



The Right Connection®

BOSS LPS

Low Pressure Systems


Products designed specifically for the oil and gas industry



Application:

- used in the transfer of water, chemicals and sand slurry at hydraulic fracturing sites

Features:

- one-piece stem design eliminates leak path experienced with two-piece threaded systems
- interchangeable with current fittings; phase them into your operation
- 400 PSI (28 BAR) working pressure at 70°F (21°C) for 3" and 4" sizes; 4:1 safety factor (SF) ¹ 

Materials:

- frac fittings: machined iron to ASTM standards; all stems zinc plated
- male 3" and 4" NPT fittings are schedule 80 pipe meeting ASTM standards
- forged nuts meet AISI standards

¹ 400 PSI (28 BAR) working pressure with a minimum 4:1 safety factor (*hose burst: hose working pressure*) is only achieved with:

- 3" size uses standard crimp ferrules
- 4" size requires heavy duty (HD) crimp ferrules, CF400-6CSDH through CF400-16CSDH

3" Frac Fittings


Figure 100		Figure 206	
Part #	Description	Part #	Description
HUMF100300CS	3" figure 100 male/female assembly	HUMF206300CS	3" figure 206 male/female assembly
HUF100300CS	3" figure 100 female fitting	HUF206300CS	3" figure 206 female fitting
HUM100300CS	3" figure 100 male fitting (includes nut)	HUM206300CS	3" figure 206 male fitting (includes nut and O-ring)
STC35CS	3" male NPT fitting	STC35CS	3" male NPT fitting
HU100300N	3" figure 100 wing nut	HU206300N	3" figure 206 wing nut
		O238BU	O-ring (Buna-N)

4" Frac Fittings

Figure 100		Figure 206	
Part #	Description	Part #	Description
HUMF100400CS	4" figure 100 male/female assembly	HUMF206400CS	4" figure 206 male/female assembly
HUF100400CS	4" figure 100 female fitting	HUF206400CS	4" figure 206 female fitting
HUM100400CS	4" figure 100 male fitting (includes nut)	HUM206400CS	4" figure 206 male fitting (includes nut and O-ring)
STC40CSDH	4" male NPT fitting	STC40CSDH	4" male NPT fitting
HU100400N	4" figure 100 wing nut	HU206400N	4" figure 206 wing nut
		O347BU	O-ring (Buna-N)

- refer to the other side for information on ferrules
- Water and petroleum 4" ID transfer hoses rated from 100 to 300 PSI (7 to 21 BAR) WP (4:1 SF) have excellent test results with the standard King Crimp ferrules CF400-xxCS.

King Crimp Style Ferrules

 **Only use the crimp style shanks with the crimp style sleeves and ferrules.** Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon products.

3" Hose ID

Hose ID	Hose OD		400 PSI Hose & Below Use: Part #	Ferrule Wall Thickness	Ferrule ID	Ferrule Overall Length	Hose OD		400 PSI Hose & Below Use: Part #	Ferrule Wall Thickness	Ferrule ID	Ferrule Overall Length
	From	To					ID	To				
3"	3-13/64	3-16/64	CF300-1CS	0.090	3.313	4"	3-45/64	3-48/64	CF300-9CS	0.090	3.813	4"
	3-17/64	3-20/64	CF300-2CS	0.090	3.375	4"	3-49/64	3-52/64	CF300-10CS	0.090	3.875	4"
	3-21/64	3-24/64	CF300-3CS	0.090	3.438	4"	3-53/64	3-56/64	CF300-11CS	0.090	3.938	4"
	3-25/64	3-28/64	CF300-4CS	0.090	3.500	4"	3-57/64	3-60/64	CF300-12CS	0.090	4.000	4"
	3-29/64	3-32/64	CF300-5CS	0.090	3.563	4"	3-61/64	4	CF300-13CS	0.090	4.063	4"
	3-33/64	3-36/64	CF300-6CS	0.090	3.625	4"	4-1/64	4-4/64	CF300-14CS	0.090	4.125	4"
	3-37/64	3-40/64	CF300-7CS	0.090	3.688	4"	4-5/64	4-8/64	CF300-15CS	0.090	4.188	4"
	3-41/64	3-44/64	CF300-8CS	0.090	3.750	4"	4-9/64	4-12/64	CF300-16CS	0.090	4.250	4"

4" Hose ID

Hose ID	Hose OD		300 PSI Hose & Below Use: Part #	Ferrule Wall Thickness	400 PSI Hose Use: Heavy Duty (HD) Part #	Ferrule Wall Thickness	Ferrule ID	Ferrule Overall Length
	From	To						
4"	4-13/64	4-16/64	CF400-1CS	0.090	---	---	4.313	4"
	4-17/64	4-20/64	CF400-2CS	0.090	---	---	4.375	4"
	4-21/64	4-24/64	CF400-3CS	0.090	---	---	4.438	4"
	4-25/64	4-28/64	CF400-4CS	0.090	---	---	4.500	4"
	4-29/64	4-32/64	CF400-5CS	0.090	---	---	4.563	4"
	4-33/64	4-36/24	CF400-6CS	0.090	CF400-6CSHD	0.120	4.625	4"
	4-37/64	4-40/64	CF400-7CS	0.090	CF400-7CSHD	0.120	4.688	4"
	4-41/64	4-44/64	CF400-8CS	0.090	CF400-8CSHD	0.120	4.750	4"
	4-45/64	4-48/64	CF400-9CS	0.090	CF400-9CSHD	0.120	4.813	4"
	4-49/64	4-52/64	CF400-10CS	0.090	CF400-10CSHD	0.120	4.875	4"
	4-53/64	4-56/64	CF400-11CS	0.090	CF400-11CSHD	0.120	4.938	4"
	4-57/64	4-60/64	CF400-12CS	0.090	CF400-12CSHD	0.120	5.000	4"
	4-61/64	5	CF400-13CS	0.090	CF400-13CSHD	0.120	5.063	4"
	5-1/64	5-4/64	CF400-14CS	0.090	CF400-14CSHD	0.120	5.125	4"
	5-5/64	5-8/64	CF400-15CS	0.090	CF400-15CSHD	0.120	5.188	4"
	5-9/64	5-12/64	CF400-16CS	0.090	CF400-16CSHD	0.120	5.250	4"

Safety

Dixon's couplings and retention devices are designed to work safely for their intended use. The selection of the proper hose, coupling and retention device, and the proper application of the coupling to the hose are of utmost importance.

Users must consider the size, temperature, application, media, pressure and hose and coupling manufacturer's recommendations when selecting the proper hose assembly components. Dixon recommends that all hose assemblies be tested in accordance with the Association for Rubber Products Manufacturer's (ARPM) recommendations and be inspected regularly (before each use) to ensure that they are not damaged or have become loose. Visit ARPMINC.com for more information.

Where safety devices are integral to the coupling, they must be working and utilized. The use of supplementary safety devices such as safety clips or safety cables are recommended.

If any problem is detected, couplings must be removed from service immediately.

Dixon is available to consult, train and recommend the proper selection and application of all fittings we sell. We strongly recommend that distributors and end users make use of Dixon's Testing and Recommendation Services. Call 877-963-4966 or click dixonvalve.com to learn more.

scan to visit our website



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