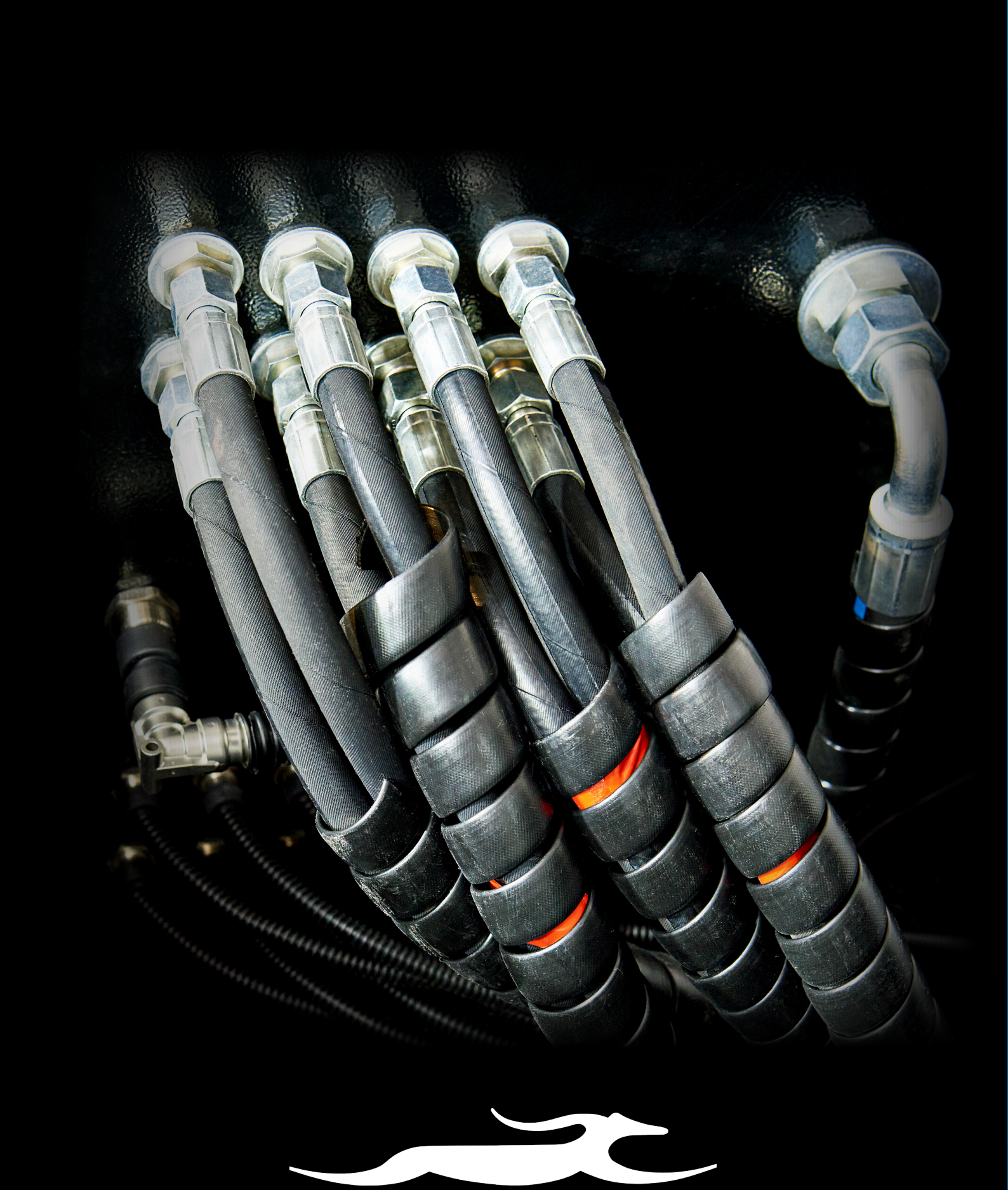
PRODUCT CATALOG

2026





Gazelle Marketing, Inc.
20115 Auger Ave.
Corcoran, MN 55340
(763) 496-0160

www.gazellemarketing.com

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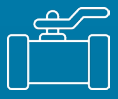
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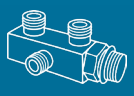


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Hydraulic Hoses

SAE 100R1 AT Hydraulic Hose



Tube: Oil resistant Synthetic Rubber
Cover: Oil, weather, and abrasion resistant Synthetic Rubber
Reinforcement: 1 W/B braid of high tensile steel wire
Applications: Petroleum-based hydraulic fluids and lubrication oils, water, water/glycol and water/oil emulsion and hydraulic fluids
Use with: Braided hose crimp fittings

Interchanges with:

- Gates G1/M1K
- Parker 421
- Aeroquip FC211
- Weatherhead H100

Part Number	ID Inch	OD Inch	Working Pressure PSI	Burst Pressure PSI	Coil Lengths Ft	List Price $/Ft
100R1-1/4	1/4	0.555	3263	13053	350	$1.38
100R1-3/8	3/8	0.713	2611	10442	350	$1.96
100R1-1/2	1/2	0.846	2321	9282	350	$2.51
100R1-3/4	3/4	1.126	1523	6091	350	$4.57
100R1-1	1	1.441	1262	5221	145	$4.66

SAE 100R2 AT Hydraulic Hose



Tube: Oil resistant Synthetic Rubber
Cover: Oil, weather, and abrasion resistant Synthetic Rubber
Reinforcement: 2 W/B braid of high tensile steel wire
Applications: Petroleum-based hydraulic fluids and lubrication oils, water, water/glycol and water/oil emulsion and hydraulic fluids
Use with: Braided hose crimp fittings

Interchanges with:

- Gates G2/M2K
- Parker 302
- Aeroquip FC212
- Weatherhead H200

Part Number	ID Inch	OD Inch	Working Pressure PSI	Burst Pressure PSI	Coil Lengths Ft	List Price $/Ft
100R2-1/4	1/4	0.618	5801	23205	350	$1.74
100R2-3/8	3/8	0.776	4786	19144	350	$2.51
100R2-1/2	1/2	0.909	3988	15954	175	$3.03
100R2-3/4	3/4	1.189	3118	12473	180	$4.40
100R2-1	1	1.531	2393	9572	160	$6.15

SAE 100R16 AT Hydraulic Hose



Tube: Oil resistant Synthetic Rubber
Cover: Oil, weather, and abrasion resistant Synthetic Rubber
Reinforcement: 2 W/B braid of high tensile steel wire
Applications: Petroleum-based hydraulic fluids and lubrication oils, water, water/glycol and water/oil emulsion and hydraulic fluids
Use with: Braided hose crimp fittings

Interchanges with:

- Gates MXT
- Parker 431
- Aeroquip GH781
- Weatherhead H425

Part number	ID Inch	OD Inch	Working Pressure PSI	Burst Pressure PSI	Coil Length Ft	List Price $ /Ft
100R16-1/4	1/4	0.571	5800	23205	350	$1.95
100R16-3/8	3/8	0.740	4786	19144	350	$2.81
100R16-1/2	1/2	0.866	3988	15954	350	$3.37
100R16-3/4	3/4	1.142	3118	12473	175	$4.92
100R16-1	1	1.441	2393	9572	175	$6.88

SAE 100R17 AT Hydraulic Hose



Tube: Oil resistant Synthetic Rubber

Cover: Oil, weather, and abrasion resistant Synthetic Rubber

Reinforcement: 1 W/B (up to 1/2") or 2 W/B (From 5/8") braid of high tensile steel wire

Applications: Petroleum-based hydraulic fluids and lubrication oils, water, water/glycol and water/oil emulsion and hydraulic fluids

Use with: Braided hose crimp fittings

Part Number	ID Inch	OD Inch	Working Pressure PSI	Burst Pressure PSI	Coil Length Ft	List Price $ /Ft
100R17-1/4	1/4	0.520	3046	13053	350	$1.52
100R17-3/8	3/8	0.669	3046	10442	350	$2.20
100R17-1/2	1/2	0.831	3046	9282	350	$2.81
100R17-3/4	3/4	1.193	3046	6091	170	$4.92
100R17-1	1	1.520	3046	5221	185	$6.88

Interchanges with:

- Gates M3K
- Parker 451
- Aeroquip FC639
- Weatherhead H430

SAE 100R4 AT Hydraulic Hose



Tube: Oil resistant Synthetic Rubber

Cover: Oil, weather, and abrasion resistant CR Rubber

Reinforcement: Textile reinforced with 4 spiral wire helix

Applications: Low pressure return lines, service with petroleum-based hydraulic Fluids, water/glycol and water-fire resistant hydraulic fluids, oil lubricants, crude oils, fuel oils, and water.

Half the bend radius requirements of SAE J517 100R4

Part Number	ID Inch	OD Inch	Working Pressure PSI	Burst Pressure PSI	List Price $ /Ft
100R4-3/4	3/4	1.37	315	945	$15.37
100R4-1	1	1.63	255	765	$16.83
100R4-1-1/4	1-1/4	2.00	201	630	$19.82
100R4-1-1/2	1-1/2	2.25	158	473	$22.87
100R4-2	2	2.75	105	315	$24.50

Interchanges with:

- Gates GMV
- Parker 811S
- Aeroquip FC619
- Weatherhead H039

Thermoplastic Hoses

SAE 100R7 Thermoplastic Hose



Tube: Thermoplastic Elastomer
Cover: Polyurethane, black (Pinpricked)
Reinforcement: One layer of braided synthetic fiber
Temp Range: Continuous -40°C to 100°C. Not to exceed 70°C for air and water-based fluids

Applications: Medium pressure hydraulic lines 70 to 210 bar. Suitable for hydraulic applications with increased resistance to abrasion for use with petroleum, synthetic or water-based fluids in hydraulic systems. Suitable for agricultural machinery, earthmoving, articulating & telescopic booms and material handling equipment. Also suitable for industrial gases and other applications.

Part Number	ID Inch	OD Inch	Working Pressure PSI	Burst Pressure PSI	List Price $ /Ft
1/8” SAE 100R7	1/8	0.32	3000	12000	$2.21
3/16” SAE 100R7	3/16	0.405	3000	12000	$3.02
1/4” SAE 100R7	1/4	0.49	2750	11000	$3.54
5/16” SAE 100R7	5/16	0.56	2500	10000	$3.84
3/8” SAE 100R7	3/8	0.62	2250	9000	$4.05
1/2” SAE 100R7	1/2	.76	2050	8200	$6.13

Interchanges with:

- Synflex 3130
- Parker 510D
- Gates TH7
- Aeroquip FC372
- Weatherhead H436

SAE 100R7 Non-Conductive



Tube: Thermoplastic Elastomer
Cover: Polyurethane, black (Non-Pinpricked)
Reinforcement: One layer of braided synthetic fiber
Temp Range: Continuous -40°C to 100°C. Not to exceed 70°C for air and water-based fluids
Applications: Medium pressure hydraulic lines 70 to 210 bar. Suitable for hydraulic applications with increased resistance to abrasion for use with petroleum, synthetic or water-based fluids in hydraulic systems. Suitable for agricultural machinery, earthmoving, articulating & telescopic booms and material handling equipment. Also suitable for industrial gases and other applications.

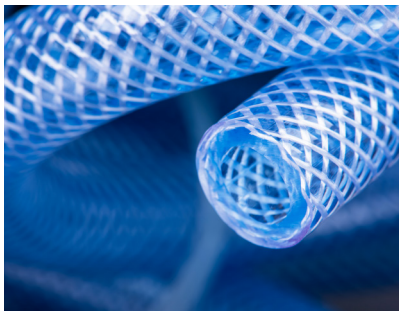
Part Number	ID Inch	OD Inch	Working Pressure PSI	Burst Pressure PSI	List Price $ /Ft
1/8” NC SAE 100R7	1/8	0.32	3000	12000	$2.44
3/16” NC SAE 100R7	3/16	0.405	3000	12000	$3.32
1/4” NC SAE 100R7	1/4	0.49	2750	11000	$3.90
5/16” NC SAE 100R7	5/16	0.56	2500	10000	$4.20
3/8” NC SAE 100R7	3/8	0.62	2250	9000	$4.43
1/2” NC SAE 100R7	1/2	.76	2050	8200	$6.71

Interchanges with:

- Synflex 37NC
- Parker 518D
- Gates TH7NC
- Aeroquip FC373
- Weatherhead H435

PVC Hoses

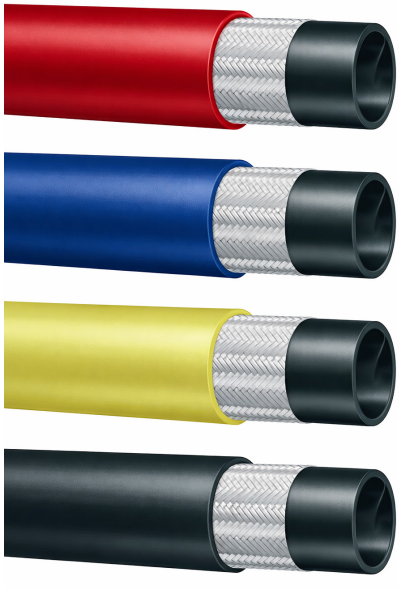
Clearbraid PVC Hose



Description: Food and beverage transfer hose
Tube: PVC
Cover: PVC Clear
Reinforcement: 3 polyester spirals
Temp Range: +25F to +150F / -5C to +65C
Applications: Food and beverage transfer, general industrial, water main and water feed hoses, air, pneumatic applications and light vacuum

Part Number	ID Inch	OD Inch	Working Pressure PSI	Burst Pressure PSI	Coil Length Ft	List Price $ /Ft
120-03-300	3/16	0.33	300	900	300’	$0.43
120-04-300	1/4	0.45	300	900	300’	$0.49
120-06-300	3/8	0.59	300	900	300’	$0.67
120-08-300	1/2	0.75	300	900	300’	$0.90
120-10-300	5/8	0.87	300	900	300’	$1.27
120-12-300	3/4	1.02	250	750	300’	$1.41
120-16-200	1	1.30	150	450	200’	$2.13
120-20-100	1-1/4	1.61	102	305	100’	$3.61
120-24-100	1-1/2	1.89	87	261	100’	$4.52

General Purpose PVC Hose



Tube: Black PVC
Cover: PVC (Red, Blue, Yellow and Black)
Reinforcement: 2 polyester spirals
Temp. Range: +25F to +150F / -5C to +65C
Applications: Air and water lines, light vacuum, mold machine water cooling and water-soluble chemical spray

Part Number	ID Inch	OD Inch	Working Pressure PSI	Burst Pressure PSI	Coil Length Ft	List Price $ /Ft
150-04-500	1/4"	0.470	300	1200	500’	$0.58
150-06-500	3/8"	0.590	300	1200	500’	$0.65
150-08-300	1/2"	0.748	300	1200	300’	$0.82
150-12-200	3/4"	1.02	200	800	200’	$1.40
150-16-100	1"	1.312	175	700	100’	$1.89

Color Suffix: Add the appropriate suffix to the part number to denote color:
–R (Red), –BL (Blue), –Y (Yellow), –BK (Black)

Example: 150-04-500-R

PVC Hoses

PVC Wire Vacuum Transfer Hose



Description: Clear PVC food and beverage grade vacuum transfer hose
Tube Compound: Clear food-grade PVC
Cover: UV resistant flexible PVC
Reinforcement: Spiraled wire helix
Temp. Range: -15 to +150F / -10 to +65C
Applications: A see-through flexible hose for use where full vacuum or collapse resistance is required. Suitable for use with most foodstuffs, cosmetics, beverages, lubricating oils, animal fats, and a wide range of chemicals. Suitable for wine suction and discharge

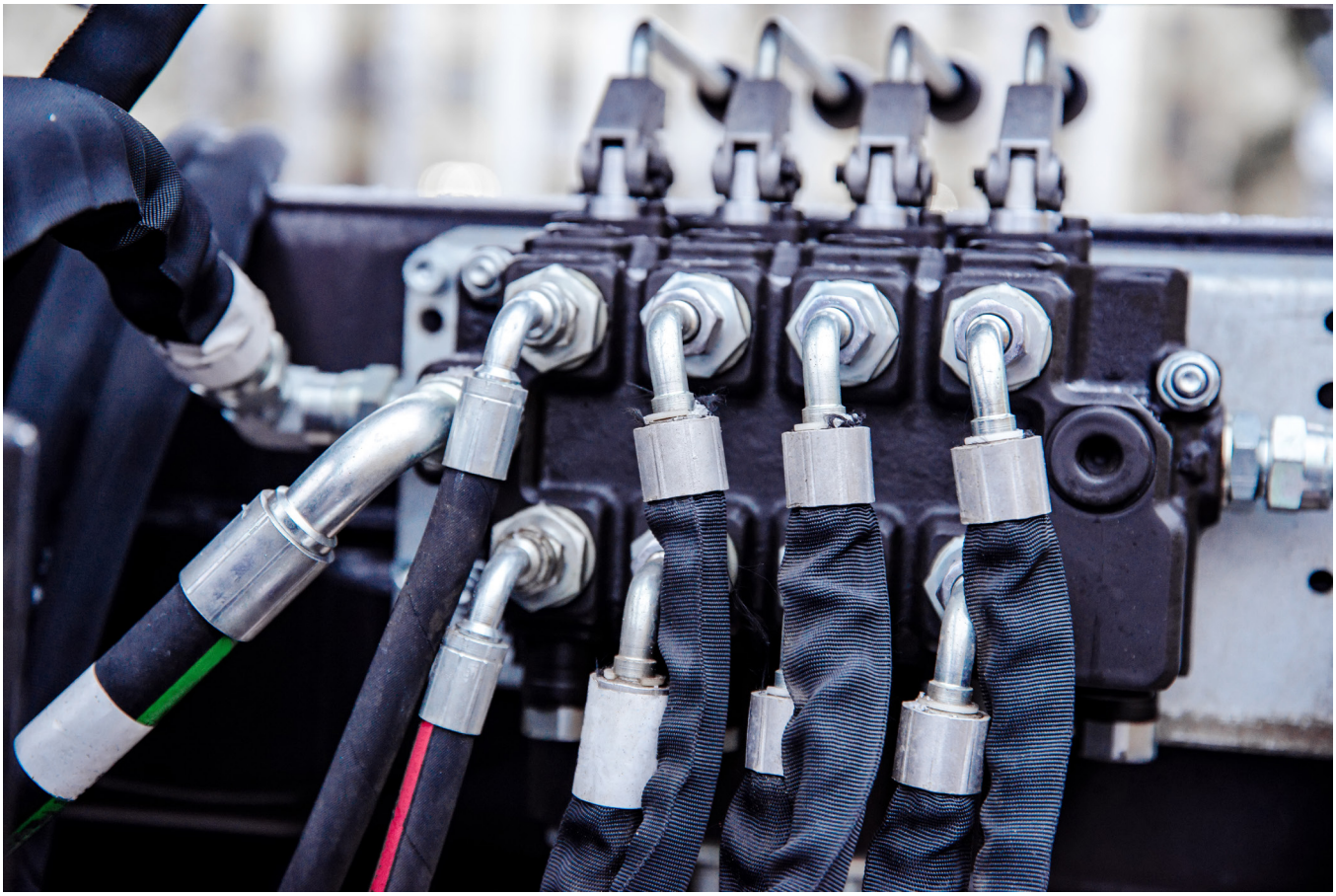
Part Number	Dash Size	ID Inch	OD Inch	Working Pressure PSI	Coil Length Ft	List Price $ /Ft
WF-DAR-9.5-100	6	3/8	.630	142	100’	$1.19
WF-DAR-13-100	8	1/2	0.708	101.5	100’	$1.33
WF-DAR-16-100	10	5/8	0.866	101.5	100’	$1.58
WF-DAR-19-100	12	3/4	1.023	101.5	100’	$1.99
WF-DAR-25-100	20	1	1.259	72.5	100’	$2.80
WF-DAR-32-100	24	1-1/4	1.574	72.5	100’	$5.11
WF-DAR-38-100	32	1-1/2	1.850	58	100’	$6.67
DAR-50-50	48	2	2.34	58	50’	$6.71

Heavy Duty PVC Spray Hose



- Heavy duty spray hose 600 PSI (Yellow) and 800 PSI (Green)
- 5 ply bonded construction
- Specially formulated compound suitable for harsh fieldwork environment
- Superb abrasion resistance
- Long lasting flexibility
- Resistant to fungicides, insecticides, fertilizers and more
- Available in 300’ & 400’ coils in 3/8"

Part Number	Dash Size	ID Inch	Weight Lbs /ft	Working Pressure PSI	Burst Pressure PSI	Color	Coil Length Ft	List Price $ /Ft
YSH-6-600-300	6	3/8”	0.12	600 PSI	1740 PSI	Yellow	300	$1.12
GSH-6-800-300	6	3/8”	0.12	800 PSI	2400 PSI	Green	300	$1.15
YSH-6-600-400	6	3/8”	0.12	600 PSI	1740 PSI	Yellow	400	$1.12
GSH-6-800-400	6	3/8”	0.12	800 PSI	2400 PSI	Green	400	$1.15
YSH-8-600-300	8	1/2”	0.18	600 PSI	1740 PSI	Yellow	300	$1.54
GSH-8-800-300	8	1/2”	0.18	800 PSI	2400 PSI	Green	300	$1.58



Bite to Wire Crimp Fittings

Use with:

- SAE 100R2 Hydraulic Hose (R2)
- SAE 100R16 Hydraulic Hose (R16)
- SAE 100R17 Hydraulic Hose (R17)
- Hydraulic Jack Hose (HJK)
- SAE 100R1 Hydraulic Hose (R1)
- SAE 100R3 General Purpose Hose (R3)

Male Pipe Rigid



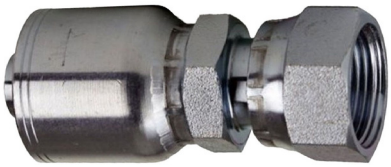
Part Number	Stem	Thread	List Price
MP-4-4	1/4"	1/4”	$4.90
MP-6-4	1/4"	3/8”	$4.59
MP-8-4	1/4”	1/2”	$6.10
MP-4-6	3/8”	1/4”	$5.54
MP-8-6	3/8”	1/2”	$5.59
MP-6-6	3/8”	3/8”	$4.59
MP-8-8	1/2"	1/2”	$5.22
MP-10-10	5/8”	5/8”	$11.12
MP-12-12	3/4"	3/4”	$9.10
MP-16-16	1”	1”	$19.52
MP-32-32	2”	2”	$29.56

Male Pipe Swivel



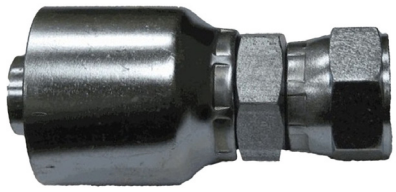
Part Number	Stem	Thread	List Price
PS-4-4	1/4"	1/4”	$5.12
PS-6-4	1/4”	3/8”	$6.89
PS-6-6	3/8”	3/8”	$7.43
PS-8-8	1/2"	1/2”	$10.40
PS-12-12	3/4"	3/4”	$13.07
PS-16-16	1”	1”	$21.91

Female Pipe Swivel



Part Number	Stem	Thread	List Price
PF-4-4	1/4”	1/4”	$5.41
PF-6-6	3/8”	3/8”	$5.95
PF-8-8	1/2"	1/2”	$7.57
PF-12-12	3/4"	3/4”	$16.66
PF-16-16	1”	1”	$33.83

Female JIC Swivel



Part Number	Stem	Thread	List Price
FJ-4-4	1/4"	-4	$5.05
FJ-5-4	1/4"	-5	$5.17
FJ-6-4	1/4”	-6	$5.41
FJ-4-6	3/8”	-4	$5.41
FJ-6-6	3/8”	-6	$5.73
FJ-8-6	3/8"	-8	$6.07
FJ-8-8	1/2"	-8	$7.07
FJ-10-8	1/2”	-10	$7.60
FJ-10-10	5/8”	-10	$11.42
FJ-10-12	3/4”	-10	$11.56
FJ-12-12	3/4"	-12	$12.00
FJ-16-16	1”	-16	$23.46
FJ-20-20	1-1/4”	-20	$53.09
FJ-24-24	1-1/2”	-24	$65.11

90° Female JIC Swivel



Part Number	Stem	Thread	List Price
FJB-4-4	1/4"	-4	$11.58
FJB-6-4	3/8”	-4	$12.02
FJB-6-6	3/8”	-6	$12.87
FJB-8-6	3/8"	-8	$15.57
FJB-8-8	1/2”	-8	$15.03
FJB-12-12	3/4"	-12	$25.67
FJB-16-16	1”	-16	$38.44

45° Female JIC Swivel



Part Number	Stem	Thread	List Price
FJA-4-4	1/4"	1/4”	$5.47
FJA-6-6	3/8”	3/8”	$10.93
FJA-8-8	1/2”	1/2”	$11.78

Bite to Wire Crimp Fittings

Male O-Ring Boss Rigid



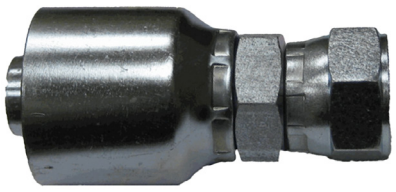
Part Number	Stem	Thread	List Price
MB-4-4	1/4"	-4	$11.58
MB-6-6	3/8”	-6	$12.87
MB-8-6	3/8"	-8	$15.57
MB-8-8	1/2”	-8	$15.03

Male JIC



Part Number	Stem	Thread	List Price
MJ-4-4	1/4"	-4	$3.98
MJ-6-6	3/8"	-6	$6.02
MJ-8-8	1/2”	-8	$6.66
MJ-12-12	3/4”	-12	$18.48
MJ-16-16	1”	-16	$25.36

Female O-Ring Face Seal



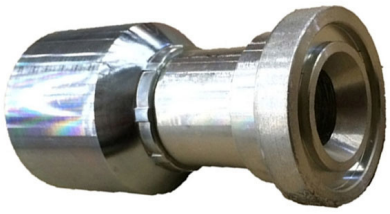
Part Number	Stem	Thread	List Price
FRJS-4-4	1/4"	-4	$7.45
FRJS-6-6	3/8”	-6	$8.13
FRJS-8-8	1/2"	-8	$8.62
FRJS-12-12	3/4"	-12	$17.14
FRJS-16-16	1”	-16	$30.94

90° Female Face Seal



Part Number	Stem	Thread	List Price
1J5-6-6	3/8”	-6	$11.58
1J5-8-8	1/2”	-8	$12.87
1J5-16-16	1”	-16	$27.26

CAT Flange



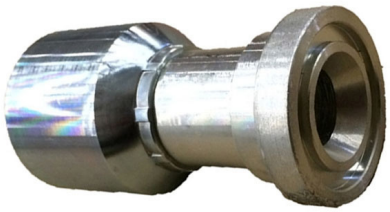
Part Number	Stem	Thread	List Price
1XA78-12-12	3/4”	-12	$25.82
1XA78-16-16	1”	-16	$34.83

90° CAT Flange



Part Number	Stem	Thread	List Price
1XN-16-16	1”	-16	$39.07

Code 61 & 62 Flange



Part Number	Code	Stem	Thread	List Price
115-12-12	61	3/4”	-12	$21.91
115-16-16	61	1”	-16	$26.93
115-20-20	61	1-1/4”	-20	$29.51
115-16-16H	62	1”	-16	$27.93

90° Code 61 & 62 Flange

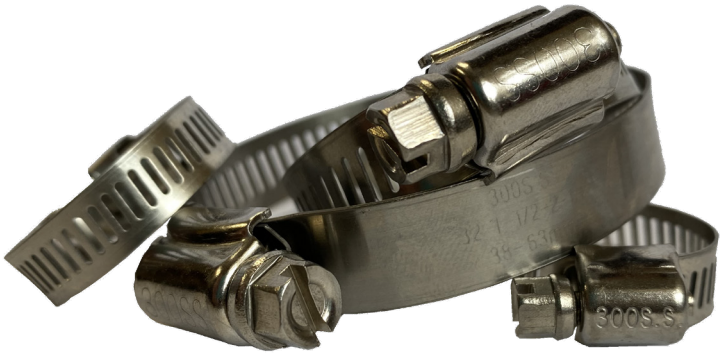


Part Number	Code	Stem	Thread	List Price
119-16-16	61	1”	-16	$21.52
119-20-20	61	1-1/4”	-20	$27.32
119-16-16H	62	1”	-16	$23.86

Clamps

Worm Gear Clamps

- Stainless steel worm gear band clamps for use in low pressure applications.
- Use to fasten multi-barb hose ends and low-pressure fiber-reinforced hoses.
- These clamps are not intended for use with hydraulic hose containing steel wire, such as SAE 100R1 or SAE 100R4.
- 1/2” Band (620 Series) & 0.35” Band (350 Series)
- 5/16” hex head screw
- 304 Stainless Housing, Band and Screw







1 Clamping ranges stamped on band

2 Material stamp on housing



3 Perforated band is flexible for easy installation and strong tightening

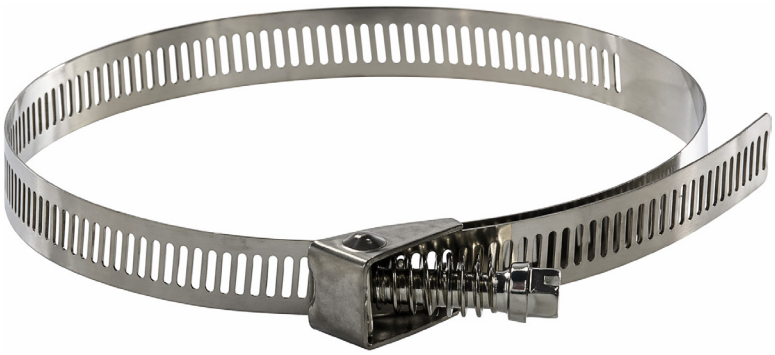
Worm Gear Clamps - 1/2” Band

Part Number	Minimum	Maximum	List Price
620-006	3/8"	7/8"	$1.35
620-008	1/2"	1"	$1.37
620-010	9/16"	1-1/16"	$1.39
620-012	11/16"	1-1/4"	$1.42
620-016	13/16"	1-1/2"	$1.46
620-020	13/16"	1-3/4"	$1.48
620-024	1"	2"	$1.53
620-028	1-1/4"	2-1/4"	$1.58
620-032	1-1/2"	2-1/2"	$1.69
620-036	1-3/4"	2-3/4"	$1.73
620-040	2"	3"	$1.71
620-044	2-1/4"	3-1/4"	$1.76
620-048	2-1/2"	3-1/2"	$1.82
620-052	2-3/4"	3-3/4"	$1.85
620-056	3"	4"	$1.89
620-060	3-1/4"	4-1/4"	$1.94
620-064	3-1/2"	4-1/2"	$2.00
620-072	4"	5"	$2.09
620-080	4-1/2"	5-1/2"	$2.16
620-088	5"	6"	$2.23
620-096	5-1/2"	6-1/2"	$2.32
620-104	6"	7"	$2.41
620-116	5-3/4"	7-3/4"	$2.65
620-128	6-1/2"	8-1/2"	$2.75
620-152	2"	10"	$3.08
620-188	2"	12-1/4"	$3.38
620-200	11"	13"	$3.67
620-212	11-3/4"	13-3/4"	$3.74
620-224	12-1/2"	14-1/2"	$3.87
620-248	1-3/4"	16"	$3.96
620-270	15-3/8"	17-3/8"	$4.10
620-312	18"	20"	$4.55
620-332	19-1/8"	22-1/4"	$4.97
620-390	22-7/8"	24-7/8"	$5.08

Mini Worm Gear Clamps - 0.35” Band

Part Number	Minimum	Maximum	List Price
350-004	5/16”	5/8"	$0.58
350-005	7/16"	3/4"	$0.59
350-006	1/2”	7/8”	$0.61
350-008	1/2"	1"	$0.63
350-010	9/16"	1-1/16"	$0.61
350-012	11/16"	1-1/4"	$0.63

Quick Release Clamp



Quick Release style worm drive clamps are indispensable for installation in closed systems where the clamp must be disengaged to be applied. The swivel-action locking of screw to band makes both installation and removal fast and easy.

- 1/2” Band
- Stainless Housing, Band and Screw

Part Number	Minimum (mm)	Maximum (mm)	List Price
550-036	25	70	$1.89
550-048	38	89	$2.34
550-056	25	101	$2.65
550-072	51	127	$2.84
550-088	52	152	$3.06
550-096	89	166	$3.49
550-104	44	178	$3.58
550-128	44	218	$4.01
550-152	51	254	$4.37
550-188	52	313	$4.82
550-216	259	356	$5.04
550-248	44	406	$5.69
550-280	362	457	$5.99
550-312	48	508	$7.09



Clamps

T-Bolt Clamp



Heavy-duty hose clamps with steel bolt and stainless steel band.

Recommended for use with steel-reinforced hoses, such as SAE 100R4.

Not intended for high-pressure hydraulic applications.

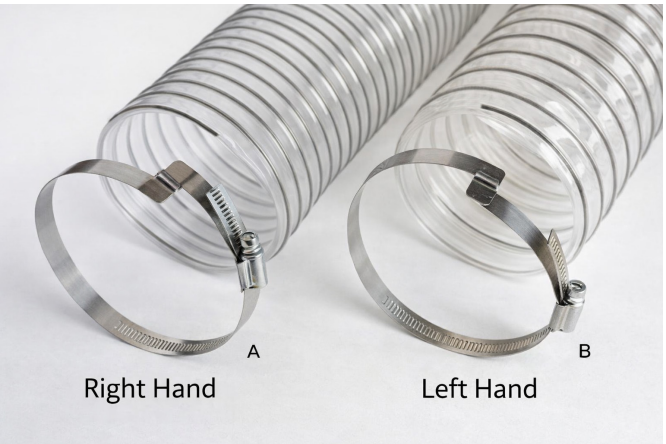
Construction: Stainless Housing and Band; Zinc Plated Screw

Range: 17-330mm or .67”-13”

Contact our sales team for a fully stainless steel option.

Part Number	Reference (SAE)	Diameter Range (in)	Diameter Range (mm)	List Price
301901-2	75	.67-.75	17-19	$4.36
301902-0	80	.75-.83	19-21	$4.36
301903-9	85	.83-.91	21-23	$4.42
301904-7	100	.91-.98	23-25	$4.48
301905-5	105	.98-1.06	25-27	$4.51
301906-3	110	1.06-1.14	27-29	$4.57
301907-1	120	1.14-1.22	29-31	$5.43
301908-0	125	1.22-1.34	31-34	$5.61
301909-8	140	1.34-1.46	34-37	$5.86
301910-0	150	1.46-1.57	37-40	$5.98
301911-9	165	1.58-1.69	40-43	$6.07
301912-7	175	1.69-1.85	43-47	$6.92
301913-5	200	1.85-2.01	47-51	$7.17
301914-3	210	2.01-2.17	51-55	$7.32
301915-1	225	2.17-2.32	55-59	$7.66
301916-0	238	2.32-2.48	59-63	$7.96
301917-8	250	2.48-2.68	63-68	$8.33
301918-6	275	2.68-2.87	68-73	$10.67
301919-4	300	2.87-3.11	73-79	$10.95
301920-7	325	3.11-3.35	79-85	$11.19
301921-5	350	3.35-3.58	85-91	$11.50
301922-3	375	3.58-3.82	91-97	$11.77
301923-1	400	3.82-4.10	97-104	$12.14
301924-0	425	4.10-4.41	104-112	$12.84
301925-8	450	4.41-4.76	112-121	$13.18
301926-6	500	4.76-5.11	121-130	$13.51
301927-4	525	5.11-5.51	130-140	$19.06
301928-2	575	5.51-5.91	140-150	$19.55
301928-9	590	5.71-6.10	145-155	$19.78
301929-0	600	5.91-6.38	150-162	$20.01
301930-3	650	6.38-6.85	162-174	$20.50
301931-1	700	6.85-7.36	174-187	$21.01
301932-0	750	7.36-7.87	187-200	$21.56
301932-9	775	7.68-8.07	195-205	$21.82
301933-8	800	7.87-8.39	200-213	$22.08
301934-6	850	8.39-8.90	213-226	$22.57
301935-4	900	8.90-9.41	226-239	$23.12
301936-2	950	9.41-9.92	239-252	$23.67
301937-0	1000	9.92-10.43	252-265	$42.79
301947-7	1050	10.43-10.95	265-278	$86.44
301948-5	1275	12.48-12.99	317-330	$91.13

Bridge Clamp



The life of all fabric ducts can be greatly extended when sized correctly according to equipment exhaust requirements.

- For superior duct sealing
- Stainless Steel band, housing, and screw
- 1/2” wide band
- Available in sizes 2” to 24”

Nominal Size	List Price
2”	$7.00
3”	$7.45
4”	$8.75
5”	$10.45
6”	$11.83
7”	$12.99
7-1/2”	$13.80
8”	$13.90

Nominal Size	List Price
9”	$15.36
10”	$16.49
12”	$20.70
14”	$21.19
16”	$22.22
18”	$24.68
20"	$27.09
24”	$28.74

Tube & Pipe Clamps



Heavy-Duty support clamps allow for easy routing of steel pipe, tubing, and hydraulic hose. Each clamp assembly consists of: steel weld plate, two polypropylene clamp halves, steel cover plate, and one or two hex head bolts depending on the clamp. Weld plates, cover plates and bolts are furnished in zinc-plated steel.

Interchanges with ZSI ®, Stauff ®, Beringer ®style clamp systems

Part Number	Diameter (mm)	Diameter (in)	List Price
S4018S	28.58	1-1/8	$5.36
SM4030S	30	1.181	$5.36
S5020S	31.75	1-1/4	$5.84
S5021S	33.401	1.315	$5.84
S5024S	38.1	1-1/2	$5.84
S5027S	42.164	1.660	$5.84
SM5035S	35	1.378	$5.84
S6028S	44.45	1-3/4	$8.03
S6030S	48.26	1.900	$8.03
S6032S	50.8	2	$8.03
S7038S	60.325	2.375	$19.49
S7036S	57.15	2-1/4	$19.49
S7040S	63.5	2-1/2	$19.49
S7044S	69.85	2-3/4	$19.49
S7048S	76.2	3	$19.49

Standard Duty Tube Clamp

Part Number	Diameter (mm)	Diameter (in)	List Price
S1004S	6.35	1/4	$5.49
S1006S	9.53	3/8	$3.93
SM1006S	6	0.236	$3.93
S1007S	10.287	0.405	$5.51
SM1008S	8	0.315	$1.97
SM1012S	12	0.472	$3.93
S2008S	12.7	1/2	$4.10
S2009S	13.716	0.540	$4.26
S2010S	15.875	5/8	$4.23
S2011S	17.145	0.675	$4.16
SM2014S	14	0.551	$4.10
SM2015S	15	0.591	$4.10
SM2018S	18	0.709	$4.10
S3012S	19.05	3/4	$4.75
S3014S	21.336	0.840	$4.75
S3015S	22.225	7/8	$4.75
S3016S	25.4	1	$4.75
SM3020S	20	0.787	$4.75
SM3025S	25	0.984	$4.75
S4017S	26.67	1.050	$5.36

Tube & Pipe Clamps, cont.



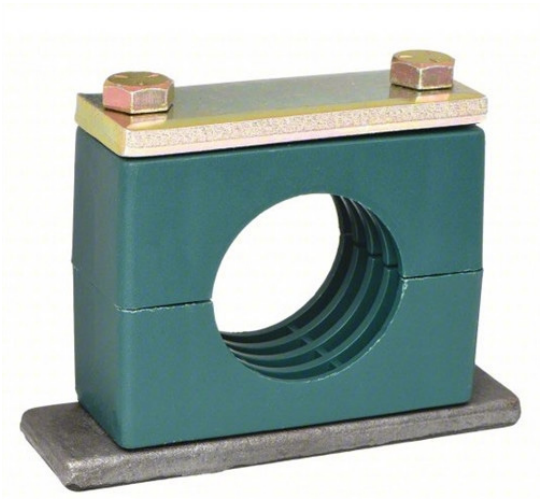
Ideal for general-duty applications subject to moderate levels of shock and vibration.

Heavy Duty Tube Clamp

Part Number	Diameter (mm)	Diameter (in)	List Price
H3004S	6.35	1/4	$10.05
H3006S	9.525	3/8	$10.34
H3007S	10.287	0.405	$10.05
H3008S	12.7	1/2	$10.05
H3009S	13.716	0.540	$10.05
H3010S	15.875	5/8	$10.05
H3011S	17.145	0.675	$10.05
H4012S	19.05	3/4	$12.07
H4014S	21.336	0.840	$11.30
H4015S	22.225	7/8	$11.30
H4016S	25.4	1	$11.30
H4017S	26.67	1.050	$11.30
H5020S	31.75	1-1/4	$12.45
H5021S	33.401	1.315	$12.45
H5024S	38.1	1-1/2	$12.45
H5027S	42.164	1.660	$12.93
H6028S	44.45	1-3/4	$25.06
H6030S	48.26	1.900	$25.06
H6032S	50.8	2	$25.06
H6034S	57.15	2-1/4	$25.06
H6038S	60.325	2-3/8	$25.06
H6040S	63.5	2-1/2	$25.06
H7044S	69.85	2-3/4	$61.27
H7046S	72.898	2.870	$61.27
H7050S	76.2	3	$61.27

Twin Tube Clamp

Part Number	Diameter (mm)	Diameter (in)	List Price
T1004S	6.35	1/4	$6.46
T1006S	9.525	3/8	$5.14
T1007S	10.287	0.405	$7.32
T2008S	12.7	1/2	$6.91
T2009S	13.716	0.54	$7.32
T2010S	15.875	5/8	$5.63
T2011S	17.196	0.677	$5.63
T3012S	19.05	3/4	$6.50
T3014S	21.336	0.84	$6.92
T3015S	22.225	7/8	$6.89
T3016S	25.4	1	$6.50
T4017S	26.67	1.05	$10.91
T4018S	28.575	1-1/8	$10.79
T5020S	31.75	1-1/4	$15.27
T5021S	33.401	1.315	$11.65
T5024S	38.1	1-1/2	$14.37
T5027S	42.164	1.66	$14.37



Recommended for systems with greater than 1,500 psi (103 bar) operating pressure, operations with pressure surges, and applications with wide temperature fluctuations

Absorbs high levels of shock, noise, and vibration

Part Number	Diameter (mm)	Diameter (in)	List Price
H7056S	88.9	3.5	$61.27
H8072S	114.3	4-1/2	$257.93
H9089S	141.300	5.563	$362.98
H9106S	168.275	6.625	$362.98
H10137S	219.075	8.625	$594.67
H11170S	273.05	10.75	$1,953.15

Center Punch Band Clamp



- Width: 5/8” [3/8” on F3(FS-3) and F311(FS-3)]
- Thickness: .022” [.020 on F3(FS-3) and F11(FS-11)]
- FS Series = Stainless Steel
- F Series = Steel
- FS Band is 300 series stainless steel
- FS Buckle is 302 series stainless steel
- Center Punch tool required for assembly

ITEM # F- or FS-	Nominal Diameter (in)	Box Quantity (pcs)	List Price (F) Steel	List Price (FS) Stainless Steel
3	13/16”	100	$161.97	$175.25
4	1”	100	$196.34	$239.90
5	1-1/4”	100	$203.98	$244.75
311	1-3/8”	100	$171.18	$190.37
6	1-1/2”	100	$208.21	$261.35
7	1-3/4”	100	$210.74	$278.05
8	2”	100	$214.45	$291.82
9	2-1/4”	100	$217.63	$303.30
10	2-1/2”	50	$110.98	$160.75
11	2-3/4”	50	$111.80	$180.37
12	3”	50	$132.63	$186.67
14	3-1/2”	50	$145.70	$201.93
16	4”	25	$76.25	$108.49
18	4-1/2”	25	$79.78	$115.71
20	5”	25	$84.73	$122.72
24	6”	25	$93.68	$137.94
28	7”	25	$100.77	$221.81
32	8”	25	$113.48	$232.71



ISO A

Applications: Construction and forestry equipment, agricultural machinery, oil tools, steel mill machinery and other demanding hydraulic applications.



Interchanges with:

- Parker 6600 Series
- Aeroquip 5600 Series
- Snap-Tite 61 Series

Couplers

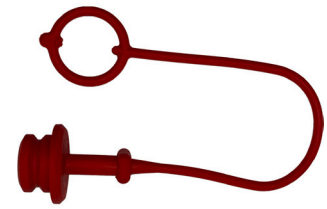
Part Number	Part Description	List Price
HFSFC7514	ISO A 7241 Coupler -1/4”	$12.41
HFSFC7538	ISO A 7241 Coupler -3/8”	$13.40
HFSFC7512	ISO A 7241 Coupler -1/2”	$14.42
HFSFC7534	ISO A 7241 Coupler -3/4”	$47.89
HFSFC7510	ISO A 7241 Coupler -1"	$71.28

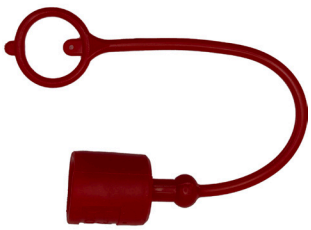
Plugs

Part Number	Part Description	List Price
HFSFP7514	ISO A 7241 Plug -1/4”	$5.95
HFSFP7538	ISO A 7241 Plug -3/8”	$6.77
HFSFP7512	ISO A 7241 Plug -1/2”	$7.12
HFSFP7534	ISO A 7241 Plug -3/4”	$21.67
HFSFP7510	ISO A 7241 Plug -1"	$29.75

ISO A Dust Protectors

Dust protectors to fit ISO A couplers and plugs





Coupler Plugs

Part Number	Part Description	List Price
PZE-1/4	ISO A 7241 Dust Plug -1/4”	$1.84
PZE-3/8	ISO A 7241 Dust Plug -3/8”	$2.48
PZE-1/2	ISO A 7241 Dust Plug -1/2”	$2.96
PZE-3/4	ISO A 7241 Dust Plug -3/4”	$5.32
PZE-1	ISO A 7241 Dust Plug -1"	$5.80

Plug Caps

Part Number	Part Description	List Price
CZE-1/4	ISO A 7241 Dust Cap -1/4”	$2.47
CZE-3/8	ISO A 7241 Dust Cap -3/8”	$2.96
CZE-1/2	ISO A 7241 Dust Cap -1/2”	$3.30
CZE-3/4	ISO A 7241 Dust Cap -3/4”	$6.04
CZE-1	ISO A 7241 Dust Cap -1"	$6.60

ISO B

Applications: Construction and forestry equipment, agricultural machinery, oil tools, steel mill machinery and other demanding hydraulic applications.



Interchanges with:

- Parker 60 Series
- Aeroquip FD45 Series
- Snap-Tite 72 Series

Couplers

Part Number	Part Description	List Price
HFSFC8214	ISO B 7241 Coupler -1/4"	$10.22
HFSFC8114	ISO B 7241 Coupler -1/4” Brass	$21.17
HFSFC8238	ISO B 7241 Coupler -3/8"	$15.03
HFSFC8212	ISO B 7241 Coupler -1/2"	$27.61
HFSFC8234	ISO B 7241 Coupler -3/4"	$48.26
HFSFC8210	ISO B 7241 Coupler -1"	$68.02

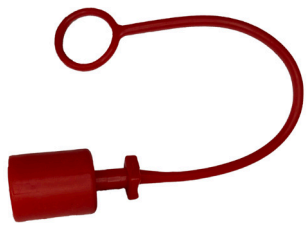
Plugs

Part Number	Part Description	List Price
HFSFP8214	ISO B 7241 Plug -1/4"	$5.32
HFSFP8114	ISO B 7241 Plug -1/4” Brass	$9.07
HFSFP8238	ISO B 7241 Plug -3/8"	$5.66
HFSFP8212	ISO B 7241 Plug -1/2"	$9.32
HFSFP8234	ISO B 7241 Plug -3/4"	$20.20
HFSFP8210	ISO B 7241 Plug -1"	$26.95

ISO B Dust Protectors

Dust protectors to fit ISO B couplers and plugs





Coupler Plugs

Part Number	Part Description	List Price
PZB-1/4	ISO B 7241 Dust Plug -1/4”	$3.30
PZB-3/8	ISO B 7241 Dust Plug -3/8”	$3.40
PZB-1/2	ISO B 7241 Dust Plug -1/2”	$3.69
PZB-3/4	ISO B 7241 Dust Plug -3/4”	$8.04
PZB-1	ISO B 7241 Dust Plug -1"	$9.44

Plug Caps

Part Number	Part Description	List Price
CZB-1/4	ISO B 7241 Dust Cap -1/4”	$3.30
CZB-3/8	ISO B 7241 Dust Cap -3/8”	$3.40
CZB-1/2	ISO B 7241 Dust Cap -1/2”	$3.69
CZB-3/4	ISO B 7241 Dust Cap -3/4”	$8.04
CZB-1	ISO B 7241 Dust Cap -1"	$9.44

Quick Disconnects

Flush Face

Applications: Recommended for skid steer loaders and other applications where you need to reduce leaks and spills.



Interchanges with:

- Faster FEM Series
- Parker FEM Series
- Holmbury Series A

Couplers

Part Number	Part Description	List Price
HFSFC9514	Flush Face- Skid Steer Coupler-1/4"	$23.29
HFSFC9538	Flush Face- Skid Steer Coupler-3/8"	$33.18
HFSFC9512	Flush Face- Skid Steer Coupler-1/2"	$43.84
HFSFC9512-7/8UNF-14	Flush Face- Skid Steer Coupler-1/2” x #10 ORB	$50.75
HFSFC9512-1-1/16UNF-12	Flush Face- Skid Steer Coupler-1/2” x #12 ORB	$59.86
HFSFC9534	Flush Face- Skid Steer Coupler-3/4"	$83.35
HFSFC9510	Flush Face- Skid Steer Coupler-1"	$103.46

Plugs

Part Number	Part Description	List Price
HFSFP9514	Flush Face- Skid Steer Plug-1/4"	$16.12
HFSFP9538	Flush Face- Skid Steer Plug -3/8"	$19.65
HFSFP9512	Flush Face- Skid Steer Plug -1/2"	$27.91
HFSFP9512-7/8UNF-14	Flush Face- Skid Steer Plug -1/2” x #10 ORB	$26.81
HFSFP9512-1-/16UNF-12	Flush Face- Skid Steer Plug -1/2” x #12 ORB	$31.14
HFSFP9534	Flush Face- Skid Steer Plug -3/4"	$52.41
HFSFP9510	Flush Face- Skid Steer Plug -1"	$62.20

Flush Face Dust Protectors

Dust protectors to fit flush face couplers and plugs



Coupler Caps

Part Number	Part Description	List Price
FF04-FC	Flush Face Dust Protector -1/4”	$4.86
FF06-FC	Flush Face Dust Protector -3/8”	$4.86
FF08-FC	Flush Face Dust Protector -1/2”	$5.67
FF12-FC	Flush Face Dust Protector -3/4”	$10.80
FF16-FC	Flush Face Dust Protector -1"	$11.22

Plug Caps

Part Number	Part Description	List Price
FF04-MC	Flush Face Dust Protector -1/4”	$4.86
FF06-MC	Flush Face Dust Protector -3/8”	$4.86
FF08-MC	Flush Face Dust Protector -1/2”	$5.67
FF12-MC	Flush Face Dust Protector -3/4”	$10.80
FF16-MC	Flush Face Dust Protector -1"	$11.22

VEP



Applications: Engineered for demanding hydraulic systems, the 297 Series provides reliable performance in applications subject to high pressure impulses and residual pressure during connection and disconnecton.

Interchanges with:

- Stucchi VEP Series
- Parker FET Series
- Holmbury HFT Series

Couplers

Part Number	Part Description	List Price
HFSFC29712	VEP Coupler – 1/2”	$102.75
HFSFC29734	VEP Coupler – 3/4"	$128.06
HFSFC29734-1	VEP Coupler – 3/4” body x 1”	$179.12
HFSFC29710	VEP Coupler – 1”	$179.12
HFSFC297114	VEP Coupler – 1-1/4”	$223.54

Plugs

Part Number	Part Description	List Price
HFSFP29712	VEP Plug – 1/2”	$115.87
HFSFP29734	VEP Plug – 3/4"	$144.40
HFSFP29734-1	VEP Plug – 3/4” body x 1”	$201.99
HFSFP29710	VEP Plug – 1”	$201.99
HFSFP297114	VEP Plug – 1-1/4”	$263.35

VEP Dust Protectors

Dust protectors to fit VEP couplers and plugs





Coupler Plugs

Part Number	Part Description	List Price
PCV-1/2-SC	VEP Dust Protector – 1/2"	$4.86
PCV-3/4-SC	VEP Dust Protector – 3/4”	$4.86
PCV-1-SC	VEP Dust Protector – 1”	$5.67
PCV-1-1/4-SC	VEP Dust Protector – 1-1/4”	$10.80

Plug Caps

Part Number	Part Description	List Price
PCV-1/2-PC	VEP Dust Protector – 1/2"	$4.86
PCV-3/4-PC	VEP Dust Protector – 3/4”	$4.86
PCV-1-PC	VEP Dust Protector – 1”	$5.67
PCV-1-1/4-PC	VEP Dust Protector – 1-1/4”	$10.80

Agricultural

Applications: Recommended for use with farm implements, construction equipment, and most other mobile equipment.

Ball Type, also known as the Agricultural Interchange, is the most popular coupling design worldwide for agricultural applications.



Interchanges with:

- Faster NS Series
- Parker 4000 Series
- Safeway S20 Series

Couplers

Part Number	Part Description	List Price
HFSFC6814	ISO 5675 Coupler - 1/4”	$14.62
HFSFC6838	ISO 5675 Coupler - 3/8”	$19.72
HFSFC6812	ISO 5675 Coupler - 1/2”	$20.60
HFSFC6812-#8SAE	ISO 5675 Coupler - 1/2” x #8 SAE Ball	$20.60
HFSFC6612-#8SAE	ISO 5675 Coupler - 1/2” x #8 SAE Poppet	$20.60
HFSFC6834	ISO 5675 Coupler - 3/4”	$37.06
HFSFC6810	ISO 5675 Coupler - 1”	$49.95

Plugs

Part Number	Part Description	List Price
HFSFP6814	ISO 5675 Plug - 1/4”	$6.80
HFSFP6838	ISO 5675 Plug - 3/8”	$9.25
HFSFP6812	ISO 5675 Plug - 1/2”	$11.56
HFSFP6812-#8SAE	ISO 5675 Plug - 1/2” x #8 SAE Ball	$9.83
HFSFP6612-#8SAE	ISO 5675 Plug - 1/2” x #8 SAE Poppet	$9.83
HFSFP6834	ISO 5675 Plug - 3/4”	$15.56
HFSFP6810	ISO 5675 Plug - 1”	$27.29

Agricultural Dust Protectors

Dust protectors to fit Agricultural couplers and plugs



Coupler Plugs

Part Number	Part Description	List Price
AGPP-1/4	Ag Dust Protector -1/4”	$2.96
AGPP-3/8	Ag Dust Protector -3/8”	$2.96
AGPP-1/2	Ag Dust Protector -1/2”	$2.96
AGPP-3/4	Ag Dust Protector -3/4”	$4.39
AGPP-1	Ag Dust Protector -1"	$4.64

Plug Caps

Part Number	Part Description	List Price
AGPC-1/4	Ag Dust Protector -1/4”	$2.96
AGPC-3/8	Ag Dust Protector -3/8”	$2.96
AGPC-1/2	Ag Dust Protector -1/2”	$2.96
AGPC-3/4	Ag Dust Protector -3/4”	$4.39
AGPC-1	Ag Dust Protector -1"	$4.64

Wet Line



Applications: This series coupling is a heavy-duty wing nut coupling designed for use in hydraulic lines where dry break and minimal air inclusion are required. It is ideal for hydraulic dump trucks, oil field equipment, sand and salt spreading equipment, dump and demolition trailers, live bed trailers and other heavy-duty applications requiring the ability to connect or disconnect under pressure.

Interchanges with:

- Dixon W Series
- Faster FB Series
- Hanson 96 Series
- Parker 6100 Series
- Safeway S51 Series

Couplers

Part Number	Part Description	List Price
HFBFC9812	Wet Line Coupler- 3/4" Body X 1/2" Female NPT	$95.86
HFBFC9834	Wet Line Coupler - 3/4" Body X 3/4" Female NPT	$105.23
HFBFC9810	Wet Line Coupler - 1" Body X 1" Female NPT	$115.12
HFBFC98114	Wet Line Coupler - 1-1/4” Body X 1-1/4” Female NPT	$178.42
HFBFC98112	Wet Line Coupler - 1-1/2” Body X 1-1/2” Female NPT	$213.95

Plugs

Part Number	Part Description	List Price
HFBFP9812	Wet Line Plug - 3/4" Body X 1/2" Female NPT	$70.01
HFBFP9834	Wet Line Plug - 3/4" Body X 3/4" Female NPT	$70.01
HFBFP9810	Wet Line Plug - 1" Body X 1" Female NPT	$78.88
HFBFP98114	Wet Line Plug - 1-1/4” Body X 1-1/4” Female NPT	$146.99
HFBFP98112	Wet Line Plug - 1-1/2” Body X 1-1/2” Female NPT	$179.06

Wet Line Dust Protectors

Dust protectors to fit Wet Line couplers and plugs





Coupler Plugs

Part Number	Part Description	List Price
FBM-12	Wet Line Dust Protector -3/4”	$2.96
FBM-16	Wet Line Dust Protector -1”	$2.96
FBM-20	Wet Line Dust Protector -1-1/4”	$2.96
FBM-24	Wet Line Dust Protector -1-1/2”	$4.39

Plug Caps

Part Number	Part Description	List Price
FBF-12	Wet Line Dust Protector -3/4”	$2.96
FBF-16	Wet Line Dust Protector -1”	$2.96
FBF-20	Wet Line Dust Protector -1-1/4”	$2.96
FBF-24	Wet Line Dust Protector -1-1/2”	$4.39

GMIS Sleeving





GMIS sleeving is a woven textile hose protection product. Designed for burst containment of hydraulic fluid escaping a hose rupture or a pinhole leak, the sleeve will dissipate the fluid safely, minimizing harm to employees and equipment. Simple and easy to install, the GMIS Series offers excellent abrasion resistance while being both extremely durable and flexible. The sleeve also offers UV protection for hoses. Additionally, the GMIS Series has been approved by MSHA for use in the mining industry.

Sizing Note: Choose a sleeve size 1.5 to 2x the OD of your hose or bundle. Figure 20% extra in length and secure ends of the sleeving to the hose. This will ensure the sleeve has enough room to expand to properly contain fluid.

- Burst containment protection tested to 400 bar (5,800 PSI)
- Flame retardancy - exceeds performance levels to ISO 8030 and self-extinguishes in less than 30 seconds
- MSHA approved - IC-319/2
- Protects against physical abrasion and deterioration
- Extremely durable and flexible material
- Manufactured with a catch-cord
- Large variety of standard sizes
- Material: Polyester
- Standard Color: Black

Part Number	Flat Width	I.D.	List Price
GMIS-17	1.187"	.71"	$0.50
GMIS-20	1.25"	.82"	$0.52
GMIS-23	1.50"	.92"	$0.54
GMIS-25	1.65"	1.00"	$0.60
GMIS-27	1.875"	1.13"	$0.72
GMIS-31	2.03"	1.25"	$0.84
GMIS-35	2.187"	1.33"	$0.94
GMIS-36	2.50"	1.42"	$0.98
GMIS-40	2.56"	1.58"	$1.04
GMIS-44	2.81"	1.78"	$1.12
GMIS-47	3.00"	1.91"	$1.18
GMIS-55	3.31"	2.06"	$1.26
GMIS-60	3.625"	2.18"	$1.42
GMIS-66	4.25"	2.65"	$1.88
GMIS-73	4.56"	2.86"	$2.00
GMIS-93	5.81"	3.65"	$2.40

Applications:

Protects hose from abrasion and degradation

Allows bundling of hose, cable, rope, chain, wire, etc.

Offers limited protection from hose bursts and pinhole leaks

Available in rolls of 300’

Spiral Hose Guard



Thermoplastic extruded spiral with rounded external surface, smoothed edges and ribbed internal profile
Lightweight, yet crush-resistant
Stays in place on the hose without sliding
Easily overlaps offering greater protection
Material: Propene Polymer, non-toxic
Temperature range: -30° to +175°F
Combustibility: The product is not self-extinguishing. Speed of combustion at British Standard 1524-55 is 1 1/4" per minute

Part Number	Part Description	List Price
BPHG-.25	.25" x 40'	$35.11
BPHG-.37	.37" x 40'	$43.45
BPHG-.50	.50" x 40'	$43.45
BPHG-.62	.62" x 40'	$52.31
BPHG-.75	.75" x 40'	$61.85
BPHG-1.00	1.00" x 40'	$88.60
BPHG-1.10	1.10" x 40'	$155.55
BPHG-1.38	1.38" x 40'	$203.75
BPHG-1.75	1.75" x 40'	$292.55
BPHG-2.56	2.56" x 40'	$366.10
BPHG-3.15	3.15" x 40'	$431.56

Mini Ball Valves

Mini Ball Valve





Maximum working pressure: 235 PSI (will handle 300 PSI at 75° F)
Solid chrome-plated brass ball
Longer body style for longer and deeper thread connections
One-piece nickel-plated brass body
Double seal system allows valve to operate in both directions
Blowout-proof brass stem
Temperature range: 32° F to 176° F

Male x Female

Part Number	Size	List Price
MBV-1/8-MXF	1/8”	$6.24
MBV-1/4-MXF	1/4”	$6.24
MBV-3/8-MXF	3/8”	$6.15
MBV-1/2-MXF	1/2”	$9.72

Female x Female

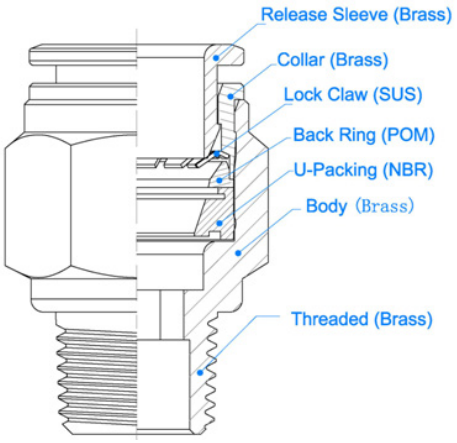
Part Number	Size	List Price
MBV-1/8-FXF	1/8”	$7.02
MBV-1/4-FXF	1/4”	$7.02
MBV-3/8-FXF	3/8”	$6.52
MBV-1/2-FXF	1/2”	$9.72

Push-to-Connect Fittings

Nickel-Plated Brass
Applicable Fluid Type: Air, Water (No Drinking Water), Vacuum
Working Pressure Range: -14~225 PSI; -0.99~15Bar
Working Temperature Range: -4°F ~160°F; -15°C ~71°C
Vacuum Rating: to 28'' Hg
Recommended Tubing: PA11, PA12, PA6, PE, PU, FEP, PFA

M PC 1/4" - N01

Nickel-Plated Brass	Model	Tubing Size	Thread Size	
			U10	10/32"
			N01	1/8"
			N02	1/4"
			N03	3/8"
			N04	1/2"





Tube OD	Thread	Male Straight MPC	Female Straight MPCF	Male Swivel Elbow MPL	Male Rigid Elbow MPLN
1/8"	10/32" NPT	$2.64		$6.08	$6.08
	1/8" NPT	$2.78		$4.39	$4.39
	1/4" NPT	$2.83	$3.36	$4.46	$4.46
5/32"	10/32" NPT	$2.70		$5.14	$5.14
	1/8" NPT	$2.55	$4.93	$4.24	$4.24
	1/4" NPT	$3.14		$5.19	$5.19
3/16"	1/8" NPT	$3.27		$5.21	$5.21
1/4"	10/32" NPT	$2.68		$3.81	$3.81
	1/8" NPT	$2.86	$4.93	$4.88	$4.88
	1/4" NPT	$3.14	$5.62	$5.31	$5.31
	3/8" NPT	$3.44	$5.64	$5.49	$5.49
5/16"	1/8" NPT	$3.23	$5.64	$5.49	$5.49
	1/4" NPT	$3.38	$5.93	$5.72	$5.72
	3/8" NPT	$4.37		$7.26	$7.26
3/8"	1/8" NPT	$4.42		$8.01	$8.01
	1/4" NPT	$4.51	$7.65	$8.15	$8.15
	3/8" NPT	$4.75	$9.50	$8.70	$8.70
	1/2" NPT	$6.52		$8.78	$8.78
1/2"	1/4" NPT	$6.23		$9.85	$9.85
	3/8" NPT	$7.23	$9.54	$10.28	$10.28
	1/2" NPT	$7.59		$11.30	$11.30



Tube OD	Thread	Female Elbow MPLF	Male Branch Tee MPT	Male Run Tee MPD	Male Y MPX
1/8”	10/32” NPT				$8.05
	1/8” NPT		$7.17	$7.17	
5/32”	1/8” NPT	$4.95	$6.07	$6.07	
	1/4” NPT		$6.46	$6.46	
1/4”	1/8” NPT	$5.25	$6.20	$6.20	
	1/4” NPT	$6.09	$6.59	$6.59	$9.30
	3/8” NPT			$6.63	
	1/2” NPT		$7.67		
5/16”	1/8” NPT	$5.65	$6.84	$6.84	
	1/4” NPT	$6.43	$7.25	$7.25	
3/8”	1/4” NPT	$8.01	$10.08	$10.08	
	3/8” NPT	$9.90	$10.57	$10.57	
1/2”	3/8” NPT		$12.86	$12.86	
	1/2” NPT		$14.37	$14.37	



Tube OD	Thread	Male Banjo MPH	Female Bulkhead MPMF	Union Elbow MPUL	Union Straight MPUC
1/8”	10/32” NPT	$6.50			
	1/8” NPT			$4.40	$4.15
5/32”	5/32” NPT			$4.25	$4.04
	1/8” NPT	$7.07			
3/16”	3/16” NPT				$4.29
1/4”	1/8” NPT	$7.19	$7.14		
	1/4” NPT	$7.89	$7.21	$4.48	$4.39
	3/8” NPT		$7.35		
5/16”	1/8” NPT	$7.49			
	1/4” NPT	$7.49			
	5/16” NPT			$4.98	$4.94
3/8”	1/4” NPT	$9.45			
	3/8” NPT	$11.57	$9.98	$6.99	$5.69
1/2” NPT	1/2” NPT		$11.98	$8.21	$7.96

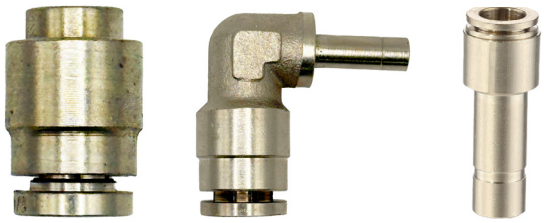
Push-to-Connect Fittings



Tube OD	Thread	Union Tee MPUT	Union Y MPY	Bulkhead Union MPM	Union Cross MPZA
1/8”	1/8” NPT	$5.66	$8.11	$6.62	
5/32”	5/32” NPT	$5.62	$9.02	$6.84	
1/4”	1/4” NPT	$5.93	$9.35	$7.21	$9.69
5/16”	5/16” NPT	$6.90	$11.02	$7.57	
3/8”	3/8” NPT	$9.10	$11.33	$9.98	$11.78
1/2”	1/2” NPT	$11.92	$12.08	$11.98	



Tube OD	Thread	Plug-In Elbow MPLJ	Union Y MPP	Union Reducer MPG	Union Tee Reducer MPTG
1/8”	1/8” NPT		$1.19		
5/32”	5/32” NPT		$1.19		
1/4”	1/8” NPT				$5.01
	1/4” NPT	$3.46	$1.46		
5/16”	5/16” NPT		$1.70		
3/8”	1/4” NPT			$4.42	$7.93
	3/8” NPT	$5.37	$2.20		
1/2”	1/2” NPT		$2.79		



Tube OD	Thread	Cap MPPF	Plug-In Reducer Elbow MPLGJ	Plug-In Reducer MPGJ
1/4”	5/32” NPT			$3.66
	1/4” NPT	$1.91		
5/16”	1/4” NPT			$3.72
3/8”	1/4” NPT		$5.15	$3.72
	5/16” NPT			$4.00
	3/8” NPT	$2.86		
1/2"	1/4" NPT			$3.77

Composite

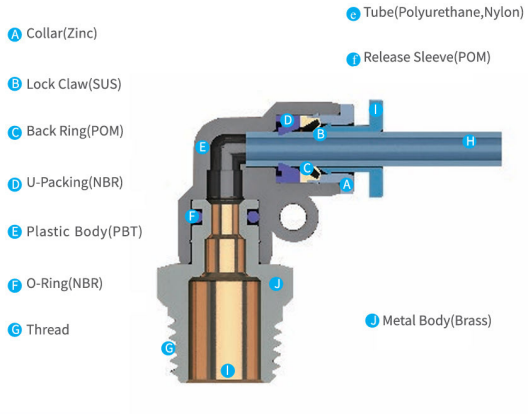
Applicable Fluid Type: Air, Water (No Drinking Water/Hot water)

Working Pressure Range: -14~150 PSI -0.99~9.9Kgf/m² ('-99~990Kpa)

Negative Pressure: -29.5 in Hg (-14PSI) -750mm Hg (-750Torr)

Working Temperature Range: 23~140°F (Air); 32~104°F (Water)

Recommended Tubing: PA11, PA12, PA6, PE, PU, FEP, PFA





Tube OD	Thread	Male Straight PC	Female Straight PCF	Male Swivel Elbow PL	Female Swivel Elbow PLF
1/8”	10/32” NPT	$1.06		$1.19	
	1/8” NPT	$1.06		$1.19	
	1/4” NPT	$1.06	$1.22	$1.19	
5/32”	10/32” NPT	$1.06		$1.19	
	1/8” NPT	$1.06	$1.22	$1.19	$1.45
	1/4” NPT	$1.06	$1.22	$1.19	$1.45
3/16”	1/8” NPT	$1.06	$1.22	$1.19	
	1/4” NPT			$1.19	
1/4”	10/32” NPT	$1.06		$1.19	
	1/8” NPT	$1.06	$1.22	$1.19	$1.45
	1/4” NPT	$1.06	$1.41	$1.19	$1.45
	3/8” NPT	$1.56	$1.68	$1.52	$1.77
5/16”	1/8” NPT	$1.06	$1.41	$1.41	$1.65
	1/4” NPT	$1.06	$1.41	$1.41	$1.65
	3/8" NPT	$1.58		$1.65	$1.95
3/8”	1/8” NPT	$1.62	$1.91	$1.65	
	1/4” NPT	$1.62	$1.91	$1.65	$2.31
	3/8” NPT	$1.62	$1.91	$1.77	$2.31
	1/2” NPT	$1.62	$2.90	$2.98	
1/2”	1/4” NPT	$2.38	$2.90	$2.98	$3.50
	3/8” NPT	$2.38	$2.90	$2.98	$3.50
	1/2” NPT	$2.38	$2.90	$2.98	$3.50

Push-to-Connect Fittings



Tube OD	Thread	Male Elbow Long PLL	Male Branch Tee PT	Female Branch Tee PTF	Male Run Tee PST
1/8”	1/8” NPT		$1.77		
	1/4” NPT		$1.77		
5/32”	10/32” NPT		$1.77		
	1/8” NPT		$1.77	$1.77	$1.77
	1/4” NPT		$2.05	$1.77	$1.77
1/4”	10/32” NPT		$2.05		
	1/8” NPT	$1.45	$2.05	$2.05	$2.05
	1/4” NPT	$1.45	$2.13	$2.13	$2.13
	3/8” NPT		$2.44	$2.44	$2.44
5/16”	1/8” NPT		$2.31	$2.31	$2.31
	1/4” NPT	$1.65	$2.31	$2.31	$2.31
	3/8” NPT		$2.36	$2.56	
3/8”	1/8” NPT		$2.44		
	1/4” NPT	$2.31	$2.56	$2.56	$2.56
	3/8” NPT	$2.31	$2.72	$2.72	$2.72
	1/2” NPT		$3.56	$3.56	
1/2”	1/4” NPT		$3.34		
	3/8” NPT		$3.43	$3.34	$3.34
	1/2” NPT		$3.56	$3.56	$3.56



Tube OD	Thread	Female Bulkhead PMF	Male Y PWT	Male 45° Elbow PLH	Male Banjo PH
1/8”	1/8” NPT	$2.05			$2.05
	1/4” NPT	$2.05			$2.05
5/32”	10/32” NPT		$1.77		$2.05
	1/8” NPT				$2.05
	1/4” NPT				$2.05
1/4”	10/32” NPT				$2.48
	1/8” NPT	$2.48	$2.05		$2.48
	1/4” NPT	$2.80	$2.05	$1.91	$2.80
	3/8” NPT	$3.10			$3.10
5/16”	1/8” NPT				$2.44
	1/4” NPT				$2.80
	3/8” NPT				$3.10
3/8”	1/4” NPT	$3.10	$2.56		$3.10
	3/8” NPT	$3.34	$2.72		$3.34
	1/2” NPT		$3.56		$3.60
1/2”	1/4” NPT	$3.34			$3.34
	3/8” NPT				$3.60
	1/2” NPT	$3.88	$3.56		$3.88






Tube OD	Thread	Female Banjo PHF	Straight Union PUC	Union Elbow PUL	Union Tee PUT
1/8”	1/8” NPT		$1.09	$1.09	$1.61
5/32”	5/32” NPT		$1.09	$1.09	$1.61
3/16”	3/16” NPT		$1.15	$1.15	$1.61
1/4”	1/4” NPT	$3.06	$1.15	$1.15	$1.61
5/16”	5/16” NPT		$1.29	$1.29	$1.61
3/8”	3/8” NPT		$1.52	$1.52	$1.95
1/2”	1/2” NPT		$1.76	$1.77	$2.35






Tube OD	Thread	Union Y PY	Union Cross PZA	Bulkhead Union PMM	Plug PP
1/8”	1/8” NPT			$2.23	$0.46
5/32”	5/32” NPT	$1.61	$2.19	$2.23	$0.46
1/4”	1/4” NPT	$1.61	$2.44	$2.23	$0.62
5/16”	5/16” NPT				$0.75
3/8”	3/8” NPT	$1.95	$3.06	$3.42	$0.94
1/2”	1/2” NPT		$3.56	$4.00	$1.19





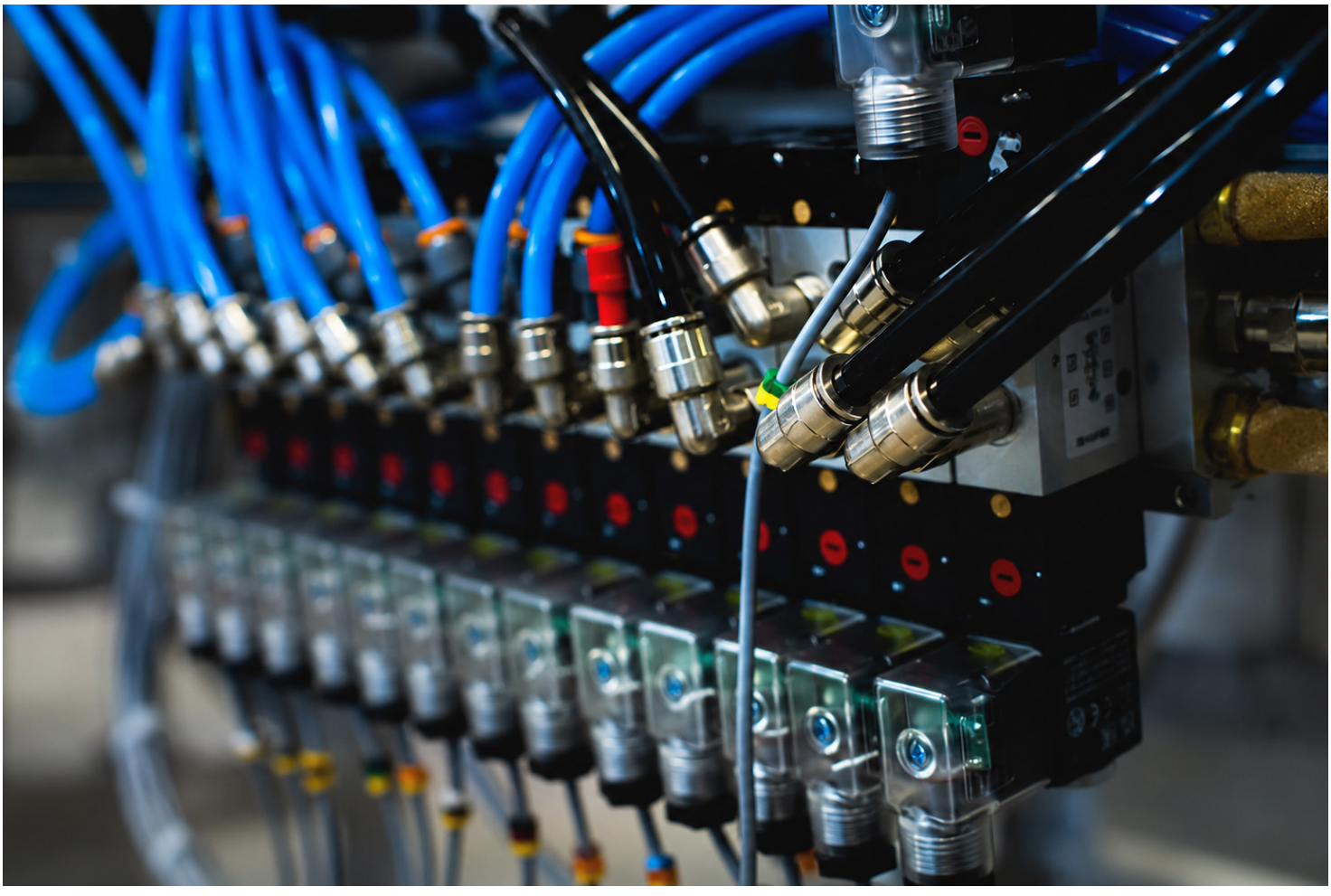

Tube 1 OD (Plug)	Tube 2 OD (PTC)	Plug-In Reducer PGJ	Plug-In Elbow PLJ	Plug-In Y PYJ	Triple Branch Union PKG
5/32”	5/32”		$1.29	$2.97	
1/4”	5/32”	$1.61	$1.35	$3.00	$3.95
	1/4”		$1.48	$3.15	
5/16”	1/4”	$1.73	$1.58	$3.66	$4.23
	5/16”		$1.81	$3.95	
3/8”	1/4”	$1.73	$2.75	$5.11	$4.79
	5/16”	$1.91	$3.02	$5.56	$4.79
	3/8”		$3.14	$6.48	
1/2”	1/4”	$2.31	$3.30		
	3/8”	$2.45			
	1/2”		$3.50	$7.05	

Push-to-Connect Fittings






Tube OD	Thread	Check Valve SPCV	Shut Off Valve HVFF	Shut Off Valve HVSF	Speed Control Valve NSE
5/32”	1/8” NPT				$7.65
	5/32” NPT				$7.65
1/4”	1/8” NPT				$15.81
	10/32” NPT				$7.65
	1/4” NPT	$6.32	$12.40	$12.40	$15.81
	3/8” NPT				$10.90
5/16”	1/4” NPT				$10.90
3/8”	1/4” NPT				$9.81
	3/8” NPT		$13.25	$13.25	$9.81
1/2”	1/2” NPT				$11.92



Crimping Machines

Hand Pump Crimpers

Typical lead time 6-8 weeks

This hand pump crimper comes with six adjustable dies ranging in sizes from 16mm through 45mm.

Available with (YL-16HP) or without (YL-16HPZ) a storage cabinet for dies.

Maximum Crimp Diameter 1”
Crimping Range 4-45mm
Crimping Force 1200 kN
Size without Storage Box 8.66”L x 9.84”W x 12.21”H
Size with Storage Box 15.75”L x 13.78”W x 12.60”H
Weight 57 lbs w/o storage; 95 lbs w/ storage



YL-16HPZ



YL-16HP

Our YL-16AP air pump crimper comes with six adjustable dies ranging in sizes from 16mm through 45mm.

It comes mounted on a die storage cabinet.

Specs are the same as the hand pump crimper with storage box, listed above.



YL-16AP

Part Number	Description	List Price
YL-16HPZ	Hand Crimper w/o storage	$6729
YL-16HP	Hand Crimper w/ storage	$7084
YL-16AP	Air Pump Crimper	$7438



CS-20

Mobile Crimper 12V/24V

This mobile crimper is great for use in the field. It can be powered by a car battery. It comes with 9 adjustable dies ranging in sizes from 14mm through 51mm. Able to accommodate larger dies up to 87mm, sold separately.

Maximum Crimp Diameter 1-1/4”
Crimping Range 4-87mm
Motor 1.6/2.2 kW
Voltage DC 12V / 24V
Pump 1.5 cc / 3 rev
Crimping Force 1700 kN
Protection Class IP54
Size without Storage Box 23.62”L x 19.69”W x 19.69”H
Weight 265 lbs

Part Number	Description	List Price
CS-20	12V/24V Crimper	$15,228

Crimping Machines



YL-20

Workshop Crimper

Our basic workshop crimper can crimp hoses up to 1-1/4". It comes with 9 adjustable dies ranging in sizes from 14mm through 51mm. Accommodate larger dies up to 87mm; sold separately. Also comes with manual change tool and back stop device.

This crimper is also available with a die cabinet (YL-20S). This model comes with quick change tool.

Maximum Crimp Diameter 1-1/4"
Crimping Range 4-87mm
Motor 3.6 kW
Voltage 220 / 440
Pump 11.15 L/min
Crimping Force 1700 kN
Protection Class IP54
Size without Die Cabinet 24.02"L x 23.62"W x 23.62"H
Size with Die Cabinet 26.77"L x 23.62"W x 53.15"H
Weight 441 lbs w/o cabinet; 507 lbs w/ cabinet

Our largest crimping machine can crimp hoses up to 2". It comes standard mounted on a die cabinet. It comes with 12 dies, from 14mm through 74mm. Able to accommodate larger dies up to 87mm; sold separately. Also comes with quick change tool, manual change tool, and back stop device.

Maximum Crimp Diameter 2"
Crimping Range 4-87mm
Motor 3.6 kW
Voltage 220 / 440
Pump 11.15 L/min
Crimping Force 2200 kN
Protection Class IP54
Size 26.77"L x 23.62"W x 55.12"H
Weight 596 lbs

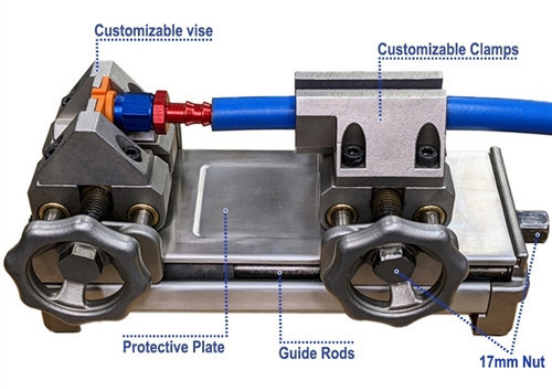


YL-20S / YL-32

Part Number	Description	List Price
YL-20	Workshop Crimper up to 1-1/4" w/o storage	$15,228
YL-20S	Workshop Crimper up to 1-1/4" w/ storage	$17,000
YL-32	Workshop Crimper up to 2"	$22,312

Hose Presses

EZ-ON push-lock hose presses by Koul Tools make installing push-lock hoses, nylon fuel lines, and plastic tubing a snap. This push-on fitting insertion tool for hoses avoids the need to heat or lubricate hoses to attach them to barbed fittings. A clamp holds the tube in place while a wheeled assembly on a track pushes the hose onto either straight or angled fittings. The assembly moves on a drive train operated by a 17 mm hand-held ratchet wrench or automatic ratchet gun.





EZ-ON Hose Press Model 426

- Installs 1/4″ to 1″ hose
- Vise holds straight and angled fittings
- Includes custom carrying case
- 3" of travel
- Material: aluminum and steel



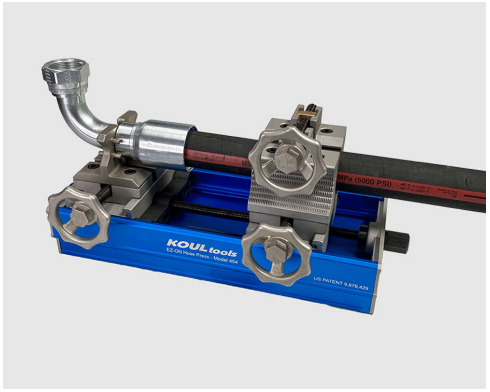
EZ-ON Hose Press Model 427

- Installs 1/4" to 1" hose
- Vise holds straight and angled fittings
- Includes custom carrying case
- 3" of travel
- Material: all stainless steel
- Improved durability over other models



EZ-ON Hose Press Model 454

- Installs 1" to 2" hose
- Vise holds straight and angled fittings
- Includes custom carrying case
- 6" of travel
- Material: aluminum and stainless steel



EZ-ON Hose Press Model 223

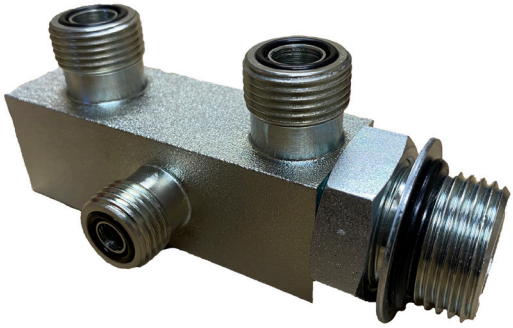
- Installs 2" to 3″ hose
- Vise holds straight fittings
- Includes custom carrying case
- 6:1 gear reduction drive
- Material: aluminum and steel



Part Number	Description	List Price
EZ-ON-426	1/4" to 1" Hose Press	$724
EZ-ON-427	1/4" to 1" Stainless Hose Press	$877
EZ-ON-454	1" to 2" Hose Press	$1698
EZ-ON-223	2" to 3" Hose Press	$6290

Custom Capabilities

Beyond our standard catalog, we offer fully custom-manufactured parts tailored to your exact specifications. Working from a print, an industry part number, or even a physical sample, we can bring virtually any component to life. Whatever your application requires, we have the capability to make it a reality.















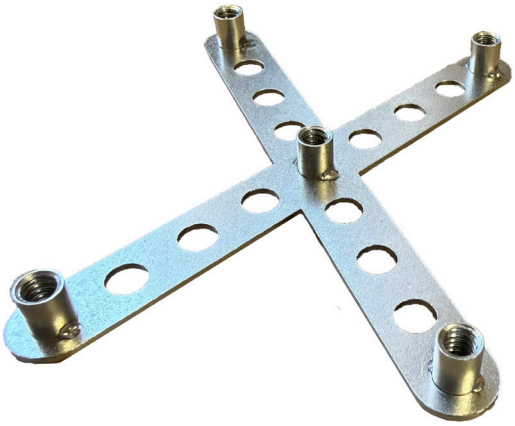










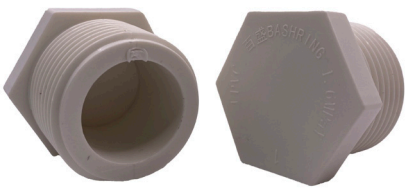















Gazelle Marketing, Inc.
20115 Auger Ave.
Corcoran, MN 55340

(763) 496-0160

www.gazellemarketing.com