

Hose Type 4/2W



Applications

Hydraulics: Bolt Tensioning and Torque Tools; Controls for Service Equipment; Hydraulic Jacks; Instrumentation Packages for Gauges; Pressure Testing for Valves, Tooling and Control Panels; Hydraulic Tools

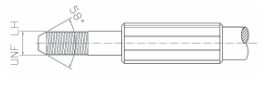
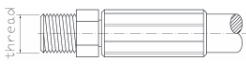
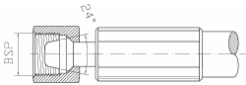
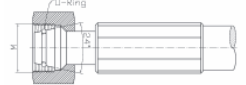
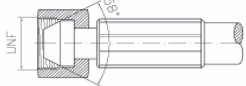
Oil and Gas: Gaseous Media Handling; Grease Injection; Hydraulic Control; Nitrogen Service; Sub Sea Well Control



Inner Core: **Polyamide (PA)**
 Pressure Support: **4 layers of high-tensile steel wire**
 Outer Cover: **Polyurethane (PUR)**
 Colour: **black, other colours upon request**
 Temperature: **-22°F to 140°F [-30°C to +60°C]**

Ø ID	Ø OD	Working Pressure*)	Burst Pressure 1)	Min. Bend Radius	Weight	Nipple Ø ID	Sleeve	Sleeve Ø OD
0.16 inch	0.39 inch	20,300 psi	50,750 psi	2.56 inch	0.108 lbs/ft	0.10 inch	10430101 carbon steel	0.51 inch
4.0 mm	9.8 mm	1,400 bar	3,500 bar	65 mm	0.160 kg/m	2.5 mm	10430105 AISI 316Ti	13.0 mm

Fittings: ID4, Series A

Description	Size	Material	Part Number	
HP fitting	1/4"x28 UNF LH	AISI 316Ti	40420205A	
male fitting	1/16"x27 NPTF	carbon steel	30420412A	
male fitting	1/8"x27 NPTF	carbon steel	30420542A	
male fitting	1/4"x18 NPTF	carbon steel	30420422A	
male fitting	G1/8"	carbon steel	30420302A	
male fitting flat seal nozzle type	G1/8"	carbon steel	30420382A	
male fitting	G1/4"	carbon steel	30420322A	
male fitting USIT®-Ring	G1/4"	carbon steel	30420351A	
male fitting special part 100° cone	G1/4"	carbon steel	30420362A	
male fitting	M7	carbon steel	30420042A	
male fitting flat seal nozzle type	M7	carbon steel	30420082A	
male fitting	M8	carbon steel	30420052A	
male fitting	M10x1	carbon steel	30420002A	
BSP female swivel	G1/4"	carbon steel carbon steel AISI 316Ti	20430302A swivel nut / 50540301 swivel nut / 50540305	
metric female swivel with O-Ring	M24x1.5	carbon steel	20420042A / 51360201	
Type M female swivel	9/16"x18 UNF	carbon steel carbon steel	20420642A swivel nut / 50540601	

----- Additional fittings are available upon request. -----

*) Production related variations up to 5 % are possible

*) The safety factors between the burst pressure and the working pressure as well as the test pressure depend on the operating conditions. For gaseous media the outer cover is to be pinpricked. Regarding the safety factor for gaseous media please contact your local SPIR STAR® assembling center. The indicated working pressure refers to the hose only. Depending on the used fitting the permitted working pressure of a hose assembly can be less. We reserve our rights for changes without notice.



Hose Type 6/2W



Applications

Hydraulics: Bolt Tensioning and Torque Tools; Hydraulic Jacks; Controls for Service Equipment; Instrumentation Packages for Gauges; Pressure Testing for Valves, Tooling and Control Panels

Oil and Gas: Gaseous Media Handling; Grease Injection; Hydraulic Control; Nitrogen Service; Sub Sea Well Control



Inner Core: Polyamide (PA)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyurethane (PUR)
Colour: black, other colours upon request
Temperature: -22°F to 140°F [-30°C to +60°C]

Ø ID	Ø OD	Working Pressure*)	Burst Pressure 1)	Min. Bend Radius	Weight	Nipple Ø ID	Sleeve	Sleeve Ø OD
0.24 inch	0.47 inch	18,560 psi	46,400 psi	3.74 inch	0.155 lbs/ft	0.16 inch	10630191W carbon steel	0.61 inch
6.0 mm	12.0 mm	1,280 bar	3,200 bar	95 mm	0.230 kg/m	4.0 mm	10630195W AISI 316Ti	15.4 mm

Fittings: ID6, Series A

Description	Size	Material	Part Number	
HP fitting	9/16"x18 UNF LH	AISI 316Ti	40620205A	
male fitting	1/8"x27 NPTF	carbon steel	30620411A	
male fitting	1/4"x18 NPTF	carbon steel	30620401A	
male fitting	1/4"x18 NPTF	AISI 316Ti	30620405A	
male fitting	3/8"x18 NPTF	carbon steel	30620451A	
male fitting	G1/8"	carbon steel	30620311A	
male fitting with 60° cone	G1/4"	carbon steel	30620341A	
male fitting for USIT®-Ring	G1/4"	carbon steel	30620391A	
male fitting DIN3852 T2 form A	G1/4"	carbon steel	30620301A	
male fitting flat seal nozzle type	G1/4"	carbon steel	30620381A	
male fitting special part 100° cone	G1/4"	carbon steel	30620361A	
male fitting with 60° cone	G3/8"	carbon steel	30620321A	
male fitting for USIT®-Ring	G3/8"	carbon steel	30620351A	
BSP female swivel	G1/4"	carbon steel	20620301A / 50540301	
BSP female swivel	G1/4"	AISI 316Ti	20620305A / 50540305	
metric female swivel with O-Ring	M18x1.5	carbon steel	20620241A / 50620201	
metric female swivel with O-Ring	M22x1.5	carbon steel carbon steel AISI 316Ti	20620211A swivel nut / 51060201 swivel nut / 51060205	
metric female swivel with O-Ring	M24x1.5	carbon steel	20620042A / 51360201	
Type M female swivel	9/16"x18 UNF	carbon steel	20620641A / 50540601	
Type M female swivel	9/16"x18 UNF	AISI 316Ti	20620645A / 50540605	
JIC female swivel	9/16"x18 UNF	AISI 316Ti	S20630615A / S5063615	
female fitting	1/4"x18 NPTF	carbon steel	30620441A	
metric female swivel	M14x1.5	carbon steel	20620101A / 50540101	
metric female swivel	M16x1.5	carbon steel	20620141A / 50620121	
metric female swivel	M16x1.5	AISI 316Ti	20620145A / 50620125	

----- Additional fittings are available upon request. -----

1) Production related variations up to 5 % are possible

*) The safety factors between the burst pressure and the working pressure as well as the test pressure depend on the operating conditions. For gaseous media the outer cover is to be pinpricked. Regarding the safety factor for gaseous media please contact your local SPIR STAR® assembling center. The indicated working pressure refers to the hose only. Depending on the used fitting the permitted working pressure of a hose assembly can be less. We reserve our rights for changes without notice.



Hose Type 8/2W



Applications

Hydraulics: Bolt Tensioning and Torque Tools; Hydraulic Jacks; Controls for Service Equipment; Instrumentation Packages for Gauges; Pressure Testing for Valves, Tooling and Control Panels; Hydraulic Tools

Oil and Gas: Gaseous Media Handling; Grease Injection; Hydraulic Control; Nitrogen Service; Sub Sea Well Control



Inner Core: Polyamide (PA)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyurethane (PUR)
Colour: black, other colours upon request
Temperature: -22°F to 140°F [-30°C to +60°C]

Ø ID	Ø OD	Working Pressure*)	Burst Pressure 1)	Min. Bend Radius	Weight	Nipple Ø ID	Sleeve	Sleeve Ø OD
0.31 inch	0.56 inch	15,080 psi	37,700 psi	4.33 inch	0.211 lbs/ft	0.22 inch	10830191W carbon steel	0.72 inch
8.0 mm	14.3 mm	1,040 bar	2,600 bar	110 mm	0.314 kg/m	5.5 mm	10830195W AISI 316Ti	18.3 mm

Fittings: ID8, Series A

Description	Size	Material	Part Number	
male fitting	1/4"x18 NPTF	carbon steel	30820411A	
male fitting	3/8"x18 NPTF	carbon steel	30820401A	
male fitting DIN3852 T2 form A	G1/4"	carbon steel	30820351A	
male fitting with 60° cone	G1/4"	carbon steel	30820321A	
male fitting flat seal nozzle type	G1/4"	carbon steel	30820381A	
male fitting DIN3852 T2 form A	G3/8"	carbon steel	30820341A	
male fitting with 60° cone	G3/8"	carbon steel	30820301A	
BSP female swivel	G3/8"	carbon steel	20820301A / 50860301	
metric female swivel with O-Ring	M20x1.5	carbon steel	20820201A / 50860201	
metric female swivel with O-Ring	M24x1.5	carbon steel	20820042A / 50820241	
Type M female swivel	3/4"x16 UNF	AISI 316Ti AISI 316Ti carbon steel	20820645A swivel nut / 50840605 swivel nut / 50840601	
JIC female swivel	9/16"x18 UNF	carbon steel	20820601A / 50820601	
JIC female swivel	9/16"x18 UNF	AISI 316 Ti AISI 316 Ti	20820605A swivel nut / 50820605	

----- Additional fittings are available upon request. -----

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Hose Type 10/2W



Applications

Hydraulics: Bolt Tensioning and Torque Tools; Hydraulic Jacks; Controls for Service Equipment; Instrumentation Packages for Gauges; Pressure Testing for Valves, Tooling and Control Panels; Hydraulic Tools

Oil and Gas: Gaseous Media Handling; Grease Injection; Hydraulic Control; Nitrogen Service; Sub Sea Well Control

Inner Core: Polyamide (PA)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyurethane (PUR)
Colour: black, other colours upon request
Temperature: -22°F to 140°F [-30°C to +60°C]



Ø ID	Ø OD	Working Pressure*)	Burst Pressure 1)	Min. Bend Radius	Weight	Nipple Ø ID	Sleeve	Sleeve Ø OD
0.39 inch	0.68 inch	15,950 psi	40,020 psi	4.92 inch	0.289 lbs/ft	0.26 inch	11030191W carbon steel	0.85 inch
10.0 mm	17.2 mm	1,100 bar	2,760 bar	125 mm	0.430 kg/m	6.5 mm	11030195W AISI 316Ti	21.5 mm

Fittings: ID10, Series A

Description	Size	Material	Part Number	
male fitting	3/8"x18 NPTF	carbon steel	31020401A	
male fitting	3/8"x18 NPTF	AISI 316 Ti	31020405A	
male fitting	1/2"x14 NPT	AISI 316 Ti	31020425A	
male fitting with 60° cone	G3/8"	carbon steel	31020311A	
male fitting DIN3852 T2 form A	G3/8"	carbon steel	31020341A	
BSP female swivel	G1/2"	carbon steel	21020301A / 51060311	
BSP female swivel	G1/2"	AISI 316 Ti	21020305A / 51060315	
metric female swivel with O-Ring	M22x1.5	carbon steel carbon steel AISI 316 Ti	21020221A swivel nut / 51060201 swivel nut / 51060205	
Type M female swivel	3/4"x16 UNF	AISI 316 Ti AISI 316 Ti	21020645A swivel nut / 51320615	

----- Additional fittings are available upon request. -----

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Hose Type 13/2W



Applications

Hydraulics: Bolt Tensioning and Torque Tools; Hydraulic Jacks; Controls for Service Equipment; Instrumentation Packages for Gauges; Pressure Testing for Valves, Tooling and Control Panels
Oil and Gas: Gaseous Media Handling; Grease Injection; Hydraulic Control; Nitrogen Service; Sub Sea Well Control



Inner Core: Polyamide (PA)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyurethane (PUR)
Colour: black, other colours upon request
Temperature: -22°F to 140°F [-30°C to +60°C]

∅ ID	∅ OD	Working Pressure*)	Burst Pressure 1)	Min. Bend Radius	Weight	Nipple ∅ ID	Sleeve	Sleeve ∅ OD
0.50 inch	0.82 inch	15,080 psi	37,700 psi	5.91 inch	0.396 lbs/ft	0.33 inch	11330191W carbon steel	1.05 inch
12.8 mm	20.8 mm	1,040 bar	2,600 bar	150 mm	0.590 kg/m	8.5 mm	11330195W AISI 316Ti	26.70 mm

Fittings: ID13, Series A

Description	Size	Material	Part Number	
male fitting	1/2"x14 NPTF	carbon steel AISI 316Ti	31320401A 31320405A	
BSP female swivel	G1/2"	carbon steel	21320311A swivel nut / 51060311	
BSP female swivel	G1/2"	AISI 316Ti AISI 316Ti	21320315A swivel nut / 51060315	
metric female swivel with O-Ring	M22x1.5	carbon steel	21320101A swivel nut / 51360221	
metric female swivel with O-Ring	M24x1.5	carbon steel	21320241A swivel nut / 51360201	
metric female swivel with O-Ring	M24x1.5	AISI 316Ti AISI 316Ti	21320245A swivel nut / 51360205	
Type M female swivel	1"x12 UNF	carbon steel	21320641A swivel nut / 51360641	
Type M female swivel	1"x12 UNF	AISI 316Ti AISI 316Ti AISI 303	21320645A swivel nut / 51360645 swivel nut / 51360643	

----- Additional fittings are available upon request. -----

*)Production related variations up to 5 % are possible

*) The safety factors between the burst pressure and the working pressure as well as the test pressure depend on the operating conditions. For gaseous media the outer cover is to be pinpricked. Regarding the safety factor for gaseous media please contact your local SPIR STAR® assembling center. The indicated working pressure refers to the hose only. Depending on the used fitting the permitted working pressure of a hose assembly can be less. We reserve our rights for changes without notice.



Hose Type 20/2W



Applications

Hydraulics: Controls for Service Equipment; Hydraulic Jacks; Pressure Testing for Valves, Tooling and Control Panels


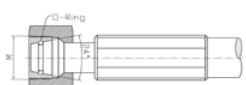
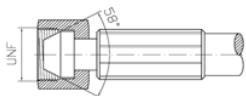
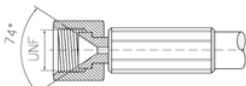
Oil and Gas: Gaseous Media Handling; Grease Injection; Hydraulic Control; Nitrogen Service; Sub Sea Well Control

Inner Core: **Polyamide (PA)**
 Pressure Support: **4 layers of high-tensile steel wire**
 Outer Cover: **Polyurethane (PUR)**
 Colour: **black, other colours upon request**
 Temperature: **-22°F to 140°F [-30°C to +60°C]**



Ø ID	Ø OD	Working Pressure*)	Burst Pressure 1)	Min. Bend Radius	Weight	Nipple Ø ID	Sleeve	Sleeve Ø OD
0.74 inch	1.16 inch	11,020 psi	27,550 psi	8.66 inch	0.779 lbs/ft	0.51 inch	12020191W carbon steel	1.43 inch
18.8 mm	29.5 mm	760 bar	1,900 bar	220 mm	1.160 kg/m	13.0 mm		36.3 mm

Fittings: ID 20, Series A

Description	Size	Material	Part Number	
male fitting	1"x 11 1/2 NPT	carbon steel	32020421A	
male fitting	1"x 11 1/2 NPT	AISI 316Ti	32020425A	
metric female swivel with O-Ring	M36x2	carbon steel	22020201A / 52040211	
Type M female swivel	1 5/16"x12 UN	AISI 316Ti AISI 316Ti	22020645A swivel nut / 52040645	
JIC female swivel	1 5/16"x12 UN	AISI 316Ti AISI 316Ti	22020605A swivel nut / 52040605	

----- Additional fittings are available upon request. -----

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*) The safety factors between the burst pressure and the working pressure as well as the test pressure depend on the operating conditions. For gaseous media the outer cover is to be pinpricked. Regarding the safety factor for gaseous media please contact your local SPIR STAR® assembling center. The indicated working pressure refers to the hose only. Depending on the used fitting the permitted working pressure of a hose assembly can be less. We reserve our rights for changes without notice.



Hose Type 25/2W



Applications

Hydraulics: Controls for Service Equipment; Hydraulic Jacks; Pressure Testing for Valves, Tooling and Control Panels


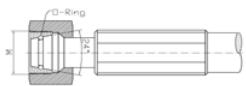
Oil and Gas: Gaseous Media Handling; Grease Injection; Hydraulic Control; Nitrogen Service

Inner Core: **Polyamide (PA)**
 Pressure Support: **4 layers of high-tensile steel wire**
 Outer Cover: **Polyurethane (PUR)**
 Colour: **black, other colours upon request**
 Temperature: **-22°F to 140°F [-30°C to +60°C]**



Ø ID	Ø OD	Working Pressure*)	Burst Pressure 1)	Min. Bend Radius	Weight	Nipple Ø ID	Sleeve	Sleeve Ø OD
0.98 inch	1.40 inch	9,280 psi	23,200 psi	11.02 inch	1.001 lbs/ft	0.65 inch	12530111W carbon steel	1.73 inch
25.0 mm	35.6 mm	640 bar	1,600 bar	280 mm	1.490 kg/m	16.5 mm		44.0 mm

Fittings: ID 25, Series T

Description	Size	Material	Part Number	
male fitting	1"x11 ½ NPTF	carbon steel	32530411T	
male fitting	1"x11 ½ NPTF	AISI 316Ti	32530415T	
metric female swivel with O-Ring	M42x2	carbon steel	22530201T / 52520201	

----- Additional fittings are available upon request. -----

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Hose Type 6/2WL



Applications

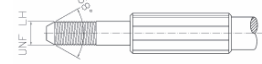
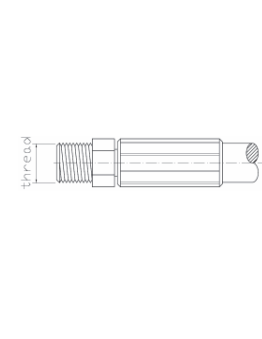
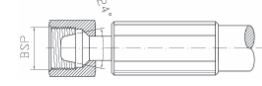
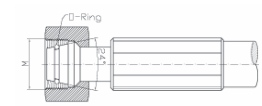
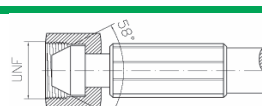
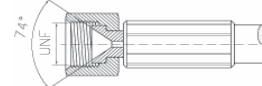
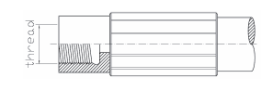
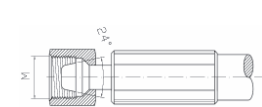
Hydraulics: Bolt Tensioning and Torque Tools; Hydraulic Jacks; Controls for Service Equipment; Instrumentation Packages for Gauges; Pressure Testing for Valves, Tooling and Control Panels

Inner Core: Polyamide (PA)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyurethane (PUR)
Colour: black, other colours upon request
Temperature: -22°F to 140°F [-30°C to +60°C]



Ø ID	Ø OD	Working Pressure*)	Burst Pressure 1)	Min. Bend Radius	Weight	Nipple Ø ID	Sleeve	Sleeve Ø OD
0.23 inch	0.47 inch	17,400 psi	43,500 psi	3.15 inch	0.159 lbs/ft	0.16 inch	10630191W carbon steel	0.61 inch
5.9 mm	12.0 mm	1,200 bar	3,000 bar	80 mm	0.237 kg/m	4.0 mm	10630195W AISI 316Ti	15.5 mm

Fittings: ID6, Series A

Description	Size	Material	Part Number	
HP fitting	9/16"x18 UNF LH	AISI 316Ti	40620205A	
male fitting	1/8"x27 NPTF	carbon steel	30620411A	
male fitting	1/4"x18 NPTF	carbon steel	30620401A	
male fitting	1/4"x18 NPTF	AISI 316Ti	30620405A	
male fitting	3/8"x18 NPTF	carbon steel	30620451A	
male fitting	G1/8"	carbon steel	30620311A	
male fitting with 60° cone	G1/4"	carbon steel	30620341A	
male fitting for USIT®-Ring	G1/4"	carbon steel	30620391A	
male fitting DIN3852 T2 form A	G1/4"	carbon steel	30620301A	
male fitting flat seal nozzle type	G1/4"	carbon steel	30620381A	
male fitting special part 100° cone	G1/4"	carbon steel	30620361A	
male fitting with 60° cone	G3/8"	carbon steel	30620321A	
male fitting for USIT®-Ring	G3/8"	carbon steel	30620351A	
BSP female swivel	G1/4"	carbon steel	20620301A / 50540301	
BSP female swivel	G1/4"	AISI 316Ti	20620305A / 50540305	
metric female swivel with O-Ring	M18x1.5	carbon steel	20620241A / 50620201	
metric female swivel with O-Ring	M22x1.5	carbon steel carbon steel AISI 316Ti	20620211A swivel nut / 51060201 swivel nut / 51060205	
metric female swivel with O-Ring	M24x1.5	carbon steel	20620042A / 51360201	
Type M female swivel	9/16"x18 UNF	carbon steel	20620641A / 50540601	
Type M female swivel	9/16"x18 UNF	AISI 316Ti	20620645A / 50540605	
JIC female swivel	9/16"x18 UNF	AISI 316Ti	S20630615A / S5063615	
female fitting	1/4"x18 NPTF	carbon steel	30620441A	
metric female swivel	M14x1.5	carbon steel	20620101A / 50540101	
metric female swivel	M16x1.5	carbon steel	20620141A / 50620121	
metric female swivel	M16x1.5	AISI 316Ti	20620145A / 50620125	

----- Additional fittings are available upon request. -----

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*) The safety factors between the burst pressure and the working pressure as well as the test pressure depend on the operating conditions. For gaseous media the outer cover is to be pinpricked. Regarding the safety factor for gaseous media please contact your local SPIR STAR® assembling center. The indicated working pressure refers to the hose only. Depending on the used fitting the permitted working pressure of a hose assembly can be less. We reserve our rights for changes without notice.



Hose Type 8/2WL



Applications

Hydraulics: Bolt Tensioning and Torque Tools; Hydraulic Jacks; Controls for Service Equipment; Instrumentation Packages for Gauges; Pressure Testing for Valves, Tooling and Control Panels; Hydraulic Tools



Inner Core: **Polyamide (PA)**
 Pressure Support: **4 layers of high-tensile steel wire**
 Outer Cover: **Polyurethane (PUR)**
 Colour: **black, other colours upon request**
 Temperature: **-22°F to 140°F [-30°C to +60°C]**

Ø ID	Ø OD	Working Pressure*)	Burst Pressure 1)	Min. Bend Radius	Weight	Nipple Ø ID	Sleeve	Sleeve Ø OD
0.31 inch	0.55 inch	14,500 psi	36,250 psi	3.94 inch	0.213 lbs/ft	0.22 inch	10830191W carbon steel	0.72 inch
8.0 mm	14.0 mm	1,000 bar	2,500 bar	100 mm	0.317 kg/m	5.5 mm	10830195W AISI 316Ti	18.3 mm

Fittings: ID8, Series A

Description	Size	Material	Part Number	
male fitting	1/4"x18 NPTF	carbon steel	30820411A	
male fitting	3/8"x18 NPTF	carbon steel	30820401A	
male fitting DIN3852 T2 form A	G1/4"	carbon steel	30820351A	
male fitting with 60° cone	G1/4"	carbon steel	30820321A	
male fitting flat seal nozzle type	G1/4"	carbon steel	30820381A	
male fitting DIN3852 T2 form A	G3/8"	carbon steel	30820341A	
male fitting with 60° cone	G3/8"	carbon steel	30820301A	
BSP female swivel	G3/8"	carbon steel	20820301A / 50860301	
metric female swivel with O-Ring	M20x1.5	carbon steel	20820201A / 50860201	
metric female swivel with O-Ring	M24x1.5	carbon steel	20820042A / 50820241	
Type M female swivel	3/4"x16 UNF	AISI 316Ti AISI 316Ti carbon steel	20820645A swivel nut / 50840605 swivel nut / 50840601	
JIC female swivel	9/16"x18 UNF	carbon steel	20820601A / 50820601	
JIC female swivel	9/16"x18 UNF	AISI 316 Ti AISI 316 Ti	20820605A swivel nut / 50820605	

----- Additional fittings are available upon request. -----

*)Production related variations up to 5 % are possible

*) The safety factors between the burst pressure and the working pressure as well as the test pressure depend on the operating conditions. For gaseous media the outer cover is to be pinpricked. Regarding the safety factor for gaseous media please contact your local SPIR STAR® assembling center. The indicated working pressure refers to the hose only. Depending on the used fitting the permitted working pressure of a hose assembly can be less. We reserve our rights for changes without notice.

