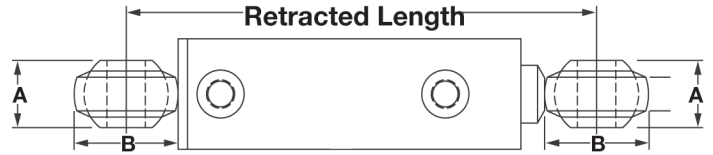


### Swivel Ball End Cylinders

• Brand new, WOLVERINE by PRINCE double acting cylinders with swivel eyes. Heavy duty welded construction with thread-in gland design. Top port design with SAE O-ring ports for reliable and leak free connection. Spherical ball end swivel eye mount on both ends to allow for angular misalignment. 3000PSI



1" BORE	SPECIFICATIONS: Ports SAE 6, 1/2" dia. pins.					
	ITEM	Stroke	Rod Dia.	Retracted Lgth.	Shpg.	Price
	9-12228-4	4"	5/8"	10"	5 lbs.	\$80.90
	9-12228-6	6"	5/8"	12"	5 lbs.	\$85.05
	9-12228-8	8"	5/8"	14"	6 lbs.	\$89.20
	9-12228-10	10"	5/8"	16"	7 lbs.	\$93.35
	9-12228-12	12"	5/8"	18"	7 lbs.	\$97.50

Bore	Ball End Width		Ball End O.D.	
	A	B	B	
1"	1"	2"		
1 1/2"	1"	2"		
2"	1"	2 3/4"		
2 1/2"	1"	2 3/4"		
3"	1 3/4"	3.13"		

1 1/2" BORE	SPECIFICATIONS: Ports SAE 6, 3/4" dia. pins.					
	ITEM	Stroke	Rod Dia.	Retracted Lgth.	Shpg.	Price
	9-12229-4	4"	1"	11 1/4"	6 lbs.	\$81.75
	9-12229-6	6"	1"	13 1/4"	7 lbs.	\$81.75
	9-12229-8	8"	1"	15 1/4"	9 lbs.	\$94.20
	9-12229-10	10"	1"	17 1/4"	10 lbs.	\$106.60
	9-12229-12	12"	1"	19 1/4"	11 lbs.	\$119.05
	9-12229-14	14"	1"	21 1/4"	12 lbs.	\$131.50
9-12229-16	16"	1"	23 1/4"	13 lbs.	\$143.95	

2 1/2" BORE	SPECIFICATIONS: Ports SAE 8, 1" dia. pins.					
	ITEM	Stroke	Rod Dia.	Retracted Lgth.	Shpg.	Price
	9-12231-6	6"	1 1/2"	13 1/2"	17 lbs.	\$138.50
	9-12231-8	8"	1 1/2"	15 1/2"	19 lbs.	\$150.95
	9-12231-10	10"	1 1/2"	17 1/2"	21 lbs.	\$163.40
	9-12231-12	12"	1 1/2"	19 1/2"	23 lbs.	\$171.70
	9-12231-16	16"	1 1/2"	23 1/2"	27 lbs.	\$196.55
	9-12231-20	20"	1 1/2"	27 1/2"	30 lbs.	\$217.30
9-12231-24	24"	1 1/2"	31 1/2"	34 lbs.	\$242.20	

2" BORE	SPECIFICATIONS: Ports SAE 8, 1" dia. pins.					
	ITEM	Stroke	Rod Dia.	Retracted Lgth.	Shpg.	Price
	9-12230-6	6"	1 1/4"	13 1/2"	15 lbs.	\$114.40
	9-12230-8	8"	1 1/4"	15 1/2"	16 lbs.	\$126.85
	9-12230-10	10"	1 1/4"	17 1/2"	17 lbs.	\$139.30
	9-12230-12	12"	1 1/4"	19 1/2"	19 lbs.	\$151.75
	9-12230-16	16"	1 1/4"	23 1/2"	22 lbs.	\$176.65
	9-12230-20	20"	1 1/4"	27 1/2"	24 lbs.	\$197.40
	9-12230-24	24"	1 1/4"	31 1/2"	27 lbs.	\$218.15
	9-12230-30	30"	1 1/4"	37 1/2"	32 lbs.	\$243.05

3" BORE	SPECIFICATIONS: Ports SAE 8, 1" dia. pins.					
	ITEM	Stroke	Rod Dia.	Retracted Lgth.	Shpg.	Price
	9-12232-6	6"	1 1/2"	14 1/4"	20 lbs.	\$155.80
	9-12232-8	8"	1 1/2"	16 1/4"	22 lbs.	\$166.15
	9-12232-10	10"	1 1/2"	18 1/4"	24 lbs.	\$184.85
	9-12232-12	12"	1 1/2"	20 1/4"	26 lbs.	\$199.35
	9-12232-16	16"	1 1/2"	24 1/4"	31 lbs.	\$220.10
	9-12232-20	20"	1 1/2"	28 1/4"	36 lbs.	\$245.00
9-12232-24	24"	1 1/2"	32 1/4"	41 lbs.	\$269.90	

### Clevis End Cylinders



• Brand new, manufactured exclusively for Surplus Center. Double acting cylinders with formed clevis ends. Made in USA.

1" BORE	SPECIFICATIONS: Working pressure 1500 PSI, rod dia. 1/2", ports 1/4" NPT, pin holes 1/2".					
	ITEM	Stroke	Retracted Lgth.	Shpg.	Price	
	9-1649-04	4"	10 1/2"	6 lbs.	\$91.50	
	9-1649-06	6"	12 1/2"	6 lbs.	\$95.65	
	9-1649-08	8"	14 1/2"	7 lbs.	\$101.40	
	9-1649-10	10"	16 1/2"	7 lbs.	\$111.30	
	9-1649-12	12"	18 1/2"	8 lbs.	\$116.70	

### 1 1/2" Bore Cylinders



• Brand new, manufactured exclusively for Surplus Center. Welded double acting cylinders with crosstube ends. Internal gland with snap ring. Made in USA.

1 1/2" BORE	SPECIFICATIONS: Max. 2000 PSI, rod dia. 3/4", ports 3/8" NPT, pin holes 3/4".					
	ITEM	Stroke	Retracted Lgth.	Shpg.	Price	
	9-4410-04	4"	9 1/2"	8 lbs.	\$102.00	
	9-4410-06	6"	11 1/2"	9 lbs.	\$108.75	
	9-4410-08	8"	13 1/2"	10 lbs.	\$115.20	
	9-4410-10	10"	15 1/2"	11 lbs.	\$122.25	
	9-4410-12	12"	17 1/2"	12 lbs.	\$126.75	
9-4410-14	14"	19 1/2"	12 lbs.	\$135.75		
9-4410-16	16"	21 1/2"	13 lbs.	\$139.50		
9-4410-18	18"	23 1/2"	14 lbs.	\$146.25		