Hose Type 8mmUHP®

ID8 - Series: C

Applications

Waterblast: Surface preparation (concrete removal, surface cleaning of buildings, paint removal), tank and vessel cleaning, ultra high-pressure waterjet cutting and hydro demolition (cutting and demolition of armoured concrete, pipelines, paper or steel)

Hydraulics: Pressure test equipment (valves, tooling and control panels)

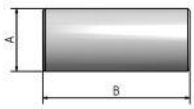
Technical Information

Inner Core: Polyoxymethylene (POM)
Pressure Support: 8 layers of high-tensile steel wire
Outer Cover: Polyamide (PA)
Colour: Chrome yellow
Temperature: -30°C to +60°C [-22°F to 140°F]

Ø ID	Ø OD	Working Pressure (SF 2,3:1)	--	Burst Pressure	Bend Radius	Weight	Insert ID
7,6 mm	22,0 mm	3.200 bar	--	7.400 bar	300 mm	1,500 kg/m	4,5 mm
0,30 inch	0,87 inch	46.400 psi	--	107.300 psi	11,81 inch	1,005 lbs/ft	0,18 inch

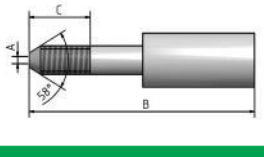
Sleeve

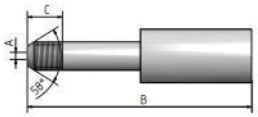
Part no.	Thread	Material	Dimensions (mm) A	B	C	
Sleeve						
10880142	-	Steel	29,7	66	-	-

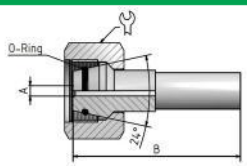


Insert

Part no.	Thread	Material	Nut	Dimensions (mm) A	B	C	
HP fitting							
40860214C	3/8"x24UNF LH	Stainless steel	-	4,5	100	20	-
40860204C	9/16"x18UNF LH	Stainless steel	-	4,5	112	31	-
40860104C	M14x1.5 LH	Stainless steel	-	4,5	112	24	-
MP fitting							
40860324C	3/4"x16UNF LH	Stainless steel	-	4,5	102	18	-
Female swivel with O-Ring							
20860224C	M24x1.5	Stainless steel	51320205, 51321206	4,5	91	-	32







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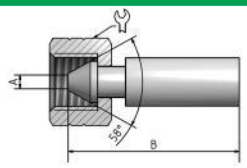
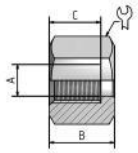
Insert

Part no.	Thread	Material	Nut	Dimensions (mm) A	B	C	⌀
Type M female swivel							
20860644C	3/4"x16UNF	Stainless steel	50840605, 50840601	4,5	76	-	24
20860684C	7/8"x14UNF	Stainless steel	50860675	4,5	77	-	30



Swivel nut

Part no.	Thread	Material	Relief bores	Dimensions (mm) A	B	C	⌀
Swivel nut							
50840601	3/4"x16UNF	Steel	1 radial	12,2	22,5	17,5	24
50840605	3/4"x16UNF	AISI 316Ti	1 radial	12,2	22,5	17,5	24
50860675	7/8"x14UNF	AISI 316Ti	1 radial	12,2	26	20	30
51321206	M24x1.5	Steel	2 axial	16,8	23	16	32
51320205	M24x1.5	AISI 316Ti	1 radial	16,8	23	16	32



Hose protection

Part no.	Size (mm)	Material	Crimp ring
Hose protection without spiral			
1.903037	ID Ø30, OD Ø39	PVC	1003941
1.903542	ID Ø35, OD Ø42	PVC	-

Hose protection with spiral			
1.913038	ID Ø30, OD Ø38	PVC	1004145
1.913240	ID Ø32, OD Ø40	PVC	-

Bend restrictor

Part no.	Material	Crimp ring	Dimensions (mm) Ø	Length
TPU bend restrictor				
1.9523406D	PUR	1004145	44	250

Hose securing grip

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

Hose securing grip long version				
910640L	600,00	1.010,00	20,40	20-25

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Accessories combinations

Without hose protection

Description	Bend restrictor	Crimp ring	Securing grips
Bend restrictor	1.9523406D	1004145	-
Securing grip	-	-	9106400
Bend restrictor and securing grip	1.9523406D	1004145	910640L

Hose protection without spiral

Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.903037	-	1003941	-
with bend restrictor	1.903037	1.9523406D	1004145	-
with securing grip	1.903542	-	-	9106400
with bend restrictor and securing grip	1.903542	1.9523406D	1004145	910640L

Hose protection with spiral

Description	Protection hose	Bend restrictor	Crimp ring	Securing grips
Protection hose	1.913038	-	1004145	-
with bend restrictor	1.913240	1.9523406D	1004145	-
with securing grip	1.913240	-	-	9106400
with bend restrictor and securing grip	1.913240	1.9523406D	1004145	910640L

Production-related variations of the burst pressure of up to 5 % are possible. Other colours upon request.
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.
**) Blast-Pro® fittings may only be used for tube cleaning operations inside the tube. They have not been designed for the use outside of tubes.*
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