



**MIDWEST HOSE**  
**FLOWWEX™ HYDRAULIC**  
KEEPING THE INDUSTRY CONNECTED®



## INDUSTRY LEADERS SINCE 1983

### WHO WE ARE

Established in 1983, Midwest Hose has grown from a single shop into one of the nation's leading manufacturers and suppliers of industrial hose and fluid transfer products. We provide a broad range of items – hoses, belts, valves, unions, fittings, and more – serving critical industries like oil & gas, mining, construction, and manufacturing. Our reputation is built on pairing innovation with reliability to deliver exceptional quality and value, all backed by customer service that truly puts your needs first. We continually invest in advanced products and in-house testing to ensure our hoses outperform the competition in real-world conditions. As an industry leader, we welcome tough challenges and prove our worth by keeping your operations connected and running smoothly every day.

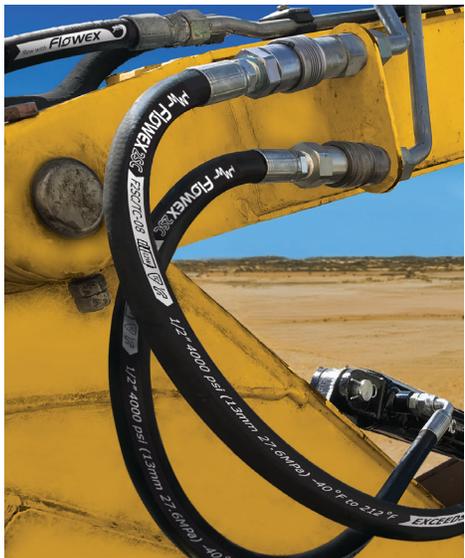
### OUR QUALITY POLICY

At Midwest Hose, quality isn't just a standard — it's our promise. We're dedicated to delivering products and service that consistently exceed expectations. By pursuing continuous improvement and innovation, we ensure our customers receive dependable solutions backed by one of the most trusted names in hose manufacturing.

### AVAILABILITY

From hydraulic to industrial, rotary, and layflat hoses, Midwest Hose offers one of the most complete product lines in the industry. With a full range of fittings and accessories, our extensive inventory ensures you get what you need, when you need it. Wherever the job takes you, Midwest Hose keeps you connected and working with confidence.





## MANUFACTURED FOR THE TOUGHEST JOBS

Midwest Hose has unveiled its latest innovation in hydraulic hose technology: the Flowex isobaric line. Engineered to meet the rigorous demands of industries such as mining, construction, and oil and gas, Flowex offers a combination of durability, flexibility, and consistent performance.

### ISOBARIC ADVANTAGE

The Flowex line features isobaric design, ensuring a constant working pressure across all hose sizes. This simplifies system design and inventory management, allowing for easier hose selection and replacement. Comparable to industry standards set by Gates' MegaSys and Parker's GlobalCore series, Flowex provides a streamlined solution for complex hydraulic systems.

### BUILT FOR TOUGH ENVIRONMENTS

Constructed with high-tensile steel wire braids and oil-resistant synthetic rubber, Flowex hoses are designed to withstand harsh conditions. The outer cover resists abrasion, ozone, oil, and weather, making them suitable for demanding applications. With a temperature range of -40°F to 250°F and a 4:1 safety factor, these hoses are built for reliability.

### FLEXIBILITY AND PERFORMANCE

Flowex hoses offer tight bend radii, facilitating installation in confined spaces without compromising performance. This flexibility is crucial for equipment that requires precise hose routing. The consistent pressure ratings across sizes further enhance their versatility in various hydraulic applications.

### INDUSTRY APPLICATIONS

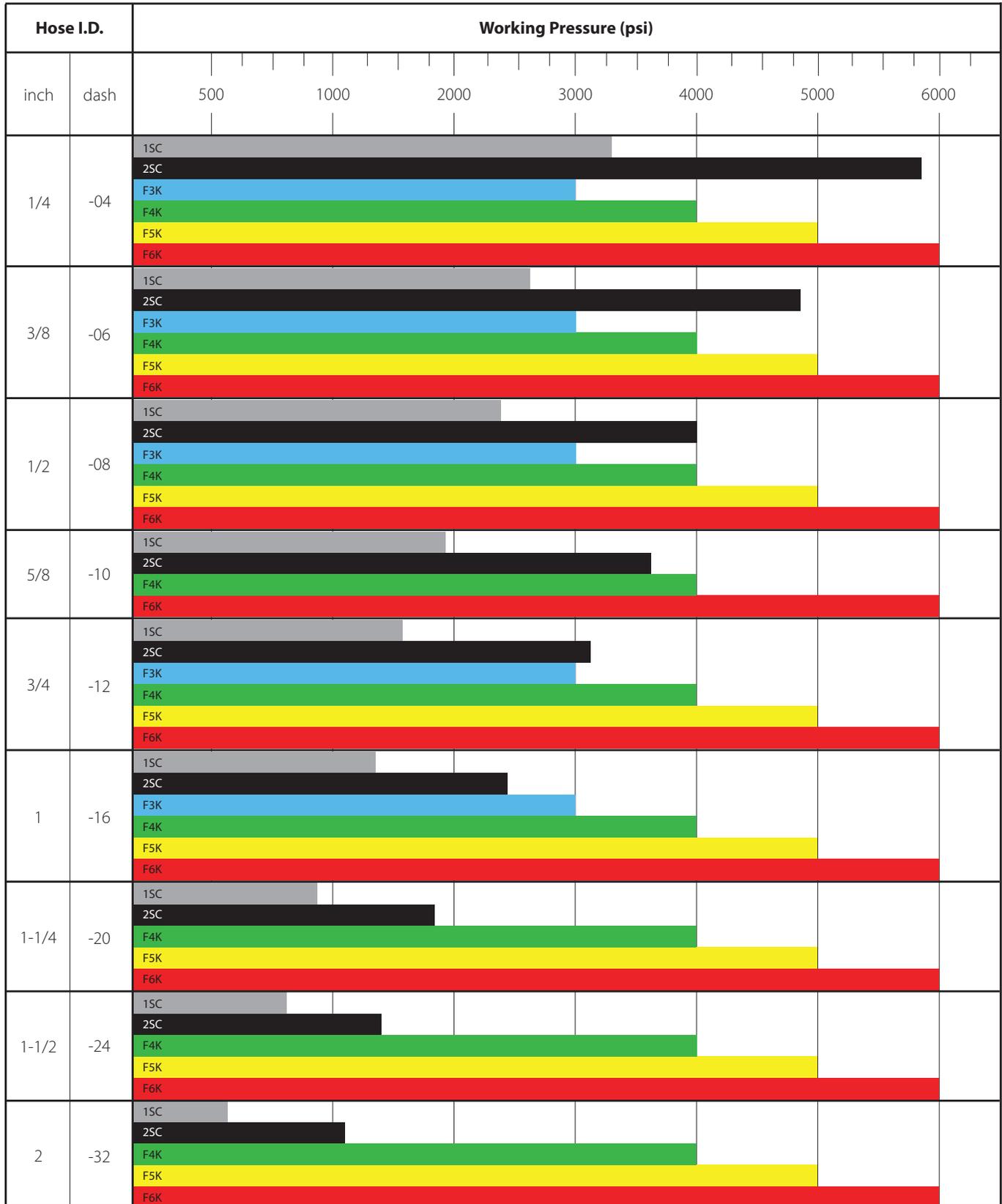
Ideal for sectors where equipment is exposed to extreme conditions, Flowex hoses are particularly suited for mining operations, where resistance to abrasion and flexibility are paramount. Their robust construction ensures longevity and reduces downtime, contributing to operational efficiency.

### RELIABLE CHOICE

Midwest Hose's Flowex isobaric hydraulic line represents a significant advancement in hose technology, offering consistent pressure ratings, durable construction, and flexibility. By aligning with industry benchmarks and addressing the practical needs of demanding applications, Flowex stands as a reliable choice for professionals seeking performance and efficiency in their hydraulic systems.

## FLOWEX WORKING PRESSURE CHART

Midwest Hose's Flowex isobaric hydraulic line represents a significant advancement in hose technology, offering consistent pressure ratings, durable construction, and flexibility. By aligning with industry benchmarks and addressing the practical needs of demanding applications, Flowex stands as a reliable choice for professionals seeking performance and efficiency in their hydraulic systems.



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**WARNING:** Hydraulic hose assemblies are designed for specific applications and operating conditions. Improper selection, installation, use, or maintenance can result in hose failure, serious injury, property damage, or death. **Always follow these guidelines and industry standards when handling hydraulic hose assemblies.**

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**Proper Selection:** Ensure the hose, fittings, and assembly are specifically rated for the system's pressure, temperature, fluid compatibility, and environment. Refer to SAE, ISO, and manufacturer specifications.

**Pressure & Burst Ratings:** **Never** exceed the maximum working pressure printed on the hose. System pressure spikes must be considered when determining hose selection. A hose should never be used as a structural support or subjected to loads beyond its design.

**Temperature Limits:** Operating the hose outside of its published temperature range may result in degradation, premature failure, or bursting. This includes both fluid and ambient temperatures.

**Installation:** Avoid twisting, kinking, crushing, or routing hoses too tightly around bends. Secure hoses to prevent abrasion and contact with sharp edges, moving machinery, or surfaces hotter than rated limits.

**Inspection & Maintenance:** Regularly inspect hose assemblies for leaks, cuts, abrasions, blistering, or other visible damage. Replace any hose showing signs of wear immediately. **Do not attempt to repair damaged hose assemblies; replacement is required.**

**Coupling Integrity:** Hose assemblies must only be fabricated with fittings and crimp specifications approved by the hose manufacturer. Mixing components from different manufacturers can cause premature failure and void warranties.

**Service Life:** Hydraulic hose is a wear item. Even under normal operating conditions, hoses degrade over time. Follow preventive maintenance schedules and replace hoses at recommended intervals or sooner if deterioration is observed.

**Personal Safety:** **Never** touch a pressurized hydraulic hose with bare hands. Fluid leaks under pressure can penetrate the skin and cause severe injury or infection requiring immediate medical attention. Depressurize the system before inspecting or replacing any hose.

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**NOTICE:** This catalog provides general information and is not intended to replace proper training, system design, or compliance with applicable safety standards. It is the responsibility of the equipment owner and operator to ensure all hydraulic hose assemblies are used in accordance with industry regulations, manufacturer instructions, and OSHA guidelines.

# 1SC

## Applications & Features

- For delivering water and petroleum-based hydraulic fluids
- Abrasion, ozone, oil, and weather resistant
- Tighter minimum bend radius than SAE 100R1 for easier routing

## Specs

**Tube** Synthetic rubber  
**Cover** Synthetic rubber  
**Reinforcement** One wire braid of high tensile steel  
**Safety Factor** 4:1  
**Temp Range** -40° F to 212° F



Part Number	ID	OD/Tolerance	Max WP		Burst		Reinforcement	Bend Radius	Weight
			PSI	BAR	PSI	BAR			
F1SC/TC-XX	inch	inch					Wire	inch	lbs/ft
F1SC/TC-04	1/4	0.492 +/- 0.016	3265	225	13060	900	1 Wire	2.0	0.13
F1SC/TC-06	3/8	0.626 +/- 0.016	2610	180	10440	720	1 Wire	2.6	0.19
F1SC/TC-08	1/2	0.760 +/- 0.020	2325	160	9300	641	1 Wire	3.5	0.24
F1SC/TC-10	5/8	0.906 +/- 0.020	1885	130	7540	520	1 Wire	4.0	0.33
F1SC/TC-12	3/4	1.051 +/- 0.020	1525	105	6100	421	1 Wire	4.7	0.42
F1SC/TC-16	1	1.374 +/- 0.020	1275	88	5100	352	1 Wire	6.0	0.61
F1SC/TC-20	1-1/4	1.660 +/- 0.024	915	63	3660	252	1 Wire	12.5	0.66
F1SC/TC-24	1-1/2	1.915 +/- 0.024	725	50	2900	200	1 Wire	14.8	0.71
F1SC/TC-32	2	2.465 +/- 0.024	580	40	2320	160	1 Wire	18.8	1.17

# 2SC

## Applications & Features

- For delivering water and petroleum-based hydraulic fluids
- Abrasion, ozone, oil, and weather resistant
- Tight bend radius and superior impulse life vs. SAE 100R2/100R16

## Specs

**Tube** Synthetic rubber  
**Cover** Synthetic rubber  
**Reinforcement** Two wire braids of high tensile steel  
**Safety Factor** 4:1  
**Temp Range** -40° F to 212° F



Part Number	ID	OD/Tolerance	Max WP		Burst		Reinforcement	Bend Radius	Weight
			PSI	BAR	PSI	BAR			
F2SC/TC-XX	inch	inch					Wire	inch	lbs/ft
F2SC/TC-04	1/4	0.531 +/- 0.016	5800	400	23200	1600	2 Wire	2.0	0.19
F2SC/TC-06	3/8	0.685 +/- 0.016	4800	331	19200	1324	2 Wire	2.6	0.28
F2SC/TC-08	1/2	0.811 +/- 0.020	4000	276	16000	1103	2 Wire	3.5	0.34
F2SC/TC-10	5/8	0.933 +/- 0.020	3625	250	14500	1000	2 Wire	3.9	0.43
F2SC/TC-12	3/4	1.091 +/- 0.020	3125	215	12500	862	2 Wire	4.7	0.56
F2SC/TC-16	1	1.398 +/- 0.020	2400	165	9600	662	2 Wire	5.9	0.81
F2SC/TC-20	1-1/4	1.745 +/- 0.024	1800	124	7200	496	2 Wire	8.3	0.94
F2SC/TC-24	1-1/2	2.030 +/- 0.024	1450	100	5800	400	2 Wire	11.8	1.20
F2SC/TC-32	2	2.535 +/- 0.024	1160	80	4640	320	2 Wire	15.8	1.70

# 2SC (Super Tough Cover)

## Applications & Features

- For delivering water and petroleum-based hydraulic fluids
- Ultra-abrasion-resistant covers
- Tight bend radius and superior impulse life vs. SAE 100R2/100R16

## Specs

**Tube** Synthetic rubber  
**Cover** Synthetic rubber  
**Reinforcement** Two wire braids of high tensile steel  
**Safety Factor** 4:1  
**Temp Range** -40° F to 212° F



Part Number	ID	OD/Tolerance	Max WP		Burst		Reinforcement	Bend Radius	Weight
			PSI	BAR	PSI	BAR			
F2SC/TC-XX	inch	inch					Wire	inch	lbs/ft
F2SC/ST-04	1/4	0.531 +/- 0.016	5800	400	23200	1600	2 Wire	2.0	0.19
F2SC/ST-06	3/8	0.685 +/- 0.016	4800	331	19200	1324	2 Wire	2.6	0.28
F2SC/ST-08	1/2	0.811 +/- 0.020	4000	276	16000	1103	2 Wire	3.5	0.34
F2SC/ST-10	5/8	0.933 +/- 0.020	3625	250	14500	1000	2 Wire	3.9	0.43
F2SC/ST-12	3/4	1.091 +/- 0.020	3125	215	12500	862	2 Wire	4.7	0.56
F2SC/ST-16	1	1.398 +/- 0.020	2400	165	9600	662	2 Wire	5.9	0.81
F2SC/ST-20	1-1/4	1.745 +/- 0.024	1800	124	7200	496	2 Wire	8.3	0.94
F2SC/ST-24	1-1/2	2.030 +/- 0.024	1450	100	5800	400	2 Wire	11.8	1.20
F2SC/ST-32	2	2.535 +/- 0.024	1160	80	4640	320	2 Wire	15.8	1.70

# F3K

## Applications & Features

- For delivering water and petroleum-based hydraulic fluids
- Abrasion, ozone, oil, and weather resistant
- Exceeds SAE 100R17 working-pressure requirements
- Smaller OD and tighter bend radius vs. SAE 100R1/100R2 for easier installs
- USCG Type A1-15 Certified

## Specs

**Tube** Synthetic rubber  
**Cover** Synthetic rubber  
**Reinforcement** One or two wire braid of high tensile steel  
**Safety Factor** 4:1  
**Temp Range** -40° F to 212° F



Part Number	ID	OD/Tolerance	Max WP		Burst		Reinforcement	Bend Radius	Weight
			PSI	BAR	PSI	BAR			
F3K/TC-XX	inch	inch					Wire	inch	lbs/ft
F3K/TC-04	1/4	0.492 +/- 0.016	3000	207	12000	827	1 Wire	2.0	0.12
F3K/TC-06	3/8	0.626 +/- 0.016	3000	207	12000	827	1 Wire	2.6	0.19
F3K/TC-08	1/2	0.760 +/- 0.016	3000	207	12000	827	1 Wire	3.5	0.25
F3K/TC-12	3/4	1.106 +/- 0.020	3000	207	12000	827	2 Wire	4.7	0.57
F3K/TC-16	1	1.390 +/- 0.020	3000	207	12000	827	2 Wire	6.0	0.76

# F4K

## Applications & Features

- For delivering water and petroleum-based hydraulic fluids and lubricating oils
- Abrasion, ozone, oil, and weather resistant
- Easy routing in very tight areas thanks to compact construction/bend radius
- USCG Type A1-15 Certified

## Specs

**Tube** Synthetic rubber  
**Cover** Synthetic rubber  
**Reinforcement** Two wire braid or four wire spiral of high tensile steel  
**Safety Factor** 4:1  
**Temp Range**  
 1/4" to 1" -40° F to 212° F  
 1-1/4" to 2" -40° F to 250° F



Part Number	ID	OD/Tolerance	Max WP		Burst		Reinforcement	Bend Radius	Weight
			PSI	BAR	PSI	BAR			
F4K/TC-XX	inch	inch					Wire	inch	lbs/ft
F4K/TC-04	1/4	0.531 +/- 0.016	4000	276	16000	1103	2 Wire	1.8	0.19
F4K/TC-06	3/8	0.685 +/- 0.016	4000	276	16000	1103	2 Wire	2.6	0.28
F4K/TC-08	1/2	0.811 +/- 0.016	4000	276	16000	1103	2 Wire	3.2	0.34
F4K/TC-10	5/8	0.972 +/- 0.020	4000	276	16000	1103	2 Wire	3.5	0.50
F4K/TC-12	3/4	1.091 +/- 0.020	4000	276	16000	1103	2 Wire	4.7	0.58
F4K/TC-16	1	1.409 +/- 0.020	4000	276	16000	1103	2 Wire	6.0	0.86
F4K/TC-20	1-1/4	1.791 +/- 0.020	4000	276	16000	1103	4 Wire	8.3	1.77
F4K/TC-24	1-1/2	2.106 +/- 0.020	4000	276	16000	1103	4 Wire	9.8	2.25
F4K/TC-32	2	2.681 +/- 0.020	4000	276	16000	1103	4 Wire	13.8	3.21

# F5K

## Applications & Features

- For delivering water and petroleum-based hydraulic fluids and lubricating oils
- Abrasion, ozone, oil, and weather resistant
- Meets/Exceeds EN 857 2SC & ISO 18752 Grade B; compact for tight routing
- USCG Type A1-15 Certified

## Specs

**Tube** Synthetic rubber  
**Cover** Synthetic rubber  
**Reinforcement** Two wire braid or four/six wire spiral of high tensile steel  
**Safety Factor** 4:1  
**Temp Range**  
 1/4" to 1/2" -40° F to 212° F  
 3/4" to 2" -40° F to 250° F



Part Number	ID	OD/Tolerance	Max WP		Burst		Reinforcement	Bend Radius	Weight
			PSI	BAR	PSI	BAR			
F5K/TC-XX	inch	inch					Wire	inch	lbs/ft
F5K/TC-04	1/4	0.531 +/- 0.016	5000	345	20000	1379	2 Wire	2.0	0.19
F5K/TC-06	3/8	0.673 +/- 0.016	5000	345	20000	1379	2 Wire	2.6	0.28
F5K/TC-08	1/2	0.799 +/- 0.020	5000	345	20000	1379	2 Wire	3.2	0.37
F5K/TC-12	3/4	1.268 +/- 0.020	5000	345	20000	1379	4 Wire	4.7	0.91
F5K/TC-16	1	1.524 +/- 0.020	5000	345	20000	1379	4 Wire	6.0	1.38
F5K/TC-20	1-1/4	1.791 +/- 0.024	5000	345	20000	1379	4 Wire	8.3	1.77
F5K/TC-24	1-1/2	2.256 +/- 0.024	5000	345	20000	1379	6 Wire	9.8	3.53
F5K/TC-32	2	2.831 +/- 0.024	5000	345	20000	1379	6 Wire	24.8	4.71

# F6K

## Applications & Features

- For delivering water and petroleum-based hydraulic fluids and lubricating oils
- Abrasion, ozone, oil, and weather resistant
- High impulse durability; up to ½ the bend radius of SAE spiral hoses (easier installs)
- USCG Type A1-15 Certified

## Specs

**Tube** Synthetic rubber  
**Cover** Synthetic rubber  
**Reinforcement** Two wire braid or four/six wire spiral of high tensile steel  
**Safety Factor** 4:1  
**Temp Range**  
 1/4" -40° F to 212° F  
 3/8" to 2" -40° F to 250° F



Part Number	ID	OD/Tolerance	Max WP		Burst		Reinforcement	Bend Radius	Weight
			PSI	BAR	PSI	BAR			
F6K/TC-XX	inch	inch					Wire	inch	lbs/ft
F6K/TC-04	1/4	0.516 +/- 0.016	6000	414	24000	1655	2 Wire	2.0	0.19
F6K/TC-06	3/8	0.815 +/- 0.016	6000	414	24000	1655	4 Wire	2.6	0.50
F6K/TC-08	1/2	0.906 +/- 0.020	6000	414	24000	1655	4 Wire	3.5	0.56
F6K/TC-10	5/8	1.043 +/- 0.020	6000	414	24000	1655	4 Wire	4.0	0.66
F6K/TC-12	3/4	1.268 +/- 0.020	6000	414	24000	1655	4 Wire	5.5	1.04
F6K/TC-16	1	1.543 +/- 0.020	6000	414	24000	1655	4 Wire	6.0	1.44
F6K/TC-20	1-1/4	1.945 +/- 0.020	6000	414	24000	1655	6 Wire	8.3	2.79
F6K/TC-24	1-1/2	2.256 +/- 0.020	6000	414	24000	1655	6 Wire	9.8	3.53
F6K/TC-32	2	2.831 +/- 0.024	6000	414	24000	1655	6 Wire	24.8	4.71



Scan me!

## Need more information?

Didn't find the Legacy hydraulic line you were looking for? Explore more with a quick scan! Simply scan the QR code to visit our website, where you'll find detailed product information, digital catalogs, flyers, and additional resources—all in one convenient place.



# Bite the Wire Crimp-On Fittings



## Midwest Hose Easy Identifier

2 lines = 2WB  
 4 lines = 4WB  
 6 lines = 6WB



### 2WB 2-Wire

End Type	End Type Description
MP	Male Pipe
FP	Female Pipe
MPX	Male Pipe Swivel
MJ	Male JIC
FJX	Female JIC
BSPPX	British Standard Pipe Parallel Swivel
FFOR	Flat Face O-Ring
MB	Male Boss O-Ring
MDL	Metric DIN Light
MDH	Metric DIN Heavy
SAE45	SAE 45 degree
FL	Code-61 Flange



### 4WB 4-Wire

*Non-skive version available*

End Type	End Type Description
MP	Male Pipe
MJ	Male JIC
FJX	Female JIC
FFOR	Flat Face O-Ring
FL	Code-61 Flange
FLH	Code-62 Flange



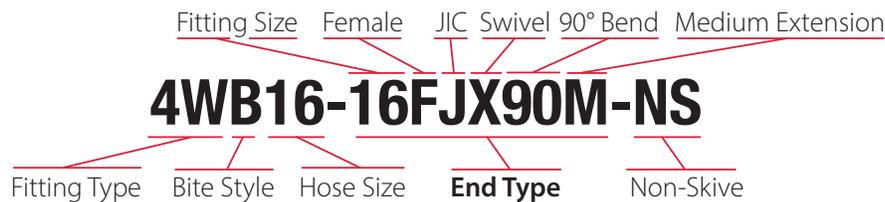
### 6WB 6-Wire

*Non-skive version available*

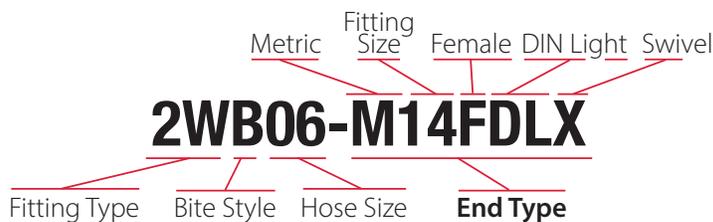
End Type	End Type Description
MP	Male Pipe
FJX	Female JIC
FL	Code-61 Flange
FLH	Code-62 Flange
FLC	Code-62 CAT Flange
MPAPI	Male API Threads

## Nomenclature for Crimp Fittings

### Standard



### Metric





# WHERE YOU NEED US, WHEN YOU NEED US.

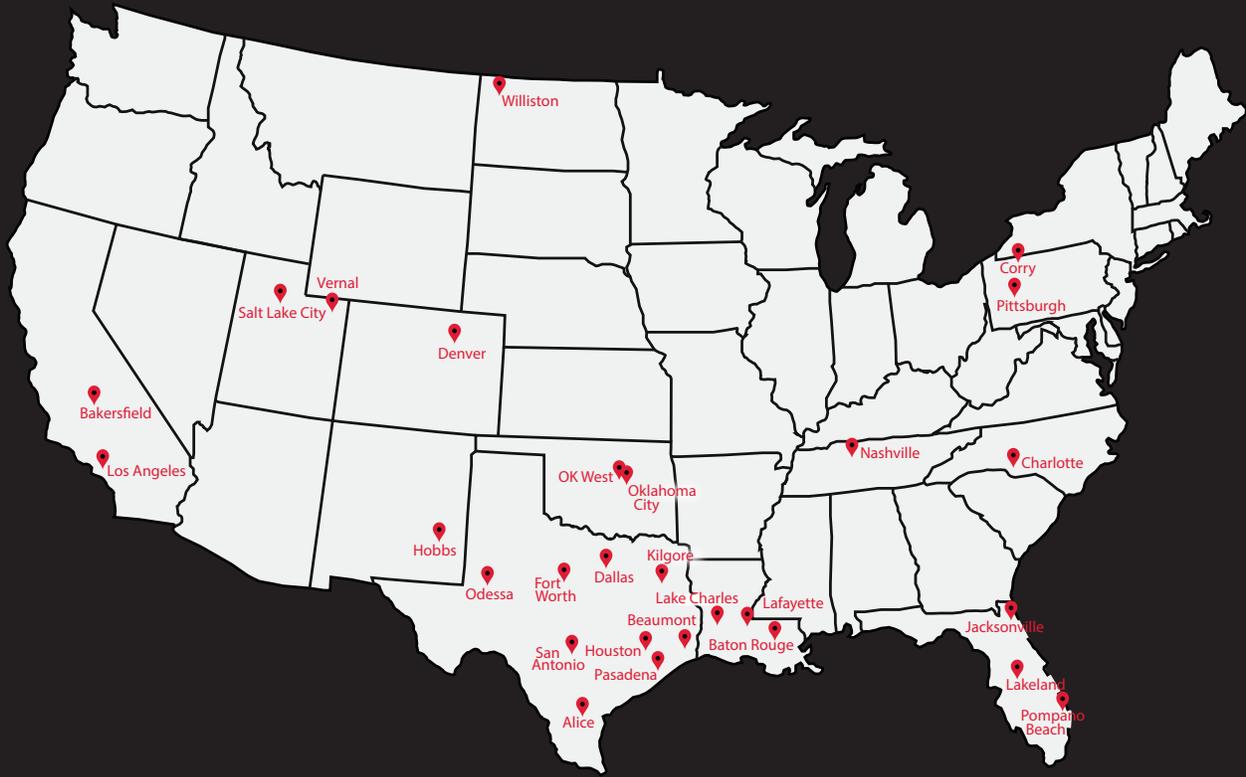
When a hose fails, every minute counts. Midwest Mobile delivers on-site hose service that keeps you moving — fast. Our fully equipped trucks and certified technicians arrive ready to cut, crimp, and test right where you work. From agriculture and construction to energy and industrial sites, we minimize downtime, prevent breakdowns, and keep operations running safely and efficiently.

*On-site hose repair that works when you can't afford to stop.*



# MIDWEST HOSE

KEEPING THE INDUSTRY CONNECTED®



## Locations Across the Country Providing Solutions

### Manufacturing Facilities

**HQ** Oklahoma City, OK\* (405) 670-6718  
Corry, PA (800) 375-2358  
Istanbul, Turkey (800) 375-2358

### West

Bakersfield, CA (661) 392-0491  
Los Angeles, CA\* (562) 250-5662  
Denver, CO\* (720) 826-9099  
Hobbs, NM (575) 397-0031  
Salt Lake City, UT (385) 231-1345  
Vernal, UT (435) 781-4760

### Southwest

OK West, OK (405) 262-2499

Alice, TX (361) 661-1815  
Beaumont, TX (409) 203-8145  
Dallas, TX\* (214) 638-3210  
Fort Worth, TX\* (817) 870-9130  
Houston, TX (713) 983-9092  
Kilgore, TX (903) 238-9616  
Odessa, TX\* (432) 333-2488  
Pasadena, TX (713) 472-2900  
San Antonio, TX (210) 932-9304

### Midwest

Williston, ND\* (701) 774-5330

### Northeast

Pittsburgh, PA (412) 221-4075

### Southeast

Jacksonville, FL (904) 990-1080  
Lakeland, FL\* (863) 777-4360  
Pompano Beach, FL\* (954) 317-5889  
Baton Rouge, LA (225) 317-7773  
Lafayette, LA (337) 330-4035  
Lake Charles, LA (337) 240-9457  
Charlotte, NC (980) 890-9003  
Nashville, TN\* (615) 422-6040

\* Mobile Service Available



SCAN ME



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