

## ELBOW 90° / 45° / 135°

**Material:** Silicone VMQ (Vinyl Methyl Quality).  
**Textile reinforcement:** 3 ply polyester net.  
**Temperature range:** -60° to +180°C.  
**Standard wall thickness:** 4,2mm (+1/-0.5mm).  
**Length of legs (mm):**  
 100x100 / 150x150 / 200x200.  
 Plain outer and inner appearance.



45°



90°

Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)
6	↑ 100x100 150x150 200x200 ↓	35	↑ 100x100 150x150 200x200 ↓	60	↑ 100x100 150x150 200x200 ↓
8		38		62	
10		40		63	
13		44		65	
16		45		70	
19		48		75	
22		50		76	
25		51		80	
28		53		85	
30		55		90	
32	57	95			
				100	



135°

## REDUCER ELBOW 90°



**Material:** Silicone VMQ (Vinyl Methyl Quality).  
**Textile reinforcement:** 3 ply polyester net.  
**Temperature range:** -60° to +180°C.  
**Standard wall thickness:** 4,2mm (+1/-0.5mm).  
**Length of legs (mm):** 100x100 / 150x150.  
 Plain outer and inner appearance.

Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)
25 / 19	↑ 100x100 150x150 ↓	60 / 50	↑ 100x100 150x150 ↓
32 / 25		63 / 51	
38 / 25		70 / 50	
38 / 32		70 / 60	
38 / 35		76 / 51	
51 / 45		76 / 63	

## VENA TECHNOSIL SAE J20R3 Class A (HEATER HOSE)



**Material:** Silicone VMQ (Vinyl Methyl Quality).  
**Textile reinforcement:** polyester braiding  
**Temperature range:** -60°C a +180°C  
**Wall thickness:** variable, depending on diameter.  
**Length:** standard rolls of 76,2m (250 ft.) delivered in a wood spool. Other lengths are possible upon request.  
 Extruded hose with plain outer and inner appearance. Meets the requirements of SAE J20R3 Class A standard for cooling systems in the automotive industry.

Inner Diameter (mm)	Outer diameter (mm)	Working pressure (bar) water at 20°C	Bursting pressure (bar) water at 20°C	Vacuum pressure (kPa)
6,3	13,2	9,60	28,80	95
7,9	15,0	8,80	26,50	95
9,5	16,6	7,70	23,00	95
12,7	20,3	6,80	20,30	90
15,8	24,5	5,90	17,80	70
19	27,9	5,10	15,20	70
22	31,3	5,00	15,00	70
25,4	34,5	4,90	14,80	55
28	38,0	4,40	13,20	20
32	43,0	3,90	11,80	16