Mounting Diameter	Mounting Type	Thread Length
SY680928	1.00" 25mm	0.79" 20mm	Phenolic	¼-20	Female insert	0.44" 11mm
SY81734	1.10" 28mm	0.79" 20mm	Plastic	¼-20	Female insert	0.45" 11mm
SY42126	1.25" 32mm	1.25" 32mm	Thermoset	⅜-24	Molded thread	0.63" 16mm
SY36416	1.25" 32mm	1.50" 38mm	Thermoset	5⁄16-18	Molded thread	0.63" 16mm

Hydraulic Knobs **Manijas de Dirección** Boutons de Direction

	Diameter ▼	Height	Material	Mounting Diameter	Mounting Type	Thread Length
SY1232388	1.25" 32mm	1.50" 38mm	Thermoset	¼-20	Projecting stud	0.37" 9mm
SY1232386	1.38" 35mm	1.30" 33mm	Duroplast	M10	Molded thread	0.59" 15mm
SY32760	1.50" 38mm	1.42" 36mm	Duroplast		Plain molded	0.79" 20mm
SY54066	1.57" 40mm	1.50" 38mm	Duroplast	M12	Molded thread	0.71" 18mm
SY1232387	1.63" 41mm	1.46" 37mm	Phenolic	½-13	Female insert	0.63" 16mm
SY82966	1.73" 44mm	1.69" 43mm	Duroplast		Plain molded	0.91" 23mm
SY1232389	1.88" 48mm	1.80" 46mm	Phenolic	½-13	Female insert	0.63" 16mm

Hydraulic Levers **Manijas de Dirección** Boutons de Direction

SY1241139

SY1241211

SY1241198

SY1241149

SY81036

SY1241151

SY1241186

SY81035

SY1241115

SY1241207

SY44943

SY1241178

SY81772

SY83172

SY1241177

SY81771

SY44959

SY99-03396

SY81770

SY39644

SY54700

SY1241144

SY1241213

SY1241174

Hydra Smooth

The Hydra Smooth is a hydraulic accumulator designed to reduce hydraulic pressure on forklifts, and in the process, reduce shock and vibration levels. Hydra Smooth turns your lift cylinders into a shock absorbing system.

Hydra Smooth es un acumulador hidráulico diseñado para reducir la presión hidráulica en los montacargas. y en el proceso, reduce los niveles de impacto y vibración. Hydra Smooth convierte sus cilindros de elevación en un sistema de amortiguación.

Hydra Smooth est un accumulateur hydraulique concu pour réduire la pression hydraulique sur les chariots élévateurs, at dans le processus, réduire les niveaux d'impact et de vibration. Hydra Smooth convertit les vérins de levage en un systéme d'amortissement.

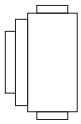
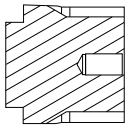
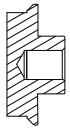
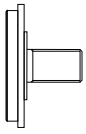
- Smooth ride with less vibrations
- Reduces maintenance downtime
- Cuts expenses thanks to longer part life
- Reduces operator fatigue
- Cushions products as they are moved reducing loss from damage

- Conducción suave y con menos vibración
- Reduce el tiempo de mantenimiento
- Reduce costos gracias a que la larga vida de la parte
- Reduce la fatiga del operador
- Protege los productos a medida que se mueven reduciendo perdida por daños

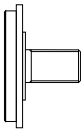
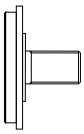
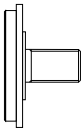
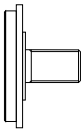
- Conduite plus agréable avec moins de vibrations
- Réduit le temps dédier á la mainlenance
- Réduit le côut grâce á ne durée de vie plus importante de la piéce
- Réduit la fatigue de conductour
- Protége les produits á mesure qú ils sont déplacés, réduisant les pertes dû á des endommagements

	Description	**Dimensions ▼**	Weight
SYHS-50T SYHS-50V-T	Tilt Cylinder Tilt Cylinder with Valve	2.5" x 15.0" 64mm x 381mm	1,000 - 2,000lb Lift Trucks
SYHS-100NV-T SYHS-100T	Accumulator Accumulator with valve	2.5" x 22.0" 64mm x 559mm	3,000 - 12,000lb Lift Trucks
SYHS-200T	Accumulator with valve	5.0" x 18.0" 127mm x 457mm	13,000 - 50,000lb Lift Trucks
SYHS-300T	Accumulator with valve	7.0" x 18.0" 178mm x 457mm	50,000 - 100,000lb Lift Trucks
SYHS-25	Accumulator charging kit		

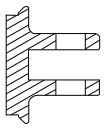
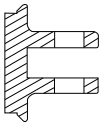
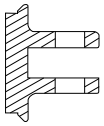
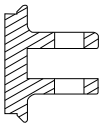
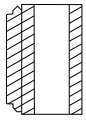
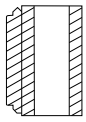
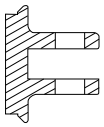
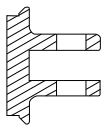
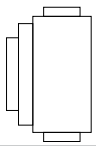
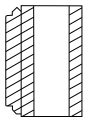
Hydraulic Cylinders Cilindros Hidráulicos Vérins Hydrauliques

	Base Type	Cylinder Type ▼	Total Cylinder Length Fully Retracted
SY94538		Lift / Single-Acting	10.65" 271mm
SY93027	Special base	Sideshift	22.80" 580mm
SY87573	Special base	Special	24.29" 617mm
SY57606	Special base	Special	24.20" 615mm
SY28-103100	No piston base	Steering	11.83" 300mm
SY93139		Steering	18.45" 469mm
SY93131		Steering	19.53" 496mm
SY93134		Steering	20.08" 510mm
SY57034	No piston base	Steering	20.43" 519mm
SY33005	No piston base	Steering	20.47" 520mm

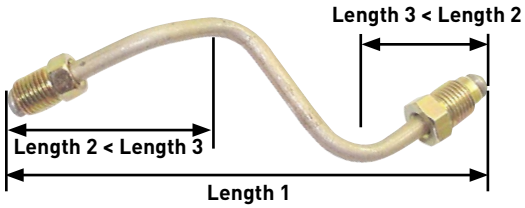
Hydraulic Cylinders Cilindros Hidráulicos Vérins Hydrauliques

	Base Type	Cylinder Type ▼	Total Cylinder Length Fully Retracted
SY52602	No piston base	Steering	20.47" 520mm
SY93130		Steering	20.47" 520mm
SY93138		Steering	21.26" 540mm
SY35215	No piston base	Steering	21.85" 555mm
SY87841	No piston base	Steering	22.05" 560mm
SY108082		Steering	22.84" 580mm
SY93132	No piston base	Steering	23.62" 600mm
SY93135	No piston base	Steering	24.41" 620mm
SY44776	Special base	Steering	24.61" 625mm
SY93137	No piston base	Steering	26.38" 670mm
SY41026		Steering	26.38" 670mm
SY93136	No pistons base	Steering	27.95" 710mm

Hydraulic Cylinders Cilindros Hidráulicos Vérins Hydrauliques

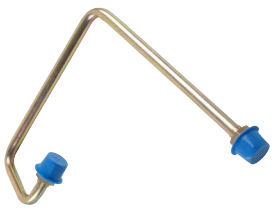
		Base Type	Cylinder Type ▼	Total Cylinder Length Fully Retracted
SY44987			Tilt / double-acting	12.80" 325mm
SY33120			Tilt / double-acting	13.19" 335mm
SY35010			Tilt / double-acting	14.06" 357mm
SY93133			Tilt / double-acting	14.37" 365mm
SY87851			Tilt / double-acting	17.48" 444mm
SY87843			Tilt / double-acting	17.72" 450mm
SY87856			Tilt / double-acting	18.11" 460mm
SY87855			Tilt / double-acting	18.23" 463mm
SY87846			Tilt / double-acting	5.87" 149mm
SY87842			Tilt / double-acting	20.55" 522mm
SY87840		No piston base	Tilt / double-acting	5.87" 149mm

Hydraulic Tubes **Tubos Hidráulicos** Tubes Hydrauliques



	Length 1 ▼	Length 2	Thread	Length 3	Thread	Bends	Fittings
SY52197	2.50" 63mm	1.50" 38mm		1.75" 44mm		1	Yes
SY45161	3.00" 76mm	2.00" 50mm	5/16"	2.50" 63mm	3/8"	1	Yes
SY94074	3.15" 80mm	0.98" 25mm				1	Yes
SY56788	4.13" 105mm	3.54" 90mm		3/8"	3/8"	3	Yes
SY94078	5.00" 127mm	2.50" 63mm	5/16"	3.00" 76mm	7/16"	1	Yes

Hydraulic Tubes Tubos Hidráulicos Tubes Hydrauliques

	Length 1 ▼	Length 2	Thread	Length 3	Thread	Bends	Fittings
SY945676	5.50" 140mm	3.50" 90mm	½"	1.00" 25mm	½"	1	Yes
SY81400	5.71" 145mm	1.10" 28mm	⅜"	3.15" 80mm	⅜"	2	Yes
SY76008	7.00" 177mm	3.00" 76mm	5/16"	4.00" 101mm	⅜"	2	Yes
SY94077	7.00" 177mm	2.00" 50mm	5/16"	4.00" 101mm	5/16"	2	Yes
SY81532	7.00" 177mm	2.00" 50mm	7/16"	7.00" 177mm	⅜"	3	Yes
							
SY94076	7.00" 177mm	3.00" 76mm	5/16"	4.00" 101mm	⅜"	3	Yes
SY94605	8.00" 203mm	5.00" 127mm	7/16"	1.00" 25mm	7/16"	1	Yes

Hydraulic Tubes **Tubos Hidráulicos** Tubes Hydrauliques

	Length 1 ▼	Length 2	Thread	Length 3	Thread	Bends	Fittings
SY44101	8.00" 203mm	2.50" 63mm	3/8"	6.00" 152mm	7/16"	2	Yes
SY76007	8.00" 203mm	1.50" 38mm	3/8"	2.00" 50mm	3/8"	2	Yes
SY94463	8.00" 203mm	2.50" 63mm	3/8"	3.00" 76mm	5/16"	1	Yes
SY56787	8.98" 228mm	4.13" 105mm		3/8"	3/8"	3	Yes
SY94083	9.00" 228mm	3.00" 76mm	5/16"	4.00" 101mm	3/8"	2	Yes
SY94577	9.25" 235mm	4.50" 114mm	1/2"	2.00" 50mm	1/2"	1	Yes
SY76006	9.25" 235mm	1.38" 35mm	5/16"	1.81" 46mm	3/8"	5	Yes
SY76004	10.00" 254mm	1.00" 25mm	1/2"	2.00" 50mm	7/16"	2	Yes
SY94075	12.01" 305mm					1	Yes

Hydraulic Tubes Tubos Hidráulicos Tubes Hydrauliques

	Length 1 ▼	Length 2	Thread	Length 3	Thread	Bends	Fittings
SY94947	14.37" 365mm	1.26" 32mm	M12	1.26" 32mm	M12	2	Yes
SY94948	15.00" 381mm	2.00" 50mm	3/8"	2.00" 50mm	3/8"	2	Yes
SY46909	28.00" 711mm	2.00" 50mm	1/2"	27.00" 685mm	3/8"	2	Yes
SY93102	28.00" 711mm	3.00" 76mm	7/16"	5.50" 139mm	5/16"	6	Yes
SY94063	28.00" 711mm	4.00" 101mm	7/16"	16.00" 406mm	5/16"	5	Yes
SY46910	29.00" 736mm	3.00" 76mm	1/2"	10.00" 254mm	7/16"	3	Yes
SY94060	30.00" 762mm	4.00" 101mm	5/16"	16.00" 406mm	3/8"	3	Yes
SY94461	31.00" 787mm	2.00" 50mm	3/8"	3.00" 76mm	5/16"	6	Yes
SY94462	34.00" 863mm	3.00" 76mm	3/8"	6.00" 152mm	5/16"	6	Yes

Lift Cylinder Seal Kits **Kits de Empaques para Cilindros de Elevación** Kits d'étanchéité pour cylindres de levage

- These kits will fit Hydraulic Lift Cylinders. Seals are designed specifically for applications to prevent leakage, contamination and to contain pressure
- High quality materials
- Long lasting
- Custom seals to fit your cylinder
- Smoother strokes

- Estos kits se ajustan a los cilindros hidráulicos de elevación. Los sellos están diseñados específicamente para aplicaciones que evitan fugas, contaminación y para contener la presión.
- Materiales de alta calidad
- Larga duración
- Sellos personalizados para adaptarse a su cilindro
- Trazos más suaves

- Ces kits seront adaptés aux cylindres de levage. Les joints d'étanchéité sont conçus spécifiquement pour les applications visant à prévenir les fuites, la contamination et à contenir la pression.
- Matériaux de haute qualité
- Longue durée de vie
- Faite sur mesure pour votre cylindre
- Coups plus lisses

Allis Chalmers/Tusk	Fasse Cranes	Nissan (Datsun)
American Lincoln	Gehl	Perkins
Baker	Genie Ariel Lift	Prime Mover
Barrett	Gradall	Raymond
Big Joe	Grove/Manlift	Reynolds Scraper
Bobcat	Hyster	Samsung
Broderson Crane	Hyundai	Skyjack
BT	JLG	Snorkel
Cascade	John Deere	Takeuchi
Case	Jungheinrich	TCM
Caterpillar	Kobelco	Teledyne Princeton
Clark	Komatsu	Toyota
Crown	Linde	Up-Right
Daewoo	Manitou	Volvo
Drexel	Mitsubishi	Yale
Esco	Multiton (MIC)	

Tilt Cylinder Seal Kits **Kits de Sellos de Cilindro de Inclinación** Kits d'étanchéité pour cylindres basculant

- These kits will fit Hydraulic Tilt Cylinders. Seals are designed specifically for applications to prevent leakage, contamination and to contain pressure
- High quality materials
- Long lasting
- Custom seals to fit your cylinder
- Smoother strokes

- Estos kits se ajustan a los cilindros hidráulicos de inclinación. Los sellos están diseñados específicamente-para aplicaciones que evitan fugas, contaminación y para contener la presión.
- Materiales de alta calidad
- Larga duración
- Sellos personalizados para adaptarse a su cilindro
- Trazos más suaves

- Ces kits seront adaptés aux cylindres basculant. Les joints d'étanchéité sont conçus spécifiquement pour les applications visant à prévenir les fuites, la contamination et à contenir la pression
- Matériaux de haute qualité
- Longue durée de vie
- Faite sur mesure pour votre cylindre
- Coups plus lisses

Allis Chalmers/Tusk	Halla	Prime Mover
Baker	Helmar	Raymond
Barrett	Hitachi	Samsung
Big Joe	Hyster	Sky Trak
Bobcat	Hyundai	Tailift
Cascade	John Deere	Taylor
Case	Kalmar LMV	TCM
Caterpillar	Komatsu	Teledyne Princeton
Clark	Linde	Toyota
Crown	Mitsubishi	White Mobilift
Daewoo	Moffett	Yale
Fasse Cranes	Nissan (Datsun)	
Gehl	Perkins	

Sideshift Cylinder Kits **Kits de Empaques para desplazamiento lateral** Kits d'étanchéité pour cylindres déplacement latéral

- These kits will fit Hydraulic Sideshift Cylinders. Seals are designed specifically for applications to prevent leakage, contamination and to contain pressure
- High quality materials
- Long lasting
- Custom seals to fit your cylinder
- Smoother strokes

- Estos kits encajarán con cilindros hidráulicos de desplazamiento lateral. Los sellos están diseñados específicamente para aplicaciones que evitan fugas, contaminación y para contener la presión.
- Materiales de alta calidad
- Larga duración
- Sellos personalizados para adaptarse a su cilindro
- Trazos más suaves

- Ces kits seront adaptés aux cylindres déplacement latéral. Les joints d'étanchéité sont conçus spécifiquement pour les applications visant à prévenir les fuites, la contamination et à contenir la pression.
- Matériaux de haute qualité
- Longue durée de vie
- Faite sur mesure pour votre cylindre
- Coups plus lisses

Allis Chalmers/Tusk	Drexel	Nissan (Datsun)
Bolzoni	Halla	TCM
Cascade	Hyster	Teledyne Princeton
Caterpillar	Hyundai	Toyota
Clark	Komatsu	Yale
Crown	Mitsubishi	
Daewoo	Moffett	

Steering Kits **Kits de Empaques para Cilindros de Dirección** Kits d'étanchéité pour Cylindres de Virage

- These kits will fit Hydraulic Steering Systems. Seals are designed specifically for applications to prevent leakage, contamination and to contain pressure
- High quality materials
- Long lasting
- Custom seals to fit your cylinder
- Smoother strokes

- Estos kits encajarán con sistemas de dirección hidráulicos. Los sellos están diseñados específicamente para aplicaciones que evitan fugas, contaminación y para contener la presión.
- Materiales de alta calidad
- Larga duración
- Sellos personalizados para adaptarse a su cilindro
- Trazos más suaves

- Ces kits seront adaptés auxcylindres de virage. Les joints d'étanchéité sont conçus spécifiquement pour les applications visant à prévenir les fuites, la contamination et à contenir la pression.
- Matériaux de haute qualité
- Longue durée de vie
- Faite sur mesure pour votre cylindre
- Coups plus lisses

Allis Chalmers/Tusk	Hamech	Power Boss
Baker	Hyster	Samsung
Broderson Crane	Hyundai	Sky Trak
Cascade	JLG	Skyjack
Case	John Deere	Snorkel
Caterpillar	Kalmar LMV	Tailift
Clark	Komatsu	TCM
Crown	Linde	Tennant
Daewoo	Manitou	Toyota
Euroyen	MEC	Up-Right
Gehl	Mitsubishi	Yale
Genie Ariel Lift	Nexen	
Halla	Nissan (Datsun)	

Valve Kits **Kits de Empaques para Válvulas** Kits d'étanchéité pour Vannes Hydrauliques

- Kits include parts for directional control valves, pressure control valves and flow control valves. Hydraulic valve kits help valves to control the flow of fluid in your hydraulic system.
- High quality materials
- Long lasting
- Variety of kits to fit all different types of valves

- Los juegos de válvulas hidráulicas controlan el flujo de fluido en su sistema hidráulico. El kit incluye válvulas de control direccional, válvulas de control de presión y válvulas de control de flujo.
- Materiales de alta calidad
- Larga duración
- Sellos personalizados para adaptarse a su cilindro
- Trazos más suaves

- Les kits comprennent des pièces pour les vannes de commande directionnelles, les vannes de régulation de pression et les vannes de régulation de débit. Les kits de vannes hydrauliques aident les vannes à contrôler le flux de fluide dans votre système hydraulique.
- Matériaux de haute qualité
- Longue durée de vie
- Faite sur mesure pour votre cylindre
- Coups plus lisses

Allis Chalmers/Tusk	Genie Aerial Lift	Moffett
Baker	Grove/Manlift	Nissan (Datsun)
Bobcat	Heli	Raymond
Bosch	Hyster	Reach All
BT	Hyundai	Samsung
Cascade	Ingersoll-Rand	Snorkel
Caterpillar	JLG	TCM
Clark	Kalmar LMV	Toyota
Continental	Komatsu	Vickers
Crown	Linde	Volvo
Daewoo	Manitou	White Mobilift
Drexel	Mitsubishi	Yale

Pump Kits **Kits de empaques para bomba** Kits d'étanchéité pour Pompes Hydrauliques

- These kits will fit Hydraulic Pumps. Seals are designed specifically for applications to prevent leakage, contamination and to contain pressure.
- High quality materials
- Long lasting
- Custom seals
- Prevents leaking and improves performance

- Estos kits caben bombas hidráulicas. Los sellos están diseñados específicamente para aplicaciones que evitan fugas, contaminación y para contener la presión.
- Materiales de alta calidad
- Larga duración
- Sellos personalizados para adaptarse a su cilindro
- Trazos más suaves

- Ces kits seront adaptés aux pompes hydrauliques. Les joints d'étanchéité sont conçus spécifiquement pour les applications visant à prévenir les fuites, la contamination et à contenir la pression.
- Matériaux de haute qualité
- Longue durée de vie
- Joints faite sur mesure
- Empêche les fuites et améliore les performances

Allis Chalmers/Tusk	Genie Aerial Lift	Nissan (Datsun)
BT	Hyster	TCM
Caterpillar	JLG	Toyota
Clark	Komatsu	Yale
Crown	Linde	
Daewoo	Mitsubishi	

Oil Seals Sellos de Aceite Joints d'étanchéité

Metric Oil Seals

	I.D. ▼	O.D.	Height	Material
SY52528	25mm	33mm	4mm	Nitrile
SY51813	28mm	37mm	6mm	Nitrile
SY48217	32mm	48mm	8mm	Nitrile
SY51814	35mm	45mm	4mm	Nitrile
SY48187	38mm	47mm	10mm	Nitrile
SY82361	40mm	70mm	8mm	Nitrile
SY1235013	42mm	55mm	7mm	Nitrile
SY107961	45mm	68mm	12mm	Nitrile

	I.D. ▼	O.D.	Height	Material
SY48188	45mm	55mm	6mm	Nitrile
SY51769	48mm	65mm	10mm	Nitrile
SY52538	50mm	58mm	4mm	Nitrile
SY39688	52mm	75mm	12mm	Nitrile
SY71746	52mm	63mm	9mm	Nitrile
SY51770	58mm	80mm	9mm	Silicone
SY44241	62mm	85mm	12mm	Viton
SY40463	65mm	85mm	12mm	Nitrile

Oil Seals Sellos de Aceite Joints d'étanchéité

Metric Oil Seals

	I.D. ▼	O.D.	Height	Material
SY52639	65mm	90mm	13mm	Nitrile

SY46654	68mm	90mm	12mm	Nitrile

SY1235044	75mm	105mm	10mm	Nitrile

SY52618	75mm	110mm	13mm	Nitrile

SY1220215	80mm	105mm	13mm	Nitrile

SY82920	80mm	100mm	13mm	Nitrile

SY47321	90mm	130mm	15mm	Nitrile

SY107979	97mm	114mm	12mm	Nitrile

	I.D. ▼	O.D.	Height	Material
SY51799	98mm	130mm	13mm	Nitrile

SY107998	100mm	125mm	13mm	Nitrile

SY48172	100mm	152mm	12mm	Nitrile

SY107988	110mm	140mm	14mm	Nitrile

SY108059	120mm	140mm	12mm	Nitrile

SY107501	160mm	190mm	16mm	Nitrile

Oil Seals Sellos de Aceite Joints d'étanchéité

Standard Oil Seals

	I.D.	O.D.	Height	Material
SY46719	0.68"	1.12"	0.31"	Nitrile
SY43568	0.75"	1.38"	0.25"	Nitrile
SY43480	1.36"	2.19"	0.25"	Nitrile
SY42455	1.50"	2.33"	0.41"	Viton
SY41336	1.60"	2.37"	0.50"	Nitrile
SY41356	1.69"	2.50"	0.31"	Nitrile
SY47093	1.75"	2.75"	0.25"	Nitrile
SY33021	1.76"	2.42"	0.38"	Nitrile
SY45832	2.18"	2.87"	0.37"	Nitrile
SY78524	2.50"	3.50"	0.50"	Nitrile
SY45533	3.25"	4.50"	0.50"	Nitrile
SY45025	3.37"	4.37"	0.37"	Nitrile
SY41527	4.00"	5.00"	0.35"	Viton
SY45500	4.00"	5.00"	0.50"	Nitrile
SY44835	4.18"	5.00"	0.37"	Nitrile

Hydraulic Parts Partes Hidraulicas Pièces Hydrauliques

	Description ▼	OAL	Diameter
SY43460	Check valve	1.22" 31mm	0.54" 14
SY45721	Tilt cylinder pin	2.91" 74mm	0.45" 12
SY56857	Valve spool section	8.07" 205mm	

	Description ▼	I.D.
SY41437	Coupling set with rubber spline and metal adapters	0.04" 14mm

	Description ▼	I.D.	O.D.	Thickness
SY107413	Cylinder knuckle cover	2.12" 54mm	3.77" 96mm	0.39" 10mm

	Description ▼
SY80719	Filler tank
SY28-100231	Hydraulic tank