

All dimensions are in (mm)

HOSE		VALUES	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"	2"		
			-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32		
10.1216 R6 / 1TE		FERRULE	20.107.03	20.107.04	20.107.05	20.107.06	20.107.08	20.107.10	20.107.12	20.107.16					
		CRIMPING DIAMETER	12.9	15.0	16.4	19.0	22.9	26.2	29.3	35.5					
10.1217 2TE		FERRULE	20.107.03	20.107.04	20.107.05	20.107.06	20.107.08	20.107.10	20.107.12	20.107.16					
		CRIMPING DIAMETER	13.2	15.2	16.6	19.2	23.1	26.8	30.4	38.2					
10.1220 R3 / 3TE		FERRULE	20.201.04	20.201.05	20.201.06	20.202.08	20.202.10	20.202.12	20.302.16	20.201.20	20.201.24	20.201.32			
		CRIMPING DIAMETER	16.7	16.8	21.7	24.4	27.5	30.8	42.5	46.0	55.0	67.0			
10.1002 10.1052 10.1002.XXHT		FERRULE	20.101.03	20.101.04	20.101.05	20.101.06	20.202.08	20.202.10	20.202.12	20.301.16	20.101.20	20.101.24	20.101.32		
		CRIMPING DIAMETER	15.7	16.7	18.5	20.2	23.5	26.8	30.5	39.2	45.5	55.0	67.4		
R1AT / 1SN		FERRULE	20.204.03	20.302.04	20.302.05	20.302.06	20.302.08	20.302.10	20.302.12	20.204.16	20.204.20	20.204.24	20.204.32		
		CRIMPING DIAMETER	16.8	16.7	19.0	20.8	24.4	28.2	32.2	39.2	49.1	56.5	68.0		
10.1004 10.1054 10.1004.XXHT		FERRULE	20.200.03	20.200.04	20.200.05	20.200.06	20.200.08	20.200.10	20.200.12	20.200.16	20.200.20	20.200.24	20.200.32		
		CRIMPING DIAMETER	15.0	16.8	21.0	22.2	26.0	28.9	33.5	42.2	51.8	57.8	69.9		
		EXTERNAL SKIVING	21	20	20	21	25	27	31	37	42	52	61		
		FERRULE	20.201.03	20.201.04	20.201.05	20.201.06	20.202.08	20.202.10	20.202.12						
		CRIMPING DIAMETER	15.5	17.2	20.0	21.5	23.4	27.0	30.5						
		FERRULE	20.204.03								20.204.16	20.204.20	20.204.24	20.204.32	
R2AT / 2SN		CRIMPING DIAMETER	17.9								39.4	51.8	58.0	69.5	
		FERRULE	20.302.04	20.302.05	20.302.06	20.302.08	20.302.10	20.302.12	20.302.16						
		CRIMPING DIAMETER	18.0	19.7	21.3	25.3	29.5	33.2	42.0						
		FERRULE										20.204.16			
		CRIMPING DIAMETER										38.8			
		FERRULE									20.302.10	20.302.12	20.302.16		
10.1017 10.1517		CRIMPING DIAMETER							28.6	32.7	40.4				
		FERRULE	20.305.04	20.305.05	20.305.06	20.305.08									
R17 / 1SC		CRIMPING DIAMETER	15.2	17.3	19.5	21.6									
		FERRULE										20.305.10	20.305.12	20.305.16	
1SC 10.1018 10.1518		CRIMPING DIAMETER										25.1	29.0	37.0	
		FERRULE											20.204.16		
10.1019 10.1519 10.1010		CRIMPING DIAMETER											39.0		
		FERRULE	20.302.04	20.302.05	20.302.06	20.302.08	20.302.10	20.302.12	20.302.16						
R16 / 2SC IMPACTUS		CRIMPING DIAMETER	17.0	19.5	20.6	24.6	28.2	32.6	40.4						
		FERRULE						20.200.06	20.200.08	20.200.10	20.200.12	20.200.16			
10.1012		CRIMPING DIAMETER						23.0	26.2	29.2	34.4	42.2			
		EXTERNAL SKIVING						25	25	30	35	40			
R12		FERRULE	20.NS4.06	20.NS4.08	20.NS4.10	20.NS4.12	20.NS4.16	20.NS4.20	20.NS4.24						
		CRIMPING DIAMETER	23.9	26.9	30.4	35.5	42.6	52.9	60.5						



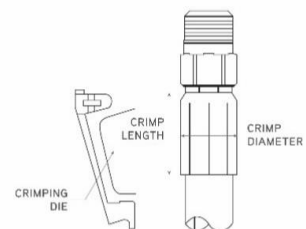
Dimensions: [mm]: tolerance  $\pm 0.25/-0.25$

The indicated crimping diameters must be understood as indicative, because of the big range tolerances of hose specifications indicated in the SAE / DIN / EN standard, Balflex recommends hydrostatic testing according to ISO 1402.

**Instruction**

FERRULE	20.406.16	BALFLEX CODE
CRIMPING DIAMETER (mm)	41.2	Dimensions in Millimeters (mm)
EXTERNAL SKIVING	62	Dimensions in mm
INTERNAL SKIVING	16	Dimensions in mm

BALFLEX® FULL CRIMP



All dimensions are in (mm)

HOSE		VALUES	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"	2"	
			-3	-4	-5	-6	-8	-10	-12	-16	-20	-24	-32	
10.1008		FERRULE												
		CRIMPING DIAMETER	20.200.06	20.200.08	20.200.10	20.200.12	20.200.16							
		EXTERNAL SKIVING	23.0	26.2	29.7	34.8	42.6							
4SP		FERRULE												
		CRIMPING DIAMETER	20.NS4.06	20.NS4.08	20.NS4.10	20.NS4.12	20.NS4.16	20.NS4.20	20.NS4.24					
		EXTERNAL SKIVING	25	25	30	35	40							
		INTERNAL SKIVING	23.9	26.9	30.4	35.4	42.8	52.9	60.5					
10.1009		FERRULE												
		CRIMPING DIAMETER			20.NS4.12	20.NS4.16	20.NS4.20	20.NS4.24	20.NS4.32					
		EXTERNAL SKIVING			35.0	42.6	51.5	60.8	74.7					
4SH		FERRULE												
		CRIMPING DIAMETER	20.406.12	20.406.16	20.405.20	20.405.24	20.405.32							
		EXTERNAL SKIVING	33.2	41.2	49.6	57.0	71.9							
		INTERNAL SKIVING	50	62	72	81	82							
		INTERNAL SKIVING	15	16	20	22	28							
10.1014		FERRULE												
		CRIMPING DIAMETER			20.406.20	20.406.24	20.406.32							
		EXTERNAL SKIVING			*SEE 10.1009	*SEE 10.1009	52.7	60.2	76.6					
		INTERNAL SKIVING			72	81	82							
		INTERNAL SKIVING			20	22	28							
10.1016		FERRULE												
		CRIMPING DIAMETER			20.406.20	20.406.24	20.406.32							
		EXTERNAL SKIVING			*SEE 10.1009	**SEE 10.1009	51.4	60.2	76.6					
		INTERNAL SKIVING			72	81	82							
		INTERNAL SKIVING			20	22	28							
10.1029		FERRULE	20.302.04											
10.1529		CRIMPING DIAMETER	18.0											
2-MAX JACK		CRIMPING DIAMETER	21.3	25.3										
10.1030		FERRULE	20.107.03	20.107.04	20.107.05	20.107.06	20.107.08	20.107.10	20.107.12	20.107.16				
10.1034		CRIMPING DIAMETER	12.2	13.9	15.1	18.5	21.5	25.7	28.9	35.4				
R7 TEX		CRIMPING DIAMETER	12.4	13.9	15.4	18.4	21.2	25.4	27.8	35.0				
10.1031		FERRULE	20.107.03	20.107.04	20.107.05	20.107.06	20.107.08	20.107.10	20.107.12	20.107.16				
10.1035		CRIMPING DIAMETER	12.3	13.9	15.0	18.4	21.6	25.7	28.9	35.4				
R8		CRIMPING DIAMETER	12.3	13.9	15.0	18.4	21.6	25.7	28.9	35.4				
10.2003		FERRULE	20.107.03	20.107.04	20.107.05	20.107.06	20.107.08	20.107.10	20.107.12	20.107.16				
(EUROPEAN)		CRIMPING DIAMETER	11.0	12.2	14.0	15.5	20.0	23.5	27.0	33.0				
R14		CRIMPING DIAMETER	11.0	12.2	14.0	15.5	20.0	23.5	27.0	33.0				
10.2010		FERRULE	20.107.04											
		CRIMPING DIAMETER	13.0	17.0	20.0	24.5	26.0	34.0						
PTFE OND		FERRULE	20.TFC.04											
		CRIMPING DIAMETER	13.0	15.4	19.5	22.0	27.5	33.0	38.0	48.2	51.4			

HOSE		VALUES	3/16"	1/4"	5/16"	13/32"	1/2"	5/8"	3/4"	7/8"	1"	1.1/8"	
			-4	-5	-6	-8	-10	-12	-14	-16	-18	-20	
10.2000		FERRULE	20.107.03	20.107.04	20.107.05	20.107.06	20.107.08	20.107.10	20.107.12				
(AMERICAN)		CRIMPING DIAMETER	11.0	12.2	14.0	16.0	20.0	23.5	27.0				
R14		CRIMPING DIAMETER										33.0	

**Dimensions: [mm]: tolerance – +0.25/-0.25**  
**The indicated crimping diameters must be understood as indicative, because of the big range tolerances of hose specifications indicated in the SAE / DIN / EN standard, Balflex recommends hydrostatic testing according to ISO 1402.**  
 \* On sizes – 12 (3/4") the Balflex® POWERSPIR DIN EN 856 4SH and SAE 100R13 and SAE 100R15 hoses are the same,  
 \*\* On sizes – 16 (1") the Balflex® POWERSPIR DIN EN 856 4SH and SAE 100R13 hoses are the same,

**Instructions**

FERRULE	20.406.16	BALFLEX CODE
CRIMPING DIAMETER (mm)	41.2	Dimensions in mm
EXTERNAL SKIVING	62	Dimensions in mm
INTERNAL SKIVING	16	Dimensions in mm

