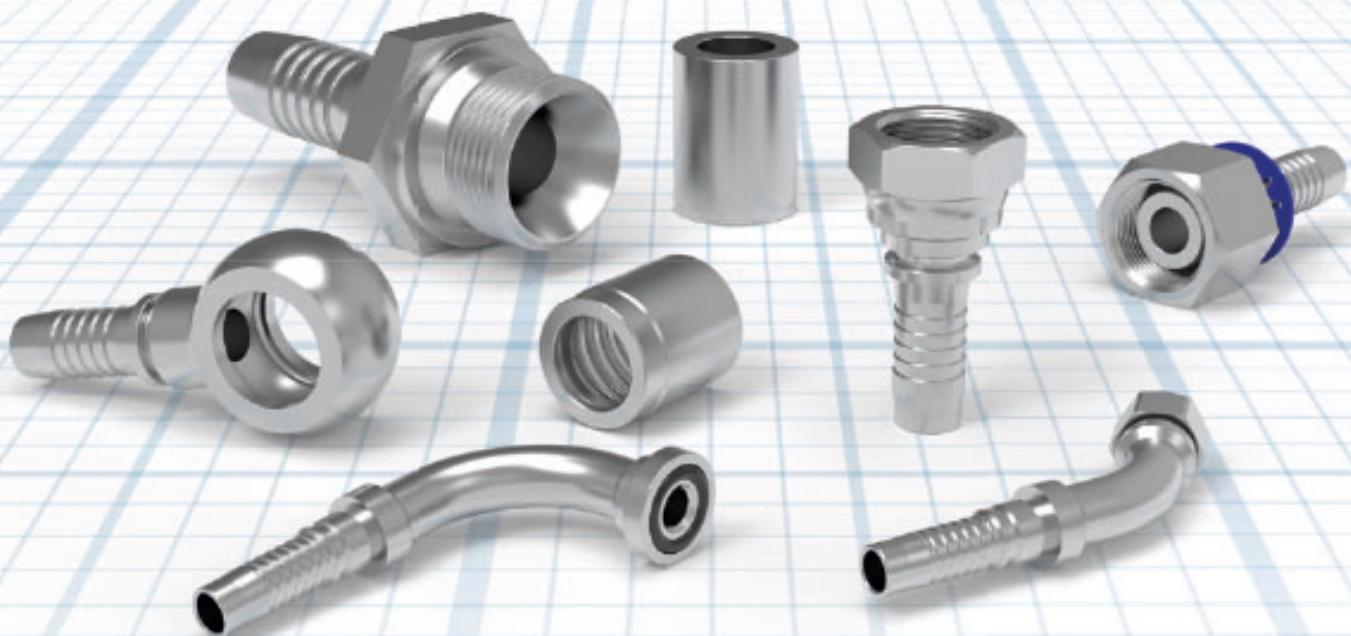


**VOSS**

# Hose couplings



## Content

## Chapter

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General Information

1

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Overview tube couplings

2

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Hose fittings VOSS NPS3 (standard)

3

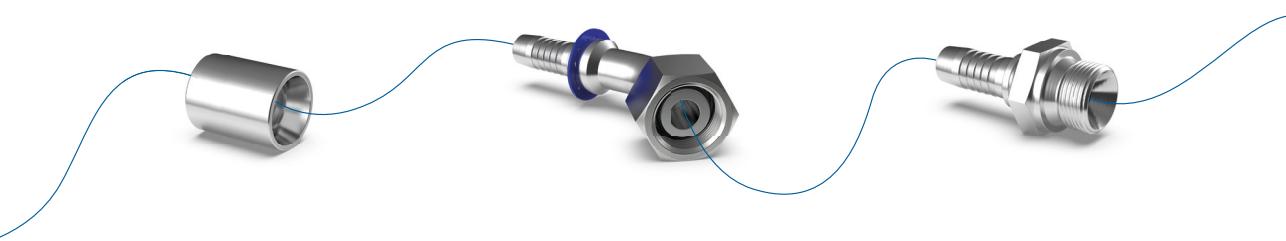
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Hose fittings VOSS NPS8 (Interlock)

4

6





## The Company

**VOSS is a proven partner in the automotive and mechanical engineering industries for pipe and coupling technology in fluid systems.**

Since its foundation in 1931, the company has developed into a globally active group of companies driven by customer proximity, innovations and top quality. VOSS Automotive GmbH, VOSS Fluid GmbH and 11 foreign companies are united under the umbrella of VOSS Holding.

With its production facilities in Germany and abroad as well as sales companies in Europe and overseas, VOSS is one of the world's leading suppliers of components for fluid systems: In the area of VOSS Automotive for vehicle construction, in the area of VOSS Fluid for mechanical engineering.

The product range includes coupling elements, ready-to-install pipes, valves and other components for pneumatic, hydraulic, fuel and air conditioning systems.

**The headquarters:**  
Factory and administration Wipperfürth



By acquiring and fully integrating LARGA into VOSS Fluid GmbH, the company is expanding its product portfolio to include hose fittings for a wide range of loads.



As a development partner and system provider with a full range of products, VOSS takes on the responsibility of actively supporting the opinion-forming process in the fluid technology industry in a wide variety of ways.

## Machine components for coupling technology

**A complete range plus quality: VOSS produces one of the most comprehensive product ranges of pipe connection systems and hose fittings on the basis of this principle. The entire product range is available as a catalog program.**

The product range includes hose fittings, cutting ring fittings, soft seal and cone grip unions, pipe forming systems, flange connections and supplementary accessories. Particular emphasis is placed on the development of customer-specific system solutions.

VOSS Fluid handles the entire package, from project planning, engineering, production and assembly to special logistics services.

In addition, VOSS Fluid offers convincing economic additional services and optimization approaches that fully take into account procurement costs, assembly costs, the sustainability of the tightness of the screw connection and long-term corrosion protection.

The company's consistent quality policy and the defined quality objectives - all of which are reflected in the necessary certifications and approvals of the relevant associations and specialist bodies - have ensured VOSS a leading position in all established markets for many years.

Through worldwide depots with a wide range of systems and a global network of authorized dealers, VOSS Fluid stands for the very highest availability of products and offers particularly economical delivery systems. These range from a KANBAN Full Service to the complete optimization of the customer's supply chain.



With regular training courses and application-related information, VOSS Fluid offers a wide range of special services.

The internal and inter-company logistics of the entire VOSS Group provide considerable cost advantages, which make it possible for customers to plan their production in time and capacity without having to build up their own inventories.

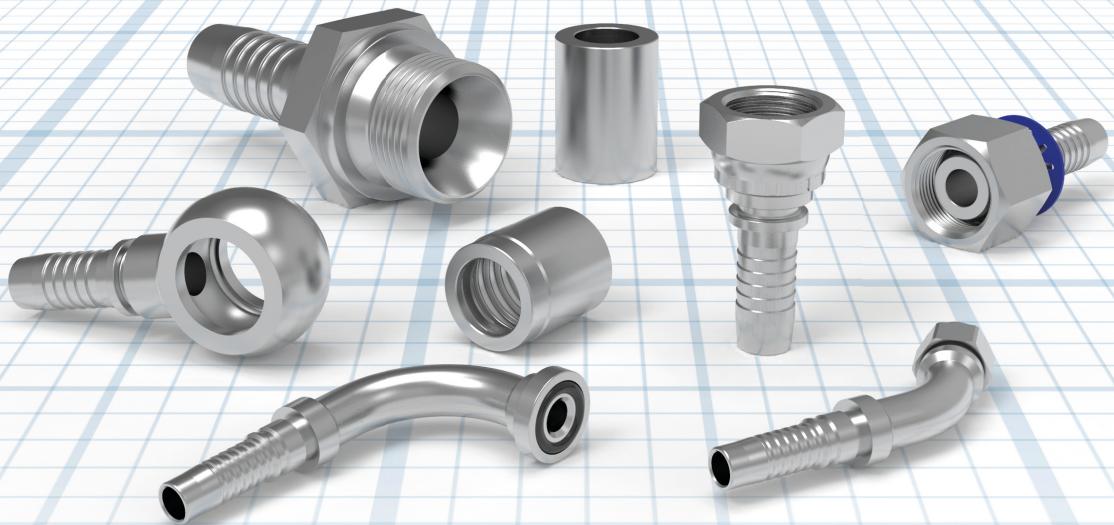
## The environmental policy of the VOSS Group

- 01** The management boards of the VOSS Group regard environmental protection as a core element of corporate management and as the basis for long-term corporate success.
- 02** The employees at all levels of the company are involved in the efforts to protect the environment and to constantly reduce environmental pollution, and their environmental awareness is promoted through training courses as well as other activities.
- 03** For all new developments (products and processes), we evaluate their influence on the environment with the aim of minimizing their impact.
- 04** The impact of our activities on the local environment is regularly monitored and assessed.
- 05** If environmental pollution cannot be avoided, one of the company's proclaimed goals is to constantly reduce it.
- 06** Defined procedures and specifications regulate the relevant technical and organizational processes in the company in order to implement these principles.
- 07** In close cooperation with the authorities as well as our customers, we constantly endeavor to identify and evaluate existing environmental protection requirements. This forms the basis for our activities to continuously reduce existing environmental pollution and to comply with legal regulations.
- 08** Information on the current status of our environmental services is available to the public and all interested persons and organizations at all times.
- 09** We encourage our contractual partners to apply the same standards as we do.
- 10** The procurement of equipment and services takes place on the basis of energy efficiency considerations.
- 11** We constantly improve our energy consumption by implementing targeted measures.



## Overview of hose fittings

The right connections for every application



Content	Type/Page
The complete range of VOSS hose fittings	P.9

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## The complete range of VOSS hose fittings

Hose fittings VOSS NPS3 (standard)

### Press fittings

2



## Hose fittings

### BSP thread

AGR



S. 48

AGR K



S. 49

AGR F



S. 50

### UN/UNF thread

AGJ



S. 53

### NPTF thread

AGN



S. 56

### BSP thread / 60° taper

DKR



S. 58

DKR 45



S. 59

DKR 90



S. 60

### BSP thread / 60° taper / O-Ring

DKOR



S. 62

DKOR 45



S. 63

DKOR 90



S. 64

### UN/UNF thread / 37° cone

DKJ



S. 66

DKJ 45



S. 67

DKJ 90



S. 68

## Hose fittings

2

### UN/UNF thread ORFS

ORFS	ORFS 45	ORFS 90	AORFS
			

S. 70      S. 71      S. 72      S. 73

### SAE flange 3000/6000 PSI

FL3 / FL6 3000 / 6000 PSI	FL3 45 / FL6 45 3000 / 6000 PSI	FL3 90 / FL6 90 3000 / 6000 PSI
		

S. 76/80      S. 77/81      S. 78/82

### Flange 9000 PSI

FLCAT	FLCAT 45	FLCAT 90
		

S. 84      S. 85      S. 86

### Ring eyes

RNR	RNM
	

S. 88      S. 89

### Pipe attachment L/S series

BEL	BEL 90	BES	BES 90
			

S. 92      S. 93      S. 96      S. 97

## The complete range of VOSS hose fittings

### Hose fittings VOSS NPS8 (Interlock)



Press fittings



Hose fittings



## Hose fittings

2

### UN/UNF thread / 37° inner cone/o-ring

MDKOJ



S. 124

MDKOJ 45



S. 125

MDKOJ 90



S. 126

### UN/UNF thread ORFS

MORFS



S. 128

MORFS 45



S. 129

MORFS 90



S. 130

### SAE flange 3000/6000 PSI

MFL3 / MFL6  
3000 / 6000 PSI



S. 132/136

MFL3 45 / MFL6 45  
3000/ 6000 PSI



S. 133/137

MFL3 90 / MFL6 90  
3000 / 6000 PSI



S. 134/138

### Flange 9000 PSI

MFLCAT



S. 140

MFLCAT 45



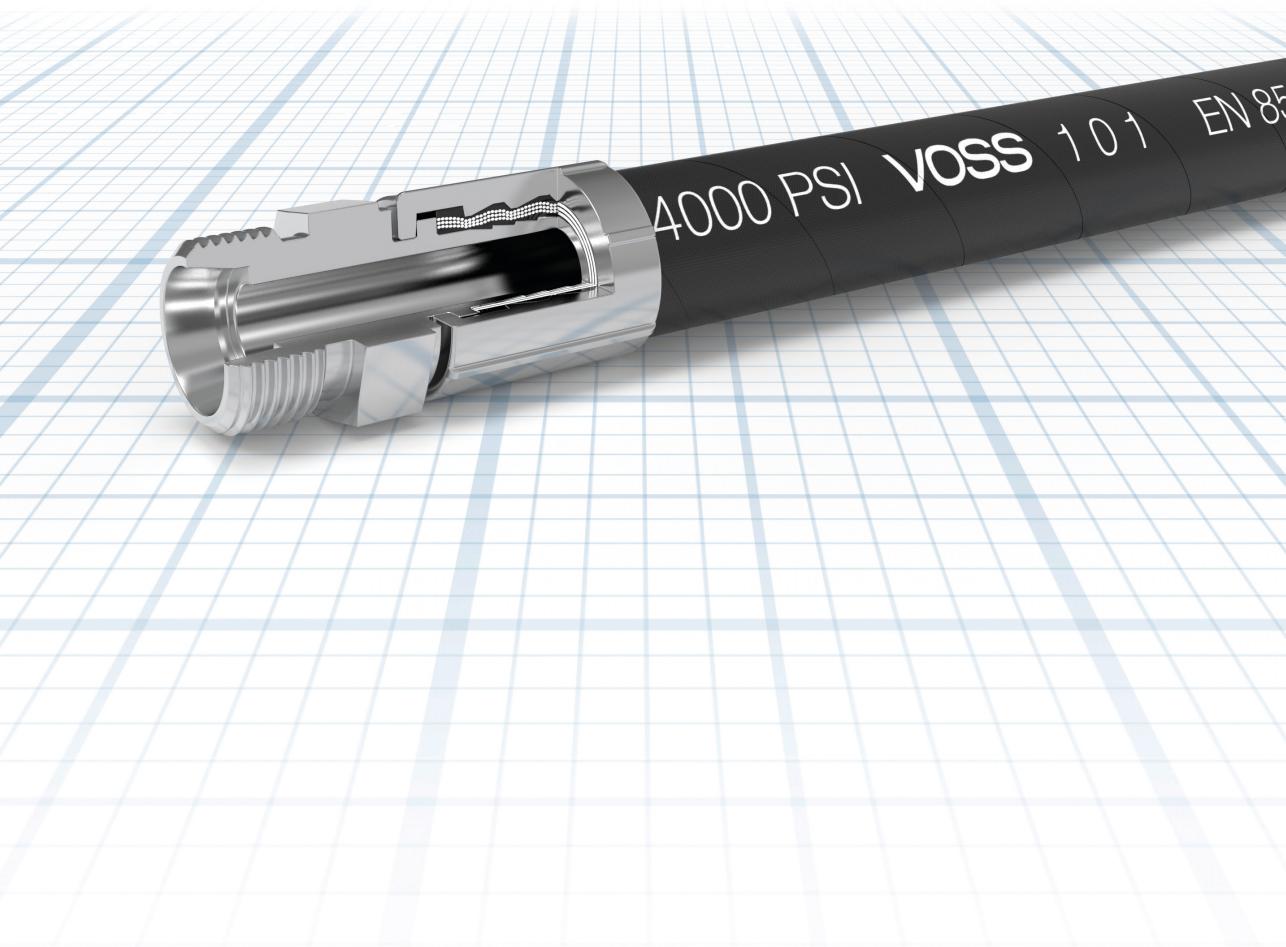
S. 141

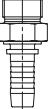
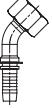
MFLCAT 90

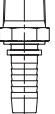
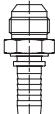
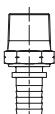
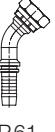


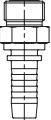
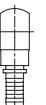
S. 142

## Hose fittings VOSS NPS3 (standard)



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Skive swaged ferrules	PF 11	PF 12	PF 13
			
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No Skive swaged ferrules	PF 22	PF 23	PF 24
			
	P.24	P.25	P.26
Hose fittings with 24° cone	CEL	CES	
			
	P.28	P.29	
Hose fittings with 24° taper Series L	DKOL	DKOL 45	DKOL 90
			
	P.32	P.34	P.35
Hose fittings with 24° taper Series S	DKOS	DKOS 45	DKOS 90
			
	P.38	P.39	P.40
Hose fittings with universal taper	DKM/L	DKM/L 45	DKM/L 90
			
	P.42	P.43	P.44

Content	Type/Page		
Hose fittings with BSP thread	AGR	AGR K	AGR F
			
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Hose fittings with UN/UNF thread	AGJ		
			
	P.50		
Hose fittings with NPTF thread	AGN		
			
	P.54		
Hose fittings with BSP thread and 60° taper	DKR	DKR 45	DKR 90
			
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Hose fittings with BSP thread and 60° taper O-ring	DKOR	DKOR 45	DKOR 90
			
	P.60	P.61	P.62
Hose fittings with UN/UNF thread and 37° cone	DKJ	DKJ 45	DKJ 90
			
	P.64	P.65	P.66

Content	Type/Page			
Hose fittings ORFS with UN/UNF thread	ORFS	ORFS 45	ORFS 90	AORFS
				
	P.68	P.69	P.70	P.71
Hose fittings with SAE flange standard series (3000 psi)	FL3	FL3 45	FL3 90	
				3
	P.74	P.75	P.76	
Hose fittings with SAE flange high pressure series (6000 psi)	FL6	FL6 45	FL6 90	
				
	P.78	P.79	P.80	
Hose fittings with flange high pressure series (9000 psi)	FLCAT	FLCAT 45	FLCAT 90	
				
	P.82	P.83	P.84	
Ring eyelets	RNR	RBM		
				
	P.86	P.87		
Hose Fittings with pipe attachment L series	BEL	BEL 90		
				
	P.90	P.91		

**Content****Type/Page**

Hose Fittings with Pipe  
Attachment S series

BES

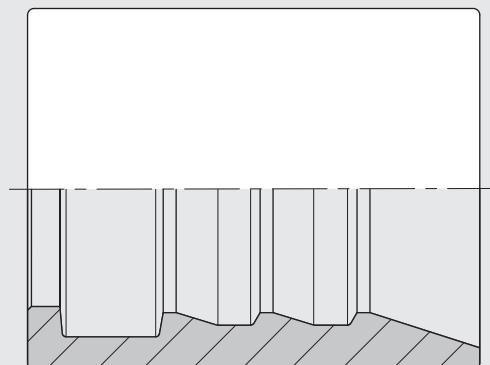
BES 90



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## Skive swaged ferrules



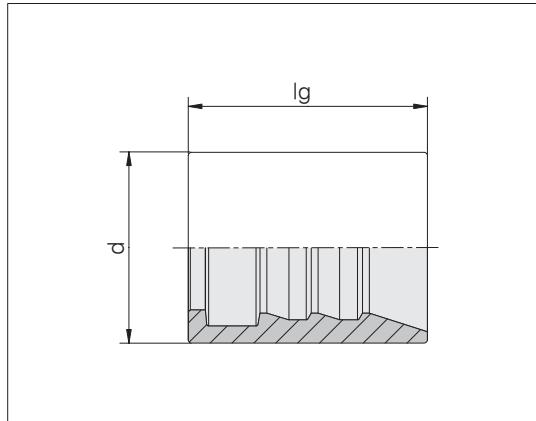
# PF 11

Skive swaged ferrules for wire braided hoses according to

SAE 100 R1A/R1AT

EN 853 1ST/1SN

EN 857 1SC/2SC tube



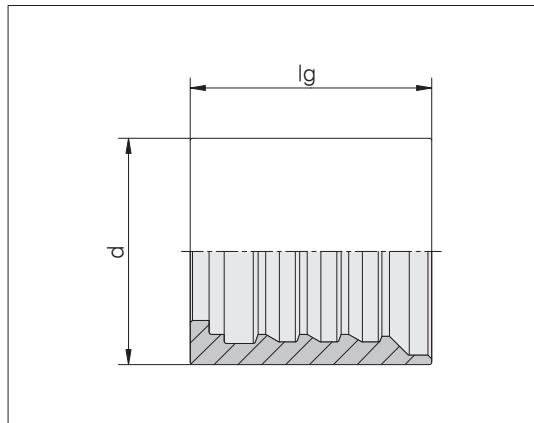
tube size			d	lg	Order-No.	Designation
DN	Inch	Dash				
5	3/16	-03	17	26	7000029800	HF-FER/PF11-DN05-OS
6	1/4	-04	20	31	7000029900	HF-FER/PF11-DN06-OS
8	5/16	-05	21	31	7000030000	HF-FER/PF11-DN08-OS
10	3/8	-06	24	31	7000030100	HF-FER/PF11-DN10-OS
12	1/2	-08	28	35	7000030200	HF-FER/PF11-DN12-OS
16	5/8	-10	31	36	7000030300	HF-FER/PF11-DN16-OS
19	3/4	-12	35	42.5	7000030400	HF-FER/PF11-DN19-OS
25	1	-16	42	50.5	7000030500	HF-FER/PF11-DN25-OS
31	1 1/4	-20	52	59	7000219200	HF-FER/PF11-DN31-OS
38	1 1/2	-24	58	63	7000219300	HF-FER/PF11-DN38-OS
51	2	-32	71	70	7000219400	HF-FER/PF11-DN51-OS

The maximum operating pressure is determined by the respective tube coupling and tube.

## PF 12

Skive swaged ferrules for braided and spiral tubes in acc. with

SAE 100 R2A/R2AT  
EN 853 2ST/2SN  
EN 856 4SP/R12 tube



tube size			d	lg	Order-No.	Designation
DN	Inch	Dash				
5	3/16	-03	21	26	7000219500	HF-FER/PF12-DN05-OS
6	1/4	-04	22	30	7000219600	HF-FER/PF12-DN06-OS
8	5/16	-05	23	30	7000219700	HF-FER/PF12-DN08-OS
10	3/8	-06	26	31	7000219800	HF-FER/PF12-DN10-OS
12	1/2	-08	30	32	7000219900	HF-FER/PF12-DN12-OS
31	1 1/4	-20	57	58	7000032300	HF-FER/PF12-DN31-OS
38	1 1/2	-24	65	62	7000032400	HF-FER/PF12-DN38-OS
51	2	-32	79	73.5	7000032500	HF-FER/PF12-DN51-OS

The maximum operating pressure is determined by the respective tube nipple and tube.

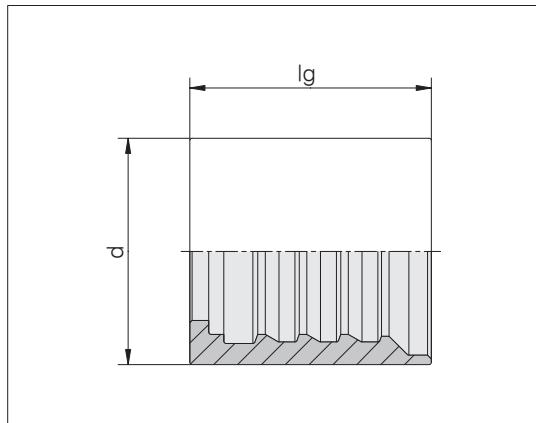
## PF 13

Skive swaged ferrules for braided and spiral tubes in acc. with

SAE 100 R2A/R2AT

EN 853 2ST/2SN

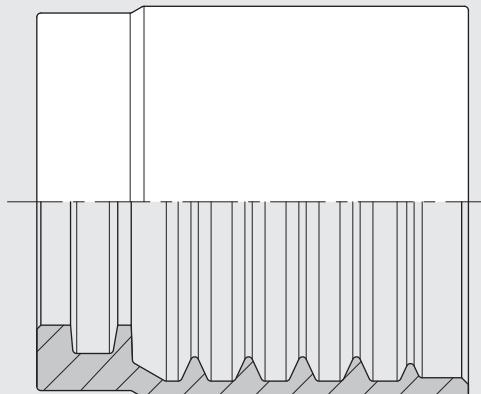
EN 856 4SP/R12 tube



tube size			d	lg	Order-No.	Designation
DN	Inch	Dash				
16	5/8	-10	33	38	7000220000	HF-FER/PF13-DN16-OS
19	3/4	-12	38	42.5	7000220100	HF-FER/PF13-DN19-OS
25	1	-16	46	51	7000220200	HF-FER/PF13-DN25-OS

The maximum operating pressure is determined by the respective tube coupling and tube.

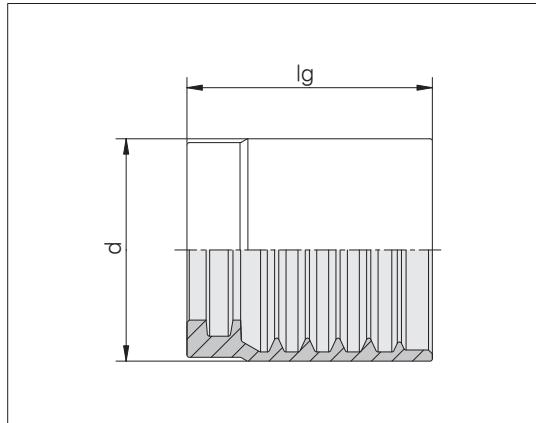
## No Skive swaged ferrules



## PF 22

No Skive swaged ferrules for wire braided hoses acc. to

SAE 100 R1AT/R2AT  
EN 853 1SN/2SN



tube size			d	lg	Order-No.	Designation
DN	Inch	Dash				
5	3/16	-03	21	23.5	7000028700	HF-FER/PF22-DN05
6	1/4	-04	23	30	7000028800	HF-FER/PF22-DN06
8	5/16	-05	24	30	7000028900	HF-FER/PF22-DN08
10	3/4	-06	26	31	7000029000	HF-FER/PF22-DN10
12	1/2	-08	29	32	7000029100	HF-FER/PF22-DN12
16	5/8	-10	33	36	7000029200	HF-FER/PF22-DN16
19	3/4	-12	37	42.5	7000029300	HF-FER/PF22-DN19
25	1	-16	46	51	7000029400	HF-FER/PF22-DN25
31	1 1/4	-20	59	57.5	7000029500	HF-FER/PF22-DN31
38	1 1/2	-24	67	60.5	7000029600	HF-FER/PF22-DN38
51	2	-32	80	74	7000029700	HF-FER/PF22-DN51

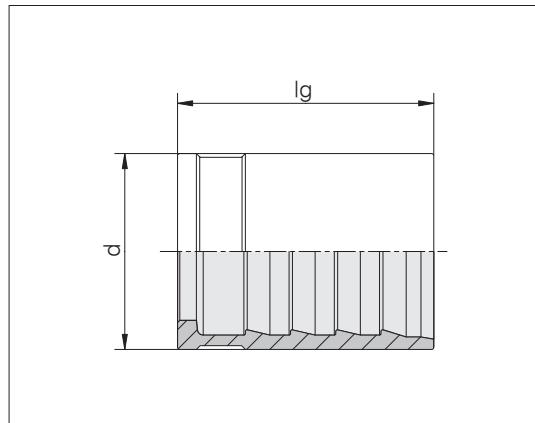
The maximum operating pressure is determined by the respective tube coupling and tube.

## PF 23

No Skive swaged ferrules for thermoplastic hoses acc. to

SAE 100 R7/R8  
EN 855 R7/R8

R8 hoses are limited to 1/2"



tube size			d	lg	Order-No.	Designation
DN	Inch	Dash				
5	3/16	-03	14	26.5	7000220300	HF-FER/PF23-DN05
6	1/4	-04	18	30.5	7000220400	HF-FER/PF23-DN06
8	5/16	-05	19	32	7000220500	HF-FER/PF23-DN08
10	3/8	-06	22	33	7000220600	HF-FER/PF23-DN10
12	1/2	-08	26	34	7000220700	HF-FER/PF23-DN12
16	5/8	-10	31	36	7002109400	HF-FER/PF23-DN16
19	3/4	-12	35	42.5	7002109700	HF-FER/PF23-DN19
25	1	-16	41	51	7002110000	HF-FER/PF23-DN25

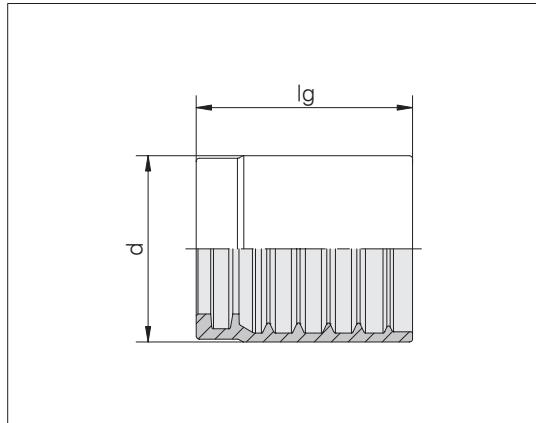
The maximum operating pressure is determined by the respective tube coupling and tube.

## PF 24

No Skive swaged ferrules for braided hoses according to

EN 857 1SC/2SC

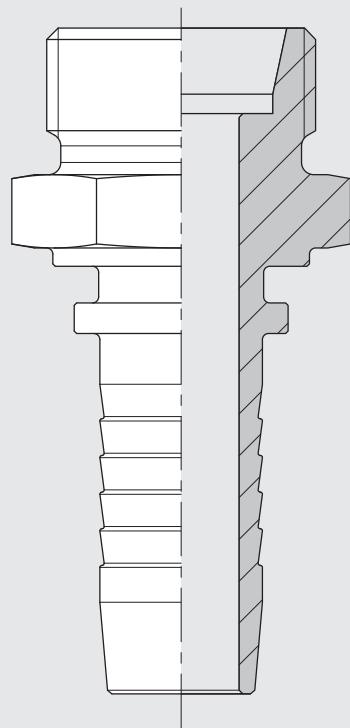
1K/2K (exceeds EN 857 1SC/2SC)



tube size			d	lg	Order-No.	Designation
DN	Inch	Dash				
6	1/4	-04	20	30	7004061800	HF-FER/PF24-DN06
8	5/16	-05	22	30	7004062300	HF-FER/PF24-DN08
10	3/8	-06	24	31	7004062700	HF-FER/PF24-DN10
12	1/2	-08	28	32	7004063400	HF-FER/PF24-DN12
16	5/8	-10	31	36	7004063700	HF-FER/PF24-DN16
19	3/4	-12	35	42.5	7004063100	HF-FER/PF24-DN19
25	1	-16	43	51	7004062400	HF-FER/PF24-DN25

The maximum operating pressure is determined by the respective tube coupling and tube.

## Hose fittings with 24° cone

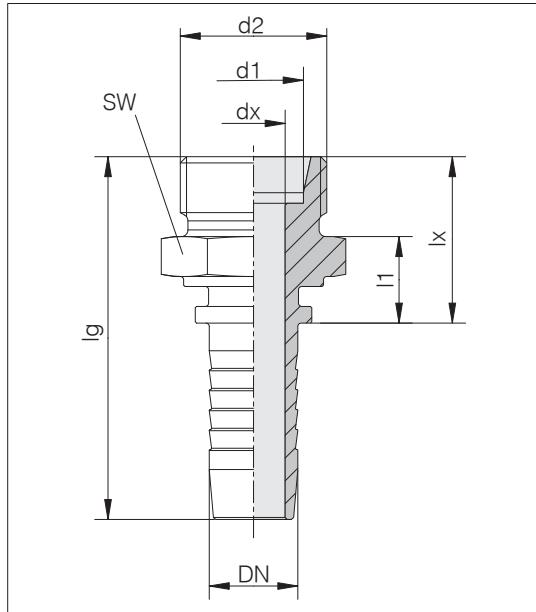


# CEL

Hose fittings with metric thread and 24° cone

ISO 12151-2 (ISO 8434-1)

L series



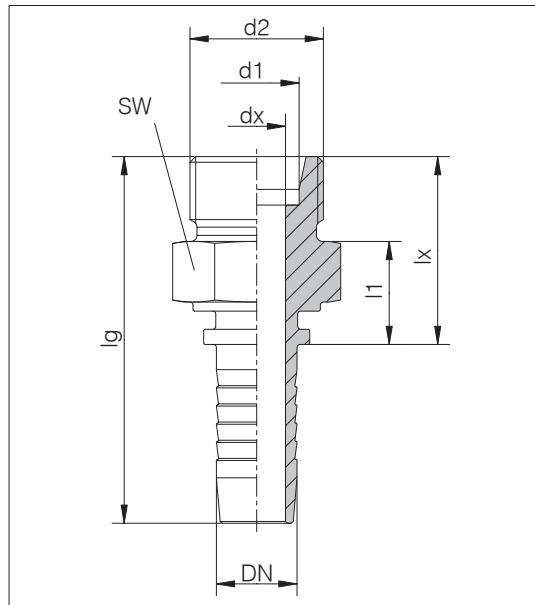
Series	Tube size			d2	dx	lg	lx	l1	SW	Order-No.	Designation
Tube OD	DN	Inch	Dash	metric							
d1											
L 6	5	3/16	-03	M 12 x 1.5	3	43	21	11	14	7000049000	HF/24-S-L6-DN05
L 6	6	1/4	-04	M 12 x 1.5	4	50	22	12	14	7000049200	HF/24-S-L6-DN06
L 8	6	1/4	-04	M 14 x 1.5	4	50	22	12	17	7000049300	HF/24-S-L8-DN06
L 10	6	1/4	-04	M 16 x 1.5	4	51	23	12	17	7000049400	HF/24-S-L10-DN06
L 10	8	5/16	-05	M 16 x 1.5	5.5	51	23	12	17	7000049600	HF/24-S-L10-DN08
L 10	10	3/8	-06	M 16 x 1.5	7	54	24.5	13.5	17	7000049800	HF/24-S-L10-DN10
L 12	6	1/4	-04	M 18 x 1.5	4	52	24	13	19	7000049500	HF/24-S-L12-DN06
L 12	8	5/16	-05	M 18 x 1.5	5.5	52	24	13	19	7000049700	HF/24-S-L12-DN08
L 12	10	3/8	-06	M 18 x 1.5	7	54	24.5	13.5	19	7000049900	HF/24-S-L12-DN10
L 12	12	1/2	-08	M 18 x 1.5	9.5	55.5	26	15	22	7002124900	HF/24-S-L12-DN12
L 15	10	3/8	-06	M 22 x 1.5	7	55	25.5	13.5	24	7000050000	HF/24-S-L15-DN10
L 15	12	1/2	-08	M 22 x 1.5	9.5	56.5	27	15	24	7000050100	HF/24-S-L15-DN12
L 15	16	5/8	-10	M 22 x 1.5	12.5	61	27	15	24	7002125300	HF/24-S-L15-DN16
L 18	10	3/8	-06	M 26 x 1.5	7	56	26.5	14.5	27	7002125500	HF/24-S-L18-DN10
L 18	12	1/2	-08	M 26 x 1.5	9.5	57.5	28	16	27	7000050200	HF/24-S-L18-DN12
L 18	16	5/8	-10	M 26 x 1.5	12.5	62	28	16	27	7000050300	HF/24-S-L18-DN16
L 18	19	3/4	-12	M 26 x 1.5	15	69	30	18	27	7002125900	HF/24-S-L18-DN19
L 22	16	5/8	-10	M 30 x 2	12.5	64	30	16	32	7002126100	HF/24-S-L22-DN16
L 22	19	3/4	-12	M 30 x 2	15	71	32	18	32	7000050600	HF/24-S-L22-DN19
L 28	25	1	-16	M 36 x 2	19.5	80	33	19	41	7000050700	HF/24-S-L28-DN25
L 35	31	1 1/4	-20	M 45 x 2	26	93	38.5	22.5	46	7000050800	HF/24-S-L35-DN31
L 42	38	1 1/2	-24	M 52 x 2	32	99.5	41.5	25.5	55	7000050900	HF/24-S-L42-DN38

## CES

Hose fittings with metric thread and 24° cone

ISO 12151-2 (ISO 8434-1)

S series

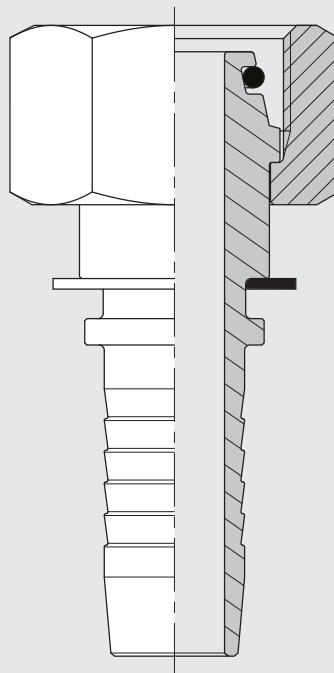


Series Tube OD d1	tube size DN	tube size Inch	Dash	d2 metric	dx	lg	lx	l1	SW	Order-No.	Designation
S 6	6	1/4	-04	M 14 x 1.5	4	55	27	15	17	7002126700	HF/24-S-S6-DN06
S 8	6	1/4	-04	M 16 x 1.5	4	55	27	15	17	7000051300	HF/24-S-S8-DN06
S 8	8	5/16	-05	M 16 x 1.5	5.5	55	27	15	17	7002127000	HF/24-S-S8-DN08
S 10	6	1/4	-04	M 18 x 1.5	4	55	27	15	19	7000051400	HF/24-S-S10-DN06
S 10	8	5/16	-05	M 18 x 1.5	5.5	55	27	15	19	7000051600	HF/24-S-S10-DN08
S 10	10	3/8	-06	M 18 x 1.5	7	57	27.5	15.5	19	7000051800	HF/24-S-S10-DN10
S 12	6	1/4	-04	M 20 x 1.5	4	57	29	17	22	7002127500	HF/24-S-S12-DN06
S 12	8	5/16	-05	M 20 x 1.5	5.5	57	29	17	22	7000051700	HF/24-S-S12-DN08
S 12	10	3/8	-06	M 20 x 1.5	7	59	29.5	17.5	22	7000051900	HF/24-S-S12-DN10
S 14	10	3/8	-06	M 22 x 1.5	7	61	31.5	17.5	24	7000052000	HF/24-S-S14-DN10
S 16	12	1/2	-08	M 24 x 1.5	9.5	62.5	33	19	27	7000052200	HF/24-S-S16-DN12
S 20	16	5/8	-10	M 30 x 2	12.5	71	37	21	32	7000052300	HF/24-S-S20-DN16
S 20	19	3/4	-12	M 30 x 2	15	78	39	23	32	7000052400	HF/24-S-S20-DN19
S 25	19	3/4	-12	M 36 x 2	15	82	43	25	36	7000052500	HF/24-S-S25-DN19
S 25	25	1	-16	M 36 x 2	19.5	90	43	25	36	7000052600	HF/24-S-S25-DN25
S 30	25	1	-16	M 42 x 2	19.5	92	45	25	46	7000052700	HF/24-S-S30-DN25
S 38	31	1 1/4	-20	M 52 x 2	26	106	51.5	29.5	55	7000052900	HF/24-S-S38-DN31



## Hose fittings with 24° taper Series L

3

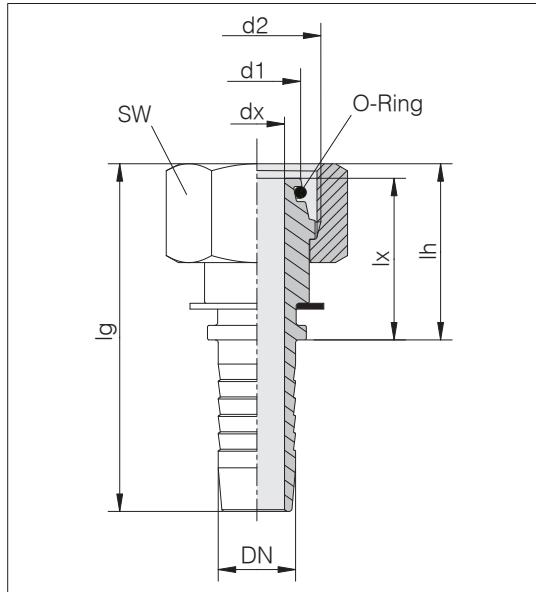


## DKOL

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

Standard material of O-rings is FKM



Series	Tube OD	tube size	Inch	Dash	d2 metric	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
Tube OD	DN												
L 6	5	3/16	-03		M 12 x 1.5	3	47	25	25	14	4 x 1,5	7000036400	HF/24-SWOS-L6-DN05
L 6	6	1/4	-04		M 12 x 1.5	3	50	21.5	22	14	4 x 1,5	7000036600	HF/24-SWOS-L6-DN06 <sup>③)</sup>
L 8	6	1/4	-04		M 14 x 1.5	4	53	25	25	17	6 x 1,5	7000036700	HF/24-SWOS-L8-DN06
L 8	8	5/16	-05		M 14 x 1.5	4	51.5	23.5	23.5	17	6 x 1,5	7002212200	HF/24-SWOS-L8-DN08
L 10	6	1/4	-04		M 16 x 1.5	4	56.5	27.5	28.5	19	7,5 x 1,5	7000036800	HF/24-SWOS-L10-DN06
L 10	8	5/16	-05		M 16 x 1.5	5.5	54	25	26	19	7,5 x 1,5	7000037000	HF/24-SWOS-L10-DN08
L 10	10	3/8	-06		M 16 x 1.5	6	54	23.5	24.5	19	7,5 x 1,5	7000037200	HF/24-SWOS-L10-DN10 <sup>③)</sup>
L 12	6	1/4	-04		M 18 x 1.5	4	55.5	26.5	27.5	22	9 x 1,5	7000036900	HF/24-SWOS-L12-DN06
L 12	8	5/16	-05		M 18 x 1.5	5.5	55.5	26.5	27.5	22	9 x 1,5	7000037100	HF/24-SWOS-L12-DN08
L 12	10	3/8	-06		M 18 x 1.5	7	56.5	26	27	22	9 x 1,5	7000037300	HF/24-SWOS-L12-DN10
L 12	12	1/2	-08		M 18 x 1.5	9.5	56	25	26.5	22	9 x 1,5	7002211600	HF/24-SWOS-L12-DN12
L 15	10	3/8	-06		M 22 x 1.5	7	59.5	27.5	30	27	12 x 2	7000037400	HF/24-SWOS-L15-DN10
L 15	12	1/2	-08		M 22 x 1.5	9.5	60	28.5	30.5	27	12 x 2	7000037500	HF/24-SWOS-L15-DN12
L 15	16	5/8	-10		M 22 x 1.5	12.5	61.5	26	27.5	27	12 x 2	7004397700	HF/24-SWOS-L15-DN16
L 18	12	1/2	-08		M 26 x 1.5	9.5	61.5	29.5	32	32	15 x 2	7000037600	HF/24-SWOS-L18-DN12
L 18	16	5/8	-10		M 26 x 1.5	12.5	66.5	30.5	32.5	32	15 x 2	7000037700	HF/24-SWOS-L18-DN16
L 18	19	3/4	-12		M 26 x 1.5	15	70	28	31	32	15 x 2	7002211700	HF/24-SWOS-L18-DN19
L 22	16	5/8	-10		M 30 x 2	12.5	68	30.5	34	36	20 x 2	7002211800	HF/24-SWOS-L22-DN16
L 22	16	5/8	-10		M 30 x 2	19.5	80.5	30.5	33.5	36	20 x 2	7004397800	HF/24-SWOS-L22-DN25
L 22	19	3/4	-12		M 30 x 2	15	75.5	33	36.5	36	20 x 2	7000038000	HF/24-SWOS-L22-DN19
L 28	19	3/4	-12		M 36 x 2	15	77	34	38	41	26 x 2	7002211900	HF/24-SWOS-L28-DN19
L 28	25	1	-16		M 36 x 2	19.5	85	35	38	41	26 x 2	7000038100	HF/24-SWOS-L28-DN25
L 35	25	1	-16		M 45 x 2	19.5	89.5	38.5	42.5	50	32 x 2,5	7002212000	HF/24-SWOS-L35-DN25
L 35	31	1 1/4	-20		M 45 x 2	26	99	41.5	44.5	50	32 x 2,5	7000038200	HF/24-SWOS-L35-DN31
L 35	38	1 1/2	-24		M 45 x 2	28	100.5	38.5	42.5	50	32 x 2,5	7002212100	HF/24-SWOS-L35-DN38

<sup>③)</sup> Crimped screwcap

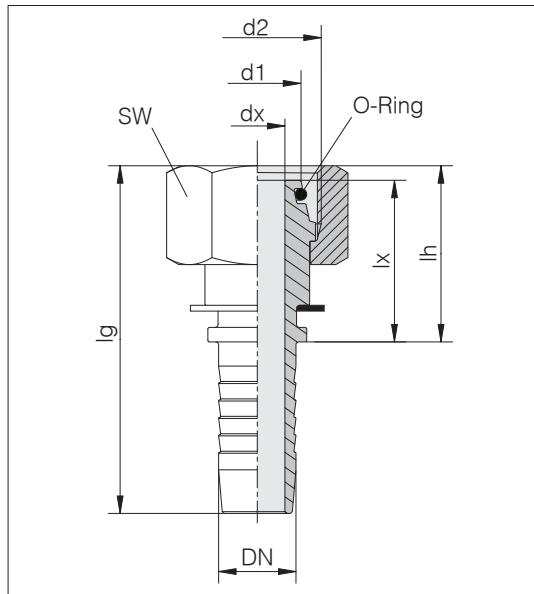
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## DKOL

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

Standard material of O-rings is FKM



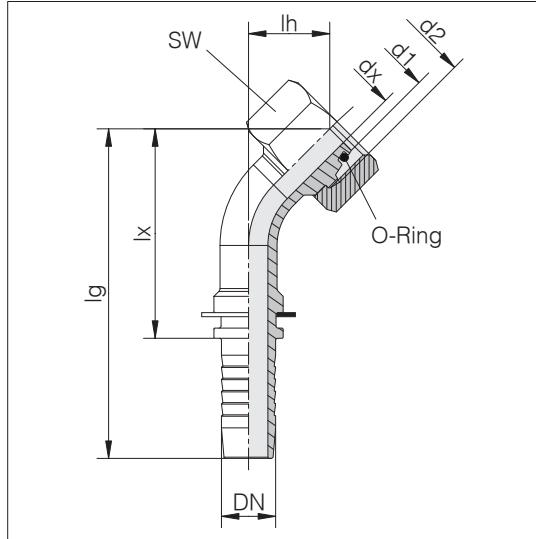
Series	tube size			d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
Tube OD d1	DN	Inch	Dash	metric								
L 42	31	1 1/4	-20	M 52 x 2	26	98.5	41	44	60	38 x 2,5	7004397600	HF/24-SWOS-L42-DN31
L 42	38	1 1/2	-24	M 52 x 2	32	102	41	44	60	38 x 2,5	7000038300	HF/24-SWOS-L42-DN38

## DKOL 45

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

Standard material of O-rings is FKM



Series	Tube OD	tube size DN	Inch	Dash	d2 metric	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
	5	3/16	-03	M 12 x 1.5	3	58	36	16.5	14	4 x 1,5	7000044800	HF/24-SWOE45-L6-DN05	
L 6	6	1/4	-04	M 12 x 1.5	3	66	38	19.5	14	4 x 1,5	7002210100	HF/24-SWOE45-L6-DN06 <sup>3)</sup>	
L 8	6	1/4	-04	M 14 x 1.5	4	65	37	17.5	17	6 x 1,5	7000040900	HF/24-SWOE45-L8-DN06	
L 8	8	5/16	-05	M 14 x 1.5	4	71.5	43.5	21.5	17	6 x 1,5	7002210200	HF/24-SWOE45-L8-DN08	
L 10	6	1/4	-04	M 16 x 1.5	4	65	37	18	19	7,5 x 1,5	7000041000	HF/24-SWOE45-L10-DN06	
L 10	8	5/16	-05	M 16 x 1.5	5.5	67.5	39.5	17.5	19	7,5 x 1,5	7000041200	HF/24-SWOE45-L10-DN08	
L 10	10	3/8	-06	M 16 x 1.5	6	77.5	48	23.5	19	7,5 x 1,5	7000041400	HF/24-SWOE45-L10-DN10 <sup>3)</sup>	
L 12	6	1/4	-04	M 18 x 1.5	4	66.5	38.5	19	22	9 x 1,5	7002209600	HF/24-SWOE45-L12-DN06	
L 12	8	5/16	-05	M 18 x 1.5	5.5	69	41	19	22	9 x 1,5	7004122100	HF/24-SWOE45-L12-DN08	
L 12	10	3/8	-06	M 18 x 1.5	7	74	44.5	20	22	9 x 1,5	7000041500	HF/24-SWOE45-L12-DN10	
L 15	10	3/8	-06	M 22 x 1.5	7	73.5	44	20.5	27	12 x 2	7002209700	HF/24-SWOE45-L15-DN10	
L 15	12	1/2	-08	M 22 x 1.5	9.5	80	50.5	21.5	27	12 x 2	7000041700	HF/24-SWOE45-L15-DN12	
L 15	16	5/8	-10	M 22 x 1.5	9.5	100	66	29	27	12 x 2	7004396400	HF/24-SWOE45-L15-DN16	
L 18	12	1/2	-08	M 26 x 1.5	9.5	81.5	52	22	32	15 x 2	7002209800	HF/24-SWOE45-L18-DN12	
L 18	16	5/8	-10	M 26 x 1.5	12.5	95	61	24.5	32	15 x 2	7000041900	HF/24-SWOE45-L18-DN16	
L 22	16	5/8	-10	M 30 x 2	12.5	96	62	26.5	36	20 x 2	7002209900	HF/24-SWOE45-L22-DN16	
L 22	19	3/4	-12	M 30 x 2	15	107.5	68.5	26.5	36	20 x 2	7000042200	HF/24-SWOE45-L22-DN19	
L 28	19	3/4	-12	M 36 x 2	15	109.5	70.5	30	41	26 x 2	7002210000	HF/24-SWOE45-L28-DN19	
L 28	25	1	-16	M 36 x 2	19.5	132.5	85.5	30	41	26 x 2	7000042300	HF/24-SWOE45-L28-DN25	
L 28	31	1 1/4	-20	M 36 x 2	22	163.5	109	41	41	26 x 2	7004397000	HF/24-SWOE45-L28-DN31	
L 35	31	1 1/4	-20	M 45 x 2	26	160	105.5	37.5	50	32 x 2,5	7000042400	HF/24-SWOE45-L35-DN31	
L 42	38	1 1/2	-24	M 52 x 2	32	181	123	43.5	60	38 x 2,5	7000042500	HF/24-SWOE45-L42-DN38	

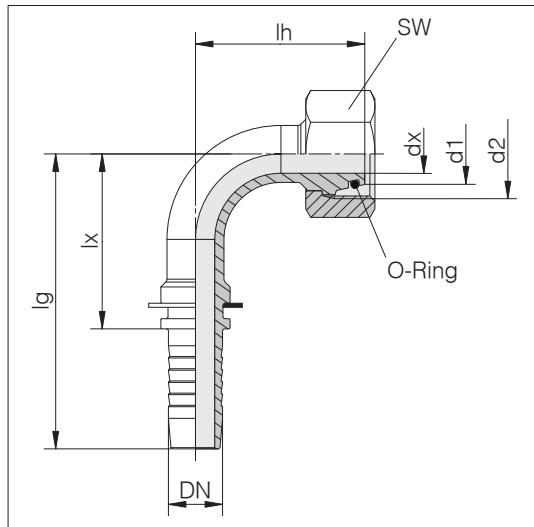
<sup>3)</sup> Crimped screwcap

## DKOL 90

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

Standard material of O-rings is FKM



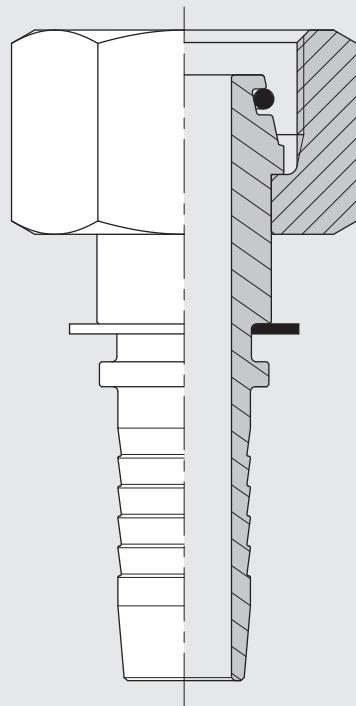
Series	Tube OD	tube size DN	tube size Inch	Dash	d2 metric	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
L 6	5	3/16	-03		M 12 x 1.5	3	49.5	27.5	31	14	4 x 1,5	7000040600	HF/24-SWOE-L6-DN05
L 6	6	1/4	-04		M 12 x 1.5	3	55	27	37.5	14	4 x 1,5	7000045000	HF/24-SWOE-L6-DN06
L 8	6	1/4	-04		M 14 x 1.5	4	55	27	33.5	17	6 x 1,5	7000045100	HF/24-SWOE-L8-DN06
L 8	8	5/16	-05		M 14 x 1.5	4	57	29	39	17	6 x 1,5	7002211100	HF/24-SWOE-L8-DN08
L 10	6	1/4	-04		M 16 x 1.5	4	55	27	34	19	7,5 x 1,5	7000220800	HF/24-SWOE-L10-DN06
L 10	8	5/16	-05		M 16 x 1.5	5.5	57	29	33.5	19	7,5 x 1,5	7000045400	HF/24-SWOE-L10-DN08
L 10	10	3/8	-06		M 16 x 1.5	6	65	35.5	42.5	19	7,5 x 1,5	7000045600	HF/24-SWOE-L10-DN10
L 12	6	1/4	-04		M 18 x 1.5	4	55.5	27.5	35	22	9 x 1,5	7002210600	HF/24-SWOE-L12-DN06
L 12	8	5/16	-05		M 18 x 1.5	5.5	58	30	35	22	9 x 1,5	7000045500	HF/24-SWOE-L12-DN08
L 12	10	3/8	-06		M 18 x 1.5	7	65	35.5	37	22	9 x 1,5	7000045700	HF/24-SWOE-L12-DN10
L 12	12	1/2	-08		M 18 x 1.5	7.5	71	41.5	48.5	22	9 x 1,5	7004392600	HF/24-SWOE-L12-DN12
L 15	10	3/8	-06		M 22 x 1.5	7	64	34.5	38	27	12 x 2	7002210700	HF/24-SWOE-L15-DIN10
L 15	12	1/2	-08		M 22 x 1.5	9.5	71.5	42	43	27	12 x 2	7000045900	HF/24-SWOE-L15-DN12
L 15	16	5/8	-10		M 22 x 1.5	9.5	87	53	56.5	27	12 x 2	7004704300	HF/24-SWOE-L15-DN16
L 18	12	1/2	-08		M 26 x 1.5	9.5	71.5	42	43	32	15 x 2	7002210800	HF/24-SWOE-L18-DN12
L 18	16	5/8	-10		M 26 x 1.5	12.5	87	53	50.5	32	15 x 2	7000046100	HF/24-SWOE-L18-DN16
L 18	19	3/4	-12		M 26 x 1.5	12.5	99.5	60.5	61	32	15 x 2	7004395100	HF/24-SWOE-L18-DN19
L 22	16	5/8	-10		M 30 x 2	12.5	86	52	53	36	20 x 2	7002210900	HF/24-SWOE-L22-DN16
L 22	19	3/4	-12		M 30 x 2	15	99	60	55	36	20 x 2	7000046400	HF/24-SWOE-L22-DN19
L 22	25	1 1/4	-16		M 30 x 2	16	126.5	79.5	74	36	20 x 2	7004393000	HF/24-SWOE-L22-DN25
L 28	19	3/4	-12		M 36 x 2	15	99	60	59.5	41	26 x 2	7002211000	HF/24-SWOE-L28-DN19
L 28	25	1	-16		M 36 x 2	19.5	127	80	67	41	26 x 2	7000046500	HF/24-SWOE-L28-DN25
L 35	31	1 1/4	-20		M 45 x 2	26	153	98.5	81	50	32 x 2,5	7000046600	HF/24-SWOE-L35-DN31
L 35	38	1 1/2	-24		M 45 x 2	28	171	113	104	50	32 x 2,5	7004395700	HF/24-SWOE-L35-DN38
L 42	38	1 1/2	-24		M 52 x 2	32	170	112	99	60	38 x 2,5	7000046700	HF/24-SWOE-L42-DN38

<sup>3)</sup> Crimped screwcap



## Hose fittings with 24° taper Series S

3

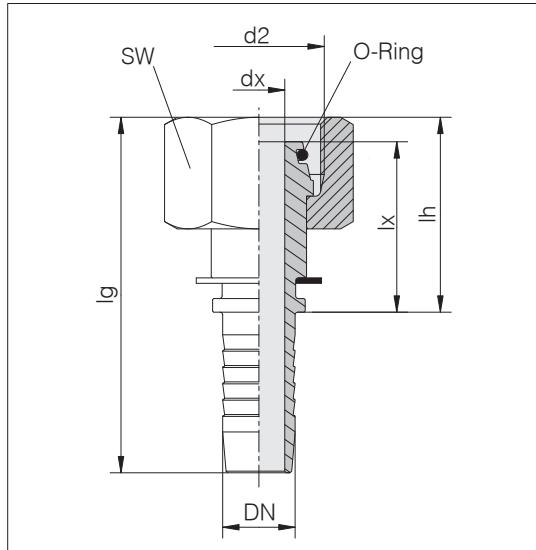


## DKOS

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

Standard material of O-rings is FKM



Series	Tube OD	tube size DN	Inch	Dash	d2 metric	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
d1													
S 6	6	1/4	-04	M 14 x 1.5	2.5	52.5	22.5	24.5	17	4 x 1,5	7002212800	HF/24-SWOS-S6-DN06	
S 8	5	3/16	-03	M 16 x 1.5	3	50	25.5	28	19	6 x 1,5	7000038500	HF/24-SWOS-S8-DN05	
S 8	6	1/4	-04	M 16 x 1.5	4	55.5	26	27.5	19	6 x 1,5	7000038700	HF/24-SWOS-S8-DN06	
S 10	6	1/4	-04	M 18 x 1.5	4	58	27.5	30	22	7.5 x 1,5	7000038800	HF/24-SWOS-S10-DN06	
S 10	8	5/16	-05	M 18 x 1.5	5.5	57.5	27.5	29.5	22	7.5 x 1,5	7002212300	HF/24-SWOS-S10-DN08	
S 10	10	3/8	-06	M 18 x 1.5	5.5	56	24.5	26.5	22	7.5 x 1,5	7002212400	HF/24-SWOS-S10-DN10	
S 12	6	1/4	-04	M 20 x 1.5	4	58	27.5	29.5	24	9 x 1,5	7002212500	HF/24-SWOS-S12-DN06	
S 12	8	5/16	-05	M 20 x 1.5	5.5	57	26.5	29	24	9 x 1,5	7000039100	HF/24-SWOS-S12-DN08	
S 12	10	3/8	-06	M 20 x 1.5	7	58.5	27.5	29	24	9 x 1,5	7000039300	HF/24-SWOS-S12-DN10	
S 12	12	1/2	-08	M 20 x 1.5	7.5	57	25.5	27.5	24	9 x 1,5	7002212600	HF/24-SWOS-S12-DN12	
S 14	10	3/8	-06	M 22 x 1.5	7	64.5	30.5	35	27	10 x 2	7000039400	HF/24-SWOS-S14-DN10	
S 14	12	1/2	-08	M 22 x 1.5	9.5	60	26	30.5	27	10 x 2	7002212700	HF/24-SWOS-S14-DN12	
S 16	10	3/8	-06	M 24 x 1.5	7	64	30.5	34.5	30	12 x 2	7004397900	HF/24-SWOS-S16-DN10	
S 16	12	1/2	-08	M 24 x 1.5	9.5	65	31.5	35.5	30	12 x 2	7000039600	HF/24-SWOS-S16-DN12	
S 16	16	5/8	-10	M 24 x 1.5	10	63	27.5	29	30	12 x 2	7004398000	HF/24-SWOS-S16-DN16	
S 20	16	5/8	-10	M 30 x 2	12.5	74.5	37.5	40.5	36	16.3 x 2,4	7000039700	HF/24-SWOS-S20-DN16	
S 20	19	3/4	-12	M 30 x 2	14	81	39	42	36	16.3 x 2,4	7000039800	HF/24-SWOS-S20-DN19	
S 25	19	3/4	-12	M 36 x 2	15	87	42	48	46	20,3 x 2,4	7000040000	HF/24-SWOS-S25-DN19	
S 25	25	1	-16	M 36 x 2	18	88.5	36	41.5	46	20,3 x 2,4	7000040100	HF/24-SWOS-S25-DN25 <sup>③</sup>	
S 30	25	1	-16	M 42 x 2	19.5	97.5	43	50.5	50	25,3 x 2,4	7000040200	HF/24-SWOS-S30-DN25	
S 38	31	1 1/4	-20	M 52 x 2	26	113.5	50	59	60	33,3 x 2,4	7000040400	HF/24-SWOS-S38-DN31	

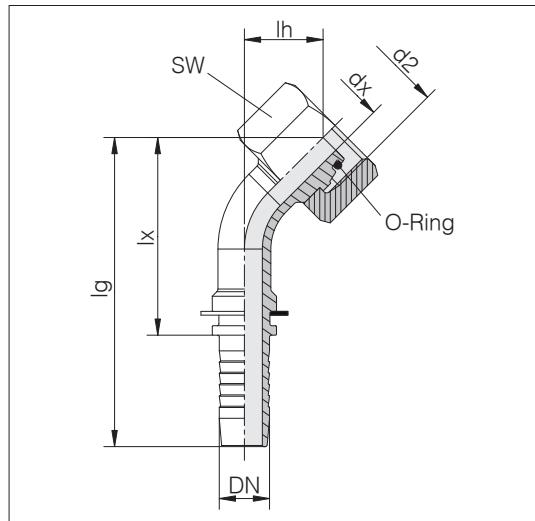
<sup>③</sup> Crimped screwcap

## DKOS 45

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

Standard material of O-rings is FKM



Series	tube size			d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
Tube OD	DN	Inch	Dash	metric								
d1												
S 6	6	1/4	-04	M 14 x 1.5	2.5	67.5	39.5	19	17	4 x 1,5	7002210500	HF/24-SWOE45-S6-DN06
S 8	5	3/16	-03	M 16 x 1.5	3	58.5	36.5	17	19	6 x 1,5	7000042700	HF/24-SWOE45-S8-DN05 <sup>2)</sup>
S 8	6	1/4	-04	M 16 x 1.5	4	65.5	37.5	18.5	19	6 x 1,5	7000042900	HF/24-SWOE45-S8-DN06
S 10	6	1/4	-04	M 18 x 1.5	4	65	37	18	22	7,5 x 1,5	7000043000	HF/24-SWOE45-S10-DN06
S 10	8	5/16	-05	M 18 x 1.5	5.5	67.5	39.5	18	22	7,5 x 1,5	7002210300	HF/24-SWOE45-S10-DN08
S 10	10	3/8	-06	M 18 x 1.5	5.5	76	46.5	24	22	7,5 x 1,5	7002210400	HF/24-SWOE45-S10-DN10
S 12	8	5/16	-05	M 20 x 1.5	5.5	69	41	19	24	9 x 1,5	7000043300	HF/24-SWOE45-S12-DN08
S 12	10	3/8	-06	M 20 x 1.5	7	75	45.5	21	24	9 x 1,5	7000043500	HF/24-SWOE45-S12-DN10
S 14	10	3/8	-06	M 22 x 1.5	7	75.5	46	21	27	10 x 2	7000043600	HF/24-SWOE45-S14-DN10
S 16	10	3/8	-06	M 24 x 1.5	7	76	46.5	22	30	12 x 2	7004398100	HF/24-SWOE45-S16-DN10
S 16	12	1/2	-08	M 24 x 1.5	9.5	81.5	52	23	30	12 x 2	7000043800	HF/24-SWOE45-S16-DN12
S 20	16	5/8	-10	M 30 x 2	12.5	98.5	64.5	28	36	16,3 x 2,4	7000043900	HF/24-SWOE45-S20-DN16
S 20	19	3/4	-12	M 30 x 2	14	110.5	71.5	29.5	36	16,3 x 2,4	7000044000	HF/24-SWOE45-S20-DN19
S 25	19	3/4	-12	M 36 x 2	15	110.5	71.5	29.5	46	20,3 x 2,4	7000044200	HF/24-SWOE45-S25-DN19
S 25	25	1	-16	M 36 x 2	18	142.5	95.5	40	46	20,3 x 2,4	7000044300	HF/24-SWOE45-S25-DN25 <sup>3)</sup>
S 30	25	1	-16	M 42 x 2	19.5	135	88	34	50	25,3 x 2,4	7000044400	HF/24-SWOE45-S30-DN25
S 38	31	1 1/4	-20	M 52 x 2	26	162	107.5	39.5	60	33,3 x 2,4	7000044600	HF/24-SWOE45-S38-DN31

<sup>3)</sup> Crimped screwcap

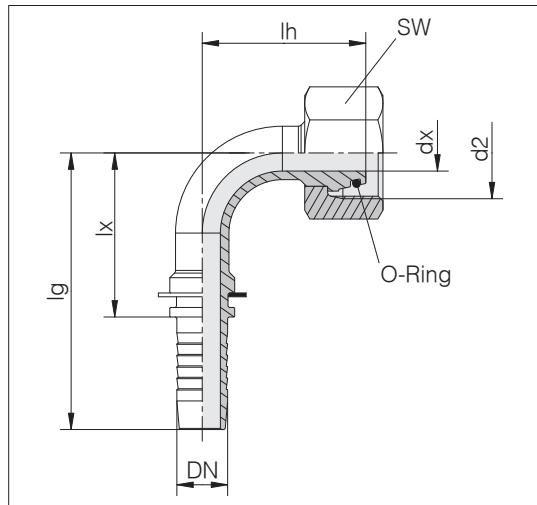
<sup>2)</sup> Special sizes only on request

## DKOS 90

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

Standard material of O-rings is FKM



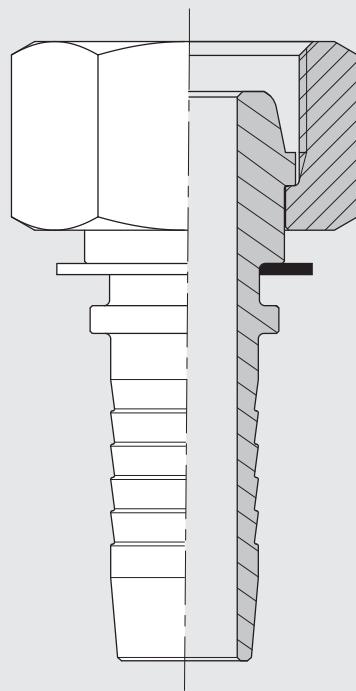
Series	Tube OD	Tube size	Inch	Dash	d2 metric	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
S 6	6	1/4	-04		M 14 x 1.5	2.5	57	29	35	17	4 x 1,5	7002211500	HF/24-SWOE-S6-DN06
S 8	5	3/16	-03		M 16 x 1.5	3	50	28	32	19	6 x 1,5	7000046900	HF/24-SWOE-S8-DN05 <sup>2)</sup>
S 8	6	1/4	-04		M 16 x 1.5	4	55	27	34	19	6 x 1,5	7000047100	HF/24-SWOE-S8-DN06
S 10	6	1/4	-04		M 18 x 1.5	4	55	27	34	22	7,5 x 1,5	7000047200	HF/24-SWOE-S10-DN06
S 10	8	5/16	-05		M 18 x 1.5	5.5	58	30	34	22	7,5 x 1,5	7002211200	HF/24-SWOE-S10-DN08
S 10	10	3/8	-06		M 18 x 1.5	5.5	63	33.5	43.5	22	7,5 x 1,5	7002211300	HF/24-SWOE-S10-DN10
S 12	6	1/4	-04		M 20 x 1.5	4	55	27	34.5	24	9 x 1,5	7002211400	HF/24-SWOE-S12-DN06
S 12	8	5/16	-05		M 20 x 1.5	5.5	58	30	35	24	9 x 1,5	7000047500	HF/24-SWOE-S12-DN08
S 12	10	3/8	-06		M 20 x 1.5	7	65	35.5	38.5	24	9 x 1,5	7000047700	HF/24-SWOE-S12-DN10
S 14	10	3/8	-06		M 22 x 1.5	7	65	35.5	39	27	10 x 2	7000047800	HF/24-SWOE-S14-DN10
S 16	12	1/2	-08		M 24 x 1.5	9.5	71.5	42	44.5	30	12 x 2	7000048000	HF/24-SWOE-S16-DN12
S 20	12	1/2	-08		M 30 x 2	9.5	71.5	42	50	36	16,3 x 2,4	7004398200	HF/24-SWOE-S20-DN12
S 20	16	5/8	-10		M 30 x 2	12.5	87.5	53.5	55.5	36	16,3 x 2,4	7000048100	HF/24-SWOE-S20-DN16
S 20	19	3/4	-12		M 30 x 2	14	99	60	59	36	16,3 x 2,4	7000048200	HF/24-SWOE-S20-DN19
S 25	19	3/4	-12		M 36 x 2	15	99	60	59.5	46	20,3 x 2,4	7000048400	HF/24-SWOE-S25-DN19
S 25	25	1	-16		M 36 x 2	18	125	78	81	46	20,3 x 2,4	7000048500	HF/24-SWOE-S25-DN25 <sup>3)</sup>
S 30	25	1	-16		M 42 x 2	19.5	125	78	70.5	50	25,3 x 2,4	7000048600	HF/24-SWOE-S30-DN25
S 38	31	1 1/4	-20		M 52 x 2	26	153	98.5	83.5	60	33,3 x 2,4	7000048800	HF/24-SWOE-S38-DN31

<sup>3)</sup> Crimped screwcap

<sup>2)</sup> Special sizes only on request

## Hose fittings with universal taper

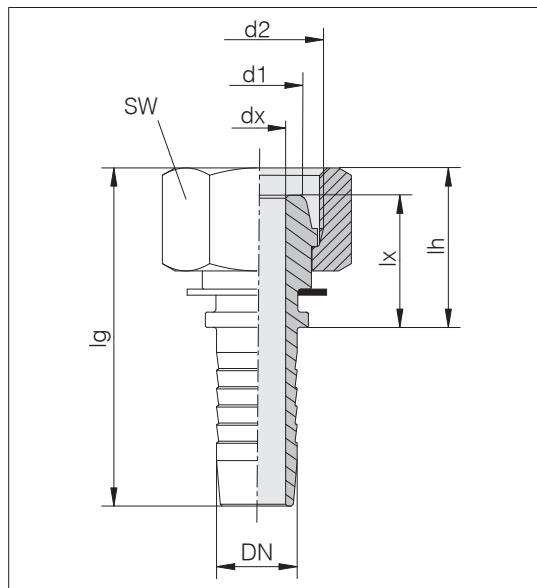
3



## DKM/L

Hose fittings with universal taper fitting in bore form W  
 DIN 3861/ISO 8434-1 and  
 bore form Y DIN 3863

DIN 3868:1982



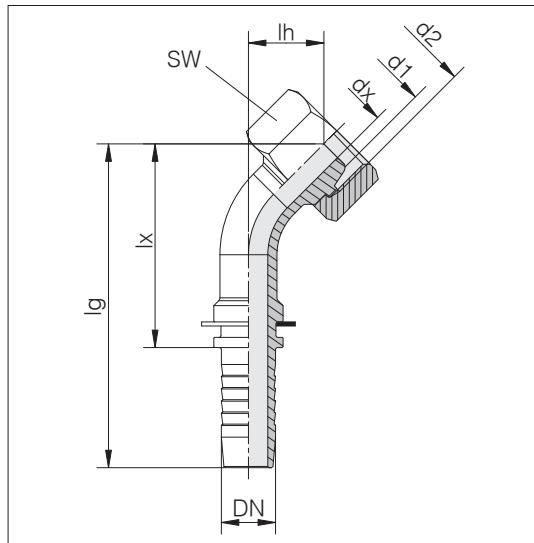
Series	Tube size			d2	dx	lg	lx	lh	SW	Order-No.	Designation
Tube OD	DN	Inch	Dash	metric							
d1				M 14 x 1.5	4	51	19.5	23	17	7000295200	HF/24/60-SWS-L8-DN06
L 8	6	1/4	-04	M 16 x 1.5	4	51	19.5	23	19	7000295300	HF/24/60-SWS-L10-DN06
L 10	8	5/16	-05	M 16 x 1.5	5.5	51.5	20	23.5	19	7000295400	HF/24/60-SWS-L10-DN08
L 10	10	3/8	-06	M 16 x 1.5	7	53.5	19.5	24	19	7000295500	HF/24/60-SWS-L10-DN10 <sup>3)</sup>
L 12	6	1/4	-04	M 18 x 1.5	4	53	20.5	25	22	7004401600	HF/24/60-SWS-L12-DN06
L 12	8	5/16	-05	M 18 x 1.5	5.5	53	20.5	25	22	7000295600	HF/24/60-SWS-L12-DN08
L 12	10	3/8	-06	M 18 x 1.5	7	54	20.5	24.5	22	7000295700	HF/24/60-SWS-L12-DN10
L 15	10	3/8	-06	M 22 x 1.5	7	55.5	21	26	27	7000295800	HF/24/60-SWS-L15-DN10
L 15	12	1/2	-08	M 22 x 1.5	9.5	56.5	22	27	27	7000295900	HF/24/60-SWS-L15-DN12
L 18	16	5/8	-10	M 26 x 1.5	12.5	63	24.5	29	32	7000296000	HF/24/60-SWS-L18-DN16

<sup>3)</sup> Crimped screwcap

## DKM/L 45

Hose fittings with universal taper fitting in bore form W  
 DIN 3861/ISO 8434-1 and  
 bore form Y DIN 3863

DIN 3868:1982



Series	tube size			d2	dx	lg	lx	lh	SW	Order-No.	Designation
Tube OD	DN	Inch	Dash	metric							
d1											
L 8	6	1/4	-04	M 14 x 1.5	4	62.5	34.5	14.5	17	7000297000	HF/24/60-SWE45-L8-DN06
L 10	6	1/4	-04	M 16 x 1.5	4	63	35	15.5	19	7000297100	HF/24/60-SWE45-L10-DN06 <sup>2)</sup>
L 10	8	5/16	-05	M 16 x 1.5	5.5	64.5	36.5	15	19	7000297200	HF/24/60-SWE45-L10-DN08 <sup>2)</sup>
L 10	10	3/8	-06	M 16 x 1.5	7	72.5	43	19.5	19	7000297300	HF/24/60-SWE45-L10-DN10 <sup>2)(3)</sup>
L 12	8	5/16	-05	M 18 x 1.5	5.5	65	37	15.5	22	7000297400	HF/24/60-SWE45-L12-DN08 <sup>2)</sup>
L 12	10	3/8	-06	M 18 x 1.5	7	71	41.5	18	22	7000297500	HF/24/60-SWE45-L12-DN10
L 15	10	3/8	-06	M 22 x 1.5	7	71.5	42	18.5	27	7000297600	HF/24/60-SWE45-L15-DN10 <sup>2)</sup>
L 15	12	1/2	-08	M 22 x 1.5	9.5	79.5	50	18.5	27	7000297700	HF/24/60-SWE45-L15-DN12
L 18	16	5/8	-10	M 26 x 1.5	12.5	95	61	24	32	7000297800	HF/24/60-SWE45-L18-DN16

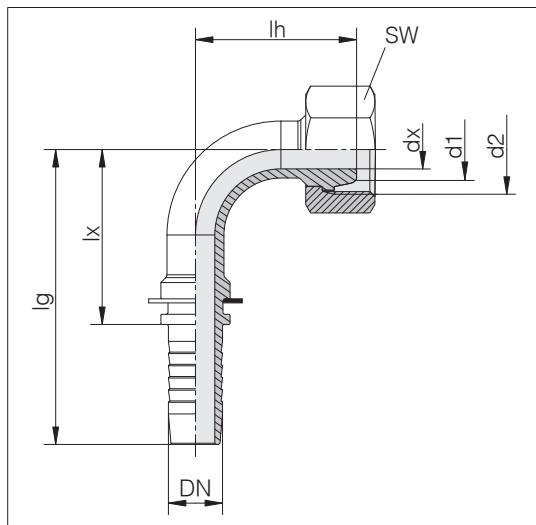
<sup>2)</sup> Special sizes only on request

<sup>3)</sup> Crimped screwcap

## DKM/L 90

Hose fittings with universal taper fitting in bore form W  
 DIN 3861/ISO 8434-1 and  
 bore form Y DIN 3863

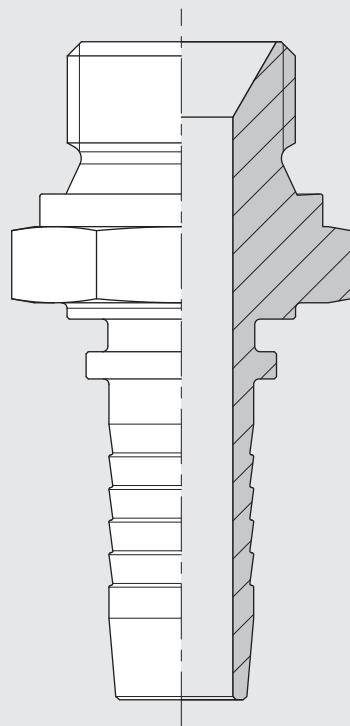
DIN 3868:1982



Series	Tube OD	tube size	Inch	Dash	d2 metric	dx	lg	lx	lh	SW	Order-No.	Designation
	Tube OD	DN										
L 8	6	1/4	-04		M 14 x 1.5	4	55	27	30	17	7000296100	HF/24/60-SWE-L8-DN06
L 10	6	1/4	-04		M 16 x 1.5	4	56	28	30	19	7000296200	HF/24/60-SWE-L10-DN06
L 10	8	5/16	-05		M 16 x 1.5	5.5	58	30	30	19	7000296300	HF/24/60-SWE-L10-DN08
L 10	10	3/8	-06		M 16 x 1.5	7	63	33.5	38	19	7000296400	HF/24/60-SWE-L10-DN10 <sup>3)</sup>
L 12	8	5/16	-05		M 18 x 1.5	5.5	58	30	30.5	22	7000296500	HF/24/60-SWE-L12-DN08
L 12	10	3/8	-06		M 18 x 1.5	7	64	34.5	35	22	7000296600	HF/24/60-SWE-L12-DN10
L 15	10	3/8	-06		M 22 x 1.5	7	64	34.5	35.5	27	7000296700	HF/24/60-SWE-L15-DN10
L 15	12	1/2	-08		M 22 x 1.5	9.5	71.5	42	39.5	27	7000296800	HF/24/60-SWE-L15-DN12
L 18	16	5/8	-10		M 26 x 1.5	12.5	88	54	49.5	32	7000296900	HF/24/60-SWE-L18-DN16

<sup>3)</sup> Crimped screwcap

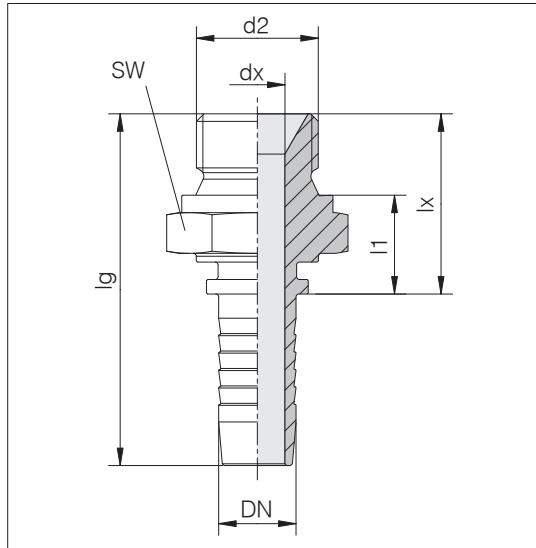
## Hose fittings with BSP thread



# AGR

Hose fittings with BSP thread and 60° cone, cylindrical

ISO 12151-6 (ISO 8434-6)

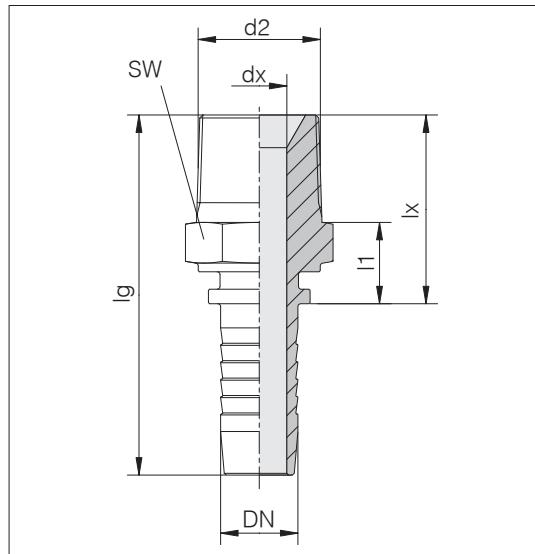


tube size DN	Inch	Dash	d2 BSP	dx	lx	lg	l1	SW	Order-No.	Designation
6	1/4	-04	G 1/8	4	20.5	48.5	12.5	14	7000311900	HF/60-S-5-DN06
6	1/4	-04	G 1/4	4	24	52	13	19	7000312000	HF/60-S-8-DN06
6	1/4	-04	G 3/8	4	26	54	14	22	7000312100	HF/60-S-10-DN06
6	1/4	-04	G 1/2	4	30.5	58.5	16.5	27	7002122500	HF/60-S-12-DN06
8	5/16	-05	G 1/4	5.5	24.5	52.5	13.5	19	7002121700	HF/60-S-8-DN08
8	5/16	-05	G 3/8	5.5	26	54	14	22	7000312200	HF/60-S-10-DN08
10	3/8	-06	G 1/4	7	24.5	54	13.5	19	7002121900	HF/60-S-8-DN10
10	3/8	-06	G 3/8	7	26	55.5	14	22	7000312300	HF/60-S-10-DN10
10	3/8	-06	G 1/2	7	30	59.5	16	27	7000312500	HF/60-S-12-DN10
12	1/2	-08	G 3/8	9.5	27	56.5	15	22	7000312400	HF/60-S-10-DN12
12	1/2	-08	G 1/2	9.5	31	60.5	17	27	7000312600	HF/60-S-12-DN12
12	1/2	-08	G 3/4	9.5	33	62.5	17	32	7000312900	HF/60-S-20-DN12
12	1/2	-08	G 5/8	9.5	33	62.5	17	30	7000312700	HF/60-S-16-DN12
16	5/8	-10	G 3/4	12.5	33	67	17	32	7000313000	HF/60-S-20-DN16
16	5/8	-10	G 5/8	12.5	33	67	17	30	7000312800	HF/60-S-16-DN16
19	3/4	-12	G 3/4	15	34.5	73.5	18.5	32	7000313100	HF/60-S-20-DN19
19	3/4	-12	G 1	15	39.5	78.5	20.5	41	7000313200	HF/60-S-25-DN19
25	1	-16	G 1	19.5	39.5	86.5	20.5	41	7000313300	HF/60-S-25-DN25
25	1	-16	G 1 1/4	19.5	40.5	87.5	20.5	50	7000313400	HF/60-S-32-DN25
31	1 1/4	-20	G 1 1/4	26	42.5	97	22.5	50	7000313500	HF/60-S-32-DN31
38	1 1/2	-24	G 1 1/2	32	45.5	103.5	23.5	55	7000313600	HF/60-S-38-DN38
51	2	-32	G 2	42	52	124.5	27	70	7000313700	HF/60-S-50-DN51

Can also be used as  
threaded stud in accordance with  
DIN 3852-2 Form A.

## AGR K

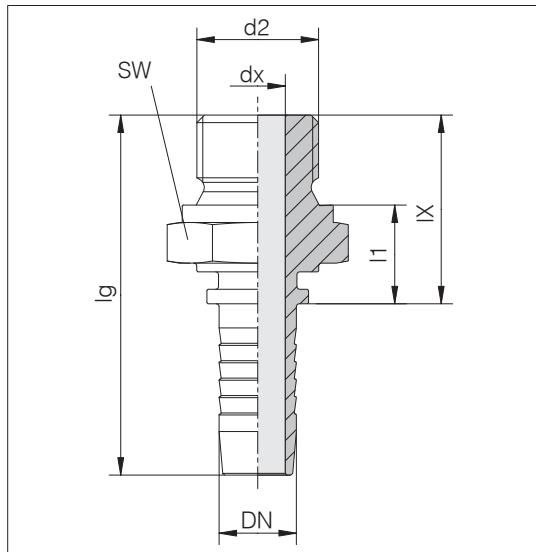
Hose fittings with BSP thread, tapered



tube size DN	Inch	Dash	d2 BSP	dx	lx	lg	I1	SW	Order-No.	Designation
5	3/16	-03	R 1/8	3	21	43	12	12	7000318000	HF/60-SDS-R1/8T-DN05
6	1/4	-04	R 1/8	4	21	49	12	12	7000318100	HF/60-SDS-R1/8T-DN06
6	1/4	-04	R 1/4	4	25.5	53.5	12	14	7000318200	HF/60-SDS-R1/4T-DN06
6	1/4	-04	R 3/8	4	26	54	12	19	7000318300	HF/60-SDS-R3/8T-DN06
8	5/16	-05	R 3/8	5.5	26	54	12	19	7000318400	HF/60-SDS-R3/8T-DN08
10	3/8	-06	R 3/8	7	27	56.5	13	19	7000318500	HF/60-SDS-R3/8T-DN10
10	3/8	-06	R 1/2	7	31.5	61	13	22	7000318600	HF/60-SDS-R1/2T-DN10
12	1/2	-08	R 1/2	9.5	32.5	62	14	22	7000318700	HF/60-SDS-R1/2T-DN12
16	5/8	-10	R 3/4	12.5	35	69	15	27	7000318800	HF/60-SDS-R3/4T-DN16
19	3/4	-12	R 3/4	15	37.5	76.5	17.5	27	7000318900	HF/60-SDS-R3/4T-DN19
19	3/4	-12	R 1	15	41.5	80.5	17.5	36	7000319000	HF/60-SDS-R1T-DN19
25	1	-16	R 1	19.5	41.5	88.5	17.5	36	7000319100	HF/60-SDS-R1T-DN25
25	1	-16	R 1 1/4	19.5	44.5	91.5	18.5	46	7000319200	HF/60-SDS-R11/4T-DN25
31	1 1/4	-20	R 1 1/4	26	46.5	101	20.5	46	7000319300	HF/60-SDS-R11/4T-DN31
38	1 1/2	-24	R 1 1/2	32	47.5	105.5	20.5	50	7000319400	HF/60-SDS-R11/2T-DN38
51	2	-32	R 2	42	55	127.5	24	65	7000319500	HF/60-SDS-R2T-DN51

## AGR F

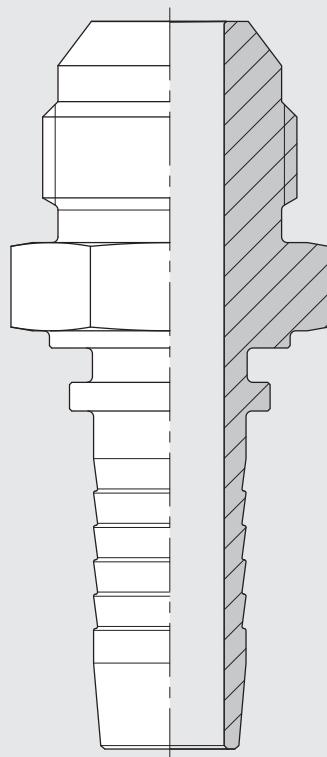
Hose fittings with BSP thread, flat sealing



tube size			d2	dx	lg	l1	SW	Order-No.	Designation	
DN	Inch	Dash	BSP							
6	1/4	-04	G 1/4	4	23.5	51.5	13	19	7000319600	HF/GP-SDS-G1/4A-DN06
10	3/8	-06	G 3/8	7	26.5	56	14	22	7000319700	HF/GP-SDS-G3/8A-DN10
10	3/8	-06	G 1/2	7	31.5	61	16	27	7000319800	HF/GP-SDS-G1/2A-DN10
12	1/2	-08	G 1/2	9.5	32.5	62	17	27	7000319900	HF/GP-SDS-G1/2A-DN12
19	3/4	-12	G 3/4	15	35	74	18.5	32	7000320000	HF/GP-SDS-G3/4A-DN19

Can also be used as  
threaded stud in accordance with  
DIN 3852-2 Form A.

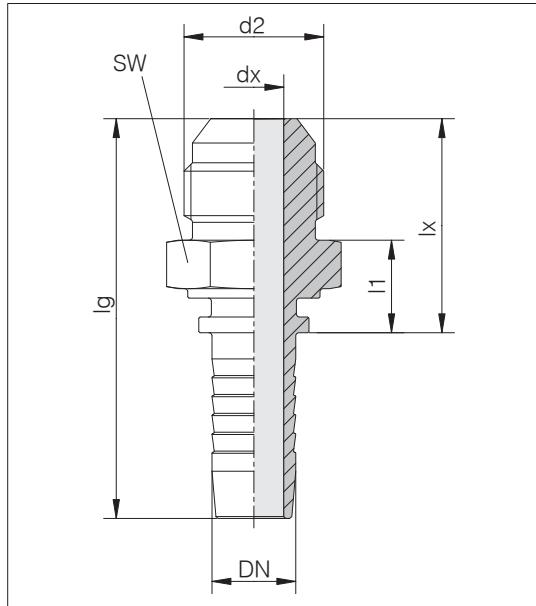
## Hose fittings with UN/UNF thread



# AGJ

Hose fittings with UN/UNF thread and 37° sealing cone (JIC)

ISO 12151-5 (ISO 8434-2)



tube size			d2	lg	dx	lx	I1	SW	Order-No.	Designation
DN	Inch	Dash	UN/UNF							
6	1/4	-04	7/16-20 UNF	53.5	4	25.5	11.5	14	7000313800	HF/37-S-6-DN06
6	1/4	-04	1/2-20 UNF	54	4	26	12	17	7000313900	HF/37-S-8-DN06
6	1/4	-04	9/16 - 18 UNF	53.5	4	25.5	11.5	17	7000314100	HF/37-S-10-DN06
8	5/16	-05	1/2-20 UNF	53.5	5.5	25.5	11.5	14	7000314000	HF/37-S-8-DN08
8	5/16	-05	9/16 - 18 UNF	53.5	5.5	25.5	11.5	19	7000314200	HF/37-S-10-DN08
10	3/8	-06	1/2-20 UNF	55.5	7	26	12	19	7002129000	HF/37-S-8-DN10
10	3/8	-06	9/16 - 18 UNF	55.5	7	26	12	19	7000314300	HF/37-S-10-DN10
10	3/8	-06	3/4-16 UNF	59	7	29.5	13	22	7000314400	HF/37-S-12-DN10
10	3/8	-06	7/8-14 UNF	62.5	7	33	14	24	7000314600	HF/37-S-16-DN10
12	1/2	-08	3/4-16 UNF	60	9.5	30.5	14	22	7000314500	HF/37-S-12-DN12
12	1/2	-08	7/8-14 UNF	63.5	9.5	34	14.5	24	7000314700	HF/37-S-16-DN12
12	1/2	-08	1 1/16-12 UN	67.5	9.5	38	16	27	7000314900	HF/37-S-20-DN12
16	5/8	-10	3/4-16 UNF	65.5	12.5	31.5	15	24	7002129700	HF/37-S-12-DN16
16	5/8	-10	7/8-14 UNF	68	12.5	34	14.5	24	7000314800	HF/37-S-16-DN16
16	5/8	-10	1 1/16-12 UN	72	12.5	38	16	32	7000315000	HF/37-S-20-DN16
19	3/4	-12	7/8-14 UNF	76.5	15	37.5	18	27	7002130200	HF/37-S-16-DN19
19	3/4	-12	1 1/16-12 UN	79	15	40	18	27	7000315100	HF/37-S-20-DN19
19	3/4	-12	1 3/16 - 12 UN	79.5	15	40.5	18	32	7002130800	HF/37-S-22-DN19
19	3/4	-12	1 5/16-12 UN	80	15	41	18	34	7000315300	HF/37-S-25-DN19
25	1	-16	1 1/16-12 UN	87	15	40	18	32	7000315200	HF/37-S-20-DN25
25	1	-16	1 5/16-12 UN	88.5	19.5	41.5	18.5	36	7000315400	HF/37-S-25-DN25
25	1	-16	1 5/8-12 UN	90	19.5	43	18.5	42	7000315500	HF/37-S-30-DN25
31	1 1/4	-20	1 5/8-12 UN	100.5	26	46	21.5	46	7000315600	HF/37-S-30-DN31
31	1 1/4	-20	1 7/8-12 UN	105	26	50.5	23	50	7000315700	HF/37-S-38-DN31
38	1 1/2	-24	1 7/8-12 UN	109	32	51	23.5	50	7000315800	HF/37-S-38-DN38
38	1 1/2	-24	2 1/2-12 UN	118.5	32	60.5	26.5	65	7002131600	HF/37-S-50-DN38

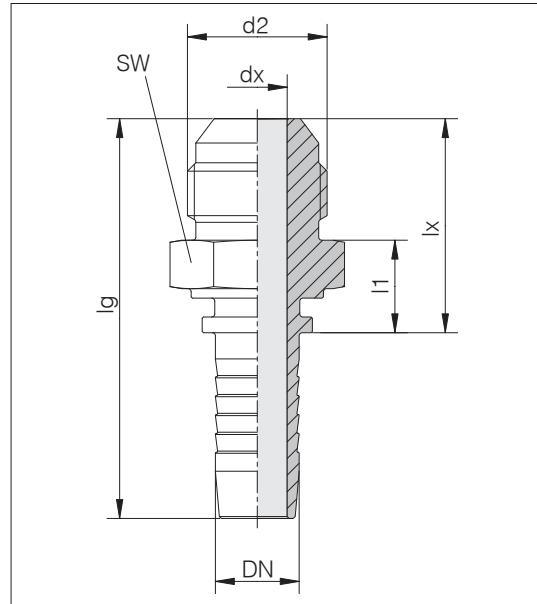
<sup>2)</sup> Special sizes only on request

Continued on following page

## AGJ

Hose fittings with UN/UNF thread and  
37° sealing cone (JIC)

ISO 12151-5 (ISO 8434-2)



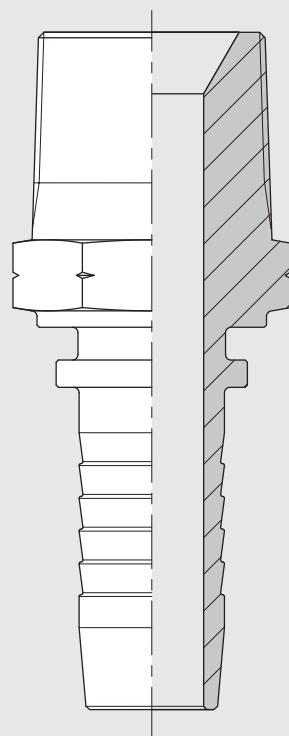
tube size			d2	lg	dx	lx	I1	SW	Order-No.	Designation	
DN	Inch	Dash	UN/UNF								
51	2	-32	2 1/2-12 UN	133.5	42	61	27	65	7000315900	HF/37-S-50-DN51	2)

<sup>2)</sup> Special sizes only on request



## Hose fittings with NPTF thread

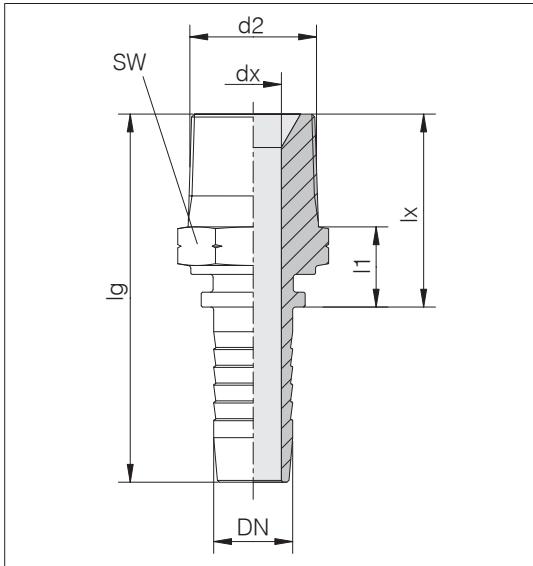
3



# AGN

Hose fittings with NPTF thread, tapered

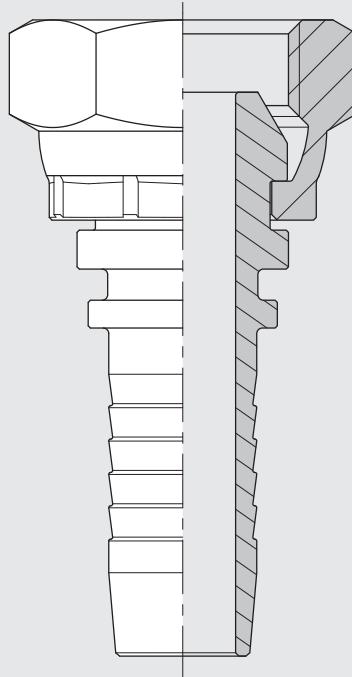
SAE J 516



tube size DN	Inch	Dash	d2 NPTF	dx	lx	lg	I1	SW	Order-No.	Designation
5	3/16	-03	1/8 NPTF	3	22	44	12	12	7000320100	HF/GP-SDS-NF1/8T-DN05
5	3/16	-03	1/4 NPTF	3	25.5	47.5	12	14	7002119200	HF/GP-SDS-NF1/4T-DN05
6	1/4	-04	1/8 NPTF	4	22	50	12	12	7000320200	HF/GP-SDS-NF1/8T-DN06
6	1/4	-04	1/4 NPTF	4	25.5	53.5	12	14	7000320300	HF/GP-SDS-NF1/4T-DN06
6	1/4	-04	3/8 NPTF	4	26	54	12	19	7000320500	HF/GP-SDS-NF3/8T-DN06
8	5/16	-05	3/8 NPTF	5.5	26	54	12	19	7000320600	HF/GP-SDS-NF3/8T-DN08
10	3/8	-06	1/4 NPTF	7	25.5	55	12	16	7000320400	HF/GP-SDS-NF1/4T-DN10
10	3/8	-06	3/8 NPTF	7	27	56.5	13	19	7000320700	HF/GP-SDS-NF3/8T-DN10
10	3/8	-06	1/2 NPTF	7	31.5	61	13	22	7000320900	HF/GP-SDS-NF1/2T-DN10
12	1/2	-08	3/8 NPTF	9.5	28	57.5	14	19	7000320800	HF/GP-SDS-NF3/8T-DN12
12	1/2	-08	3/4 NPTF	9.5	35	64.5	16	27	7000321200	HF/GP-SDS-NF3/4T-DN12
12	1/2	-08	1/2 NPTF	9.5	32.5	62	13.5	22	7000321000	HF/GP-SDS-NF1/2T-DN12
16	5/8	-10	3/4 NPTF	12.5	35	69	16	27	7002120400	HF/GP-SDS-NF3/4T-DN16
16	5/8	-10	1/2 NPTF	12.5	34	68	15	24	7000321100	HF/GP-SDS-NF1/2T-DN16
19	3/4	-12	3/4 NPTF	15	37.5	76.5	17.5	27	7000321300	HF/GP-SDS-NF3/4T-DN19
19	3/4	-12	1 NPTF	15	41.5	80.5	17.5	36	7000321400	HF/GP-SDS-NF1T-DN19
25	1	-16	3/4 NPTF	19.5	36.5	83.5	17.5	32	7002120700	HF/GP-SDS-NF3/4T-DN25
25	1	-16	1 NPTF	19.5	41.5	88.5	17.5	36	7000321500	HF/GP-SDS-NF1T-DN25
25	1	-16	1 1/4 NPTF	19.5	44.5	91.5	18.5	46	7000321600	HF/GP-SDS-NF11/4T-DN25 <sup>2)</sup>
31	1 1/4	-20	1 1/4 NPTF	26	46.5	101	20.5	46	7000321700	HF/GP-SDS-NF11/4T-DN31
38	1 1/2	-24	1 1/2 NPTF	32	47.5	105.5	20.5	50	7000321800	HF/GP-SDS-NF11/2T-DN38
51	2	-32	2 NPTF	42	55	127.5	24	65	7000321900	HF/GP-SDS-NF2T-DN51

<sup>2)</sup> Special sizes only on request

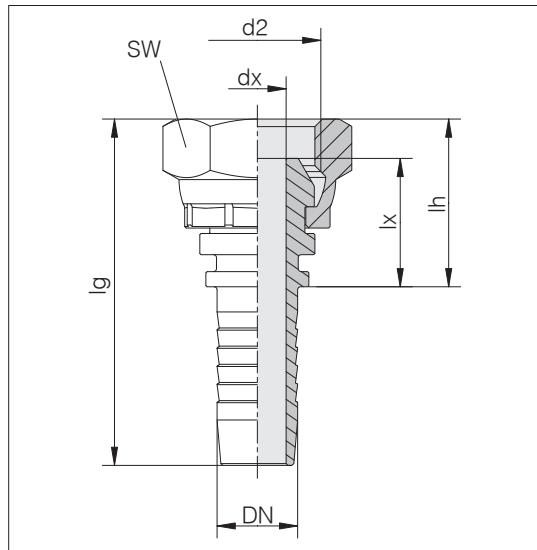
## Hose fittings with BSP thread and 60° taper



## DKR

Hose fittings with BSP thread and 60° taper

ISO 12151-6 (ISO 8434-6)



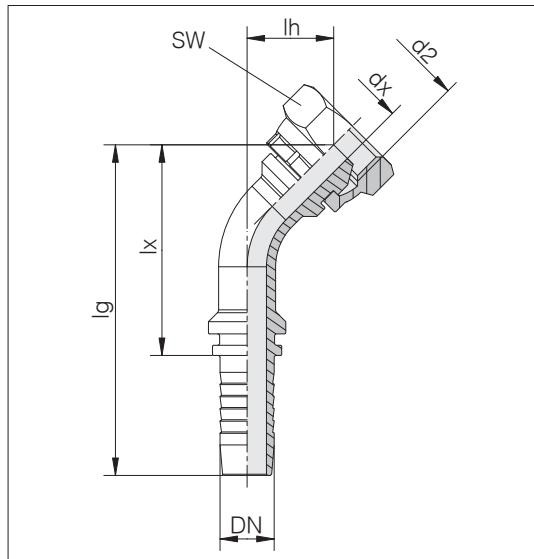
tube size			d2	dx	lg	lx	lh	SW	Order-No.	Designation
DN	Inch	Dash	BSP							
5	3/16	-03	G 1/8	3	41.5	15.5	19.5	14	7000276800	HF/60-SWS-5-DN05 ③)
5	3/16	-03	G 1/4	3	42.5	15.5	20.5	19	7000277000	HF/60-SWS-8-DN05
6	1/4	-04	G 1/8	3	47.5	15.5	19.5	14	7000276900	HF/60-SWS-5-DN06 ③)
6	1/4	-04	G 1/4	4	49.5	16.5	21.5	19	7000277100	HF/60-SWS-8-DN06
6	1/4	-04	G 3/8	4	53	19	25	22	7000277300	HF/60-SWS-10-DN06
6	1/4	-04	G 1/2	4	53.5	20	25.5	27	7002132500	HF/60-SWS-12-DN06
8	5/16	-05	G 1/4	5.5	50	16.5	22	19	7000277200	HF/60-SWS-8-DN08 ③)
8	5/16	-05	G 3/8	5.5	53	19	25	22	7000277400	HF/60-SWS-10-DN08
10	3/8	-06	G 1/4	7	52.5	17.5	23	19	7002132400	HF/60-SWS-8-DN10 ③)
10	3/8	-06	G 3/8	7	54.5	19	25	22	7000277500	HF/60-SWS-10-DN10
10	3/8	-06	G 1/2	7	56.5	20.5	27	27	7000277700	HF/60-SWS-12-DN10
12	1/2	-08	G 3/8	7	54	18.5	24.5	22	7000277600	HF/60-SWS-10-DN12 ③)
12	1/2	-08	G 1/2	9.5	57.5	21.5	28	27	7000277800	HF/60-SWS-12-DN12
12	1/2	-08	G 3/4	9.5	60.5	22	31.5	32	7000278100	HF/60-SWS-20-DN12 ③)
12	1/2	-08	G 5/8	9.5	59	20	29.5	30	7000277900	HF/60-SWS-16-DN12 ③)
16	5/8	-10	G 1/2	9.5	64	24	30	27	7004132400	HF/60-SWS-12-DN16
16	5/8	-10	G 3/4	12.5	65.5	22.5	32	32	7000278200	HF/60-SWS-20-DN16 ③)
16	5/8	-10	G 5/8	12.5	64	20	29.5	30	7000278000	HF/60-SWS-16-DN16 ③)
19	3/4	-12	G 3/4	15	73	24.5	34	32	7000278300	HF/60-SWS-20-DN19 ③)
19	3/4	-12	G 1	15	78.5	28.5	39.5	38	7000278400	HF/60-SWS-25-DN19 ③)
25	1	-16	G 1	19.5	86.5	28.5	39.5	38	7000278500	HF/60-SWS-25-DN25 ③)

③) Crimped screwcap

## DKR 45

Hose fittings with BSP thread and 60° taper

ISO 12151-6 (ISO 8434-6)



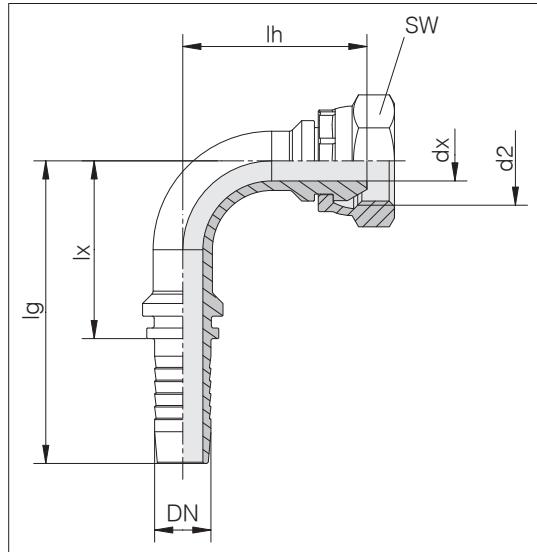
tube size			d2	dx	lg	lx	lh	SW	Order-No.	Designation
DN	Inch	Dash	BSP							
5	3/16	-03	G 1/8	3	54	32	14	14	7000280100	HF/60-SWE45-5-DN05 <sup>3)</sup>
6	1/4	-04	G 1/8	3	62.5	34.5	14	14	7000280200	HF/60-SWE45-5-DN06 <sup>3)</sup>
6	1/4	-04	G 1/4	4	60.5	32.5	12.5	19	7000280300	HF/60-SWE45-8-DN06
6	1/4	-04	G 3/8	4	62	34	14	22	7000280400	HF/60-SWE45-10-DN06
8	5/16	-05	G 1/4	5.5	65	37	16.5	19	7002132900	HF/60-SWE45-8-DN08 <sup>3)</sup>
8	5/16	-05	G 3/8	5.5	64	36	14.5	22	7000280500	HF/60-SWE45-10-DN08
10	3/8	-06	G 3/8	7	69.5	40	16.5	22	7000280600	HF/60-SWE45-10-DN10
10	3/8	-06	G 1/2	7	70.5	41	17.5	27	7000280700	HF/60-SWE45-12-DN10
12	1/2	-08	G 1/2	9.5	78.5	49	18	27	7000280800	HF/60-SWE45-12-DN12
12	1/2	-08	G 3/4	9.5	83.5	54	23.5	32	7000281100	HF/60-SWE45-20-DN12 <sup>3)</sup>
12	1/2	-08	G 5/8	9.5	80.5	51	20.5	30	7000280900	HF/60-SWE45-16-DN12 <sup>3)</sup>
16	5/8	-10	G 3/4	12.5	98	64	27	32	7000281200	HF/60-SWE45-20-DN16 <sup>3)</sup>
16	5/8	-10	G 5/8	12.5	96	62	24.5	30	7000281000	HF/60-SWE45-16-DN16 <sup>3)</sup>
19	3/4	-12	G 3/4	15	109	70	29.5	32	7000281300	HF/60-SWE45-20-DN19 <sup>3)</sup>
19	3/4	-12	G 1	15	111	72	31.5	38	7000281400	HF/60-SWE45-25-DN19 <sup>3)</sup>
25	1	-16	G 1	19.5	137	90	35	38	7000281500	HF/60-SWE45-25-DN25 <sup>3)</sup>

<sup>3)</sup> Crimped screwcap

## DKR 90

Hose fittings with BSP thread and  
60° taper

ISO 12151-6 (ISO 8434-6)

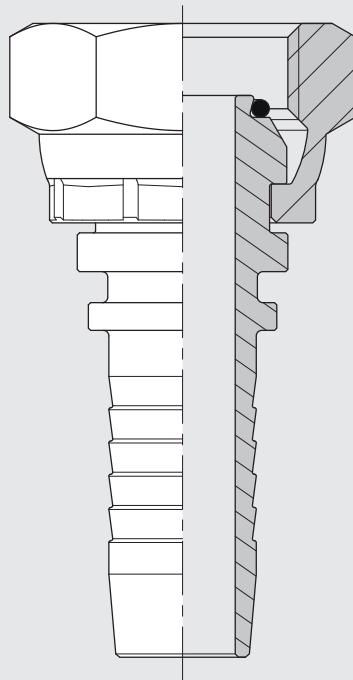


tube size			$d_2$	$dx$	$lg$	$lx$	$lh$	$SW$	Order-No.	Designation
DN	Inch	Dash	BSP							
5	3/16	-03	G 1/8	3	47.5	25.5	27.5	14	7000278600	HF/60-SWE-5-DN05 ③)
6	1/4	-04	G 1/8	3	57	29	27.5	14	7000278700	HF/60-SWE-5-DN06 ③)
6	1/4	-04	G 1/4	4	55	27	27	19	7000278800	HF/60-SWE-8-DN06
6	1/4	-04	G 3/8	4	55	27	29	22	7000278900	HF/60-SWE-10-DN06
8	5/16	-05	G 1/4	5.5	57.5	29.5	31.5	19	7002132600	HF/60-SWE-8-DN08 ③)
8	5/16	-05	G 3/8	5.5	58	30	29	22	7000279000	HF/60-SWE-10-DN08
10	3/8	-06	G 3/8	7	64	34.5	33	22	7000279100	HF/60-SWE-10-DN10
10	3/8	-06	G 1/2	7	64	34.5	34	27	7000279200	HF/60-SWE-12-DN10
12	1/2	-08	G 3/8	9.5	71.5	42	42.5	22	7002132700	HF/60-SWE-10-DN12 ③)
12	1/2	-08	G 1/2	9.5	69	39.5	41	27	7000279300	HF/60-SWE-12-DN12
12	1/2	-08	G 3/4	9.5	71.5	42	46.5	32	7000279600	HF/60-SWE-20-DN12 ③)
12	1/2	-08	G 5/8	9.5	71.5	42	42.5	30	7000279400	HF/60-SWE-16-DN12 ③)
16	5/8	-10	G 3/4	12.5	87	53	56	32	7000279700	HF/60-SWE-20-DN16 ③)
16	5/8	-10	G 5/8	12.5	87	53	52.5	30	7000279500	HF/60-SWE-16-DN16 ③)
19	3/4	-12	G 3/4	15	96	57	60	32	7000279800	HF/60-SWE-20-DN19 ③)
19	3/4	-12	G 1	15	99	60	62	38	7000279900	HF/60-SWE-25-DN19 ③)
25	1	-16	G 1	19.5	119	72	78	38	7000280000	HF/60-SWE-25-DN25 ③)

③) Crimped screwcap

## Hose fittings with BSP thread and 60° taper O-ring

3

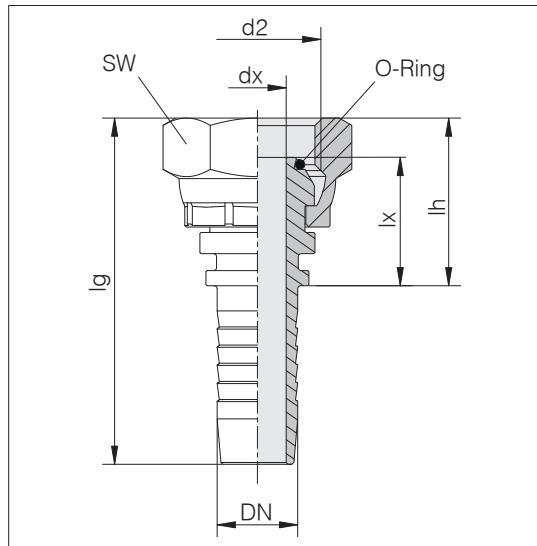


## DKOR

Hose fittings with BSP thread and  
60° taper O-Ring

ISO 12151-1 (ISO 8434-6)

Standard material of O-rings is NBR



tube size			d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
DN	Inch	Dash	BSP								
6	1/4	-04	G 1/4	4	49.5	16.5	21.5	19	6 x 1	7000281600	HF/60-SWOS-8-DN06
10	3/8	-06	G 3/8	7	54.5	19	25	22	8,1 x 1,6	7000281700	HF/60-SWOS-10-DN10
12	1/2	-08	G 1/2	9.5	57.5	21.5	28	27	12,1 x 1,6	7000281800	HF/60-SWOS-12-DN12
16	5/8	-10	G 5/8	12.5	64	20	29.5	30	13,1 x 1,6	7000281900	HF/60-SWOS-16-DN16 <sup>2) 3)</sup>
19	3/4	-12	G 3/4	15	73	24.5	34	32	17,1 x 1,6	7000282000	HF/60-SWOS-20-DN19 <sup>3)</sup>
25	1	-16	G 1	19.5	86.5	28.5	38.5	38	22,1 x 1,6	7000282100	HF/60-SWOS-25-DN25 <sup>3)</sup>
25	1	-16	G 1 1/4	19.5	88	31	41	50	29,1 x 1,6	7000282200	HF/60-SWOS-32-DN25
31	1 1/4	-20	G 1 1/4	26	97.5	32.5	43	50	29,1 x 1,6	7000282300	HF/60-SWOS-32-DN31 <sup>3)</sup>
31	1 1/4	-20	G 1 1/2	26	101	34	46.5	55	35,1 x 1,6	7000282400	HF/60-SWOS-38-DN31 <sup>2) 3)</sup>
38	1 1/2	-24	G 1 1/2	32	104.5	34	46.5	55	35,1 x 1,6	7000282500	HF/60-SWOS-38-DN38 <sup>3)</sup>
38	1 1/2	-24	G 2	32	113	39	55	70	48,1 x 1,6	7000282600	HF/60-SWOS-50-DN38 <sup>2) 3)</sup>
51	2	-32	G 2	42	126	37.5	53.5	70	48,1 x 1,6	7000282700	HF/60-SWOS-50-DN51 <sup>3)</sup>

<sup>3)</sup> Crimped screwcap

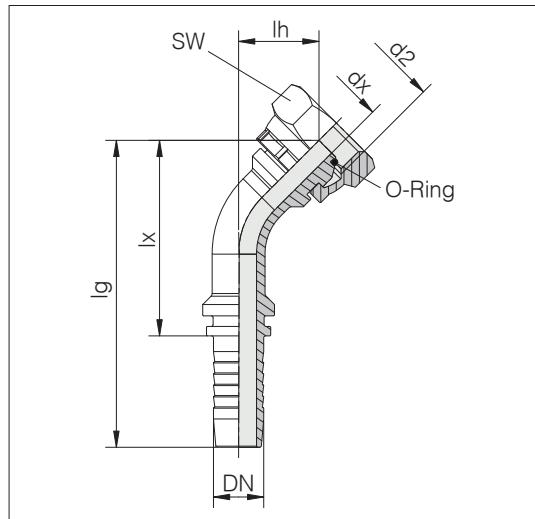
<sup>2)</sup> Special sizes only on request

## DKOR 45

Hose fittings with BSP thread and  
60° taper O-Ring

ISO 12151-1 (ISO 8434-6)

Standard material of O-rings is NBR



tube size DN	Inch	Dash	d2 BSP	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
6	1/4	-04	G 1/4	4	60.5	32.5	12.5	19	6 x 1	7000283900	HF/60-SWOE45-8-DN06
10	3/8	-06	G 3/8	7	69.5	40	16.5	22	8,1 x 1,6	7000284000	HF/60-SWOE45-10-DN10
12	1/2	-08	G 1/2	9.5	78.5	49	17.5	27	12,1 x 1,6	7000284100	HF/60-SWOE45-12-DN12
16	5/8	-10	G 5/8	12.5	96	62	24.5	30	13,1 x 1,6	7000284200	HF/60-SWOE45-16-DN16 <sup>2)③</sup>
19	3/4	-12	G 3/4	15	108	69	28.5	32	17,1 x 1,6	7000284300	HF/60-SWOE45-20-DN19 <sup>2)③</sup>
25	1	-16	G 1	19.5	137	90	35	38	22,1 x 1,6	7000284400	HF/60-SWOE45-25-DN25 <sup>2)③</sup>
25	1	-16	G 1 1/4	19.5	134.5	87.5	32	50	29,1 x 1,6	7000284500	HF/60-SWOE45-32-DN25 <sup>2)</sup>
31	1 1/4	-20	G 1 1/4	26	165	110.5	45.5	50	29,1 x 1,6	7000284600	HF/60-SWOE45-32-DN31 <sup>③)</sup>
31	1 1/4	-20	G 1 1/2	26	165	110.5	45	55	35,1 x 1,6	7000284700	HF/60-SWOE45-38-DN31 <sup>2)③</sup>
38	1 1/2	-24	G 1 1/2	32	187.5	129.5	49.5	55	35,1 x 1,6	7000284800	HF/60-SWOE45-38-DN38 <sup>③)</sup>
38	1 1/2	-24	G 2	32	189.5	131.5	51.5	70	48,1 x 1,6	7000284900	HF/60-SWOE45-50-DN38 <sup>2)③</sup>
51	2	-32	G 2	42	231.5	159	67	70	48,1 x 1,6	7000285000	HF/60-SWOE45-50-DN51 <sup>③)</sup>

<sup>③)</sup> Crimped screwcap

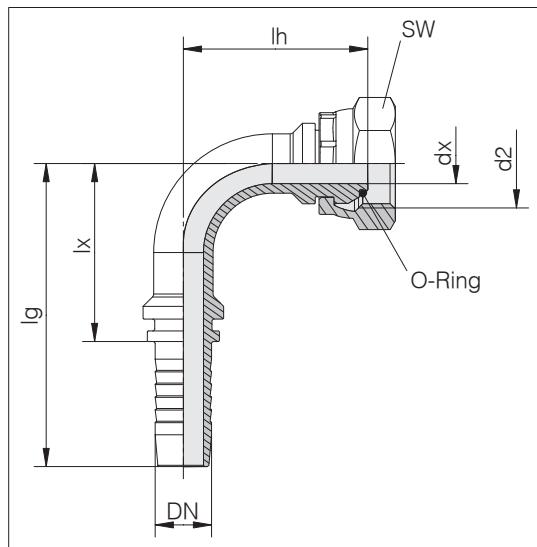
<sup>2)</sup> Special sizes only on request

## DKOR 90

Hose fittings with BSP thread and  
60° taper O-Ring

ISO 12151-1 (ISO 8434-6)

Standard material of O-rings is NBR



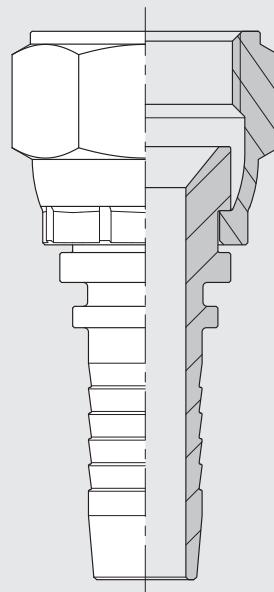
tube size			d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
DN	Inch	Dash	BSP								
6	1/4	-04	G 1/4	4	55	27	27	19	6 x 1	7000282800	HF/60-SWOE-8-DN06
10	3/8	-06	G 3/8	7	64	34.5	33	22	8,1 x 1,6	7000282900	HF/60-SWOE-10-DN10
12	1/2	-08	G 1/2	9.5	72.5	43	38	27	12,1 x 1,6	7000283000	HF/60-SWOE-12-DN12
16	5/8	-10	G 5/8	12.5	87	53	52.5	30	13,1 x 1,6	7000283100	HF/60-SWOE-16-DN16 <sup>2) 3)</sup>
19	3/4	-12	G 3/4	15	99	60	58.5	32	17,1 x 1,6	7000283200	HF/60-SWOE-20-DN19 <sup>3)</sup>
25	1	-16	G 1	19.5	126	79	74	38	22,1 x 1,6	7000283300	HF/60-SWOE-25-DN25 <sup>3)</sup>
25	1	-16	G 1 1/4	19.5	127	80	69.5	50	29,1 x 1,6	7000283400	HF/60-SWOE-32-DN25 <sup>2)</sup>
31	1 1/4	-20	G 1 1/4	26	150.5	96	92	50	29,1 x 1,6	7000283500	HF/60-SWOE-32-DN31 <sup>3)</sup>
31	1 1/4	-20	G 1 1/2	26	150.5	96	91.5	55	35,1 x 1,6	7000283600	HF/60-SWOE-38-DN31 <sup>2) 3)</sup>
38	1 1/2	-24	G 1 1/2	32	175.5	117.5	105	55	35,1 x 1,6	7000283700	HF/60-SWOE-38-DN38 <sup>3)</sup>
51	2	-32	G 2	42	216.5	144	135.5	70	48,1 x 1,6	7000283800	HF/60-SWOE-50-DN51 <sup>3)</sup>

<sup>3)</sup> Crimped screwcap

<sup>2)</sup> Special sizes only on request

## Hose fittings with UN/UNF thread and 37° cone

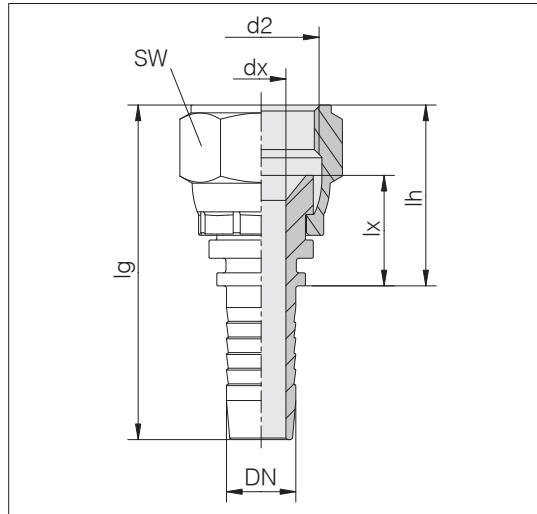
3



## DKJ

Hose fittings with UN/UNF thread and 37° cone (JIC)

ISO 12151-5 (ISO 8434-2)



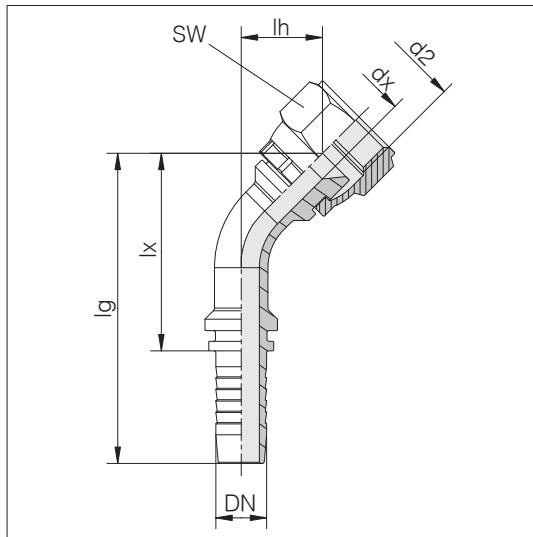
tube size			d2 UN/UNF	dx	lg	lx	lh	SW	Order-No.	Designation
DN	Inch	Dash								
5	3/16	-03	7/16-20 UNF	3	45.5	14	23.5	14	7000285100	HF/37-SWS-6-DN05 ③)
6	1/4	-04	7/16-20 UNF	4	51.5	14	23.5	14	7000285200	HF/37-SWS-6-DN06 ③)
6	1/4	-04	1/2-20 UNF	4	52.5	15	24.5	17	7000285300	HF/37-SWS-8-DN06 ③)
6	1/4	-04	9/16 - 18 UNF	4	54.5	16.5	26.5	19	7000285500	HF/37-SWS-10-DN06 ③)
8	5/16	-05	1/2-20 UNF	5.5	52.5	15	24.5	17	7000285400	HF/37-SWS-8-DN08 ③)
8	5/16	-05	9/16 - 18 UNF	5.5	55	17	27	19	7000285600	HF/37-SWS-10-DN08 ③)
10	3/8	-06	9/16 - 18 UNF	7	56	16.5	26.5	19	7000285700	HF/37-SWS-10-DN10 ③)
10	3/8	-06	3/4-16 UNF	7	60	19	30.5	24	7000285800	HF/37-SWS-12-DN10 ③)
10	3/8	-06	7/8-14 UNF	7	63	20	33.5	27	7000286000	HF/37-SWS-16-DN10 ③)
12	1/2	-08	3/4-16 UNF	9.5	59.5	18.5	30	24	7000285900	HF/37-SWS-12-DN12 ③)
12	1/2	-08	7/8-14 UNF	9.5	64.5	21	35	27	7000286100	HF/37-SWS-16-DN12 ③)
12	1/2	-08	1 1/16-12 UN	9.5	67	21.5	37.5	32	7000286300	HF/37-SWS-20-DN12 ③)
16	5/8	-10	3/4-16 UNF	12.5	64.5	20	31.5	24	7002212900	HF/37-SWS-12-DN16 ③)
16	5/8	-10	7/8-14 UNF	12.5	67.5	19.5	33.5	27	7000286200	HF/37-SWS-16-DN16 ③)
16	5/8	-10	1 1/16-12 UN	12.5	72	22	38	32	7000286400	HF/37-SWS-20-DN16 ③)
19	3/4	-12	3/4-16 UNF	15	72.5	22	33.5	24	7002213000	HF/37-SWS-12-DN19 ③)
19	3/4	-12	7/8-14 UNF	15	75.5	23.5	36.5	27	7002213100	HF/37-SWS-16-DN19 ③)
19	3/4	-12	1 1/16-12 UN	15	79	24	40	32	7000286500	HF/37-SWS-20-DN19 ③)
19	3/4	-12	1 3/16 - 12 UN	15	80.5	25	41.5	36	7002251300	HF/37-SWS-22-DN19 ③)
19	3/4	-12	1 5/16-12 UN	15	81	25	42	41	7000286700	HF/37-SWS-25-DN19 ③)
25	1	-16	1 1/16-12 UN	15	87	24	40	32	7000286600	HF/37-SWS-20-DN25 ③)
25	1	-16	1 5/16-12 UN	19.5	89	25	42	41	7000286800	HF/37-SWS-25-DN25 ③)
25	1	-16	1 5/8-12 UN	19.5	90.5	27	43.5	50	7000286900	HF/37-SWS-30-DN25 ③)
31	1 1/4	-20	1 5/8-12 UN	26	98.5	27.5	44	50	7000287000	HF/37-SWS-30-DN31 ③)
31	1 1/4	-20	1 7/8-12 UN	26	103.5	29.5	49	60	7000287100	HF/37-SWS-38-DN31 ③)
38	1 1/2	-24	1 7/8-12 UN	32	107	29.5	49	60	7000287200	HF/37-SWS-38-DN38 ③)
51	2	-32	2 1/2-12 UN	42	131.5	35.5	59	75	7002251400	HF/37-SWS-50-DN51 ③)

③) Crimped screwcap

## DKJ 45

Hose fittings with UN/UNF thread  
and 37° cone (JIC)

ISO 12151-5 (ISO 8434-2)



3

tube size			d2	dx	lg	lx	lh	SW	Order-No.	Designation
DN	Inch	Dash	UN/UNF							
6	1/4	-04	7/16-20 UNF	4	61.5	33.5	12.5	14	7000289300	HF/37-SWE45-6-DN06 ③)
6	1/4	-04	1/2-20 UNF	4	62	34	13.5	17	7000289400	HF/37-SWE45-8-DN06 ③)
6	1/4	-04	9/16 - 18 UNF	4	62.5	34.5	14	19	7000289500	HF/37-SWE45-10-DN06 ③)
8	5/16	-05	9/16 - 18 UNF	5.5	64	36	15	19	7000289600	HF/37-SWE45-10-DN08 ③)
10	3/8	-06	9/16 - 18 UNF	7	70.5	41	17.5	19	7000289700	HF/37-SWE45-10-DN10 ③)
10	3/8	-06	3/4-16 UNF	7	72	42.5	19	24	7000289800	HF/37-SWE45-12-DN10 ③)
10	3/8	-06	7/8-14 UNF	7	72.5	43	19.5	27	7000290000	HF/37-SWE45-16-DN10 ③)
12	1/2	-08	3/4-16 UNF	9.5	80.5	51	20.5	24	7000289900	HF/37-SWE45-12-DN12 ③)
12	1/2	-08	7/8-14 UNF	9.5	81.5	52	21.5	27	7000290100	HF/37-SWE45-16-DN12 ③)
12	1/2	-08	1 1/16-12 UN	9.5	82.5	53	22.5	32	7000290300	HF/37-SWE45-20-DN12 ③)
16	5/8	-10	7/8-14 UNF	12.5	96.5	62.5	25.5	27	7000290200	HF/37-SWE45-16-DN16 ③)
16	5/8	-10	1 1/16-12 UN	12.5	97	63	26	32	7000290400	HF/37-SWE45-20-DN16 ③)
19	3/4	-12	1 1/16-12 UN	15	108	69	28.5	32	7000290500	HF/37-SWE45-20-DN19 ③)
19	3/4	-12	1 3/16 - 12 UN	15	108.5	69.5	29	36	7002251900	HF/37-SWE45-22-DN19 ②) ③)
19	3/4	-12	1 5/16-12 UN	15	108.5	69.5	29	41	7000290600	HF/37-SWE45-25-DN19 ③)
25	1	-16	1 5/16-12 UN	19.5	134.5	87.5	32.5	41	7000290700	HF/37-SWE45-25-DN25 ③)
25	1	-16	1 5/8-12 UN	19.5	135.5	88.5	34	50	7000290800	HF/37-SWE45-30-DN25 ③)
31	1 1/4	-20	1 5/8-12 UN	26	161	106.5	41	50	7000290900	HF/37-SWE45-30-DN31 ③)
31	1 1/4	-20	1 7/8-12 UN	26	162	107.5	42	60	7000291000	HF/37-SWE45-38-DN31 ②) ③)
38	1 1/2	-24	1 7/8-12 UN	32	184.5	126.5	46.5	60	7000291100	HF/37-SWE45-38-DN38 ③)
51	2	-32	2 1/2-12 UN	42	231	158.5	67	75	7000291200	HF/37-SWE45-50-DN51 ③)

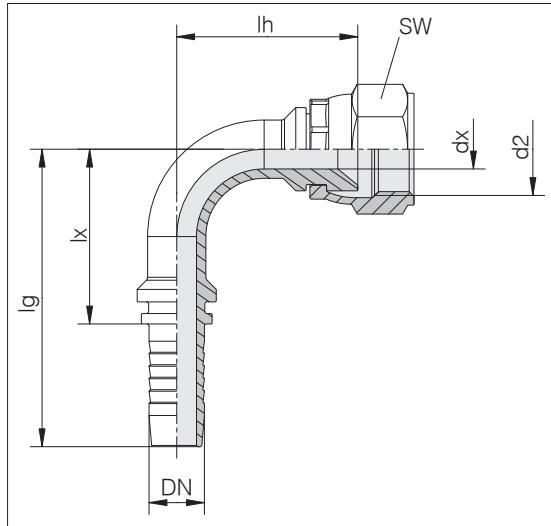
③) Crimped screwcap

②) Special sizes only on request

## DKJ 90

Hose fittings with UN/UNF thread and  
37° cone (JIC)

ISO 12151-5 (ISO 8434-2)



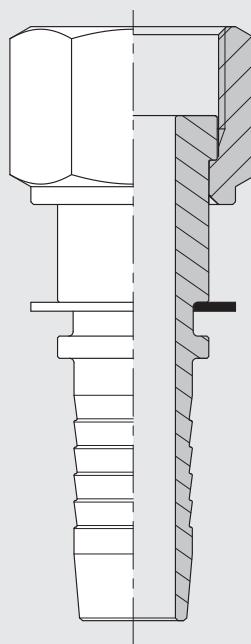
tube size DN	Inch	Dash	d2 UN/UNF	dx	lg	lx	lh	SW	Order-No.	Designation
5	3/16	-03	7/16-20 UNF	3	47.5	25.5	26	14	7000287300	HF/37-SWE-6-DN05 ② ③)
6	1/4	-04	7/16-20 UNF	4	57	29	26	14	7000287400	HF/37-SWE-6-DN06 ③)
6	1/4	-04	1/2-20 UNF	4	57	29	27	17	7000287500	HF/37-SWE-8-DN06 ③)
6	1/4	-04	9/16 - 18 UNF	4	57	29	28	19	7000287600	HF/37-SWE-10-DN06 ③)
8	5/16	-05	9/16 - 18 UNF	5.5	57.5	29.5	30.5	19	7000287700	HF/37-SWE-10-DN08 ③)
10	3/8	-06	9/16 - 18 UNF	7	63	33.5	35	19	7000287800	HF/37-SWE-10-DN10 ③)
10	3/8	-06	3/4-16 UNF	7	63	33.5	37	24	7000287900	HF/37-SWE-12-DN10 ③)
10	3/8	-06	7/8-14 UNF	7	63	33.5	38	27	7000288100	HF/37-SWE-16-DN10 ③)
12	1/2	-08	3/4-16 UNF	9.5	71.5	42	42.5	24	7000288000	HF/37-SWE-12-DN12 ③)
12	1/2	-08	7/8-14 UNF	9.5	71.5	42	43.5	27	7000288200	HF/37-SWE-16-DN12 ③)
12	1/2	-08	1 1/16-12 UN	9.5	71.5	42	45	32	7000288400	HF/37-SWE-20-DN12 ③)
16	5/8	-10	7/8-14 UNF	12.5	87	53	54	27	7000288300	HF/37-SWE-16-DN16 ③)
16	5/8	-10	1 1/16-12 UN	12.5	87	53	54.5	32	7000288500	HF/37-SWE-20-DN16 ③)
19	3/4	-12	1 1/16-12 UN	15	97	58	56	32	7000288600	HF/37-SWE-20-DN19 ③)
19	3/4	-12	1 3/16 - 12 UN	15	99	60	58.5	36	7002251600	HF/37-SWE-22-DN19 ② ③)
19	3/4	-12	1 5/16-12 UN	15	99	60	58.5	41	7000288700	HF/37-SWE-25-DN19 ③)
25	1	-16	1 5/16-12 UN	19.5	126	79	70.5	41	7000288800	HF/37-SWE-25-DN25 ③)
25	1	-16	1 5/8-12 UN	19.5	126	79	72.5	50	7000288900	HF/37-SWE-30-DN25 ③)
31	1 1/4	-20	1 5/8-12 UN	26	150.5	96	86	50	7000289000	HF/37-SWE-30-DN31 ③)
31	1 1/4	-20	1 7/8-12 UN	26	150.5	96	87	60	7000289100	HF/37-SWE-38-DN31 ② ③)
38	1 1/2	-24	1 7/8-12 UN	32	175.5	117.5	100.5	60	7000289200	HF/37-SWE-38-DN38 ③)
51	2	-32	2 1/2-12 UN	42	216.5	144	135	75	7002251700	HF/37-SWE-50-DN51 ③)

③) Crimped screwcap

②) Special sizes only on request

## Hose fittings ORFS with UN/UNF thread

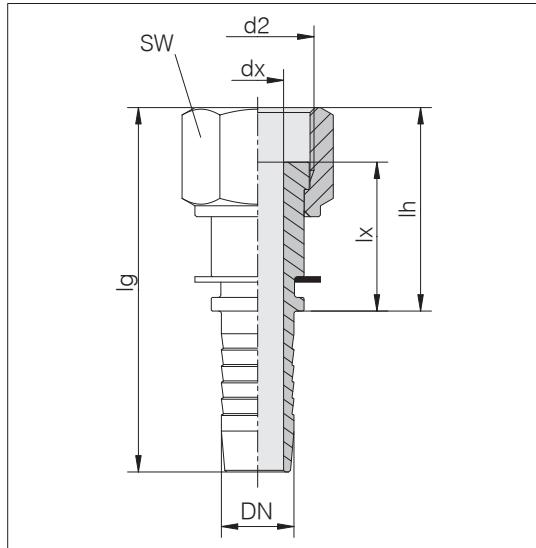
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## ORFS

Hose fittings with UN/UNF thread and face sealing (ORFS)

ISO 12151-1 (ISO 8434-3)

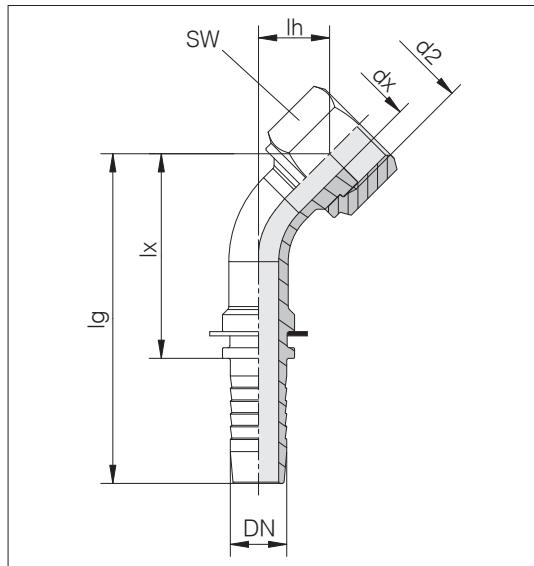


tube size DN	Inch	Dash	d2 UN/UNF	dx	lg	lx	lh	SW	Order-No.	Designation
6	1/4	-04	9/16 - 18 UNF	4	57.5	21.5	29.5	17	7000291300	HF/90-SWS-6-DN06
6	1/4	-04	11/16 - 16 UN	4	60	23.5	32	22	7000291400	HF/90-SWS-10-DN06
8	5/16	-05	11/16 - 16 UN	5.5	60	23.5	32	22	7000291500	HF/90-SWS-10-DN08
10	3/8	-06	11/16 - 16 UN	7	61.5	23.5	32	22	7000291600	HF/90-SWS-10-DN10
10	3/8	-06	13/16 - 16 UN	7	66	26.5	36.5	24	7000291700	HF/90-SWS-12-DN10
12	1/2	-08	13/16 - 16 UN	9.5	67	27.5	37.5	24	7000291800	HF/90-SWS-12-DN12
12	1/2	-08	1 - 14 UNS	9.5	73.5	31.5	44	30	7000291900	HF/90-SWS-16-DN12
12	1/2	-08	1 3/16 - 12 UN	9.5	79	36	49.5	36	7000292100	HF/90-SWS-20-DN12
16	5/8	-10	1 - 14 UNS	12.5	78	31.5	44	30	7000292000	HF/90-SWS-16-DN16
16	5/8	-10	1 3/16 - 12 UN	12.5	81.5	34	47.5	36	7002251500	HF/90-SWS-22-DN16
19	3/4	-12	1 3/16 - 12 UN	15	88	35.5	49	36	7000292200	HF/90-SWS-20-DN19
19	3/4	-12	1 7/16 - 12 UN	15	91	38.5	52	41	7000292300	HF/90-SWS-25-DN19
25	1	-16	1 7/16 - 12 UN	19.5	97	36.5	50	41	7000292400	HF/90-SWS-25-DN25
31	1 1/4	-20	1 11/16 - 12 UN	26	106	38	51.5	50	7000292500	HF/90-SWS-30-DN31
38	1 1/2	-24	2 - 12 UN	32	109.5	38	51.5	60	7000292600	HF/90-SWS-38-DN38

## ORFS 45

Hose fittings with UN/UNF thread and face sealing (ORFS)

ISO 12151-1 (ISO 8434-3)



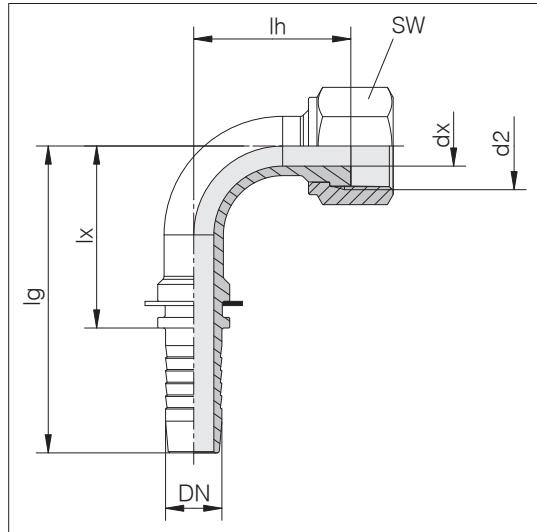
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tube size DN	Inch	Dash	d2 UN/UNF	dx	lg	lx	lh	SW	Order-No.	Designation
6	1/4	-04	9/16 - 18 UNF	4	60	32	13	17	7000294100	HF/90-SWE45-6-DN06
6	1/4	-04	11/16 - 16 UN	4	61	33	13.5	22	7000294200	HF/90-SWE45-10-DN06
10	3/8	-06	11/16 - 16 UN	7	69	39.5	16	22	7000294300	HF/90-SWE45-10-DN10
10	3/8	-06	13/16 - 16 UN	7	69.5	40	16.5	24	7000294400	HF/90-SWE45-12-DN10
12	1/2	-08	13/16 - 16 UN	9.5	77	47.5	17	24	7000294500	HF/90-SWE45-12-DN12
12	1/2	-08	1 - 14 UNS	9.5	80.5	51	19.5	30	7000294600	HF/90-SWE45-16-DN12
16	5/8	-10	1 - 14 UNS	12.5	93.5	59.5	22.5	30	7000294700	HF/90-SWE45-16-DN16
16	5/8	-10	1 3/16 - 12 UN	12.5	95.5	61.5	24	36	7002252000	HF/90-SWE45-22-DN16
19	3/4	-12	1 3/16 - 12 UN	15	104	65	25	36	7000294800	HF/90-SWE45-20-DN19
25	1	-16	1 7/16 - 12 UN	19.5	130.5	83.5	27.5	41	7000294900	HF/90-SWE45-25-DN25
31	1 1/4	-20	1 11/16 - 12 UN	26	155	100.5	34	50	7000295000	HF/90-SWE45-30-DN31
38	1 1/2	-24	2 - 12 UN	32	177	119	38	60	7000295100	HF/90-SWE45-38-DN38

## ORFS 90

Hose fittings with UN/UNF thread and face sealing (ORFS)

ISO 12151-1 (ISO 8434-3)



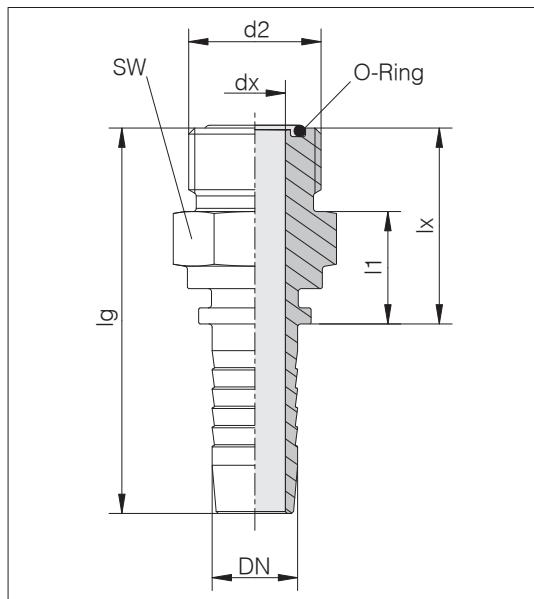
tube size			d2 UN/UNF	dx	lg	lx	lh	SW	Order-No.	Designation
DN	Inch	Dash								
6	1/4	-04	9/16 - 18 UNF	4	55	27	27	17	7000292700	HF/90-SWE-6-DN06
6	1/4	-04	11/16 - 16 UN	4	55	27	28	22	7000292800	HF/90-SWE-10-DN06
8	5/16	-05	11/16 - 16 UN	5.5	58	30	28	22	7000292900	HF/90-SWE-10-DN08
10	3/8	-06	11/16 - 16 UN	7	64	34.5	32	22	7000293000	HF/90-SWE-10-DN10
10	3/8	-06	13/16 - 16 UN	7	64	34.5	33	24	7000293100	HF/90-SWE-12-DN10
12	1/2	-08	13/16 - 16 UN	9.5	72	42	37	24	7000293200	HF/90-SWE-12-DN12
12	1/2	-08	1 - 14 UNS	9.5	72.5	43	41	30	7000293300	HF/90-SWE-16-DN12
12	1/2	-08	1 3/16 - 12 UN	9.5	71.5	42	43.5	36	7000293500	HF/90-SWE-20-DN12
16	5/8	-10	1 - 14 UNS	12.5	88	54	47.5	30	7000293400	HF/90-SWE-16-DN16
16	5/8	-10	1 3/16 - 12 UN	12.5	88	54	50	36	7002251800	HF/90-SWE-22-DN16
19	3/4	-12	1 3/16 - 12 UN	15	99.5	60.5	52	36	7000293600	HF/90-SWE-20-DN19
19	3/4	-12	1 7/16 - 12 UN	15	98.5	59.5	56	41	7000293700	HF/90-SWE-25-DN19
25	1	-16	1 7/16 - 12 UN	19.5	125	78	66	41	7000293800	HF/90-SWE-25-DN25
31	1 1/4	-20	1 11/16 - 12 UN	26	151.5	97	76	50	7000293900	HF/90-SWE-30-DN31
38	1 1/2	-24	2 - 12 UN	32	176.5	118.5	89	60	7000294000	HF/90-SWE-38-DN38

## AORFS

Hose fittings with UN/UNF thread and face sealing (ORFS)

ISO 12151-1 (ISO 8434-3)

Standard material of O-rings is NBR

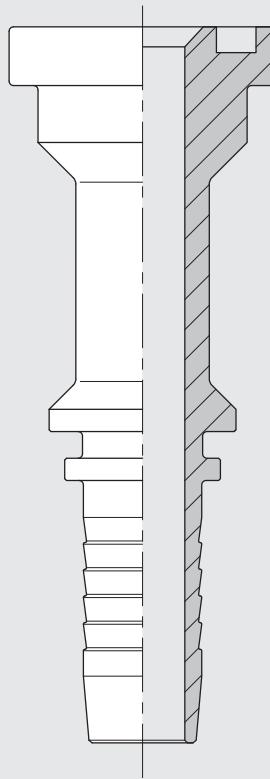


tube size			d2	dx	lg	lx	SW	I1	O-ring	Order-No.	Designation
DN	Inch	Dash	UN/UNF								
6	1/4	-04	9/16 - 18 UNF	4	52.5	24.5	17	14.5	7,65 x 1,78	7000316000	HF/90-S-6-DN06
6	1/4	-04	11/16 - 18 UN	4	54	26	19	15	9,25 x 1,78	7000316100	HF/90-S-10-DN06
8	5/16	-05	11/16 - 16 UN	5.5	54	26	19	15	9,25 x 1,78	7000316200	HF/90-S-10-DN08
10	3/8	-06	11/16 - 16 UN	6.5	56	26.5	19	15.5	9,25 x 1,78	7000316300	HF/90-S-10-DN10
10	3/8	-06	13/16 - 16 UN	7	58.5	29	22	16	12,42 x 1,78	7002131900	HF/90-S-12-DN10
12	1/2	-08	13/16 - 16 UN	9.5	60	30.5	22	17.5	12,42 x 1,78	7000316400	HF/90-S-12-DN12
12	1/2	-08	1 - 14 UNS	9.5	63.5	34	27	18.5	15,60 x 1,78	7002132000	HF/90-S-16-DN12
12	1/2	-08	1 3/16 - 12 UN	9.5	66.5	37	32	20	18,77 x 1,78	7002132100	HF/90-S-20-DN12
16	5/8	-10	1 - 14 UNS	12.5	68	34	27	18.5	15,60 x 1,78	7000316500	HF/90-S-16-DN16
16	5/8	-10	1 3/16 - 12 UN	12.5	71	37	32	20	18,77 x 1,78	7002132200	HF/90-S-22-DN16
19	3/4	-12	1 3/16 - 12 UN	15	78	39	32	22	18,77 x 1,78	7000316600	HF/90-S-20-DN19
19	3/4	-12	1 7/16 - 12 UN	15	82.5	43.5	41	26	23,52 x 1,78	7002132300	HF/90-S-25-DN19
25	1	-16	1 7/16 - 12 UN	19.5	90.5	43.5	41	26	23,52 x 1,78	7000316700	HF/90-S-25-DN25
31	1 1/4	-20	1 11/16 - 12 UN	26	101.5	47	46	29.5	29,87 x 1,78	7000316800	HF/90-S-30-DN31
38	1 1/2	-24	2 - 12 UN	32	109	51	55	33.5	37,82 x 1,78	7000316900	HF/90-S-38-DN38

<sup>2)</sup> Special sizes only on request



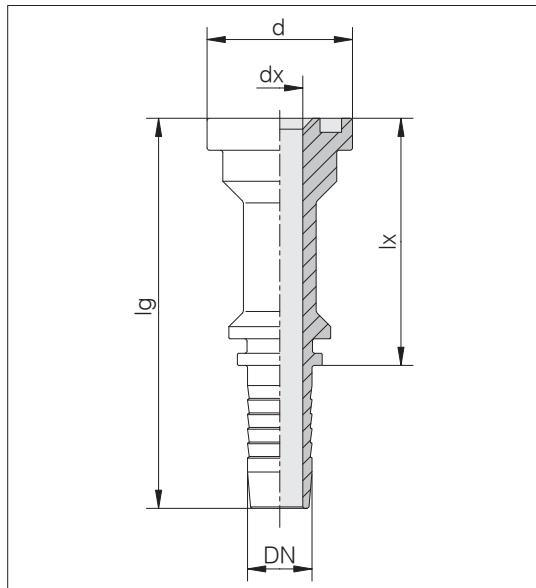
## Hose fittings with SAE flange standard series (3000 psi)



## FL3

Hose fittings with SAE flange  
standard series (3000 psi)

ISO 12151-3 (ISO 6162-1)

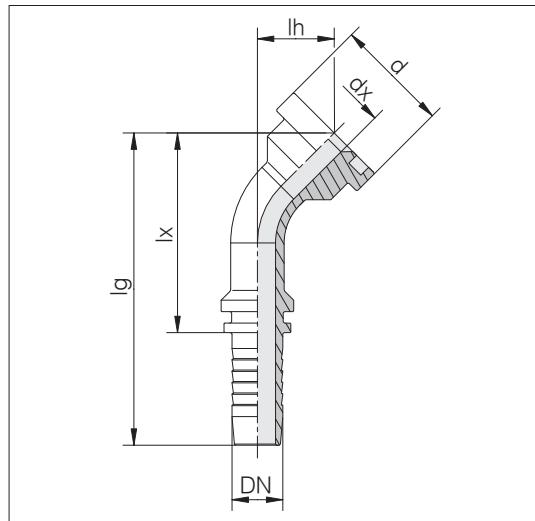


Fl. size inch	tube size DN	Inch	Dash	d	dx	lg	lx	Order-No.	Designation
1/2	12	1/2	-08	30	9.5	80.5	51	7000058700	HF/F-S-DN12-3S1/2
3/4	12	1/2	-08	38	9.5	85.5	56	7000058800	HF/F-S-DN12-3S3/4
3/4	16	5/8	-10	38	12.5	90	56	7000059000	HF/F-S-DN16-3S3/4
3/4	19	3/4	-12	38	15	96.5	57.5	7000059200	HF/F-S-DN19-3S3/4
1	19	3/4	-12	44.5	15	99.5	60.5	7000059300	HF/F-S-DN19-3S1
1	25	1	-16	44.5	19.5	110.5	63.5	7000059500	HF/F-S-DN25-3S1
1 1/4	25	1	-16	50.8	19.5	113.5	66.5	7000059600	HF/F-S-DN25-3S11/4
1 1/4	31	1 1/4	-20	50.8	26	125.5	71	7000059800	HF/F-S-DN31-3S11/4
1 1/2	31	1 1/4	-20	60.3	26	128.5	74	7000059900	HF/F-S-DN31-3S11/2
1 1/2	38	1 1/2	-24	60.3	32	135	77	7000060000	HF/F-S-DN38-3S11/2
2	38	1 1/2	-24	71.4	32	138	80	7000060100	HF/F-S-DN38-3S2
2	51	2	-32	71.4	42	153	80.5	7000060200	HF/F-S-DN51-3S2
2 1/2	51	2	-32	84.1	42	156	83.5	7000060300	HF/F-S-DN51-3S21/2

## FL3 45

Hose fittings with SAE flange  
standard series (3000 psi)

ISO 12151-3 (ISO 6162-1)

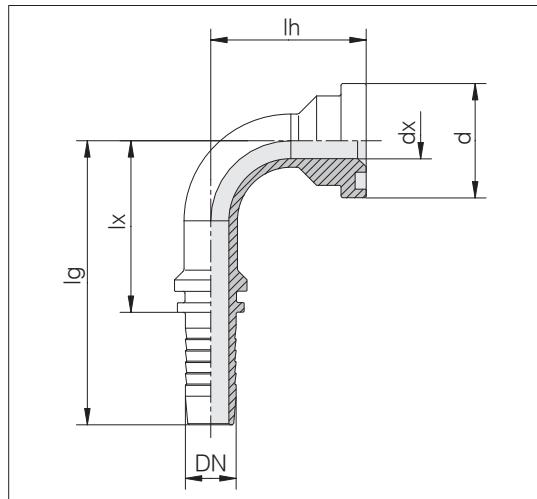


Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
1/2	12	1/2	-08	30	9.5	81	51.5	21	7000060400	HF/F-E45-DN12-3S1/2
3/4	12	1/2	-08	38	9.5	84.5	55	24.5	7000060500	HF/F-E45-DN12-3S3/4
3/4	16	5/8	-10	38	12.5	97.5	63.5	27.5	7000060700	HF/F-E45-DN16-3S3/4
3/4	19	3/4	-12	38	15	107.5	68.5	28	7000060900	HF/F-E45-DN19-3S3/4
1	19	3/4	-12	44.5	15	109.5	70.5	30	7000061000	HF/F-E45-DN19-3S1
1	25	1	-16	44.5	19.5	132	85	30.5	7000061300	HF/F-E45-DN25-3S1
1 1/4	25	1	-16	50.8	19.5	134	87	32	7000061200	HF/F-E45-DN25-3S11/4
1 1/4	31	1 1/4	-20	50.8	26	155.5	101	36	7000061500	HF/F-E45-DN31-3S11/4
1 1/2	31	1 1/4	-20	60.3	26	160	105.5	40	7000061600	HF/F-E45-DN31-3S11/2
1 1/2	38	1 1/2	-24	60.3	32	170	112	46	7000061700	HF/F-E45-DN38-3S11/2
2	38	1 1/2	-24	71.4	32	182	124	46	7000061800	HF/F-E45-DN38-3S2
2	51	2	-32	71.4	42	216.5	144	50	7000061900	HF/F-E45-DN51-3S2

## FL3 90

Hose fittings with SAE flange  
standard series (3000 psi)

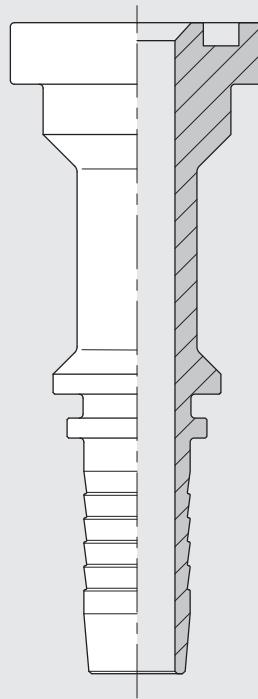
ISO 12151-3 (ISO 6162-1)



Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
1/2	12	1/2	-08	30	9.5	71.5	42	43.5	7000062100	HF/F-E-DN12-3S1/2
3/4	12	1/2	-08	38	9.5	71.5	42	48.5	7000062200	HF/F-E-DN12-3S3/4
3/4	16	5/8	-10	38	12.5	87	53	55	7000062400	HF/F-E-DN16-3S3/4
3/4	19	3/4	-12	38	15	99	60	57	7000062600	HF/F-E-DN19-3S3/4
1	19	3/4	-12	44.5	15	99	60	60	7000062700	HF/F-E-DN19-3S1
1	25	1	-16	44.5	19.5	125.5	78.5	67.5	7000062900	HF/F-E-DN25-3S1
1 1/4	25	1	-16	50.8	19.5	125.5	78.5	70	7000063000	HF/F-E-DN25-3S1 1/4
1 1/4	31	1 1/4	-20	50.8	26	150	95.5	79	7000063200	HF/F-E-DN31-3S1 1/4
1 1/2	31	1 1/4	-20	60.3	26	150.5	96	84.5	7000063300	HF/F-E-DN31-3S1 1/2
1 1/2	38	1 1/2	-24	60.3	32	169	111	99	7000063400	HF/F-E-DN38-3S1 1/2
2	38	1 1/2	-24	71.4	32	172	114	101	7000063500	HF/F-E-DN38-3S2
2	51	2	-32	71.4	42	216	143.5	115.5	7000063600	HF/F-E-DN51-3S2

## Hose fittings with SAE flange high pressure series (6000 psi)

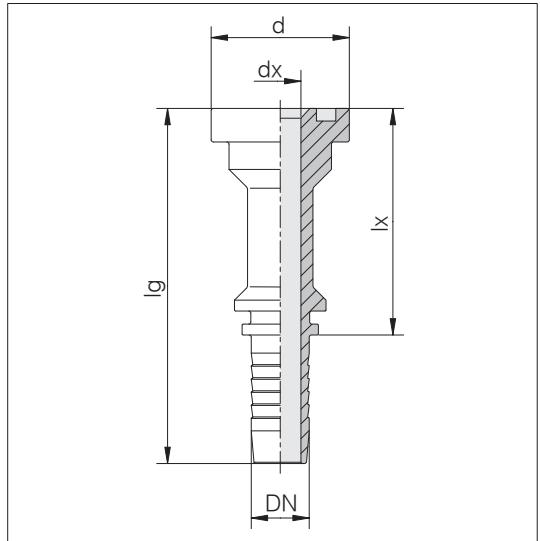
3



## FL6

Hose fittings with SAE flange  
high pressure series (6000 psi)

ISO 12151-3 (ISO 6162-2)



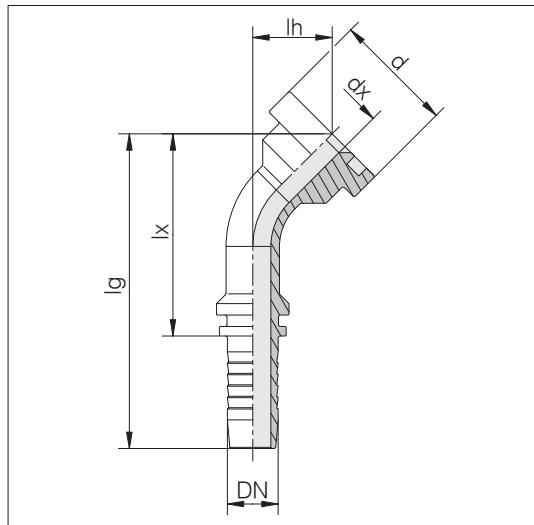
Fl. size inch	tube size			d	dx	lg	lx	Order-No.	Designation
	DN	Inch	Dash						
1/2	12	1/2	-08	31.7	9.5	81.5	52	7000069700	HF/F-S-DN12-6S1/2
3/4	12	1/2	-08	41.3	9.5	89.5	60	7000069800	HF/F-S-DN12-6S3/4
3/4	16	5/8	-10	41.3	12.5	97	63	7000070000	HF/F-S-DN16-6S3/4
3/4	19	3/4	-12	41.3	15	104.5	65.5	7000070200	HF/F-S-DN19-6S3/4
1	19	3/4	-12	47.6	15	109	70	7000070300	HF/F-S-DN19-6S1
1	25	1	-16	47.6	19.5	121.5	74.5	7000070500	HF/F-S-DN25-6S1
1 1/4	25	1	-16	54	19.5	126	79	7000070600	HF/F-S-DN25-6S11/4
1 1/4	31	1 1/4	-20	54	26	138	83.5	7000070800	HF/F-S-DN31-6S11/4
1 1/2	31	1 1/4	-20	63.5	26	142.5	88	7000070900	HF/F-S-DN31-6S11/2
1 1/2	38	1 1/2	-24	63.5	32	150.5	92.5	7000071000	HF/F-S-DN38-6S11/2
2	38	1 1/2	-24	79.4	32	155	97	7000071100	HF/F-S-DN38-6S2
2	51	2	-32	79.4	42	174	101.5	7000071200	HF/F-S-DN51-6S2

<sup>2)</sup> Special sizes only on request

## FL6 45

Hose fittings with SAE flange  
high pressure series (6000 psi)

ISO 12151-3 (ISO 6162-2)



3

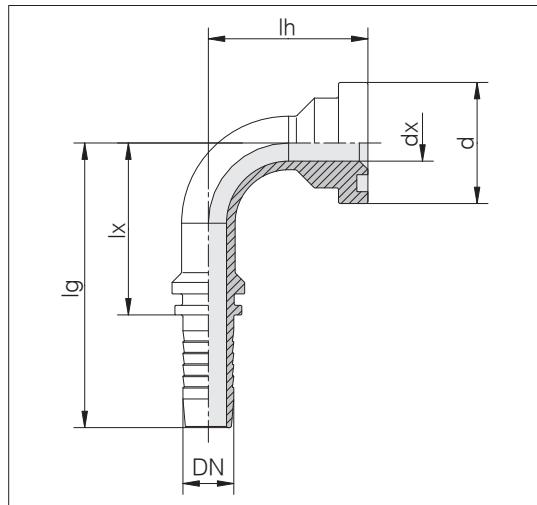
Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
1/2	12	1/2	-08	31.7	9.5	82	52.5	22	7000071300	HF/F-E45-DN12-6S1/2
3/4	12	1/2	-08	41.3	9.5	87.5	58	27.5	7000071400	HF/F-E45-DN12-6S3/4
3/4	16	5/8	-10	41.3	12.5	100.5	66.5	30.5	7000071600	HF/F-E45-DN16-6S3/4
3/4	19	3/4	-12	41.3	15	111.5	72.5	31	7000071800	HF/F-E45-DN19-6S3/4
1	19	3/4	-12	47.6	15	114.5	75.5	35	7000071900	HF/F-E45-DN19-6S1
1	25	1	-16	47.6	19.5	137	90	35.5	7000072100	HF/F-E45-DN25-6S1
1 1/4	25	1	-16	54	19.5	142	95	40.5	7000072200	HF/F-E45-DN25-6S11/4
1 1/4	31	1 1/4	-20	54	26	164	109.5	44	7000072400	HF/F-E45-DN31-6S11/4
1 1/2	31	1 1/4	-20	63.5	26	170	115.5	50.5	7000072500	HF/F-E45-DN31-6S11/2 2)
1 1/2	38	1 1/2	-24	63.5	32	190	132	52	7000072600	HF/F-E45-DN38-6S11/2 2)
2	38	1 1/2	-24	79.4	32	201	143	63.5	7000072700	HF/F-E45-DN38-6S2 2)
2	51	2	-32	79.4	42	236	163.5	67.5	7000072800	HF/F-E45-DN51-6S2 2)

2) Special sizes only on request

## FL6 90

Hose fittings with SAE flange  
high pressure series (6000 psi)

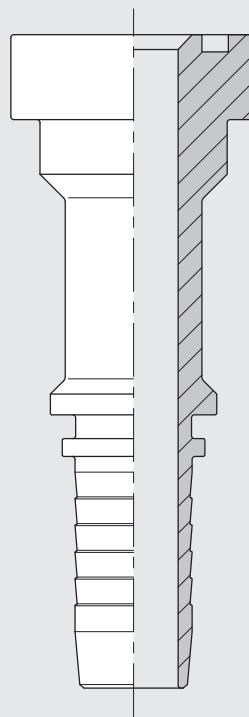
ISO 12151-3 (ISO 6162-2)



Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
1/2	12	1/2	-08	31.7	9.5	71.5	42	44.5	7000072900	HF/F-E-DN12-6S1/2
3/4	12	1/2	-08	41.3	9.5	71.5	42	52.5	7000073000	HF/F-E-DN12-6S3/4
3/4	16	5/8	-10	41.3	12.5	87	53	59	7000073200	HF/F-E-DN16-6S3/4
3/4	19	3/4	-12	41.3	15	99	60	61	7000073400	HF/F-E-DN19-6S3/4
1	19	3/4	-12	47.6	15	99	60	67	7000073500	HF/F-E-DN19-6S1
1	25	1	-16	47.6	19.5	125.5	78.5	74.5	7000073700	HF/F-E-DN25-6S1
1 1/4	25	1	-16	54	19.5	126	79	81.5	7000073800	HF/F-E-DN25-6S11/4
1 1/4	31	1 1/4	-20	54	26	150.5	96	90.5	7000074000	HF/F-E-DN31-6S11/4
1 1/2	31	1 1/4	-20	63.5	26	150.5	96	99	7000074100	HF/F-E-DN31-6S11/2 1)
1 1/2	38	1 1/2	-24	63.5	32	175.5	117.5	108.5	7000074200	HF/F-E-DN38-6S11/2 1)
2	38	1 1/2	-24	79.4	32	175.5	117.5	124.5	7000074300	HF/F-E-DN38-6S2 1)
2	51	2	-32	79.4	42	219.5	147	140	7000074400	HF/F-E-DN51-6S2 1)

1) Standard size

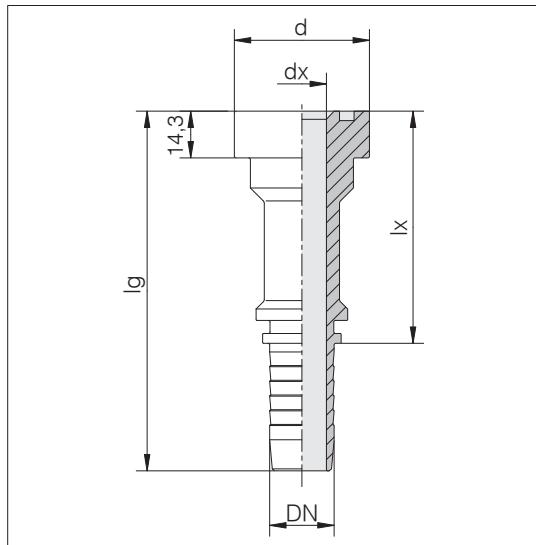
## Hose fittings with flange high pressure series (9000 psi)



## FLCAT

Hose fittings with flange  
high pressure series (9000 psi)

ISO 12151-3 (ISO 6162-2)



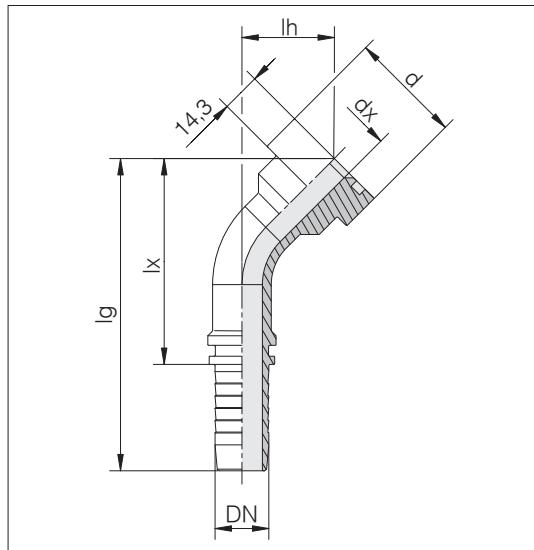
Fl. size inch	tube size			d	dx	lg	lx	Order-No.	Designation
	DN	Inch	Dash						
3/4	19	3/4	-12	41.3	15	110	71	7000307700	HF/F-CS-DN19-6S3/4 2)
1	19	3/4	-12	47.6	15	114.5	75.5	7000307800	HF/F-CS-DN19-6S1 2)
1	25	1	-16	47.6	19.5	127	80	7000307900	HF/F-CS-DN25-6S1 2)
1 1/4	25	1	-16	54	19.5	131.5	84.5	7000308000	HF/F-CS-DN25-6S11/4 2)
1 1/4	31	1 1/4	-20	54	26	143.5	89	7000308100	HF/F-CS-DN31-6S11/4 2)
1 1/2	31	1 1/4	-20	63.5	26	148	93.5	7000308200	HF/F-CS-DN31-6S11/2 2)
1 1/2	38	1 1/2	-24	63.5	32	156	98	7000308300	HF/F-CS-DN38-6S11/2 2)

2) Special sizes only on request

## FLCAT 45

Hose fittings with flange  
high pressure series (9000 psi)

ISO 12151-3 (ISO 6162-2)



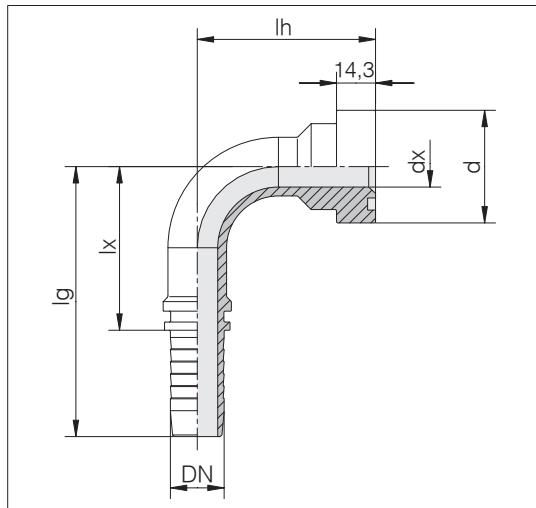
F. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
3/4	19	3/4	-12	41.3	15	114	75	34.5	7000309100	HF/F-CE45-DN19-6S3/4 2)
1	19	3/4	-12	47.6	15	118	79	38.5	7000309200	HF/F-CE45-DN19-6S1 2)
1	25	1	-16	47.6	19.5	140.5	93.5	38.5	7000309300	HF/F-CE45-DN25-6S1 2)
1 1/4	25	1	-16	54	19.5	145	98	43	7000309400	HF/F-CE45-DN25-6S11/4 2)
1 1/4	31	1 1/4	-20	54	26	167	112.5	47	7000309500	HF/F-CE45-DN31-6S11/4 2)
1 1/2	31	1 1/4	-20	63.5	26	171	116.5	51.5	7000309600	HF/F-CE45-DN31-6S11/2 2)
1 1/2	38	1 1/2	-24	63.5	32	191	133	53	7000309700	HF/F-CE45-DN38-6S11/2 2)

2) Special sizes only on request

## FLCAT 90

Hose fittings with flange  
high pressure series (9000 psi)

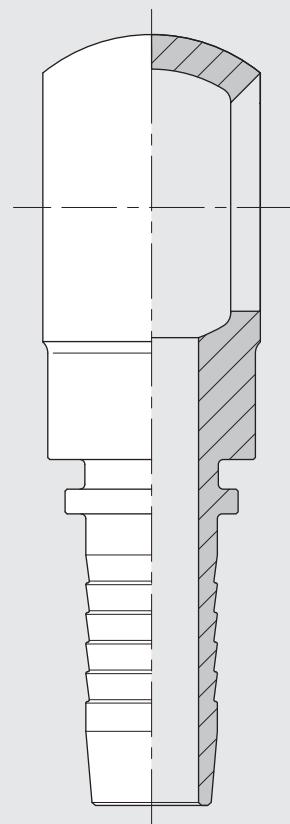
ISO 12151-3 (ISO 6162-2)



Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
3/4	19	3/4	-12	41.3	15	99	60	66.5	7000308400	HF/F-CE-DN19-6S3/4 2)
1	19	3/4	-12	47.6	15	99	60	71.5	7000308500	HF/F-CE-DN19-6S1 2)
1	25	1	-16	47.6	19.5	126	79	79	7000308600	HF/F-CE-DN25-6S1 2)
1 1/4	25	1	-16	54	19.5	126	79	85.5	7000308700	HF/F-CE-DN25-6S11/4 2)
1 1/4	31	1 1/4	-20	54	26	150.5	96	94.5	7000308800	HF/F-CE-DN31-6S11/4 2)
1 1/2	31	1 1/4	-20	63.5	26	150.5	96	100.5	7000308900	HF/F-CE-DN31-6S11/2 2)
1 1/2	38	1 1/2	-24	63.5	32	175.6	117.5	110	7000309000	HF/F-CE-DN38-6S11/2 2)

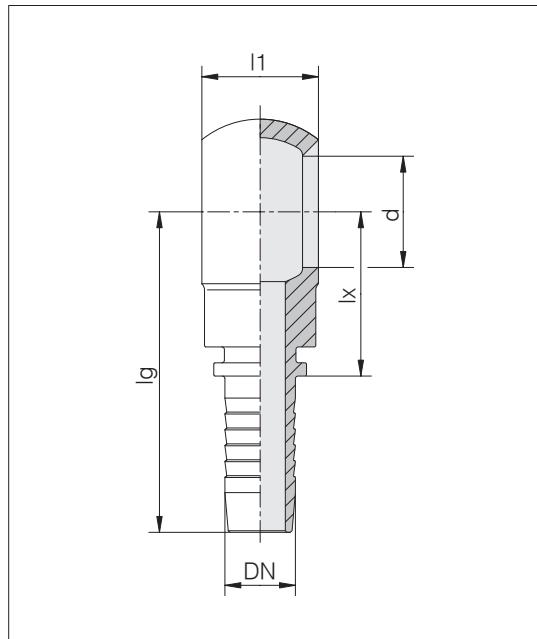
2) Special sizes only on request

## Ring eyelets



# RNR

Ring eyes for inch banjo bolts

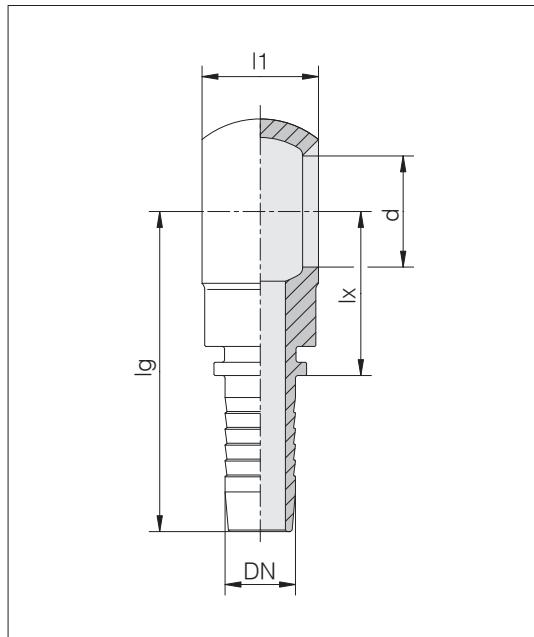


tube size			d	lg	l1	lx	Order-No.	Designation
DN	Inch	Dash						
6	1/4	-04	G 1/4	49.5	14	21.5	7000322000	HF/GP-BFE-1/4-DN06
8	5/16	-05	G 3/8	52.5	18	24.5	7000322100	HF/GP-BFE-3/8-DN08
10	3/8	-06	G 3/8	54	18	24.5	7000322200	HF/GP-BFE-3/8-DN10
10	3/8	-06	G 1/2	59.5	22	30	7000322300	HF/GP-BFE-1/2-DN10
12	1/2	-08	G 1/2	60.5	22	31	7000322400	HF/GP-BFE-1/2-DN12
12	1/2	-08	G 5/8	63	23.5	33.5	7000322500	HF/GP-BFE-5/8-DN12 2)
16	5/8	-10	G 5/8	67.5	23.5	33.5	7000322600	HF/GP-BFE-5/8-DN16 2)
16	5/8	-10	G 3/4	72	29	38	7000322700	HF/GP-BFE-3/4-DN16 2)
19	3/4	-12	G 3/4	78.5	29	39.5	7000322800	HF/GP-BFE-3/4-DN19
19	3/4	-12	G 1	87	38	48	7000322900	HF/GP-BFE-1-DN19 2)
25	1	-16	G 1	95	38	48	7000323000	HF/GP-BFE-1-DN25

2) Special sizes only on request

## RBM

Ring eyes for metric banjo bolts



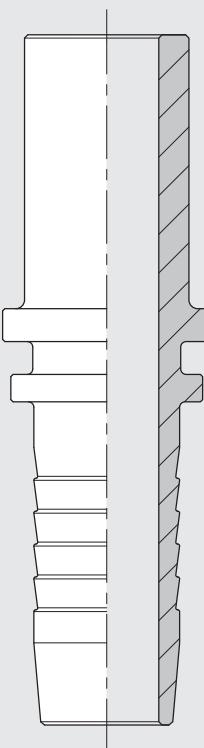
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tube size DN	Inch	Dash	d	lg	l1	lx	Order-No.	Designation
6	1/4	-04	M 12	46.5	12.5	18.5	7000323100	HF/GP-BFE-M12-DN06
6	1/4	-04	M 14	49.5	14	21.5	7000323200	HF/GP-BFE-M14-DN06
8	5/16	-05	M 14	54.5	14	26.5	7000323300	HF/GP-BFE-M14-DN08
8	5/16	-05	M 16	52.5	18	24.5	7000323500	HF/GP-BFE-M16-DN08
10	3/8	-06	M 14	56	14	26.5	7000323400	HF/GP-BFE-M14-DN10
10	3/8	-06	M 16	54	18	24.5	7000323600	HF/GP-BFE-M16-DN10
10	3/8	-06	M 18	57	20	27.5	7000323700	HF/GP-BFE-M18-DN10
12	1/2	-08	M 18	58	20	28.5	7000323800	HF/GP-BFE-M18-DN12
12	1/2	-08	M 22	60.5	22	31	7000323900	HF/GP-BFE-M22-DN12
16	5/8	-10	M 22	69.5	22	35.5	7000324000	HF/GP-BFE-M22-DN16
16	5/8	-10	M 26	72	29	38	7000324100	HF/GP-BFE-M26-DN16
19	3/4	-12	M 26	78.5	29	39.5	7000324200	HF/GP-BFE-M26-DN19 2)
19	3/4	-12	M 30	82	30	43	7000324300	HF/GP-BFE-M30-DN19 2)

2) Special sizes only on request



## Hose Fittings with pipe attachment L series

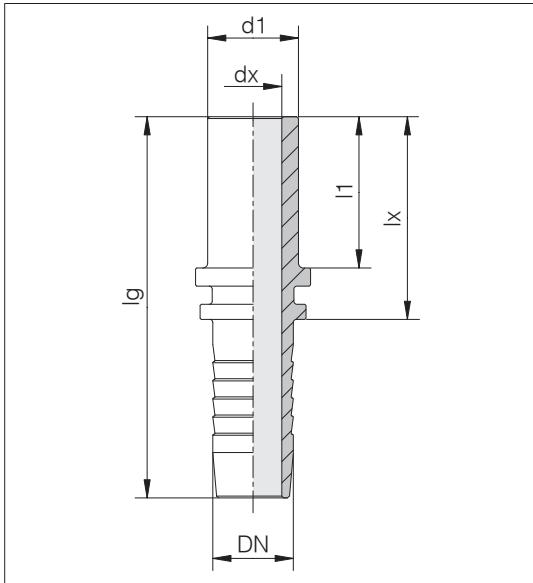


# BEL

Hose fittings with pipe attachment for cutting ring fittings

ISO 8434-1

L series



Series	Tube OD	tube size DN	tube size Inch	Dash	dx	lg	l1	lx	Order-No.	Designation
Tube OD	d1									
L 6	5	3/16	-03		3	50.5	23	28.5	7000297900	HF/24-SWSX-L6-DN05
L 6	6	1/4	-04		4	57.5	23	29.5	7000298000	HF/24-SWSX-L6-DN06
L / S 8	6	1/4	-04		4	58.5	24	30.5	7000298100	HF/24-SWSX-L8-DN06
L 10	8	5/16	-05		5.5	59.5	25	31.5	7000298200	HF/24-SWSX-L10-DN08
L 10	10	3/8	-06		7	62	25	32.5	7000298300	HF/24-SWSX-L10-DN10
L 12	10	3/8	-06		7	62.5	25	33	7000298400	HF/24-SWSX-L12-DN10
L 15	10	3/8	-06		7	61	25	31.5	7000298500	HF/24-SWSX-L15-DN10
L 15	12	1/2	-08		9.5	63	25	33.5	7000298600	HF/24-SWSX-L15-DN12
L 18	12	1/2	-08		9.5	65	27	35.5	7000298700	HF/24-SWSX-L18-DN12
L 18	16	5/8	-10		12.5	69.5	27	35.5	7000298800	HF/24-SWSX-L18-DN16
L 22	16	5/8	-10		12.5	71.5	29	37.5	7000298900	HF/24-SWSX-L22-DN16
L 22	19	3/4	-12		15	79	29	40	7000299000	HF/24-SWSX-L22-DN19
L 28	25	1	-16		19.5	87	30	40	7000299100	HF/24-SWSX-L28-DN25
L 35	31	1 1/4	-20		26	103	36	48.5	7000299200	HF/24-SWSX-L35-DN31 2)
L 42	38	1 1/2	-24		32	110.5	40	52.5	7000299300	HF/24-SWSX-L42-DN38 2)

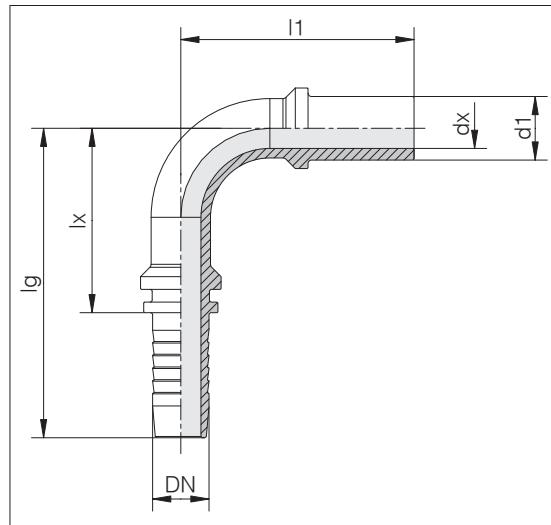
2) Special sizes only on request

## BEL 90

Hose fittings with pipe attachment for cutting ring fittings

ISO 8434-1

L series



3

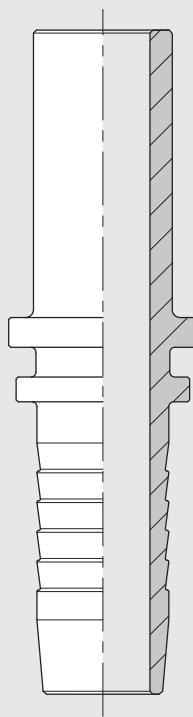
Series	tube size			dx	lg	l1	lx	Order-No.	Designation
Tube OD	DN	Inch	Dash						
d1									
L 6	5	3/16	-03	3	47.5	41.5	25.5	7000299400	HF/24-SWEX-L6-DN05
L 6	6	1/4	-04	4	57	41.5	29	7000299500	HF/24-SWEX-L6-DN06
L / S 8	6	1/4	-04	4	57	42.5	29	7000299600	HF/24-SWEX-L8-DN06
L 10	8	5/16	-05	5.5	57.5	46	29.5	7000299700	HF/24-SWEX-L10-DN08
L 10	10	3/8	-06	7	63	51	33.5	7000299800	HF/24-SWEX-L10-DN10
L 12	10	3/8	-06	7	63	51	33.5	7000299900	HF/24-SWEX-L12-DN10
L 15	12	1/2	-08	9.5	71.5	56	42	7000300000	HF/24-SWEX-L15-DN12
L 18	12	1/2	-08	9.5	71.5	59.5	42	7000300100	HF/24-SWEX-L18-DN12
L 18	16	5/8	-10	12.5	87	68	53	7000300200	HF/24-SWEX-L18-DN16
L 22	16	5/8	-10	12.5	87	72	53	7000300300	HF/24-SWEX-L22-DN16
L 22	19	3/4	-12	15	99	72.5	60	7000300400	HF/24-SWEX-L22-DN19
L 28	25	1	-16	19.5	126	86	79	7000300500	HF/24-SWEX-L28-DN25
L 35	31	1 1/4	-20	26	150.5	106	96	7000300600	HF/24-SWEX-L35-DN31

2)

<sup>2)</sup> Special sizes only on request



## Hose Fittings with Pipe Attachment S series

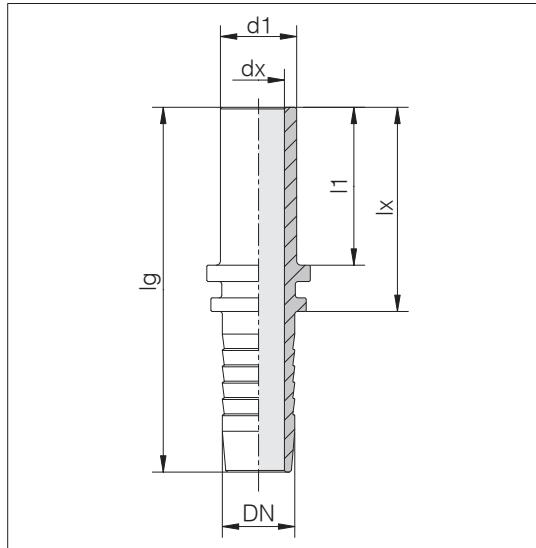


## BES

Hose fittings with pipe attachment for cutting ring fittings

ISO 8434-1

S series



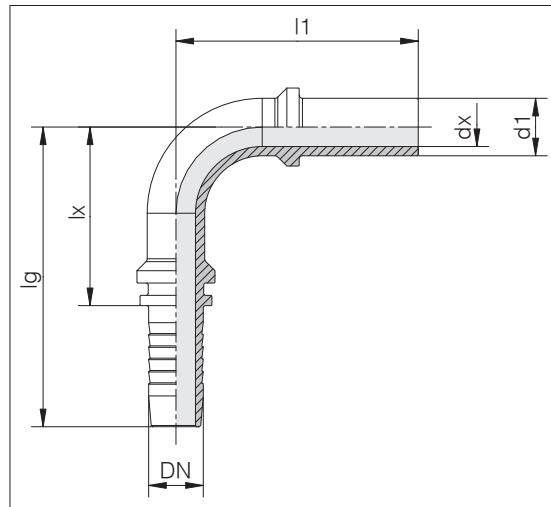
Series	tube size			dx	lg	l1	lx	Order-No.	Designation
Tube OD	DN	Inch	Dash						
d1									
S 8	5	3/16	-03	3	51.5	24	29.5	7000300700	HF/24-SWSX-S8-DN05
S 10	6	1/4	-04	4	60.5	25	32.5	7000300800	HF/24-SWSX-S10-DN06
S 12	6	1/4	-04	4	59.5	25	31.5	7000300900	HF/24-SWSX-S12-DN06
S 12	8	5/16	-05	5.5	60	25	32	7000301000	HF/24-SWSX-S12-DN08
S 14	10	3/8	-06	7	66	29	36.5	7000301100	HF/24-SWSX-S14-DN10
S 14	12	1/2	-08	9.5	67	29	37.5	7000301200	HF/24-SWSX-S14-DN12
S 16	12	1/2	-08	9.5	70	32	40.5	7000301300	HF/24-SWSX-S16-DN12
S 20	16	5/8	-10	12.5	78.5	36	44.5	7000301400	HF/24-SWSX-S20-DN16
S 20	19	3/4	-12	15	86	36	47	7000301500	HF/24-SWSX-S20-DN19
S 25	19	3/4	-12	15	90	40	51	7000301600	HF/24-SWSX-S25-DN19
S 25	25	1	-16	19.5	97	40	50	7000301700	HF/24-SWSX-S25-DN25
S 30	25	1	-16	19.5	102	45	55	7000301800	HF/24-SWSX-S30-DN25
S 38	31	1 1/4	-20	26	117	50	62.5	7000301900	HF/24-SWSX-S38-DN31

## BES 90

Hose fittings with pipe attachment for cutting ring fittings

ISO 8434-1

S series



3

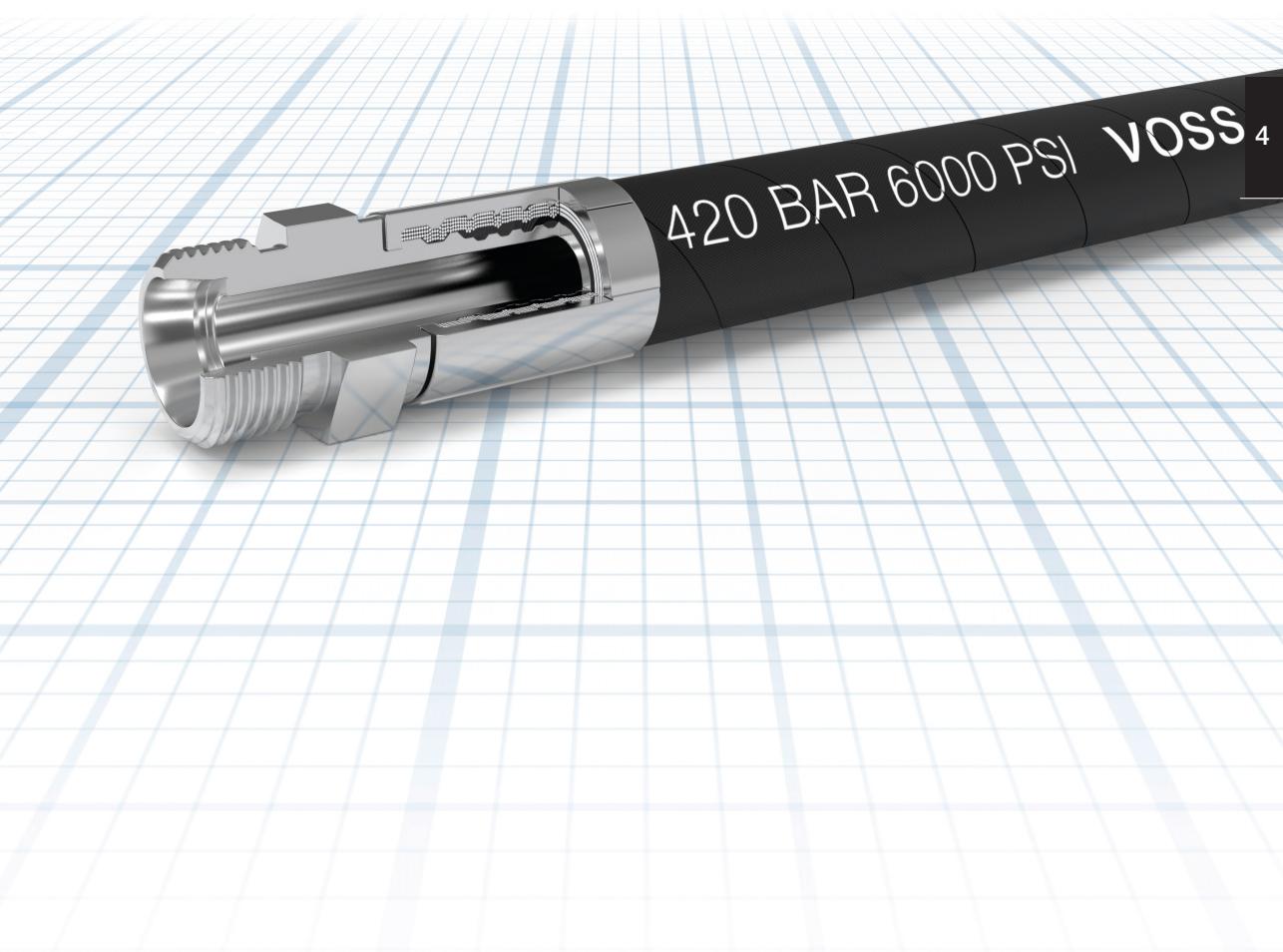
Series	tube size			dx	lg	l1	lx	Order-No.	Designation
Tube OD	DN	Inch	Dash						
d1									
S 10	6	1/4	-04	4	57	43.5	29	7000302100	HF/24-SWEX-S10-DN06
S 12	6	1/4	-04	4	57	43.5	29	7000302200	HF/24-SWEX-S12-DN06 <sup>2)</sup>
S 12	8	5/16	-05	5.5	57.5	46	29.5	7000302300	HF/24-SWEX-S12-DN08
S 14	10	3/8	-06	7	63	55	33.5	7000302400	HF/24-SWEX-S14-DN10
S 14	12	1/2	-08	9.5	71.5	60	42	7000302500	HF/24-SWEX-S14-DN12 <sup>2)</sup>
S 16	12	1/2	-08	9.5	71.5	63	42	7000302600	HF/24-SWEX-S16-DN12 <sup>2)</sup>
S 20	16	5/8	-10	12.5	87	78	53	7000302700	HF/24-SWEX-S20-DN16 <sup>2)</sup>
S 20	19	3/4	-12	15	99	80.5	60	7000302800	HF/24-SWEX-S20-DN19 <sup>2)</sup>
S 25	19	3/4	-12	15	99	84.5	60	7000302900	HF/24-SWEX-S25-DN19 <sup>2)</sup>
S 25	25	1	-16	19.5	126	96	79	7000303000	HF/24-SWEX-S25-DN25 <sup>2)</sup>
S 30	25	1	-16	19.5	126	101	79	7000303100	HF/24-SWEX-S30-DN25 <sup>2)</sup>

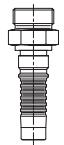
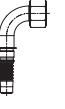
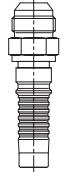
<sup>2)</sup> Special sizes only on request

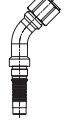
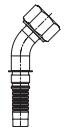


**VOSS**

## Hose fittings VOSS NPS8 (Interlock)

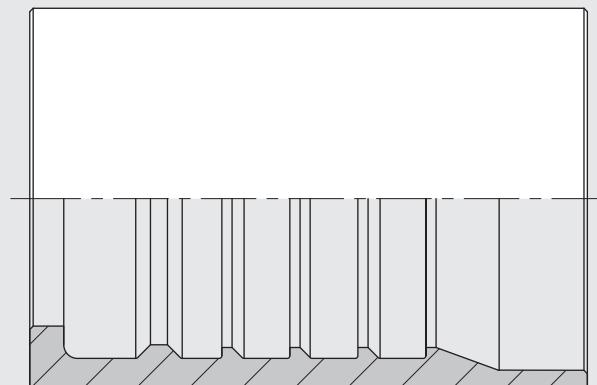


Content	Type/Page
Double Skive swaged ferrules	MPF 3 MPF 4
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Hose fittings with 24° cone	MCES
	 P.106
Hose fittings with 24° taper and O-ring	MDKOS MDKOS 45 MDKOS 90
	 P.108  P.109  P.110
Hose fittings with BSP thread	MAGR
	 P.112
Hose fittings with UN/UNF thread	MAGJ
	 P.114

Content	Type/Page		
Hose fittings with NPTF thread	MAGN		
			
	P.116		
Hose fittings with BSP thread and 60° taper O-ring	MDKOR MDKOR 45 MDKOR 90		
			
	P.118	P.119	P.120
Hose fittings with UN/UNF thread and 37° cone O-ring	MDKOJ MDKOJ 45 MDKOJ 90		
			
	P.122	P.123	P.124
Hose fittings ORFS with UN/UNF thread	MORFS MORFS 45 MORFS 90		
			
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Hose fittings with SAE flange standard series (3000 psi)	MFL3 MFL3 45 MFL3 90		
			
	P.130	P.131	P.132

Content	Type/Page		
Hose fittings with SAE flange high pressure series (6000 psi)	MFL6	MFL6 45	MFL6 90
			
	P.134	P.135	P.136
Hose fittings with flange high pressure series (9000 psi)	MFLCAT	MFLCAT 45	MFLCAT 90
			
	P.138	P.139	P.140

## Double Skive swaged ferrules



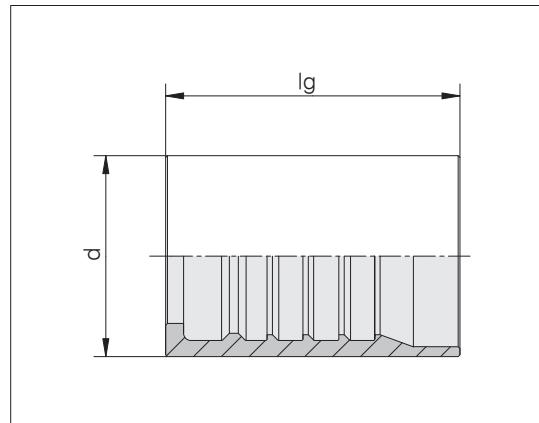
## MPF 3

Double Skive swaged ferrules with interlock for spiral hoses acc.  
to

EN 856 4SH

EN 856 R13

SAE 100 R13/R15



tube size			d	lg	Tube type	Order-No.	Designation
DN	Inch	Dash					
16	5/8	-10	36	56	4SH-R15	7004608700	HF-FER/MPF3-DN16-IL
19	3/4	-12	40	62	4SH-R13-R15	7000035600	HF-FER/MPF3-DN19-IL
25	1	-16	47	75	4SH-R13-R15	7000035700	HF-FER/MPF3-DN25-IL
31	1 1/4	-20	56	82	4SH	7000035800	HF-FER/MPF3-DN31-IL
38	1 1/2	-24	63	93	4SH	7000035900	HF-FER/MPF3-DN38-IL
51	2	-32	80	100	4SH	7000036000	HF-FER/MPF3-DN51-IL

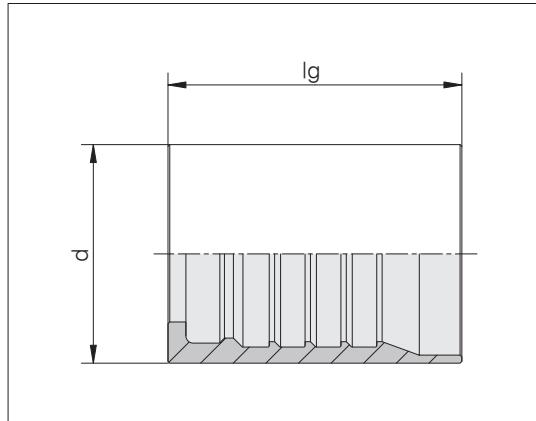
## MPF 4

Double Skive swaged ferrules for spiral tubes in acc. with

EN 856 4SH

EN 856 R13

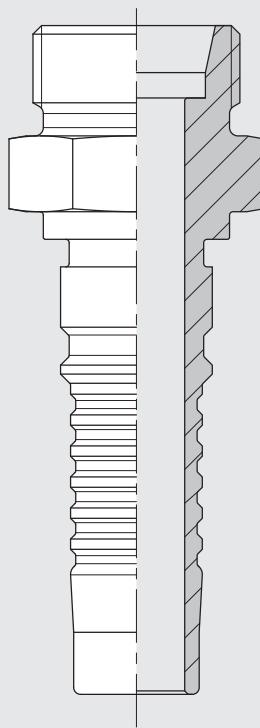
SAE 100 R13/R15



tube size DN	Inch	Dash	d	lg	Tube type	Order-No.	Designation
31	1 1/4	-20	61	82	R13-R15	7000036100	HF-FER/MPF4-DN31-IL
38	1 1/2	-24	71	93	R13-R15	7000036200	HF-FER/MPF4-DN38-IL
51	2	-32	85	100	R13	7000036300	HF-FER/MPF4-DN51-IL



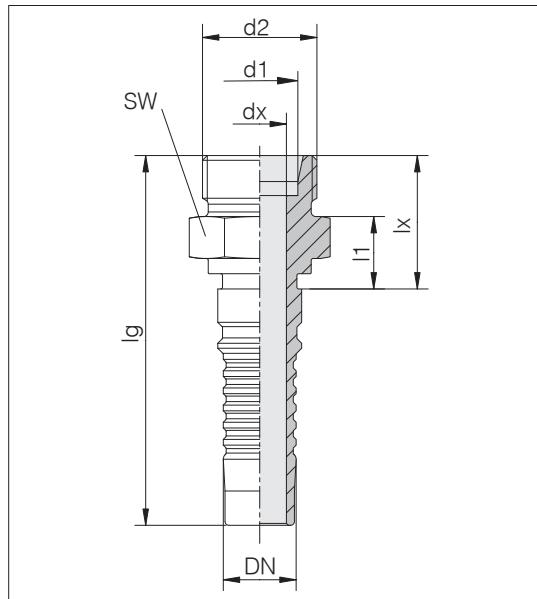
## Hose fittings with 24° cone



## MCES

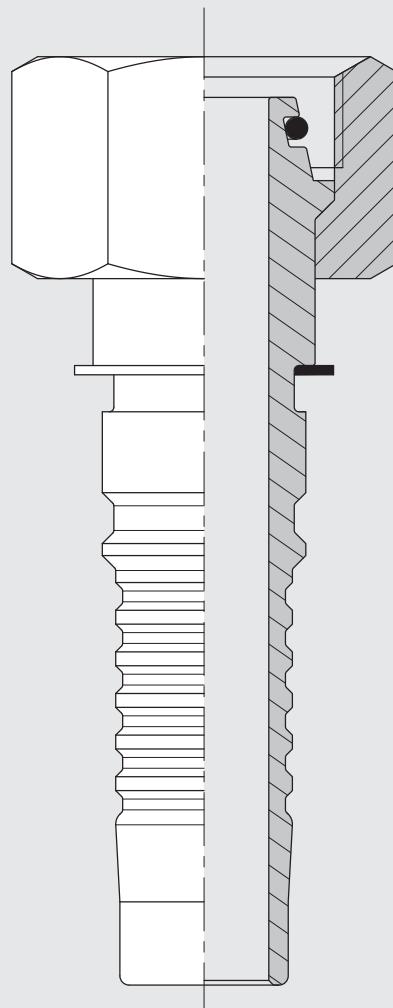
Hose fittings with metric thread and 24° cone

ISO 12151-2 (ISO 8434-1)



Series	tube size			d2	dx	lx	lg	l1	SW	Order-No.	Designation
Tube OD	DN	Inch	Dash	metric							
d1											
S 20	19	3/4	-12	M 30 x 2	14	35	97	19	32	7000055200	HF/24-S-S20-DN19-IL
S 25	19	3/4	-12	M 36 x 2	14	37	99	19	41	7000055300	HF/24-S-S25-DN19-IL
S 30	25	1	-16	M 42 x 2	19	43	117	23	46	7000055500	HF/24-S-S30-DN25-IL
S 38	31	1 1/4	-20	M 52 x 2	25	46	126	24	55	7000055700	HF/24-S-S38-DN31-IL

## Hose fittings with 24° taper and O-ring

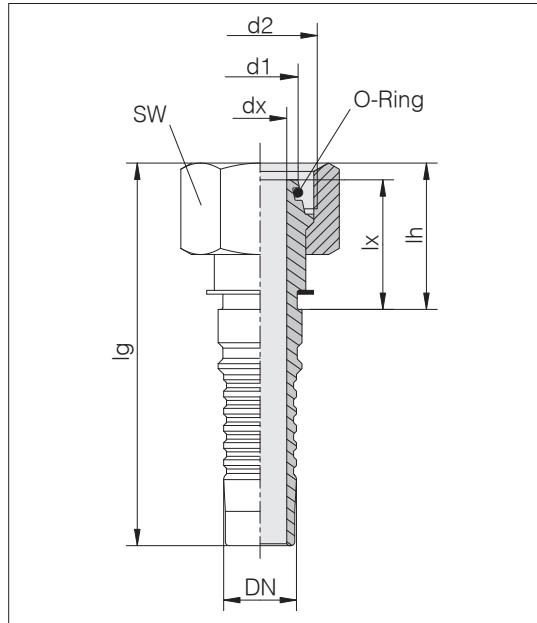


## MDKOS

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

Standard material of O-rings is FKM



Series	tube size			d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
Tube OD	DN	Inch	Dash	metric								
d1												
S 20	16	5/8	-10	M 30 x 2	11	94	33	36	36	16,3 x 2,4	7004400700	HF/24-SWOS-S20-DN16-IL
S 20	19	3/4	-12	M 30 x 2	14	99	34	37	36	16,3 x 2,4	7004643800	HF/24-SWOS-S20-DN19-IL
S 25	19	3/4	-12	M 36 x 2	14	105	37	43	46	20,3 x 2,4	7004649200	HF/24-SWOS-S25-DN19-IL
S 25	25	1	-16	M 36 x 2	19	112	33	38	46	20,3 x 2,4	7004649500	HF/24-SWOS-S25-DN25-IL <sup>3)</sup>
S 30	25	1	-16	M 42 x 2	19	120,5	39	46,5	50	25,3 x 2,4	7004649800	HF/24-SWOS-S30-DN25-IL
S 30	31	1 1/4	-20	M 42 x 2	25	124	36,5	44	50	25,3 x 2,4	7005716600	HF/24-SWOS-S30-DN31-IL
S 38	31	1 1/4	-20	M 52 x 2	25	133,5	44,5	53,5	60	33,3 x 2,4	7004650100	HF/24-SWOS-S38-DN31-IL
S 38	38	1 1/2	-24	M 52 x 2	31	139	38,5	47,5	65	33,3 x 2,4	7004650400	HF/24-SWOS-S38-DN38-IL <sup>3)</sup>

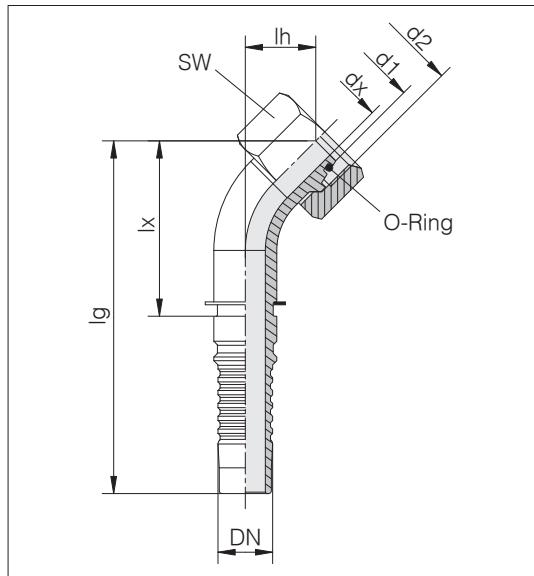
<sup>3)</sup> Crimped screwcap

## MDKOS 45

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

Standard material of O-rings is FKM



Series	tube size			d2	dx	lg	lX	lh	SW	O-ring	Order-No.	Designation
Tube OD	DN	Inch	Dash	metric								
S 20	19	3/4	-12	M 30 x 2	14	137	75	31	36	16,3 x 2,4	7004671100	HF/24-SWOE45-S20-DN19-IL
S 25	19	3/4	-12	M 36 x 2	14	137	75	31	46	20,3 x 2,4	7004672300	HF/24-SWOE45-S25-DN19-IL
S 25	25	1	-16	M 36 x 2	19	171	97	41.5	46	20,3 x 2,4	7004672700	HF/24-SWOE45-S25-DN25-IL <sup>3)</sup>
S 30	25	1	-16	M 42 x 2	19	163	89	31	50	25,3 x 2,4	7004673100	HF/24-SWOE45-S30-DN25-IL
S 38	31	1 1/4	-20	M 52 x 2	25	195	115	40	60	33,3 x 2,4	7004673500	HF/24-SWOE45-S38-DN31-IL
S 38	38	1 1/2	-24	M 52 x 2	31	232	140.5	55.5	65	33,3 x 2,4	7004674200	HF/24-SWOE45-S38-DN38-IL <sup>3)</sup>

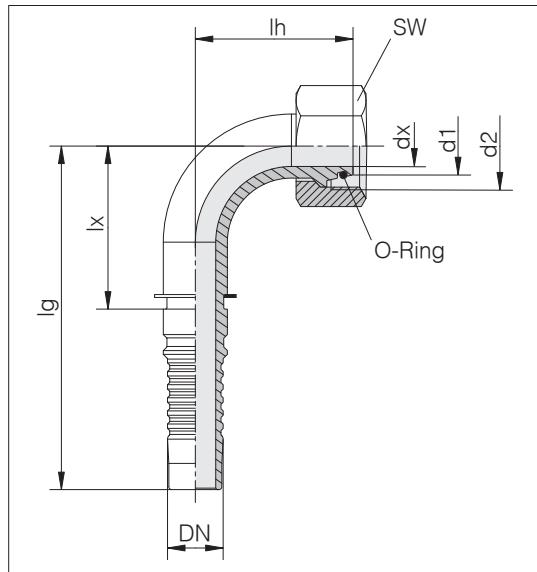
<sup>3)</sup> Crimped screwcap

## MDKOS 90

Hose fittings with 24° taper and O-ring  
fitting in bore form W  
DIN 3861/ISO 8434-1

ISO 12151-2 (ISO 8434-1)

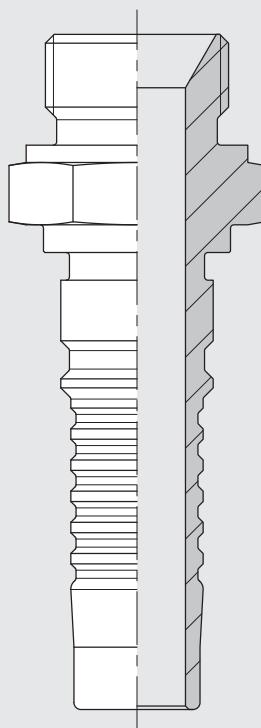
Standard material of O-rings is FKM



Series	Tube OD	tube size DN	tube size Inch	Dash	d2 metric	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
d1													
S 20	19	3/4	-12	M 30 x 2	14	125	63	63	36	16,3 x 2,4	7004659700	HF/24-SWOE-S20-DN19-IL	
S 25	19	3/4	-12	M 36 x 2	14	125	63	63,5	46	20,3 x 2,4	7004665500	HF/24-SWOE-S25-DN19-IL	
S 25	25	1	-16	M 36 x 2	19	157	83	84	46	20,3 x 2,4	7004665900	HF/24-SWOE-S25-DN25-IL <sup>3)</sup>	
S 30	25	1	-16	M 42 x 2	19	160	86	69	50	25,3 x 2,4	7004666300	HF/24-SWOE-S30-DN25-IL	
S 38	31	1 1/4	-20	M 52 x 2	25	187,5	107,5	88,5	60	33,3 x 2,4	7004666700	HF/24-SWOE-S38-DN31-IL	
S 38	38	1 1/2	-24	M 52 x 2	31	217	125,5	117	65	33,3 x 2,4	7004667100	HF/24-SWOE-S38-DN38-IL <sup>3)</sup>	

<sup>3)</sup> Crimped screwcap

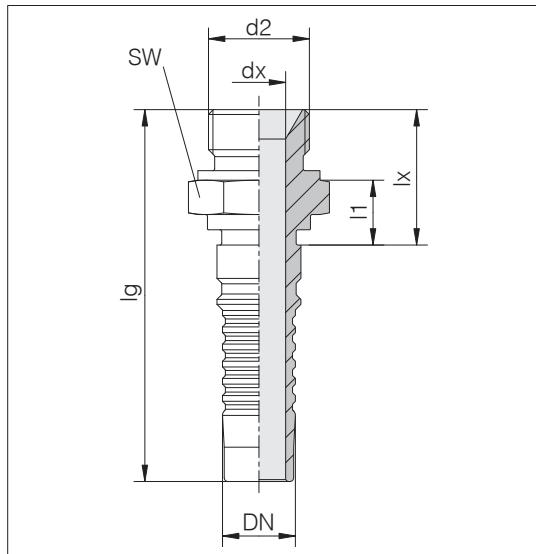
## Hose fittings with BSP thread



## MAGR

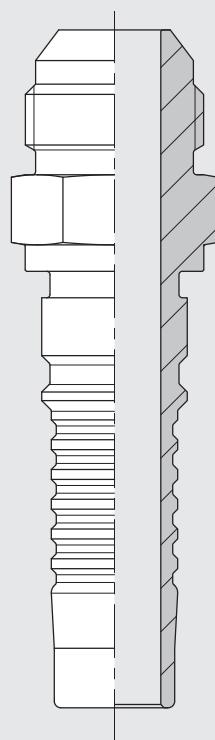
Hose fittings with BSP thread and  
60° cone, cylindrical

ISO 12151-6 (ISO 8434-6)



tube size			d2	dx	lg	l1	SW	Order-No.	Designation
DN	Inch	Dash	BSP						
19	3/4	-12	G 3/4	14	35.5	97.5	19.5	32	HF/60-S-20-DN19-IL
25	1	-16	G 1	19	40.5	114.5	21.5	41	HF/60-S-25-DN25-IL
31	1 1/4	-20	G 1 1/4	25	45.5	125.5	25.5	50	HF/60-S-25-DN31-IL
38	1 1/2	-24	G 1 1/2	31	52	143.5	30	55	HF/60-S-25-DN38-IL
51	2	-32	G 2	42	58	162	33	70	HF/60-S-50-DN51-IL

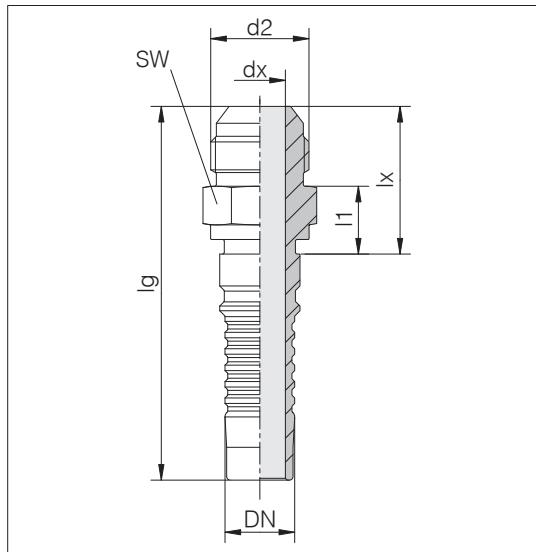
## Hose fittings with UN/UNF thread



## MAGJ

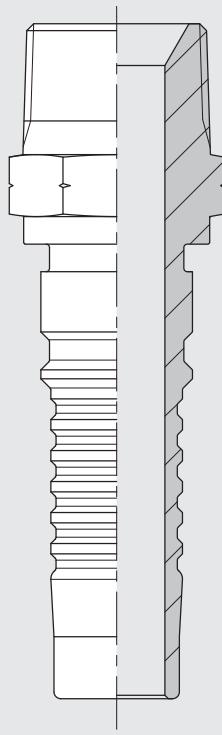
Hose fittings with UN/UNF thread and 37° sealing cone (JIC)

ISO 12151-5 (ISO 8434-2)



tube size			d2	dx	lg	l1	SW	Order-No.	Designation
DN	Inch	Dash	UN/UNF						
19	3/4	-12	1 1/16-12 UN	14	40.5	102.5	18.6	27	HF/37-S-20-DN19-IL
25	1	-16	1 5/16-12 UN	19	43	117	19.9	36	HF/37-S-25-DN25-IL
31	1 1/4	-20	1 5/8-12 UN	25	47	127	22.7	46	HF/37-S-30-DN31-IL
38	1 1/2	-24	1 7/8-12 UN	31	54	145.5	26.5	50	HF/37-S-38-DN38-IL
51	2	-32	2 1/2-12 UN	42	65.5	169.5	31.6	65	HF/37-S-50-DN51-IL

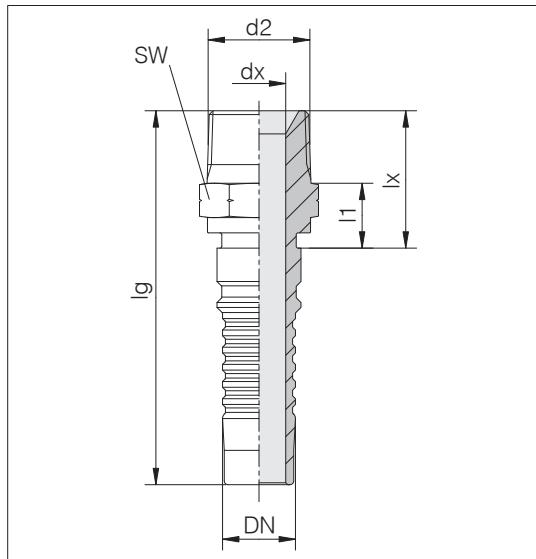
## Hose fittings with NPTF thread



# MAGN

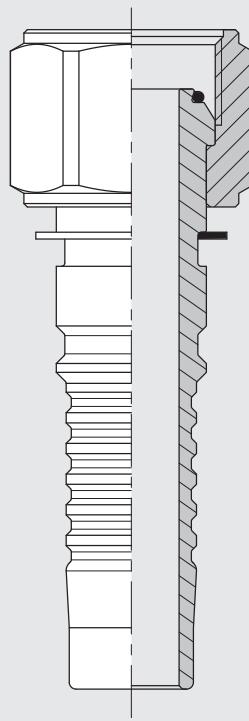
Hose fittings with NPTF thread, tapered

SAE J 516



tube size			d2	dx	lg	lx	l1	SW	Order-No.	Designation
DN	Inch	Dash	NPTF							
19	3/4	-12	3/4 NPTF	14	98	36	17	27	7000324400	HF/GP-SDS-NF3/4T-DN19-IL
25	1	-16	1 NPTF	19	116	42	18	36	7000324500	HF/GP-SDS-NF1T-DN25-IL
31	1 1/4	-20	1 1/4 NPTF	25	124.5	44.5	20	46	7000324600	HF/GP-SDS-NF11/4T-DN31-IL
38	1 1/2	-24	1 1/2 NPTF	31	139.5	48	22.5	50	7000324700	HF/GP-SDS-NF11/2T-DN38-IL
51	2	-32	2 NPTF	42	157	53	27	65	7000324800	HF/GP-SDS-NF2T-DN51-IL

## Hose fittings with BSP thread and 60° taper O-ring

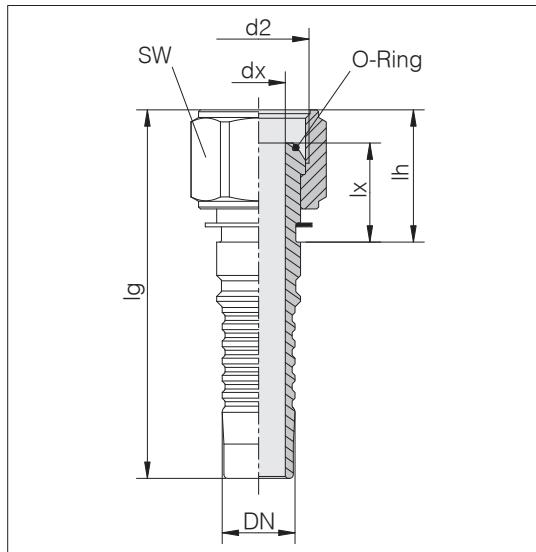


## MDKOR

Hose fittings with BSP thread and  
60° taper O-Ring

ISO 12151-6 (ISO 8434-6)

Standard material of O-rings is NBR



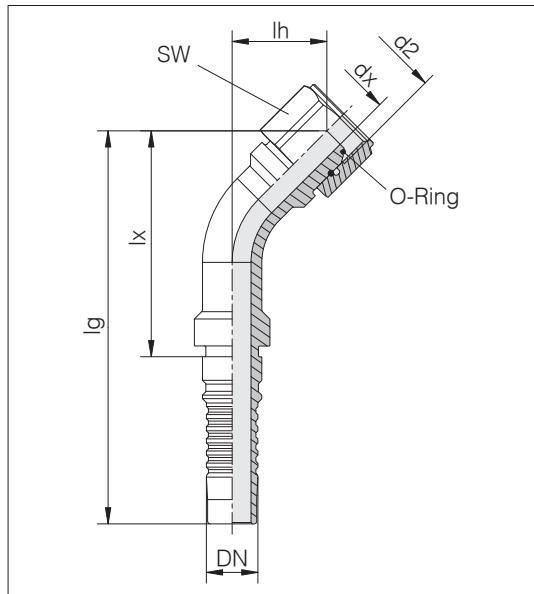
tube size			d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
DN	Inch	Dash	BSP								
19	3/4	-12	G 3/4	14	96.5	26	34.5	32	17,1 x 1,6	7000303200	HF/60-SWOS-20-DN19-IL
25	1	-16	G 1	19	113	28.5	39	41	22,1 x 1,6	7000303300	HF/60-SWOS-25-DN25-IL
31	1 1/4	-20	G 1 1/4	25	126	36	46	50	29,1 x 1,6	7000303400	HF/60-SWOS-32-DN31-IL
38	1 1/2	-24	G 1 1/2	31	146	42	54.5	55	35,1 x 1,6	7000303500	HF/60-SWOS-38-DN38-IL
51	2	-32	G 2	42	163	43	59	70	48,1 x 1,6	7000303600	HF/60-SWOS-50-DN51-IL

## MDKOR 45

Hose fittings with BSP thread and  
60° taper O-Ring

ISO 12151-6 (ISO 8434-6)

Standard material of O-rings is NBR



tube size			d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
DN	Inch	Dash	BSP								
19	3/4	-12	G 3/4	14	140	78	34.5	32	17,1 x 1,6	7000304200	HF/60-SWOE45-20-DN19-IL
25	1	-16	G 1	19	169.5	95.5	39	41	22,1 x 1,6	7000304300	HF/60-SWOE45-25-DN25-IL
31	1 1/4	-20	G 1 1/4	25	201	121	51.5	50	29,1 x 1,6	7000304400	HF/60-SWOE45-32-DN31-IL
38	1 1/2	-24	G 1 1/2	31	235	143.5	60	60	35,1 x 1,6	7000304500	HF/60-SWOE45-38-DN38-IL <sup>2)</sup>
51	2	-32	G 2	41	279	175	68.5	70	48,1 x 1,6	7000304600	HF/60-SWOE45-50-DN51-IL <sup>2)</sup>

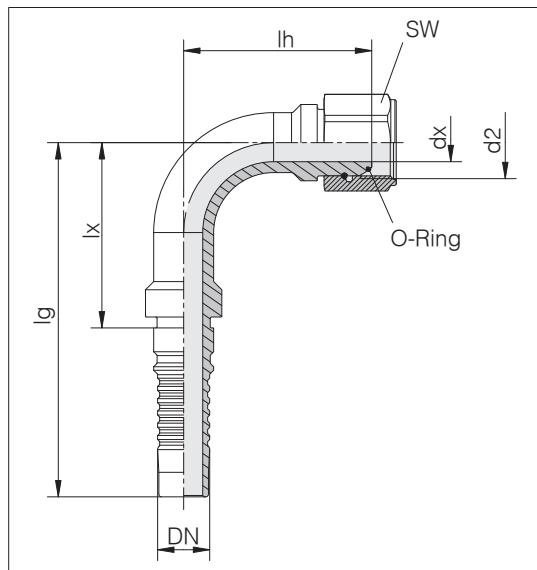
<sup>2)</sup> Special sizes only on request

## MDKOR 90

Hose fittings with BSP thread and  
60° taper O-Ring

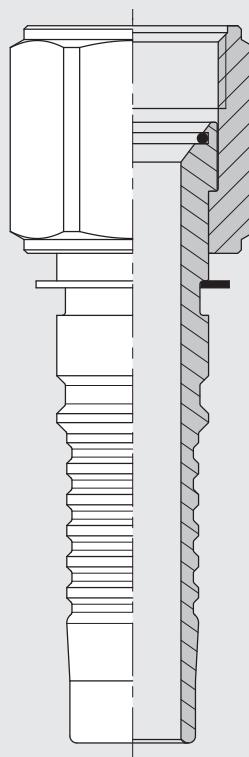
ISO 12151-6 (ISO 8434-6)

Standard material of O-rings is NBR



tube size			d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
DN	Inch	Dash	BSP								
19	3/4	-12	G 3/4	14	127.5	65.5	68.5	32	17,1 x 1,6	7000303700	HF/60-SWOE-20-DN19-IL
25	1	-16	G 1	19	158	84	82	41	22,1 x 1,6	7000303800	HF/60-SWOE-25-DN25-IL
31	1 1/4	-20	G 1 1/4	25	182	102	106.5	50	29,1 x 1,6	7000303900	HF/60-SWOE-32-DN31-IL
38	1 1/2	-24	G 1 1/2	31	215.5	124	123.5	60	35,1 x 1,6	7000304000	HF/60-SWOE-38-DN38-IL
51	2	-32	G 2	41	248	144	144.5	70	48,1 x 1,6	7000304100	HF/60-SWOE-50-DN51-IL

Hose fittings with UN/UNF thread and  
37° cone O-ring

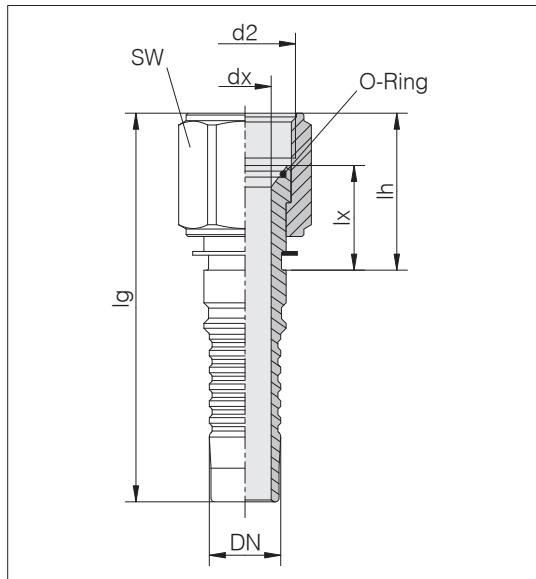


## MDKOJ

Hose fittings with UN/UNF thread and  
37° cone (JIC) O-Ring

In accordance with ISO 12151-5 (ISO 8434-2)

, the standard material for O-rings is NBR



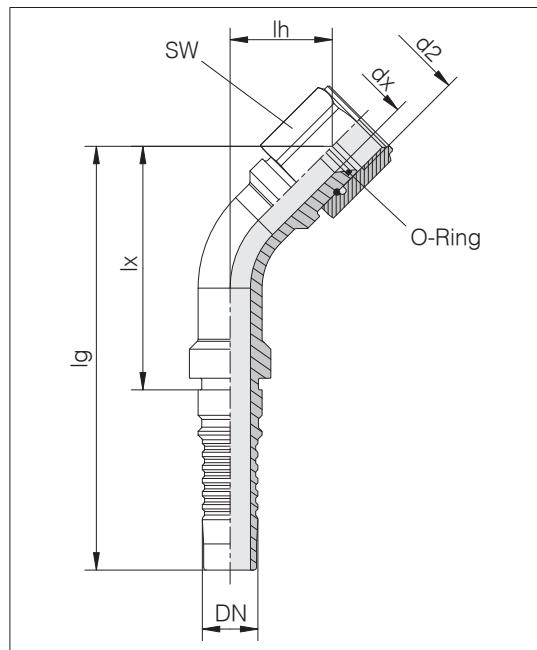
tube size			d2	dx	l_g	l_x	l_h	SW	O-ring	Order-No.	Designation
DN	Inch	Dash	UN/UNF								
19	3/4	-12	1 1/16-12 UN	14	104	28	42	32	19 x 1,5	7000304700	HF/37-SWS-20-DN19-IL
25	1	-16	1 5/16-12 UN	19	119	29,5	45	41	25 x 1,5	7000304800	HF/37-SWS-25-DN25-IL
31	1 1/4	-20	1 5/8-12 UN	25	129	35	49	50	31,47 x 1,78	7000304900	HF/37-SWS-30-DN31-IL
38	1 1/2	-24	1 7/8-12 UN	31	152	40,5	60,5	55	37,82 x 1,78	7000305000	HF/37-SWS-38-DN38-IL
51	2	-32	2 1/2-12 UN	42	170	42	66	75	50 x 2	7000305100	HF/37-SWS-50-DN51-IL

## MDKOJ 45

Hose fittings with UN/UNF thread and  
37° cone (JIC) O-Ring

In accordance with ISO 12151-5 (ISO 8434-2)

, the standard material for O-rings is NBR



tube size		d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
DN	Inch	Dash	UN/UNF							
19	3/4	-12	1 1/16-12 UN	14	140	78	34.5	32	19 x 1,5	HF/37-SWE45-20-DN19-IL
25	1	-16	1 5/16-12 UN	19	169.5	95.5	39	41	25 x 1,5	HF/37-SWE45-25-DN25-IL
31	1 1/4	-20	1 5/8-12 UN	25	199	119	49.5	50	31,47 x 1,78	HF/37-SWE45-30-DN31-IL
38	1 1/2	-24	1 7/8-12 UN	31	233	141.5	58	55	37,82 x 1,78	HF/37-SWE45-38-DN38-IL <sup>2)</sup>
51	2	-32	2 1/2-12 UN	41	275	171	64	75	50 x 2	HF/37-SWE45-50-DN51-IL <sup>2)</sup>

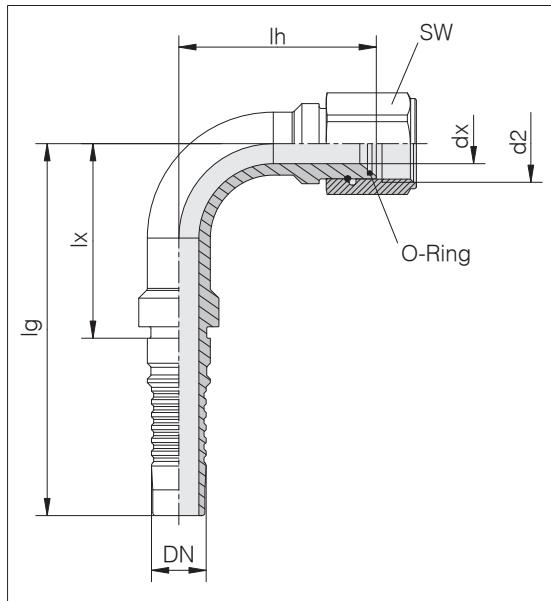
<sup>2)</sup> Special sizes only on request

## MDKOJ 90

Hose fittings with UN/UNF thread and  
37° cone (JIC) O-Ring

In accordance with ISO 12151-5 (ISO 8434-2)

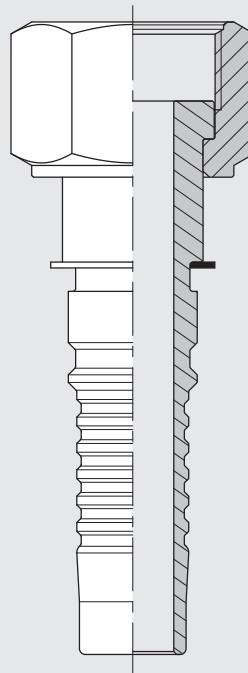
, the standard material for O-rings is NBR



tube size		d2	dx	lg	lx	lh	SW	O-ring	Order-No.	Designation
DN	Inch	UN/UNF								
19	3/4	-12	1 1/16-12 UN	14	127.5	65.5	68.5	32	19 x 1,5	7000305200 HF/37-SWE-20-DN19-IL
25	1	-16	1 5/16-12 UN	19	158	84	82	41	25 x 1,5	7000305300 HF/37-SWE-25-DN25-IL
31	1 1/4	-20	1 5/8-12 UN	25	180	100	103	50	31,47 x 1,78	7000305400 HF/37-SWE-30-DN31-IL
38	1 1/2	-24	1 7/8-12 UN	31	215.5	124	120.5	55	37,82 x 1,78	7000305500 HF/37-SWE-38-DN38-IL
51	2	-32	2 1/2-12 UN	41	248	144	138.5	75	50 x 2	7000305600 HF/37-SWE-50-DN51-IL <sup>2)</sup>

<sup>2)</sup> Special sizes only on request

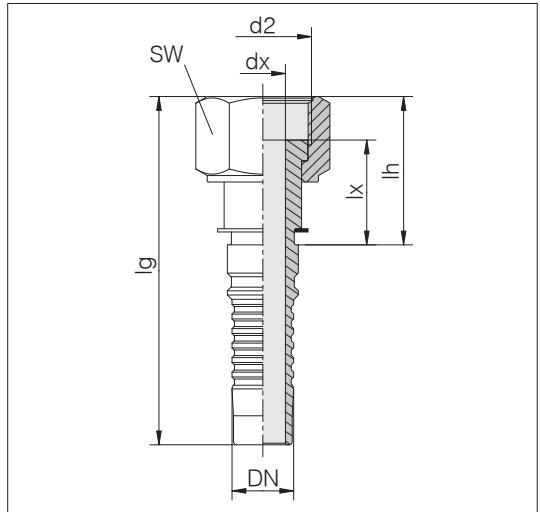
## Hose fittings ORFS with UN/UNF thread



## MORFS

Hose fittings with UN/UNF thread and face sealing (ORFS)

ISO 12151-1 (ISO 8434-3)

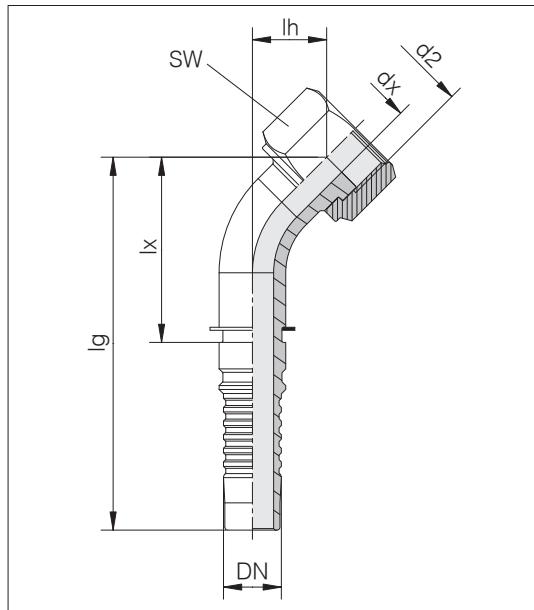


tube size			d2 UN/UNF	dx	lg	lx	lh	SW	Order-No.	Designation
DN	Inch	Dash								
19	3/4	-12	1 3/16 - 12 UN	14	108	32.5	46	36	7000306200	HF/90-SWS-22-DN19-IL
19	3/4	-12	1 7/16 - 12 UN	14	109	33.5	47	41	7000306300	HF/90-SWS-25-DN19-IL
25	1	-16	1 7/16 - 12 UN	19	122	34.5	48	41	7000306400	HF/90-SWS-25-DN25-IL
31	1 1/4	-20	1 11/16 - 12 UN	25	129	35.5	49	50	7000306500	HF/90-SWS-30-DN31-IL
38	1 1/2	-24	2 - 12 UN	31	141	36	49.5	60	7000306600	HF/90-SWS-38-DN38-IL

## MORFS 45

Hose Fittings with UN/UNF thread and front sealing (ORFS)

ISO 12151-1 (ISO 8434-3)

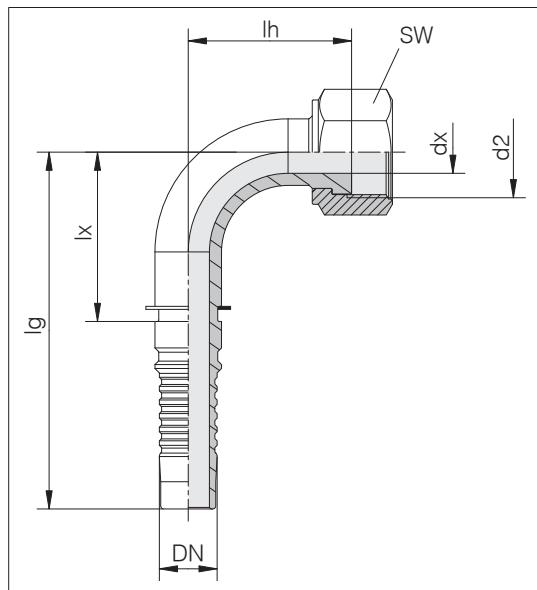


tube size			d2	dx	lg	lx	lh	SW	Order-No.	Designation
DN	Inch	Dash	UN/UNF							
19	3/4	-12	1 3/16 - 12 UN	14	133	71	26.5	36	7000307200	HF/90-SWE45-22-DN19-IL
19	3/4	-12	1 7/16 - 12 UN	14	135.5	73.5	29.5	41	7000307300	HF/90-SWE45-25-DN19-IL
25	1	-16	1 7/16 - 12 UN	19	160.5	86.5	31	41	7000307400	HF/90-SWE45-25-DN25-IL
31	1 1/4	-20	1 11/16 - 12 UN	25	178	98	34.5	50	7000307500	HF/90-SWE45-30-DN31-IL
38	1 1/2	-24	2 - 12 UN	31	209	117.5	39	60	7000307600	HF/90-SWE45-38-DN38-IL

## MORFS 90

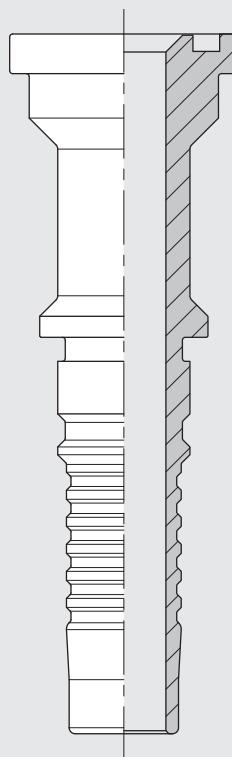
Hose Fittings with UN/UNF thread and front sealing (ORFS)

ISO 12151-1 (ISO 8434-3)



tube size			d2	dx	lg	lx	lh	SW	Order-No.	Designation
DN	Inch	Dash	UN/UNF							
19	3/4	-12	1 3/16 - 12 UN	14	126	64	56	36	7000306700	HF/90-SWE-22-DN19-IL
19	3/4	-12	1 7/16 - 12 UN	14	126	64	60	41	7000306800	HF/90-SWE-25-DN19-IL
25	1	-16	1 7/16 - 12 UN	19	157.5	83.5	70.5	41	7000306900	HF/90-SWE-25-DN25-IL
31	1 1/4	-20	1 11/16 - 12 UN	25	174.5	94.5	76	50	7000307000	HF/90-SWE-30-DN31-IL
38	1 1/2	-24	2 - 12 UN	31	207	115.5	88.5	60	7000307100	HF/90-SWE-38-DN38-IL

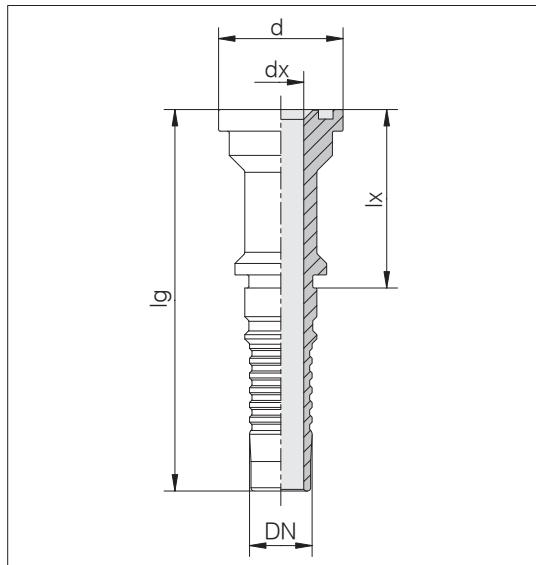
## Hose fittings with SAE flange standard series (3000 psi)



## MFL3

Hose fittings with SAE flange  
standard series (3000 psi)

ISO 12151-3 (ISO 6162-1)

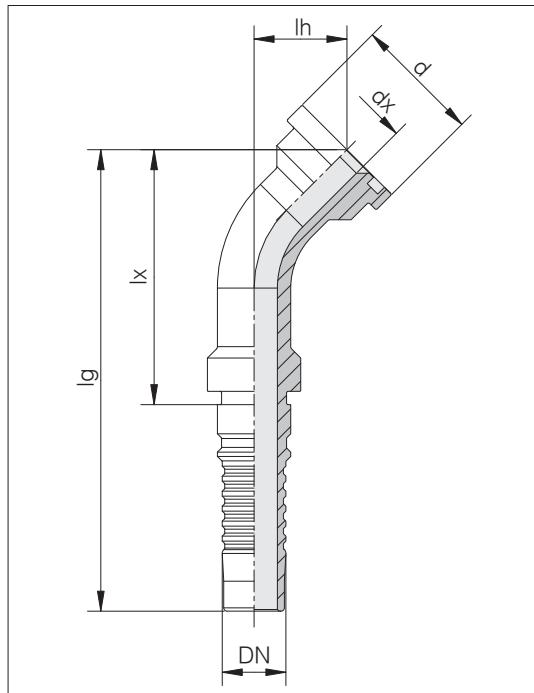


Fl. size inch	tube size			d	dx	lg	lx	Order-No.	Designation
	DN	Inch	Dash						
3/4	19	3/4	-12	38	14	116.5	54.5	7000097000	HF/F-S-DN19-3S3/4-IL
1	19	3/4	-12	44.5	14	119.5	57.5	7000097100	HF/F-S-DN19-3S1-IL
1	25	1	-16	44.5	19	135.5	61.5	7000097300	HF/F-S-DN25-3S1-IL
1 1/4	25	1	-16	50.8	19	138.5	64.5	7000097400	HF/F-S-DN25-3S11/4-IL
1 1/4	31	1 1/4	-20	50.8	25	148.5	68.5	7000097500	HF/F-S-DN31-3S11/4-IL
1 1/2	31	1 1/4	-20	60.3	25	151.5	71.5	7000097600	HF/F-S-DN31-3S11/2-IL
1 1/2	38	1 1/2	-24	60.3	31	166.5	75	7000097700	HF/F-S-DN38-3S11/2-IL
2	38	1 1/2	-24	71.4	31	169.5	78	7000097800	HF/F-S-DN38-3S2-IL
2	51	2	-32	71.4	42	183.5	79.5	7000097900	HF/F-S-DN51-3S2-IL

## MFL3 45

Hose fittings with SAE flange  
standard series (3000 psi)

ISO 12151-3 (ISO 6162-1)



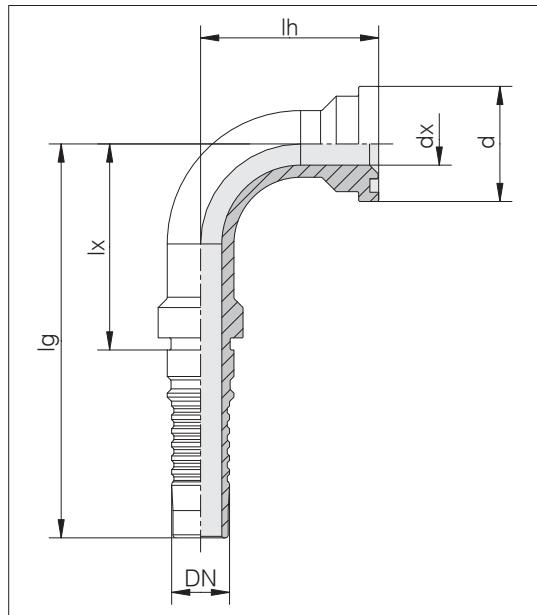
Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
3/4	19	3/4	-12	38	14	132.5	70.5	27.5	7000098000	HF/F-E45-DN19-3S3/4-IL
1	19	3/4	-12	44.5	14	134.5	72.5	29.5	7000098100	HF/F-E45-DN19-3S1-IL
1	25	1	-16	44.5	19	159	85	28.5	7000098400	HF/F-E45-DN25-3S1-IL
1 1/4	25	1	-16	50.8	19	161	87	30.5	7000098300	HF/F-E45-DN25-3S11/4-IL
1 1/4	31	1 1/4	-20	50.8	25	181.5	101.5	34.5	7000098500	HF/F-E45-DN31-3S11/4-IL
1 1/2	31	1 1/4	-20	60.3	25	187	107	37.5	7000098600	HF/F-E45-DN31-3S11/2-IL
1 1/2	38	1 1/2	-24	60.3	31	212.5	121	41.5	7000098700	HF/F-E45-DN38-3S11/2-IL
2	38	1 1/2	-24	71.4	31	233.5	142	58.5	7000098800	HF/F-E45-DN38-3S2-IL <sup>2)</sup>
2	51	2	-32	71.4	41	261.5	157.5	58.5	7000098900	HF/F-E45-DN51-3S2-IL

<sup>2)</sup> Special sizes only on request

## MFL3 90

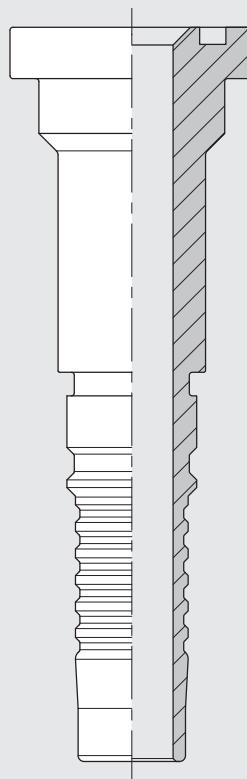
Hose fittings with SAE flange  
standard series (3000 psi)

ISO 12151-3 (ISO 6162-1)



Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
3/4	19	3/4	-12	38	14	127.5	65.5	58	7000099000	HF/F-E-DN19-3S3/4-IL
1	19	3/4	-12	44.5	14	127.5	65.5	61	7000099100	HF/F-E-DN19-3S1-IL
1	25	1	-16	44.5	19	158	84	67	7000099300	HF/F-E-DN25-3S1-IL
1 1/4	25	1	-16	50.8	19	155	81	70.5	7000099400	HF/F-E-DN25-3S11/4-IL
1 1/4	31	1 1/4	-20	50.8	25	180.5	100.5	79.5	7000099500	HF/F-E-DN31-3S11/4-IL
1 1/2	31	1 1/4	-20	60.3	25	182	102	87	7000099600	HF/F-E-DN31-3S11/2-IL
1 1/2	38	1 1/2	-24	60.3	31	208.5	117	99	7000099700	HF/F-E-DN38-3S11/2-IL
2	38	1 1/2	-24	71.4	31	218	126.5	104	7000099800	HF/F-E-DN38-3S2-IL
2	51	2	-32	71.4	41	248.5	144.5	122.5	7000099900	HF/F-E-DN51-3S2-IL

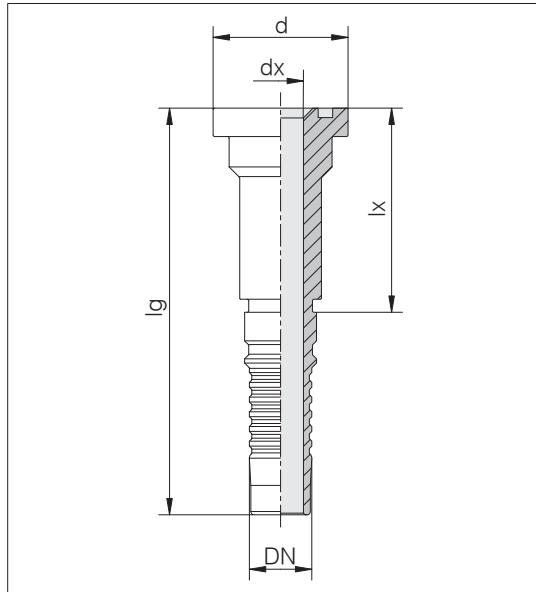
## Hose fittings with SAE flange high pressure series (6000 psi)



## MFL6

Hose fittings with SAE flange  
high pressure series (6000 psi)

ISO 12151-3 (ISO 6162-2)

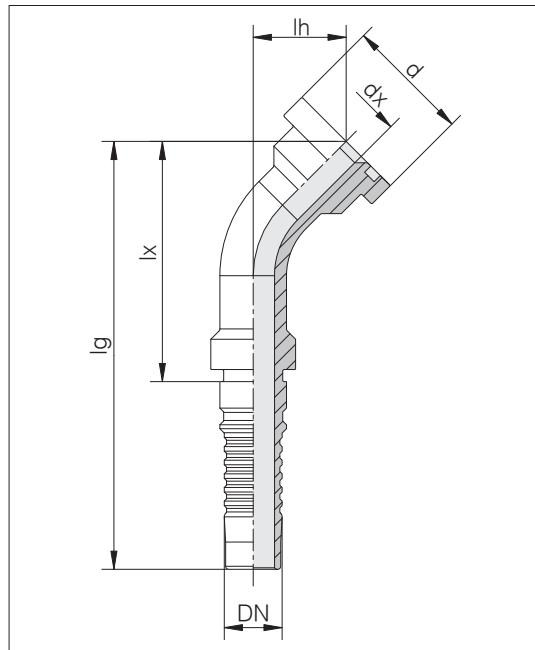


Fl. size inch	tube size			d	dx	lg	lx	Order-No.	Designation
	DN	Inch	Dash						
3/4	19	3/4	-12	41.3	14	124.5	62.5	7000100000	HF/F-S-DN19-6S3/4-IL
3/4	25	1	-16	41.3	14	137.5	63.5	7000100200	HF/F-S-DN25-6S3/4-IL
1	19	3/4	-12	47.6	14	129	67	7000100100	HF/F-S-DN19-6S1-IL
1	25	1	-16	47.6	19	146.5	72.5	7000100300	HF/F-S-DN25-6S1-IL
1	31	1 1/4	-20	47.6	19	153.5	73.5	7002296900	HF/F-S-DN31-6S1-IL
1 1/4	25	1	-16	54	19	151	77	7000100400	HF/F-S-DN25-6S11/4-IL
1 1/4	31	1 1/4	-20	54	25	162.5	82.5	7000100500	HF/F-S-DN31-6S11/4-IL
1 1/4	38	1 1/2	-24	54	25	174.5	83	7002297000	HF/F-S-DN38-6S11/4-IL
1 1/2	31	1 1/4	-20	63.5	25	167	87	7000100600	HF/F-S-DN31-6S11/2-IL
1 1/2	38	1 1/2	-24	63.5	31	183.5	92	7000100700	HF/F-S-DN38-6S11/2-IL
1 1/2	51	2	-32	63.5	31	199	95	7002297100	HF/F-S-DN51-6S11/2-IL
2	38	1 1/2	-24	79.4	31	188	96.5	7002297200	HF/F-S-DN38-6S2-IL
2	51	2	-32	79.4	42	202	98	7000100800	HF/F-S-DN51-6S2-IL

## MFL6 45

Hose fittings with SAE flange  
high pressure series (6000 psi)

ISO 12151-3 (ISO 6162-2)

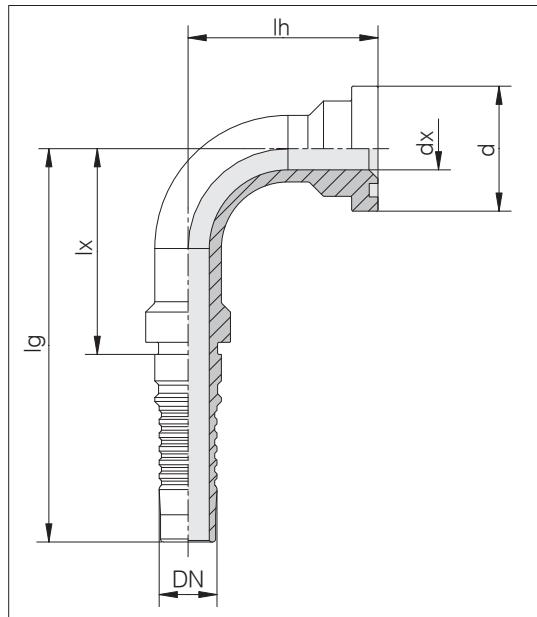


Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
3/4	19	3/4	-12	41.3	14	135.5	73.5	30	7000100900	HF/F-E45-DN19-6S3/4-IL
3/4	25	1	-16	41.3	14	150.5	76.5	30	7002297600	HF/F-E45-DN25-6S3/4-IL
1	19	3/4	-12	47.6	14	139.5	77.5	34.5	7000101000	HF/F-E45-DN19-6S1-IL
1	25	1	-16	47.6	19	164	90	33.5	7000101200	HF/F-E45-DN25-6S1-IL
1	31	1 1/4	-20	47.6	19	173.5	93.5	33.5	7000072300	HF/F-E45-DN31-6S1
1 1/4	25	1	-16	54	19	169	95	38.5	7000101300	HF/F-E45-DN25-6S11/4-IL
1 1/4	31	1 1/4	-20	54	25	191	111	41.5	7000101400	HF/F-E45-DN31-6S11/4-IL
1 1/4	38	1 1/2	-24	54	25	205	113.5	41.5	7002297700	HF/F-E45-DN38-6S11/4-IL
1 1/2	31	1 1/4	-20	63.5	25	197	117	47.5	7000101500	HF/F-E45-DN31-6S11/2-IL
1 1/2	38	1 1/2	-24	63.5	31	222	130.5	49	7000101600	HF/F-E45-DN38-6S11/2-IL
2	38	1 1/2	-24	79.4	31	236	144.5	61	7002297800	HF/F-E45-DN38-6S2-IL
2	51	2	-32	79.4	41	275	171	64.5	7000101700	HF/F-E45-DN51-6S2-IL

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Hose fittings with SAE flange  
high pressure series (6000 psi)

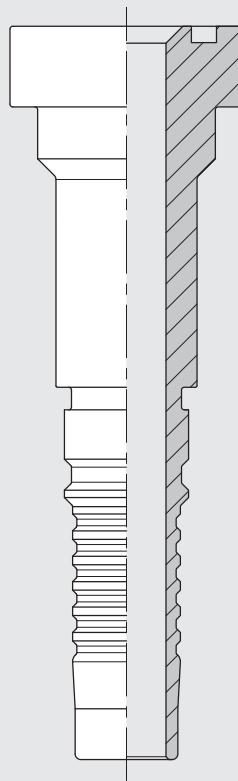
ISO 12151-3 (ISO 6162-2)



Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
3/4	19	3/4	-12	41.3	14	127.5	65.5	62	7000101800	HF/F-E-DN19-6S3/4-IL
3/4	25	1	-16	41.3	14	142.5	68.5	62	7002297300	HF/F-E-DN25-6S3/4-IL
1	19	3/4	-12	47.6	14	127.5	65.5	68	7000101900	HF/F-E-DN19-6S1-IL
1	25	1	-16	47.6	19	154.5	80.5	74	7000102100	HF/F-E-DN25-6S1-IL
1	31	1 1/4	-20	47.6	19	164	84	74	7000073900	HF/F-E-DN31-6S1
1 1/4	25	1	-16	54	19	156	82	83.5	7000102200	HF/F-E-DN25-6S11/4-IL
1 1/4	31	1 1/4	-20	54	25	182	102	93	7000102300	HF/F-E-DN31-6S11/4-IL
1 1/4	38	1 1/2	-24	54	25	196	104.5	93	7002297400	HF/F-E-DN38-6S11/4-IL
1 1/2	31	1 1/4	-20	63.5	25	182	102	101.5	7000102400	HF/F-E-DN31-6S11/2-IL
1 1/2	38	1 1/2	-24	63.5	31	213.5	122	110	7000102500	HF/F-E-DN38-6S11/2-IL
2	38	1 1/2	-24	79.4	31	215.5	124	126	7002297500	HF/F-E-DN38-6S2-IL
2	51	2	-32	79.4	41	250.5	146.5	141	7000102600	HF/F-E-DN51-6S2-IL

<sup>2)</sup> Special sizes only on request

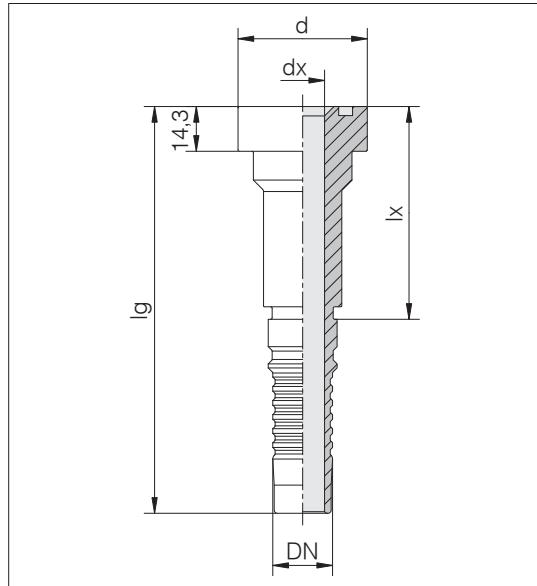
## Hose fittings with flange high pressure series (9000 psi)



## MFLCAT

Hose fittings with flange  
high pressure series (9000 psi)

ISO 12151-3 (ISO 6162-2)

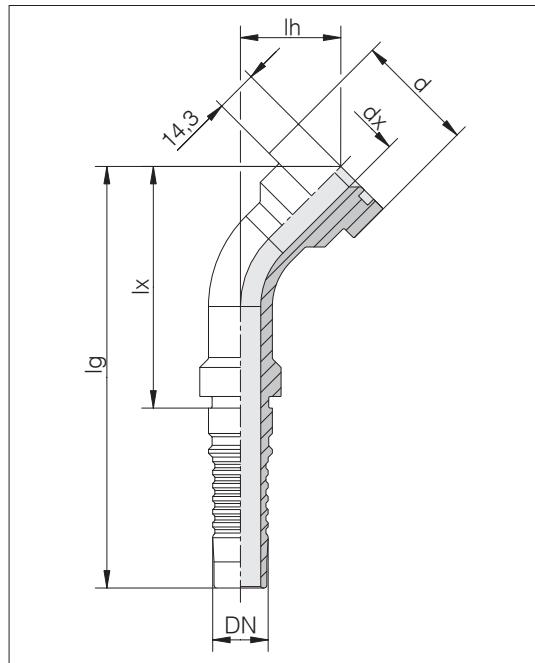


Fl. size inch	tube size			d	dx	lg	lx	Order-No.	Designation
	DN	Inch	Dash						
3/4	19	3/4	-12	41.3	14	130	68	7000309800	HF/F-CS-DN19-6S3/4-IL
1	19	3/4	-12	47.6	14	133.5	71.5	7000309900	HF/F-CS-DN19-6S1-IL
1	25	1	-16	47.6	19	150	76	7000310000	HF/F-CS-DN25-6S1-IL
1 1/4	25	1 1/4	-16	54	19	155	81	7000310100	HF/F-CS-DN25-6S11/4-IL
1 1/4	31	1 1/4	-20	54	25	166.5	86.5	7000310200	HF/F-CS-DN31-6S11/4-IL
1 1/2	31	1 1/4	-20	63.5	25	168.5	88.5	7000310300	HF/F-CS-DN31-6S11/2-IL
1 1/2	38	1 1/2	-24	63.5	31	185	93.5	7000310400	HF/F-CS-DN38-6S11/2-IL

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Hose fittings with flange  
high pressure series (9000 psi)

ISO 12151-3 (ISO 6162-2)



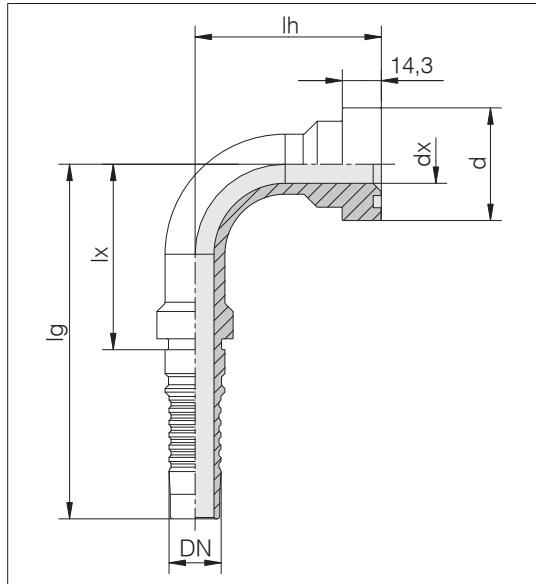
F. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
3/4	19	3/4	-12	41.3	14	139	77	34	7000311200	HF/F-CE45-DN19-6S3/4-IL <sup>2)</sup>
1	19	3/4	-12	47.6	14	143	81	37.5	7000311300	HF/F-CE45-DN19-6S1-IL <sup>2)</sup>
1	25	1	-16	47.6	19	167	93	36.5	7000311400	HF/F-CE45-DN25-6S1-IL
1 1/4	25	1	-16	54	19	172	98	41.5	7000311500	HF/F-CE45-DN25-6S11/4-IL
1 1/4	31	1 1/4	-20	54	25	194	114	44.5	7000311600	HF/F-CE45-DN31-6S11/4-IL
1 1/2	31	1 1/4	-20	63.5	25	198	118	48.5	7000311700	HF/F-CE45-DN31-6S11/2-IL <sup>2)</sup>
1 1/2	38	1 1/2	-24	63.5	31	224	132.5	51	7000311800	HF/F-CE45-DN38-6S11/2-IL <sup>2)</sup>

<sup>2)</sup> Special sizes only on request

## MFLCAT 90

Hose fittings with flange  
high pressure series (9000 psi)

ISO 12151-3 (ISO 6162-2)



Fl. size inch	tube size			d	dx	lg	lx	lh	Order-No.	Designation
	DN	Inch	Dash							
3/4	19	3/4	-12	41.3	14	127.5	65.5	67.5	7000310500	HF/F-CE-DN19-6S3/4-IL
1	19	3/4	-12	47.6	14	127.5	65.5	72.5	7000310600	HF/F-CE-DN19-6S1-IL
1	25	1	-16	47.6	19	158	84	78.5	7000310700	HF/F-CE-DN25-6S1-IL
1 1/4	25	1	-16	54	19	158	84	85	7000310800	HF/F-CE-DN25-6S11/4-IL
1 1/4	31	1 1/4	-20	54	25	182	102	97	7000310900	HF/F-CE-DN31-6S11/4-IL
1 1/2	31	1 1/4	-20	63.5	25	182	102	103	7000311000	HF/F-CE-DN31-6S11/2-IL <sup>2)</sup>
1 1/2	38	1 1/2	-24	63.5	31	214	122.5	111.5	7000311100	HF/F-CE-DN38-6S11/2-IL

<sup>2)</sup> Special sizes only on request

P.

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