

Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 5113**

Certificate Holder:



SPIR STAR AG
Auf der Rut 3-7
64668 Rimbach
Germany

Scope:

Development and production of high-pressure hoses and fittings. Sales of products and services in the high-pressure sector

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity:

The certificate is valid from 2021-05-01 until 2024-04-30.
First certification 1995

2021-03-29

A handwritten signature in blue ink, appearing to read 'K. H. ...', positioned above a horizontal line.

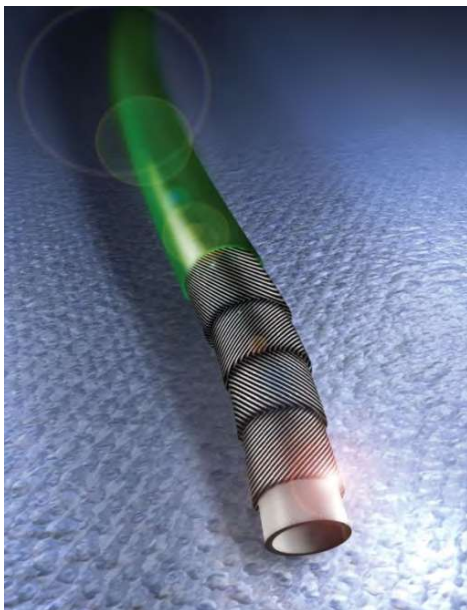
TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

Number of spiralized layers

Type **6/2WHT**

Series Description

Hose ID in mm



Hose Series	
DCI	Double Cover
H	Reinforced version
HT	For very high temperatures Very high chemical resistant PVDF inner core, PVDF outer cover
HW	Hot Water: for very high temperatures
K	Braided layer
L	Extremely flexible
M	For methanol service PA II inner core, PA outer cover
OK	Braided layer outer cover
PPA	For high temperatures Very high chemical resistant PVDF inner core, PA outer cover
R	Reinforced outer cover
W	2 wide layers of spiralized wire
KF	One braided layer

Hose Types



Type	Hose				Pressure Rating				Bend Radius		Weight		Insert ID		Sleeve OD		Application
	ID		OD		Working		Burst		[mm]	[in]	[kg/m]	[lbs/ft]	[mm]	[in]	[mm]	[in]	
	[mm]	[in]	[mm]	[in]	[bar]	[psi]	[bar]	[psi]									
HT-Series																	
<i>Heat-resisting up to 150° C (300° F) - with PVDF inner core and outer cover</i>																	
5/4HT	5,0	0,20	11,2	0,44	1.035	15.000	4.140	60.000	250	9,84	0,280	0,188	2,5	0,10	15,4	0,60	Oil & Gas
6/2WHT	6,3	0,25	12,2	0,48	690	10.000	2.760	40.000	150	5,91	0,266	0,178	3,5	0,14	17,1	0,67	Oil & Gas
6/4HT	6,3	0,25	12,6	0,5	1.035	15.000	4.140	60.000	280	11,02	0,320	0,214	3,5	0,14	17,5	0,68	Oil & Gas
8/2WHT	8,0	0,31	14,5	0,57	690	10.000	2.760	40.000	250	9,84	0,400	0,268	4,0	0,16	20,7	0,81	Oil & Gas
8/4HT	8,0	0,31	14,6	0,57	1.035	15.000	4.140	60.000	300	11,81	0,413	0,277	4,5	0,18	20,2	0,79	Oil & Gas
10/4HT	9,9	0,39	18,4	0,72	1.035	15.000	4.140	60.000	300	11,81	0,695	0,466	5,0	0,20	24,9	0,98	Oil & Gas
13/4HHT	12,8	0,50	22,0	0,87	860	12.500	3.450	50.000	300	11,81	1,000	0,672	7,5	0,30	29,5	1,16	Oil & Gas

Hose Type 5/4HT®

54HT458

SPIR STAR®

High temperature

ID5 - Series: H

Applications

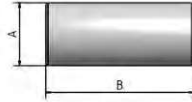
Oil and Gas: Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling

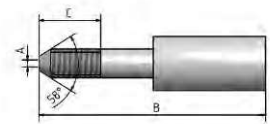
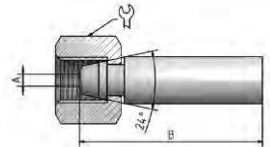
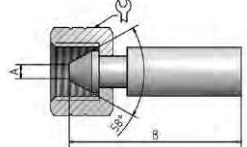



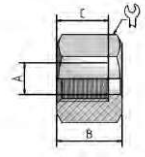
Technical Information


Inner Core: Polyvinylidenfluoride (PVDF)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyvinylidenfluoride (PVDF)
Color: Light grey
Temperature: -20°C to +150°C [-4°F to 300°F]

Ø ID	Ø OD	Working Pressure (SF 3.2:1)	Working Pressure (SF 4.0:1)	Burst Pressure	Bend Radius	Weight	Insert ID
5,0 mm	11,2 mm	1.285 bar	1.035 bar	4.140 bar	250 mm	0,280 kg/m	2,5 mm
0,20 inch	0,44 inch	18.630 psi	15.000 psi	60.000 psi	9,84 inch	0,188 lbs/ft	0,10 inch

Part no.	Thread	Material	Dimensions (mm)				⚙	Sleeve
			A	B	C			
Sleeve								
I0540145	-	AISI 316	15,4	56	-	-		

Part no.	Thread	Material	Nut	Dimensions (mm)				⚙	Insert
				A	B	C			
HP fitting									
40540205H	1/4"x28UNF LH	AISI 316	-	2,5	86	14	-		
Universal female swivel 24°/60°									
20540315H	G1/4"	AISI 316	50540305	2,5	71	-	19		
Type M female swivel									
20540665H	9/16"x18UNF	AISI 316	50540605	2,5	68	-	19		

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
Swivel nut								
50540605	9/16"x18UNF	AISI 316	I radial	9,2	18	14	19	
50540305	G1/4"	AISI 316	I radial	9,2	16,5	8,5	19	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9056400	600,00	740,00	10,20	10-15	

Important Information!

In case of accidental leakage when transferring hot medium through SPIR STAR hoses the potential for injury exists from escaping fluids at high temperature (up to 150 C or 300F) while under pressure. When used for this purpose SPIR STAR HT series hoses should only be used when there is appropriate protecting devices in place to rule out the possibility of injury. The protecting devices may be removed only (e.g. for repairs) after the hose assembly has been depressurized and cooled to ambient temperature.

Production related variations of the burst pressure of up to 5 % are possible. Other colors upon request.

Maximum test pressure (1560 bar / 22620 psi).

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 may be less.

We reserve our rights for technical changes without notice. Subject to printing errors.

Hose Type 6/2WHT®

62WHT458

SPIR STAR®

High Temperature

ID6 - Series: HB

Applications

Oil and Gas: Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling

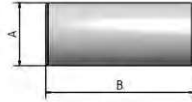
Technical Information

Inner Core: Polyvinylidenfluoride (PVDF)
Pressure Support: 2 open layers, 2 dense layers of high-tensile steel wire
Outer Cover: Polyvinylidenfluoride (PVDF)
Color: Light grey
Temperature: -20°C to +150°C [-4°F to 300°F]

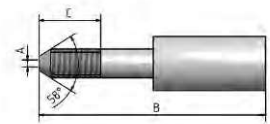
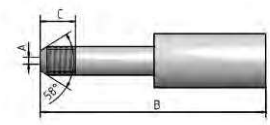
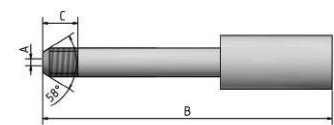


Ø ID	Ø OD	Working Pressure		Burst Pressure	Bend Radius	Weight	Insert ID
		(SF 3.0:1)	(SF 4.0:1)				
6,3 mm	12,2 mm	915 bar	690 bar	2.760 bar	150 mm	0,266 kg/m	3,5 mm
0,25 inch	0,48 inch	13.260 psi	10.000 psi	40.000 psi	5,91 inch	0,178 lbs/ft	0,14 inch

Part no.	Thread	Material	Dimensions (mm)				⚠	Sleeve
			A	B	C			
Sleeve								
I0640115	-	AISI 316	17,3	64,4	-	-		



Part no.	Thread	Material	Nut	Dimensions (mm)				⚠	Insert
				A	B	C			
HP fitting									
40640205HB	3/8"x24UNF LH	AISI 316	-	3,5	98	20	-		
MP fitting									
40640305HB	3/8"x24UNF LH	AISI 316	-	3,5	100	11	-		
Anti vibration MP fitting									
40640315HB	3/8"x24UNF LH	AISI 316	-	3,5	112	11,1	-		

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
Universal female swivel 24°/60° heavy								
20640315HB	M16x1,5	AISI 316	50620125	3,5	77	-	19	
Type M female swivel								
20640645HB	9/16"x18UNF	AISI 316	S5063615	3,5	73	-	19	
JIC female swivel								
20640655HB	9/16"x18UNF	AISI 316	S5063615	3,5	69	-	19	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⌀	
Swivel nut								
S5063615	9/16"x18UNF	AISI 316	I radial	9,5	18	14	19	
50620125	M16x1,5	AISI 316	I radial	9,5	17,5	10	19	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
Hose securing grip short version					
9056400	600,00	740,00	10,20	10-15	

Important Information!

In case of accidental leakage when transferring hot medium through SPIR STAR hoses the potential for injury exists from escaping fluids at high temperature (up to 150 C or 300F) while under pressure. When used for this purpose SPIR STAR HT series hoses should only be used when there is appropriate protecting devices in place to rule out the possibility of injury. The protecting devices may be removed only (e.g. for repairs) after the hose assembly has been depressurized and cooled to ambient temperature.

Production related variations of the burst pressure of up to 5 % are possible. Other colors upon request.

Maximum test pressure (1380 bar / 20000 psi).

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 may be less.

We reserve our rights for technical changes without notice. Subject to printing errors.

Hose Type 6/4HT®

64HT458

SPIR STAR®

High Temperature

ID6 - Series: HB

Applications

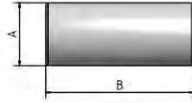
Oil and Gas: Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling

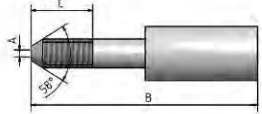
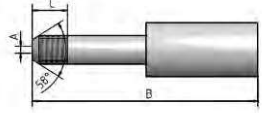
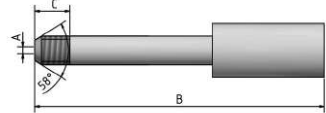
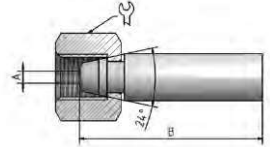
Technical Information

Inner Core: Polyvinylidenfluoride (PVDF)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyvinylidenfluoride (PVDF)
Color: Light grey
Temperature: -20°C to +150°C [-4°F to 300°F]



Ø ID	Ø OD	Working Pressure (SF 3.8:1)	Burst Pressure (SF 4.0:1)	Bend Radius	Weight	Insert ID
6,3 mm	12,6 mm	1.085 bar	1.035 bar	280 mm	0,320 kg/m	3,5 mm
0,25 inch	0,50 inch	15.730 psi	15.000 psi	11,02 inch	0,214 lbs/ft	0,14 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
I0640115	-	AISI 316	17,3	64,4	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
HP fitting								
40640205HB	3/8"x24UNF LH	AISI 316	-	3,5	98	20	-	
MP fitting								
40640305HB	3/8"x24UNF LH	AISI 316	-	3,5	100	11	-	
Anti vibration MP fitting								
40640315HB	3/8"x24UNF LH	AISI 316	-	3,5	112	11,1	-	
Universal female swivel 24°/60° heavy								
20640315HB	M16x1,5	AISI 316	50620125	3,5	77	-	19	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⌀	
Type M female swivel								
20640645HB	9/16"x18UNF	AISI 316	S5063615	3,5	73	-	19	
JIC female swivel								
20640655HB	9/16"x18UNF	AISI 316	S5063615	3,5	69	-	19	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C	⌀	
Swivel nut								
S5063615	9/16"x18UNF	AISI 316	1 radial	9,5	18	14	19	
50620125	M16x1,5	AISI 316	1 radial	9,5	17,5	10	19	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
Hose securing grip short version					
9056400	600,00	740,00	10,20	10-15	

Important Information!

In case of accidental leakage when transferring hot medium through SPIR STAR hoses the potential for injury exists from escaping fluids at high temperature (up to 150 C or 300F) while under pressure. When used for this purpose SPIR STAR HT series hoses should only be used when there is appropriate protecting devices in place to rule out the possibility of injury. The protecting devices may be removed only (e.g. for repairs) after the hose assembly has been depressurized and cooled to ambient temperature.

Production related variations of the burst pressure of up to 5 % are possible. Other colors upon request.

Maximum test pressure (1630 bar / 23630 psi).

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 may be less.

We reserve our rights for technical changes without notice. Subject to printing errors.

Hose Type 8/2WHT®

82WHT458

SPIR STAR®

High Temperature

ID8 - Series: H

Applications

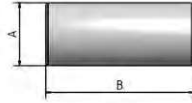
Oil and Gas: Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling

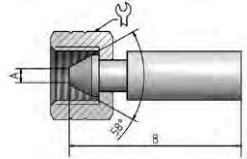
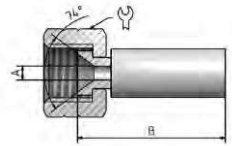
Technical Information


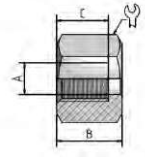
Inner Core: Polyvinylidenfluoride (PVDF)
Pressure Support: 2 open layers, 2 dense layers of high-tensile steel wire
Outer Cover: Polyvinylidenfluoride (PVDF)
Color: Grey
Temperature: -20°C to +150°C [-4°F to 300°F]




Ø ID	Ø OD	Working Pressure (SF 3.7:1)	Working Pressure (SF 4.0:1)	Burst Pressure	Bend Radius	Weight	Insert ID
8,0 mm	14,5 mm	745 bar	690 bar	2.760 bar	250 mm	0,400 kg/m	4,0 mm
0,31 inch	0,57 inch	10.800 psi	10.000 psi	40.000 psi	9,84 inch	0,268 lbs/ft	0,16 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
I0830145	-	AISI 316	20,7	56,5	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
Type M female swivel								
20820665H	3/4"x16UNF	AISI 316	50840605	4	76	-	24	
JIC female swivel								
20820615H	9/16"x18UNF	AISI 316	50820605	4	66	-	19	
20820605H	3/4"x16UNF	AISI 316	50840605	4	72	-	24	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
Swivel nut								
50820605	9/16"x18UNF	AISI 316	1 radial	10,6	18	14	19	
50840605	3/4"x16UNF	AISI 316	1 radial	12,2	22,5	17,5	24	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9056400	600,00	740,00	10,20	10-15	

Important Information!

In case of accidental leakage when transferring hot medium through SPIR STAR hoses the potential for injury exists from escaping fluids at high temperature (up to 150 C or 300F) while under pressure. When used for this purpose SPIR STAR HT series hoses should only be used when there is appropriate protecting devices in place to rule out the possibility of injury. The protecting devices may be removed only (e.g. for repairs) after the hose assembly has been depressurized and cooled to ambient temperature.

Production related variations of the burst pressure of up to 5 % are possible. Other colors upon request.

Maximum test pressure (1120 bar / 16240 psi).

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 may be less.

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Hose Type 8/4HT®

84HT458

SPIR STAR®

High Temperature

ID8 - Series: HB

Applications

Oil and Gas: Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling

Technical Information


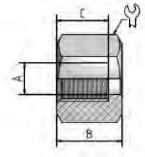
Inner Core: Polyvinylidenfluoride (PVDF)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyvinylidenfluoride (PVDF)
Color: Grey
Temperature: -20°C to +150°C [-4°F to 300°F]




Ø ID	Ø OD	Working Pressure (SF 3,8:1)	Working Pressure (SF 4,0:1)	Burst Pressure	Bend Radius	Weight	Insert ID
8,0 mm	14,6 mm	1.085 bar	1.035 bar	4.140 bar	300 mm	0,413 kg/m	4,5 mm
0,31 inch	0,57 inch	15.730 psi	15.000 psi	60.000 psi	11,81 inch	0,277 lbs/ft	0,18 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
10840152	-	Steel	20,2	65	-	-	
10840155	-	AISI 316	20,2	65	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
Universal female swivel 24°/60°								
20840311HB	G3/8"	Steel	50860301, 50840305	4,5	77	-	24	
Type M female swivel								
20840645HB	3/4"x16UNF	AISI 316	50840605, 50840601	4,5	78	-	24	
JIC female swivel								
20840605HB	3/4"x16UNF	AISI 316	50840605, 50840601	4,5	73	-	24	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
Swivel nut								
50840601	3/4"x16UNF	Steel	1 radial	12,2	22,5	17,5	24	
50840605	3/4"x16UNF	AISI 316	1 radial	12,2	22,5	17,5	24	
50860301	G3/8"	Steel	1 radial	12,5	18,5	15,5	24	
50840305	G3/8"	AISI 316	1 radial	12,2	18,5	13,5	24	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9056400	600,00	740,00	10,20	10-15	

Important Information!

In case of accidental leakage when transferring hot medium through SPIR STAR hoses the potential for injury exists from escaping fluids at high temperature (up to 150 C or 300F) while under pressure. When used for this purpose SPIR STAR HT series hoses should only be used when there is appropriate protecting devices in place to rule out the possibility of injury. The protecting devices may be removed only (e.g. for repairs) after the hose assembly has been depressurized and cooled to ambient temperature.

Production related variations of the burst pressure of up to 5 % are possible. Other colors upon request.

Maximum test pressure (1630 bar / 23630 psi).

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 may be less.

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Hose Type I0/4HT®

I04HT458

SPIR STAR®

High temperature

IDI0 - Series: H

Applications

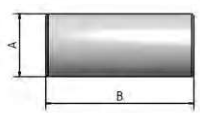
Oil and Gas: Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling

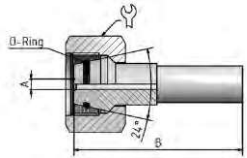
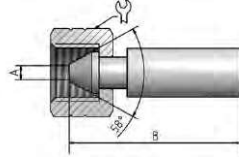
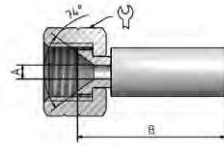
Technical Information


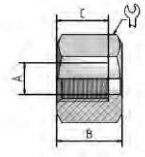
Inner Core: Polyvinylidenfluoride (PVDF)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyvinylidenfluoride (PVDF)
Color: Grey
Temperature: -20°C to +150°C [-4°F to 300°F]




Ø ID	Ø OD	Working Pressure (SF 3.8:1)	Working Pressure (SF 4.0:1)	Burst Pressure	Bend Radius	Weight	Insert ID
9,9 mm	18,4 mm	1.085 bar	1.035 bar	4.140 bar	300 mm	0,695 kg/m	5,0 mm
0,39 inch	0,72 inch	15.730 psi	15.000 psi	60.000 psi	11,81 inch	0,466 lbs/ft	0,20 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
I1040145	-	AISI 316	24,9	64	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
Female swivel with O-Ring								
21040115H	M22x1,5	AISI 316	51060205, 51060201	5	92	-	30	
Type M female swivel								
21040645H	3/4"x16UNF	AISI 316	51320615	5	84	-	24	
JIC female swivel								
21040605H	3/4"x16UNF	AISI 316	51320615	5	79	-	24	
21040615H	9/16"x18UNF	AISI 316	51040615	5	77	-	19	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
Swivel nut								
51320615	3/4"x16UNF	AISI 316	1 radial	14,2	22,5	17,5	24	
51040615	9/16"x18UNF	AISI 316	1 radial	11,2	18	14	19	
51060201	M22x1,5	Steel	2 axial	14,2	23	14	30	
51060205	M22x1,5	AISI 316	2 axial	14,2	25	14	30	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9086400	600,00	780,00	20,40	15-20	

Important Information!

In case of accidental leakage when transferring hot medium through SPIR STAR hoses the potential for injury exists from escaping fluids at high temperature (up to 150 C or 300F) while under pressure. When used for this purpose SPIR STAR HT series hoses should only be used when there is appropriate protecting devices in place to rule out the possibility of injury. The protecting devices may be removed only (e.g. for repairs) after the hose assembly has been depressurized and cooled to ambient temperature.

Production related variations of the burst pressure of up to 5 % are possible. Other colors upon request.

Maximum test pressure (1630 bar / 23630 psi).

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 may be less.

We reserve our rights for technical changes without notice. Subject to printing errors.

Hose Type I3/4HHT®

I34HHT458

SPIR STAR®

High Temperature

IDI3 - Series: C

Applications

Oil and Gas: Methanol service (oil rigs, distribution panels, umbilicals), jumper/ subsea well control, chemical injection, control of subsea hydraulic components, nitrogen service, Gaseous media handling

Technical Information

Inner Core: Polyvinylidenfluoride (PVDF)
Pressure Support: 4 layers of high-tensile steel wire
Outer Cover: Polyvinylidenfluoride (PVDF)
Color: Grey
Temperature: -20°C to +150°C [-4°F to 300°F]


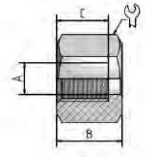



Ø ID	Ø OD	Working Pressure (SF 3.3:1)	Working Pressure (SF 4.0:1)	Burst Pressure	Bend Radius	Weight	Insert ID
12,8 mm	22,0 mm	1.035 bar	860 bar	3.450 bar	300 mm	1,000 kg/m	7,5 mm
0,50 inch	0,87 inch	15.000 psi	12.500 psi	50.000 psi	11,81 inch	0,672 lbs/ft	0,30 inch

Part no.	Thread	Material	Dimensions (mm)				⚙	Sleeve
			A	B	C			
Sleeve								
I1340232	-	Steel	29,2	65	-	-		
I1340105	-	AISI 316	29,2	63				

Part no.	Thread	Material	Nut	Dimensions (mm)				⚙	Insert
				A	B	C			
HP fitting									
41360214C	9/16"x18UNF LH	Stainless steel	-	7,5	118	24	-		
MP fitting									
41360204C	3/4"x16UNF LH	Stainless steel	-	7,5	121	25	-		

Female swivel with O-Ring									
21360244C	M24x1,5	Stainless steel	51320205, 51321206	7,5	89	-	32		
Type M female swivel									
21360644C	1"x12UNF	Stainless steel	51360645, 51360641, 51360643	7,5	84	-	32		

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
Swivel nut								
51360641	1"x12UNF	Steel	1 radial	16,8	28	22	32	
51360645	1"x12UNF	AISI 316	1 radial	16,8	28	22	32	
51321206	M24x1,5	Steel	2 axial	16,8	23	16	32	
51320205	M24x1,5	AISI 316	1 radial	16,8	23	16	32	

Part no.	Mesh length (mm)	Overall length (mm)	Breaking strength (kN)	Suitable for SPIR STAR® hose outer diameter (mm)	Hose securing grip
9106400	600,00	800,00	20,40	20-25	

Important Information!

In case of accidental leakage when transferring hot medium through SPIR STAR hoses the potential for injury exists from escaping fluids at high temperature (up to 150 C or 300F) while under pressure. When used for this purpose SPIR STAR HT series hoses should only be used when there is appropriate protecting devices in place to rule out the possibility of injury. The protecting devices may be removed only (e.g. for repairs) after the hose assembly has been depressurized and cooled to ambient temperature.

Production related variations of the burst pressure of up to 5 % are possible. Other colors upon request.

Maximum test pressure (1290 bar / 18705 psi).

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 may be less.

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