



Applications

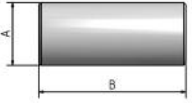
Hydraulics: Pressure test equipment (valves, tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

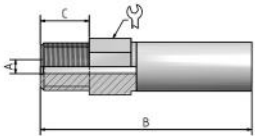
Technical Information

Inner Core: Polyamide (PA)
Pressure Support: Multi-layers of high-tensile steel wire
Outer Cover: Polyurethane (TPU)
Color: Red
Temperature: -30°C to +60°C [-22°F to 140°F]

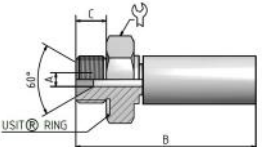


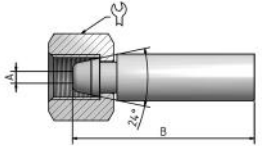
Ø ID	Ø OD	Working Pressure -- (SF 2,5:1)	Burst Pressure	Bend Radius	Weight	Insert ID
5,9 mm	12,0 mm	--	1.200 bar	80 mm	0,237 kg/m	4,0 mm
0,23 inch	0,47 inch	--	17.400 psi	3,15 inch	0,159 lbs/ft	0,16 inch

Part no.	Thread	Material	Dimensions (mm)				Sleeve
			A	B	C	⚙	
Sleeve							
MAMBA-S	-	Steel	15,4	43	-	-	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C	⚙	
Male fitting								
MAMBA-M-1/4	1/4"x18NPTF	Steel	-	4	68	14	14	
MAMBA-M-3/8	3/8"x18NPTF	Steel	-	4	64	14	17	

Male fitting 100° external cone								
MAMBA-M-1/4-100	G 1/4"	Steel	-	4	67	18	17	

Male fitting for USIT® Ring								
MAMBA-M-1/4-U	G 1/4"	Steel	-	4	61	11	22	

Female swivel 24°/60°								
MAMBA-F-I-1/4	G 1/4"	Steel	MAMBA-F-N-1/4	4	55	-	-	
MAMBA-F-I-M14	M14x1,5	Steel	MAMBA-F-N-M14	4	55	-	19	

Part no.	Thread	Material	Nut	Dimensions (mm)				Insert
				A	B	C		
Female fitting NPT/NPTF								
MAMBA-F-1/4	1/4"x18NPTF	Steel	-	4	67	20	19	

Part no.	Thread	Material	Relief bores	Dimensions (mm)				Swivel nut
				A	B	C		
Swivel nut								
MAMBA-F-N-1/4	G 1/4"	Steel	1 radial	9,2	16,5	8,5	19	
MAMBA-F-N-M14	M14x1,5	Steel	1 radial	9,2	16,5	8,5	19	

Part no.	Material	Crimp ring	Dimensions (mm)		Bend restrictor
			Ø	Length	
Rubber bend restrictor					
I.9518600	Rubber	QR-HL	34	126	

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	
Hose securing grip long version					
905640L	600,00	990,00	10,20	10-15	

Accessories combinations			
Without hose protection			
Description	Bend restrictor	Crimp ring	Securing grips
Bend restrictor	I.9518400	QR-HL	-
Securing grip	-	-	9056400
Bend restrictor and securing grip	I.9518400	QR-HL	905640L

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