



ITEM	Outside Dia.	Bore	Length	Recommended Bore Dia.	Shpg. lbs.	Price
1-5582	3/4"	1/2"	1/2"	0.752"/0.75"	0.03	\$9.15
1-5583	3/4"	1/2"	3/4"		0.05	\$9.42
1-5584	3/4"	1/2"	1"		0.07	\$9.67
1-5585	1"	3/4"	1/2"	1.002"/1.00"	0.05	\$3.29
1-5586	1"	3/4"	5/8"		0.06	\$3.42
1-5587	1"	3/4"	3/4"		0.07	\$3.57
1-5588	1"	3/4"	1"		0.09	\$4.11
1-5589	1"	3/4"	1 1/4"		0.12	\$4.30
1-5590	1"	3/4"	1 1/2"		0.14	\$4.83
1-5591	1"	3/4"	2"		0.18	\$6.88
1-5592	1 1/4"	1"	1/2"	1.253"/1.25"	0.06	\$3.44
1-5593	1 1/4"	1"	5/8"		0.08	\$3.72
1-5594	1 1/4"	1"	3/4"		0.09	\$3.91
1-5595	1 1/4"	1"	7/8"		0.11	\$4.07
1-5596	1 1/4"	1"	1"		0.12	\$4.32
1-5597	1 1/4"	1"	1 1/4"		0.15	\$5.00
1-5598	1 1/4"	1"	1 1/2"		0.18	\$5.71
1-5599	1 1/4"	1"	2"		0.24	\$7.76
1-5600	1 3/8"	1"	3/4"	1.378"/1.375"	0.14	\$8.10
1-5601	1 3/8"	1"	1"		0.19	\$8.56
1-5602	1 3/8"	1"	1 1/4"		0.24	\$9.05
1-5603	1 3/8"	1"	1 1/2"		0.29	\$9.57
1-5604	1 3/8"	1 1/8"	3/4"		0.11	\$9.31
1-5605	1 3/8"	1 1/8"	1"		0.14	\$9.78
1-5606	1 3/8"	1 1/8"	1 1/2"		0.2	\$10.45
1-5607	1 1/2"	1"	1"	1.503"/1.50"	0.26	\$22.15
1-5608	1 1/2"	1"	1 1/2"		0.4	\$21.84
1-5609	1 1/2"	1 1/4"	1/2"		0.07	\$3.63
1-5610	1 1/2"	1 1/4"	3/4"		0.11	\$4.16
1-5611	1 1/2"	1 1/4"	1"		0.15	\$5.01
1-5612	1 1/2"	1 1/4"	1 1/4"		0.19	\$5.15
1-5613	1 1/2"	1 1/4"	1 1/2"		0.22	\$5.72
1-5614	1 1/2"	1 1/4"	2"		0.29	\$8.55
1-5615	1 1/2"	1 1/4"	2 1/2"		0.37	\$10.36
1-5616	1 1/2"	1 1/4"	3"		0.44	\$12.18
1-5617	1 5/8"	1 1/4"	3/4"	1.628"/1.625"	0.17	\$12.98
1-5618	1 5/8"	1 1/4"	1"		0.23	\$13.50
1-5619	1 5/8"	1 1/4"	1 1/4"		0.29	\$14.28
1-5620	1 5/8"	1 1/4"	1 1/2"		0.35	\$15.39
1-5621	1 5/8"	1 1/4"	2"		0.46	\$18.63
1-5622	1 5/8"	1 3/8"	1 1/2"		0.25	\$17.63
1-5623	1 5/8"	1 3/8"	1 1/4"		0.32	\$14.91
1-5624	1 5/8"	1 3/8"	1 1/2"		0.38	\$15.90
1-5625	1 5/8"	1 3/8"	2"		0.5	\$20.40
1-5626	1 3/4"	1 1/2"	1/2"	1.753"/1.75"	0.09	\$3.90
1-5627	1 3/4"	1 1/2"	3/4"		0.13	\$5.02
1-5628	1 3/4"	1 1/2"	1"		0.18	\$6.14
1-5629	1 3/4"	1 1/2"	1 1/4"		0.22	\$7.30
1-5630	1 3/4"	1 1/2"	1 1/2"		0.27	\$8.38
1-5631	1 3/4"	1 1/2"	2"		0.35	\$10.41
1-5632	1 3/4"	1 1/2"	2 1/2"		0.44	\$12.60
1-5633	1 3/4"	1 1/2"	2 3/4"		0.48	\$13.69
1-5634	1 7/8"	1 1/2"	3/4"	1.878"/1.875"	0.21	\$17.10
1-5635	1 7/8"	1 1/2"	1"		0.27	\$18.09
1-5636	1 7/8"	1 1/2"	1 1/4"		0.34	\$18.77
1-5637	1 7/8"	1 1/2"	1 1/2"		0.42	\$19.81
1-5638	1 7/8"	1 1/2"	2"		0.55	\$24.73
1-5639	2"	1 1/2"	1"	2.004"/2.0"	0.39	\$17.64
1-5640	2"	1 1/2"	1 1/4"		0.48	\$19.31
1-5641	2"	1 1/2"	1 1/2"		0.58	\$20.62
1-5642	2"	1 1/2"	2"		0.77	\$24.52
1-5643	2"	1 1/2"	3"		1.5	\$32.14
1-5644	2"	1 3/4"	3/4"		0.15	\$10.03
1-5645	2"	1 3/4"	1"		0.2	\$10.67
1-5646	2"	1 3/4"	1 1/4"		0.26	\$11.55
1-5647	2"	1 3/4"	1 1/2"		0.3	\$12.11
1-5648	2"	1 3/4"	2"		0.4	\$14.64
1-5649	2 1/4"	1 3/4"	1"	2.254"/2.25"	0.44	\$20.24
1-5650	2 1/4"	1 3/4"	2"		0.88	\$38.64
1-5651	2 1/4"	1 3/4"	2 1/2"		1.5	\$44.74
1-5652	2 1/4"	2"	1 1/2"		0.35	\$15.95
1-5653	2 1/4"	2"	2"		0.46	\$17.93
1-5654	2 3/8"	2"	3/4"	2.379"/2.375"	0.26	\$12.99
1-5655	2 3/8"	2"	1"		0.35	\$14.27
1-5656	2 3/8"	2"	1 1/4"		0.44	\$16.16
1-5657	2 3/8"	2"	1 1/2"		0.54	\$18.44
1-5658	2 3/8"	2"	2"		0.72	\$22.71
1-5659	2 3/8"	2"	3"		1.5	\$31.42
1-5660	2 1/2"	2"	1"	2.504"/2.50"	0.49	\$20.88
1-5661	2 1/2"	2"	1 1/2"		0.74	\$24.77
1-5662	2 1/2"	2"	2"		0.99	\$29.45
1-5663	2 1/2"	2"	2 1/2"		1.5	\$33.80
1-5664	2 1/2"	2"	3"		2	\$39.02
1-5665	3"	2 1/2"	1"	3.004"/3.0"	0.61	\$27.42
1-5666	3"	2 1/2"	1 1/2"		0.91	\$31.62
1-5667	3"	2 1/2"	2"		1.5	\$36.42
1-5668	3"	2 1/2"	2 1/2"		2	\$46.77
1-5669	3"	2 1/2"	3"		2.5	\$48.16
1-5670	3 1/2"	3"	1"	3.505"/3.5"	0.72	\$25.46
1-5671	3 1/2"	3"	1 1/2"		1.09	\$33.09
1-5672	3 1/2"	3"	2"		2	\$40.73
1-5673	3 1/2"	3"	2 1/2"		2.3	\$48.37
1-5674	3 1/2"	3"	3"		2.6	\$56.00

Vogelsang Tension Bushings

• Brand new, Vogelsang Fastener tension bushings used with hydraulic cylinders, grapples, off-road equipment. Installed into slow rotating pivot joints they provide high load capacity and wear resistance. Wavy slot design for consistent alignment during installation. Heat treated 6150 high carbon steel with chamfered ends. Order by O.D., I.D., length.



12 Volt DC Solenoid Valve

ITEM 9-220013

\$99.95



• New, NORTHMAN double-solenoid control valve. Spring centering spool. Manual override on solenoids. Subplate mounting requires D03 subplate (sold separately) for port connections. Includes DIN connectors with indicator lights.

SPECIFICATIONS

- Open center spool
- Work ports blocked in neutral
- Model SWH-G02-C6-D12-20
- Voltage 12 Volt DC
- Amperage 2.2 Amps
- Flow 13.3 GPM max
- Pressure 3,675 PSI max
- Use with D03 subplate
- Size 8 3/4" x 1 7/8" x 2 1/8"
- Shpg. 5 lbs.

12 Volt DC Single Acting Power Unit

ITEM 9-253325A

\$229.95



• New KTI Hydraulics. Hydraulic power units for operating single acting hydraulic cylinders. Ideal for many applications including dump trailers, flatbed dumps, forklift stackers, lift gates, pallet trucks, aerial lifts, auxiliary power and many other applications. 12 Volt DC solenoid with manual release valve for directional control of single acting cylinder. Built-in check and adjustable main relief valve.

SPECIFICATIONS

- Model DC3147
- Voltage 12 Volt DC
- Amperage 242 Amps
- Duty Intermittent
- Flow 2.0 GPM at 1000 PSI at 138 Amps
- Pressure 2000 PSI max.
- Relief Valve Setting Adjustable set @ 1000 PSI
- Pendant Control Not included
- Valve Type Single Acting
- Valve Operation 12 Volt DC Solenoid w/manual override
- Ports SAE 6
- Mounting Horizontal
- Reservoir Size Useable 3 Quart
- Reservoir Material Plastic
- Size 15 1/4" x 6 3/4" x 7 1/4"
- Shpg. 17 lbs.

Other Power Units on pages 38-39