

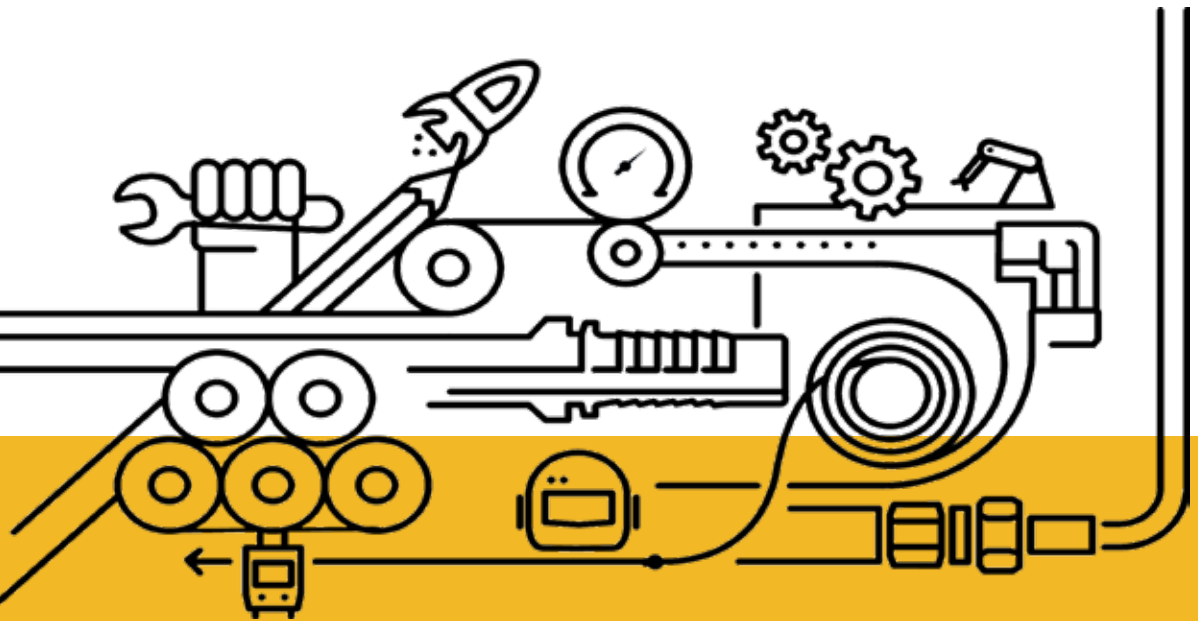
HyperSpiral

We feel better under pressure



No skive series
for spiral hoses





We feel better under pressure

Complete product range

Vitillo is your solution for any hydraulic applications. Spiral and braided hoses with metal and textile reinforcement, standard and interlock press fittings, BSP, JIC, DIN and ORFS adaptors, customized special fittings.

All our fittings and adaptors are available in Zinc chromium III plating, Zinc-nichel plating and Stainless steel.

Whatever the customer's question, Vitillo has the answer.



Hoses



Press fittings
ISO 12151 SAE J516



BSP adaptors
BS 5200



JIC adaptors
SAE J514



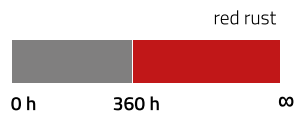
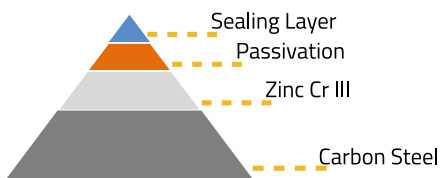
DIN 24° adaptors
DIN 2353



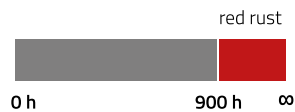
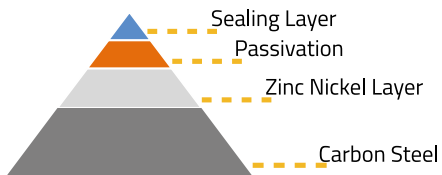
ORFS adaptors
ORFS J1453

Alternative Versions

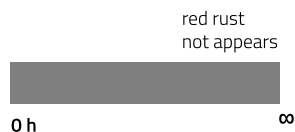
Zinc Chromium III



Zinc Nickel



Stainless Steel





Applications



High performances in very extreme conditions



Certifications



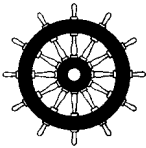
MINE SAFETY AND HEALTH
ADMINISTRATION
(MSHA)



DET NORSKE VERITAS (DNV)
GERMANISCHER LLOYD (GL)



RINA (Registro Navale Italiano)



MarED



GOST-R



TEST
Opniujacej Atestujacej I Certyfikujacej
Wiroby Test Sp z.o.o.

EN 45545



UNI EN 45545-2

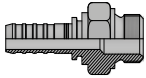
Visual index

HB.NS
FERRULE
FOR SPIRAL HOSE
 (no skive) / Pg. 15

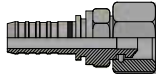


FERRULE

HMG
BSPP MALE 60° CONE
 / Pg. 16

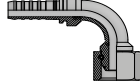


HF4G.SP
BSPP FEMALE
 (thrust-wire nut)
 / Pg. 17

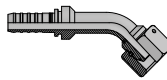


BSP

HF90G.SP
BSPP FEMALE 90°
ELBOW (thrust-wire nut)
 / Pg. 18



HF45G.SP
BSPP FEMALE 45°
ELBOW (thrust-wire nut)
 / Pg. 19

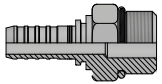


HMNPTF
NPTF MALE
 / Pg. 20



NPTF

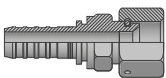
HMOB
O-RING BOSS MALE
 / Pg. 21



HMJ
JIC 37° MALE
 / Pg. 22

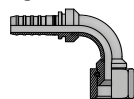


HFDJ SP
JIC 37° FEMALE
 (thrust-wire nut)
 / Pg. 23

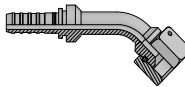


JIC

HF90J SP
JIC 37° FEMALE SWIVEL
90° (thrust-wire nut)
 / Pg. 24

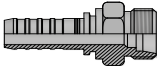


HF45J SP
JIC 37° FEMALE SWIVEL
45° (thrust-wire nut)
 / Pg. 25

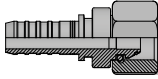


Visual index

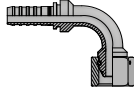
HME.L
METRIC MALE 24°
CONE L TYPE / Pg. 26



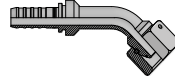
HFE.L
METRIC FEMALE 24°
CONE L TYPE / Pg. 27



HF90E.L
METRIC FEMALE
24° CONE 90° ELBOW
L TYPE / Pg. 28



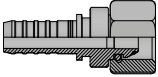
HF45E.L
METRIC FEMALE
24° CONE 45° ELBOW
L TYPE / Pg. 29



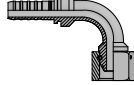
HME.S
METRIC MALE
24° CONE -S TYPE
/ Pg. 30



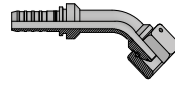
HFE.S
METRIC FEMALE
24° CONE -S TYPE
/ Pg. 31



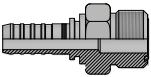
HF90E.S
METRIC FEMALE
24° CONE 90° ELBOW
S TYPE / Pg. 32



HF45E.S
METRIC FEMALE
24° CONE 45° ELBOW
S TYPE / Pg. 33



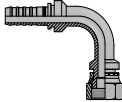
HMORFS
ORFS MALE
/ Pg. 34



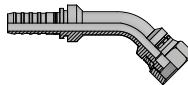
HFORFS
ORFS FEMALE
(doble exagon) / Pg. 35



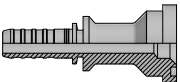
HF90ORFS
ORFS FEMALE SWIVEL
90° ELBOW / Pg. 36



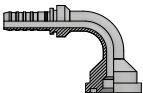
HF45ORFS
ORFS FEMALE SWIVEL
45° ELBOW / Pg. 37



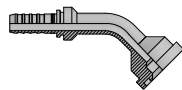
HFDL
FLANGE CODE 61
3000 PSI / Pg. 38



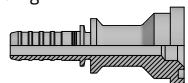
HF90L
FLANGE CODE 61
90° ELBOW 3000 PSI
/ Pg. 39



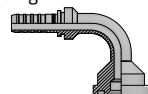
HF45L
FLANGE CODE 61
45° ELBOW 3000 PSI
/ Pg. 40



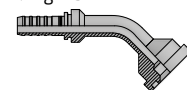
HFDP
FLANGE CODE 62
6000 PSI
/ Pg. 41



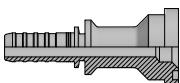
HF90P
FLANGE CODE 62
90° ELBOW 6000 PSI
/ Pg. 42



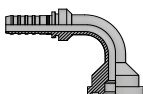
HF45P
FLANGE CODE 62
45° ELBOW 6000 PSI
/ Pg. 43



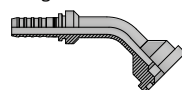
HFDS
SUPERCAT FLANGE
/ Pg. 44



HF90S
SUPERCAT FLANGE
90° ELBOW
/ Pg. 45



HF45S
SUPERCAT FLANGE
90° ELBOW
/ Pg. 46



METRIC / DIN

ORFS

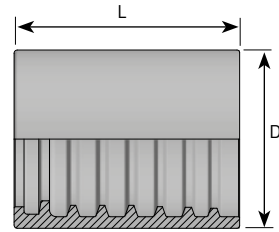
FLANGES

Visual index

FERRULE FOR SPIRAL HOSE

BOCCOLA PER TUBO SPIRALATO
 JUPE POUR
 PRESSHÜLSE
 CASQUILLO PARA

No skive - Senza pelatura - Non-dénudable -
 Nichtschaelfassung - Sin pelar

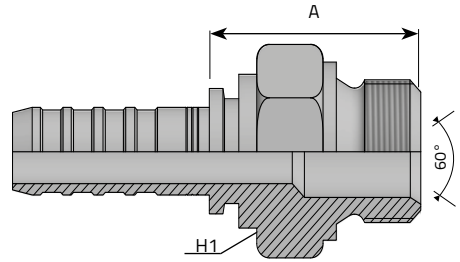


Code	Tube			Thread	Dimensions	
	D.N.	Hose Inch	Diam mm		D mm	L mm
HB4NS06	-6	3/8"	9.5		33	43.9
HB4NS08	-8	1/2"	12.8		36	45.5
HB4NS10	-10	5/8"	16		42	50.3
HB4NS12	-12	3/4"	19		45	55.2
HB4NS16	-16	1"	25.4		54	68.3
HB4NS20	-20	1.1/4"	31.8		66	74.3
* HB6NS20	-20	1.1/4"	31.8		69	74.3

* **FOR HOSE 4SP - R13 - R15**
PER TUBO 4SP - R13 - R15

BSPP MALE - 60° CONE

MASCHIO BSPP SV 60°
 MÂLE BSPP CÔNE 60°
 AGR 60° INNENKONUS (BSPP GEWINDE)
 MACHO FIJO BSPP CONO 60°

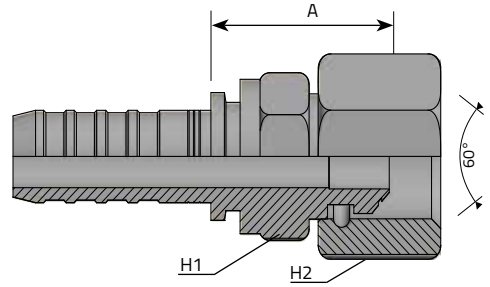


Code	Tube			Thread			Dimensions	
	D.N.	Hose	Diam	T	t/1"	H1	A	
		Inch	mm	Inch		mm	mm	
HMG0606	-6	3/8"	9.5	3/8"	19	22	33.5	
HMG0608	-6	3/8"	9.5	1/2"	14	27	36	
HMG0806	-8	1/2"	12.8	3/8"	19	27	33.5	
HMG0808	-8	1/2"	12.8	1/2"	14	27	36	
HMG0810	-8	1/2"	12.8	5/8"	14	30	38	
HMG0812	-8	1/2"	12.8	3/4"	14	32	33.5	
HMG1010	-10	5/8"	16	5/8"	14	32	39	
HMG1012	-10	5/8"	16	3/4"	14	32	39	
HMG1016	-10	5/8"	16	1"	11	38	42.5	
HMG1208	-12	3/4"	19	1/2"	14	34	37	
HMG1210	-12	3/4"	19	5/8"	14	34	39Z	
HMG1212	-12	3/4"	19	3/4"	14	34	39	
HMG1216	-12	3/4"	19	1"	11	38	42.5	
HMG1612	-16	1"	25.4	1"	11	42	41	
HMG1616	-16	1"	25.4	1"	11	42	42.5	
HMG1620	-16	1"	25.4	1.1/4"	11	50	44	
HMG2020	-20	1.1/4"	31.8	1.1/4"	11	50	50.2	
HMG2024	-20	1.1/4"	31.8	1.1/2"	11	55	51.2	

BSPP FEMALE - 60° CONE THRUST-WIRE NUT

FEMMINA DIRITTA BSPP SV 60° DADO SPINATO CON O-RING
FEMELLE DROITE BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)
DKOR 60° KONUS MIT O-RING (BSPP- GEWINDE) + GESTIFTETE
ÜBERWURFMUTTER
HEMBRA GIRATORIA RECTA BSPP CON O-RING CONO 60°
(TUERCA CON SEGURO)

* : without o-ring / senza o-ring

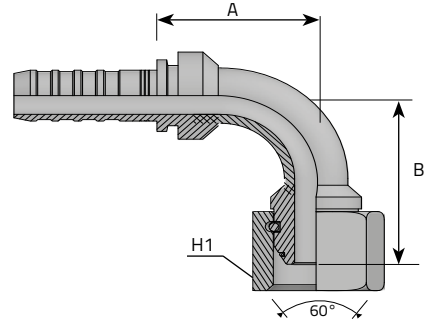


	Code	Tube		Thread			Dimensions		
		D.N.	Hose	Diam	T	t/1"	H1	H2	A
		Inch	mm	Inch		mm	mm		
*	HFDG0606SP	-6	3/8"	9.5	3/8"	19	22	22	32
*	HFDG0608SP	-6	3/8"	9.5	1/2"	14	22	27	33
*	HFDG0806SP	-8	1/2"	12.8	3/8"	19	27	22	32
*	HFDG0808SP	-8	1/2"	12.8	1/2"	14	27	27	33
*	HFDG0810SP	-8	1/2"	12.8	5/8"	14	-	-	-
	HFDG0812SP	-8	1/2"	12.8	3/4"	14	27	32	37
*	HFDG1008SP	-10	5/8"	16	1/2"	14	32	27	34
	HFDG1010SP	-10	5/8"	16	5/8"	14	-	-	-
	HFDG1012SP	-10	5/8"	16	3/4"	14	32	32	38
*	HFDG1208SP	-12	3/4"	19	1/2"	14	34	27	34
	HFDG1212SP	-12	3/4"	19	3/4"	14	34	32	38
	HFDG1216SP	-12	3/4"	19	1"	11	34	41	38
	HFDG1612SP	-16	1"	25.4	3/4"	14	42	32	40
	HFDG1616SP	-16	1"	25.4	1"	11	42	41	40
	HFDG1620SP	-16	1"	25.4	1.1/4"	11	42	50	41.5
	HFDG2020SP	-20	1.1/4"	31.8	1.1/4"	11	50	50	47.7
	HFDG2024SP	-20	1.1/4"	31.8	1.1/2"	11	50	55	49.7

BSPP FEMALE 90° ELBOW THRUST-WIRE NUT

FEMMINA 90° BSPP SV60° DADO SPINATO CON O-RING
 FEMELLE 90° BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)
 DKOR 90° BOGEN 60° KONUS MIT O-RING (BSPP-GEWINDE) +
 GESTIFTETE
 HEMBRA GIRATORIA A 90° BSPP CON O-RING (TUERCA CON SEGURO)

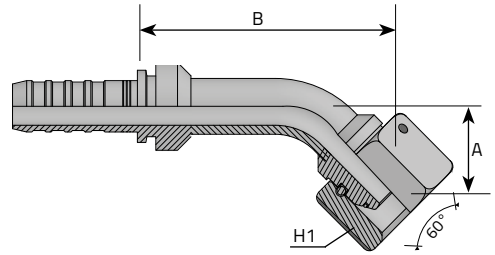
* : without o-ring / senza o-ring



	Code	Tube		Thread			Dimensions		
		D.N.	Hose	Diam	T	t/1"	H1	B	A
		Inch	mm	Inch		mm	mm	mm	
*	HF90G0606SP	-6	3/8"	9.5	3/8"	19	22	41,0	39,0
*	HF90G0608SP	-6	3/8"	9.5	1/2"	14	27	42,5	39,0
*	HF90G0806SP	-8	1/2"	12.8	3/8"	19	22	43,0	43,5
*	HF90G0808SP	-8	1/2"	12.8	1/2"	14	27	46,0	43,5
	HF90G0812SP	-8	1/2"	12.8	3/4"	14	27	51,5	43,5
*	HF90G1008SP	-10	5/8"	16	1/2"	14	32	57,0	55,5
	HF90G1012SP	-10	5/8"	16	3/4"	14	32	56,5	55,5
*	HF90G1208SP	-12	3/4"	19	1/2"	14	27	57,0	59,0
	HF90G1212SP	-12	3/4"	19	3/4"	14	32	61,0	59,0
	HF90G1216SP	-12	3/4"	19	1"	11	34	66,5	59,0
	HF90G1612SP	-16	1"	25.4	3/4"	14	42	71,5	74,0
	HF90G1616SP	-16	1"	25.4	1"	11	42	75,0	78,5
	HF90G1620SP	-16	1"	25.4	1.1/4"	11	42	79,5	78,5
	HF90G2020SP	-20	1.1/4"	31.8	1.1/4"	11	50	92,5	96,7
	HF90G2024SP	-20	1.1/4"	31.8	1.1/2"	11	55	97,5	96,7

BSPP FEMALE 45° ELBOW THRUST-WIRE NUT

FEMMINA 45° BSPP SV60° DADO SPINATO CON O-RING
FEMELLE 45° BSPP AVEC O-RING CÔNE 60° (ÉCROU À JONC)
DKOR 45° BOGEN 60° KONUS MIT O-RING (BSPP-GEWINDE) +
GESTIFTETE
HEMBRA GIRATORIA A 45° BSPP CON O-RING (TUERCA CON SEGURO)

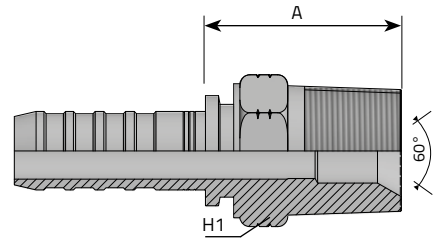


* : without o-ring / senza o-ring

	Code	Tube			Thread		Dimensions		
		D.N.	Hose	Diam	T	t/1"	H1	B	A
		Inch	mm	Inch		mm	mm	mm	
*	HF45G0606SP	-6	3/8"	9.5	3/8"	19	22	22,1	63,1
*	HF45G0608SP	-6	3/8"	9.5	1/2"	14	27	24,4	65,4
*	HF45G0806SP	-8	1/2"	12.8	3/4"	14	22	20,0	67,5
*	HF45G0808SP	-8	1/2"	12.8	1/2"	14	27	23,7	70,2
	HF45G0812SP	-8	1/2"	12.8	3/4"	14	27	21,4	70,9
*	HF45G1008SP	-10	5/8"	16	1/2"	14	32	26,1	70,6
	HF45G1012SP	-10	5/8"	16	3/4"	14	32	26,4	70,9
*	HF45G1208SP	-12	3/4"	19	1/2"	14	27	28,7	68,2
	HF45G1212SP	-12	3/4"	19	3/4"	14	32	30,4	69,9
	HF45G1216SP	-12	3/4"	19	1"	11	-	32,1	71,6
	HF45G1612SP	-16	1"	25.4	3/4"	14	42	38,6	93,1
	HF45G1616SP	-16	1"	25.4	1"	11	42	43,1	97,6
	HF45G1620SP	-16	1"	25.4	1.1/4"	11	42	43,6	98,1
	HF45G2020SP	-20	1.1/4"	31.8	1.1/4"	11	50	43,6	117,3
	HF45G2024SP	-20	1.1/4"	31.8	1.1/2"	11	55	44,3	117,0

NPTF MALE

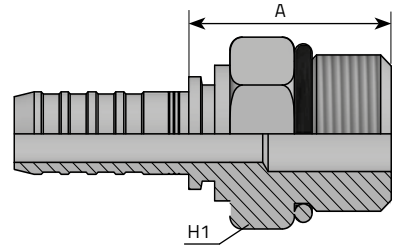
MASCHIO NPTF SV 60°
 MÂLE NPTF CÔNE 60°
 AGN 60° INNENKONUS (NPTF)
 MACHO NPTF CONO 60°



Code	Tube			Thread			Dimensions	
	D.N.	Hose	Diam	T	t/1"	H1	A	
	Inch	mm	Inch	mm	mm	mm	mm	
HMNPTF0606	-6	3/8"	9.5	3/8"	18	22	33.2	
HMNPTF0608	-6	3/8"	9.5	1/2"	14	22	39	
HMNPTF0808	-8	1/2"	12.8	1/2"	14	27	38	
HMNPTF0812	-8	1/2"	12.8	3/4"	14	30	38	
HMNPTF1008	-10	5/8"	16	1/2"	14	32	39	
HMNPTF1012	-10	5/8"	16	3/4"	14	32	39	
HMNPTF1212	-12	3/4"	19	3/4"	14	34	39	
HMNPTF1216	-12	3/4"	19	1"	11.5	36	45.9	
HMNPTF1612	-16	1"	25.4	3/4"	14	42	41	
HMNPTF1616	-16	1"	25.4	1"	11.5	42	49.5	
HMNPTF1620	-16	1"	25.4	1.1/4"	11.5	46	49.6	
HMNPTF2020	-20	1.1/4"	31.8	1.1/4"	11.5	50	52.8	

O-RING BOSS MALE

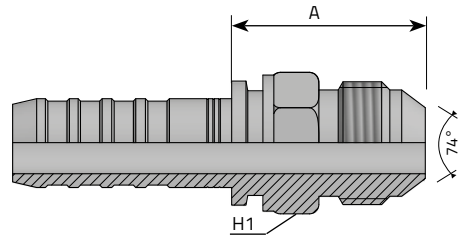
MASCHIO O-RING BOSS
 MÂLE O-RING BOSS
 SAE AUSSERGEWINDE O-RING BOSS
 MACHO FIJO O-RING BOSS (E)



Code	Tube		Thread			Dimensions	
	D.N.	Hose	Diam	T	t/1"	H1	A
	Inch	mm	Inch		mm	mm	
HMOB0606	-6	3/8"	9.5	9/16"	18	22	31
HMOB0608	-6	3/8"	9.5	3/4"	16	22	33
HMOB0610	-6	3/8"	9.5	7/8"	14	21	36
HMOB0808	-8	1/2"	12.8	3/4"	16	27	33
HMOB0810	-8	1/2"	12.8	7/8"	14	27	35
HMOB0812	-8	1/2"	12.8	1.1/16"	12	32	37.5
HMOB1008	-10	5/8"	16	3/4"	16	32	34.0
HMOB1010	-10	5/8"	16	7/8"	14	32	36.0
HMOB1012	-10	5/8"	16	1.1/16"	12	32	38.5
HMOB1212	-12	3/4"	19	1.1/16"	12	34	38.5
HMOB1216	-12	3/4"	19	1.5/16"	12	38	42.5
HMOB1616	-16	1"	25.4	1.5/16"	12	42	40.5
HMOB1620	-16	1"	25.4	1.5/8"	12	46	43.5
HMOB2020	-20	1.1/4"	31.8	1.5/8"	12	50	46.7

JIC 37° MALE

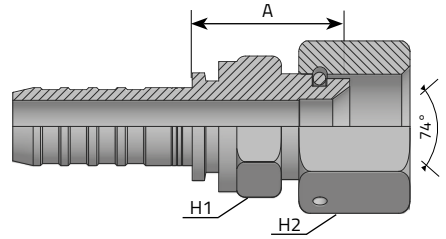
MASCHIO JIC SV 37°
 MÂLE JIC CÔNE 37°
 AGJ 37° JIC AUSSENKONUS (UNF – GEWINDE)
 MACHO JIC CONO 37°(E)



Code	Tube			Thread			Dimensions	
	D.N.	Hose	Diam	T	t/1"	H1	A	
	Inch	mm	Inch		mm	mm		
HMJ0606	-6	3/8"	9.5	9/16"	18	22	33	
HMJ0608	-6	3/8"	9.5	3/4"	16	22	35.5	
HMJ0610	-6	3/8"	9.5	7/8"	14	24	38.5	
HMJ0808	-8	1/2"	12.8	3/4"	16	27	35.5	
HMJ0810	-8	1/2"	12.8	7/8"	14	27	38.5	
HMJ1010	-10	5/8"	16	7/8"	14	32	39.5	
HMJ1012	16	5/8"	10	1.1/16"	12	32	42	
HMJ1210	20	3/4"	12	7/8"	14	34	39.5	
HMJ1212	20	3/4"	12	1.1/16"	12	34	42	
HMJ1214	20	3/4"	12	1.3/16"	12	34	43	
HMJ1216	20	3/4"	12	1.5/16"	12	34	43	
HMJ1612	25	1"	16	1.1/16"	12	42	44	
HMJ1616	25	1"	16	1.5/16"	12	42	45	
HMJ1620	25	1"	16	1.5/8"	12	42	46.5	
HMJ2020	32	1.1/4"	20	1.5/8"	12	50	52.7	
HMJ2024	40	1.1/4"	20	1.7/8"	12	50	57.2	

JIC 37° FEMALE THRUST WIRE NUT

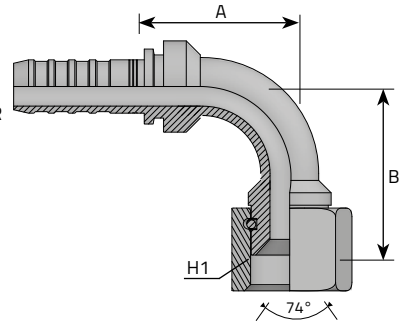
FEMMINA DIRITTA JIC SV 37° DADO SPINATO
FEMELLE DROIT JIC CÔNE 37° (ÉCROU À JONC)
DKJ 37° JIC DICHTKOPF (UNF-GEWINDE) + GESTIFTETE ÜBERWURFMUTTER
HEMBRA GIRATORIA JIC CONO 37° (TUERCA CON SEGURO)



Code	Tube			Thread		Dimensions		
	D.N.	Hose	Diam	T	t/1"	H1	H2	A
		Inch	mm	Inch		mm	mm	mm
HFDJ0606SP	-6	3/8"	9.5	9/16"	18	22	19	29
HFDJ0608SP	-6	3/8"	9.5	3/4"	16	22	24	30
HFDJ0610SP	-6	3/8"	9.5	7/8"	14	22	27	33.4
HFDJ0808SP	-8	1/2"	12.8	3/4"	16	27	24	30
HFDJ0810SP	-8	1/2"	12.8	7/8"	14	27	27	30.4
HFDJ0812SP	-8	1/2"	12.8	1.1/16"	12	27	32	33
HFDJ1010SP	-10	5/8"	16	7/8"	14	32	27	31.4
HFDJ1012SP	-10	5/8"	16	1.1/16"	12	32	32	34
HFDJ1210SP	-12	3/4"	19	7/8"	14	34	27	31.4
HFDJ1212SP	-12	3/4"	19	1.1/16"	12	34	32	34
HFDJ1214SP	-12	3/4"	19	1.3/16"	12	-	-	-
HFDJ1216SP	-12	3/4"	19	1.5/16"	12	34	41	34
HFDJ1612SP	-16	1"	25.4	1.1/16"	12	42	32	36
HFDJ1614SP	-16	1"	25.4	1.3/16"	12	-	-	-
HFDJ1616SP	-16	1"	25.4	1.5/16"	12	42	41	36
HFDJ1620SP	-16	1"	25.4	1.5/8"	12	42	50	40
HFDJ2016SP	-20	1.1/4"	31.8	1.5/16"	12	50	41	41.2
HFDJ2020SP	-20	1.1/4"	31.8	1.5/8"	12	50	50	46.2
HFDJ2024SP	-20	1.1/4"	31.8	1.7/8"	12	50	55	48.2

JIC 37° FEMALE - 90° ELBOW THRUST WIRE NUT

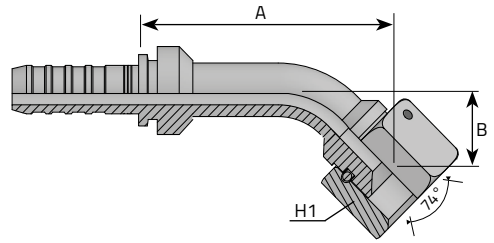
FEMMINA 90° JIC SV 37° CON DADO SPINATO
FEMELLE 90° JIC CÔNE 37° (ÉCROU À JONC)
DKJ 90° BOGEN 37° JIC DICHTKOPF (UNF) + GESTIFTETE ÜBERWURFMUTTER
HEMBRA GIRATORIA JIC CODO 90° CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread			Dimensions		
	D.N.	Hose Inch	Diam mm	T Inch	t/1"	H1 mm	B mm	A mm
HF90J0606SP	-6	3/8"	9.5	9/16"	18	19	37,0	39,0
HF90J0608SP	-6	3/8"	9.5	3/4"	16	24	37,5	39,0
HF90J0610SP	-6	3/8"	9.5	7/8"	14	27	47,0	39,0
HF90J0808SP	-8	1/2"	12.8	3/4"	16	24	41,5	43,5
HF90J0810SP	-8	1/2"	12.8	7/8"	14	27	43,0	43,5
HF90J0812SP	-8	1/2"	12.8	1.1/16"	12	32	50,0	43,5
HF90J1010SP	-10	5/8"	16	7/8"	14	27	50,5	55,5
HF90J1012SP	-10	5/8"	16	1.1/16"	12	32	56,0	55,5
HF90J1210SP	-12	3/4"	19	7/8"	14	27	63,6	59,0
HF90J1212SP	-12	3/4"	19	1.1/16"	12	32	60,5	59,0
HF90J1216SP	-12	3/4"	19	1.5/16"	12	41	65,0	59,0
HF90J1612SP	-16	1"	25.4	1.1/16"	12	32	79,5	74,5
HF90J1616SP	-16	1"	25.4	1.5/16"	12	41	69,0	78,5
HF90J1620SP	-20	1"	31.8	1.5/8"	12	50	77,5	78,5
HF90J2020SP	-20	1.1/4"	31.8	1.5/8"	12	50	90,5	96,7
HF90J2024SP	-20	1.1/4"	31.8	1.7/8"	12	55	98,0	96,7

JIC 37° FEMALE - 45° ELBOW THRUST WIRE NUT

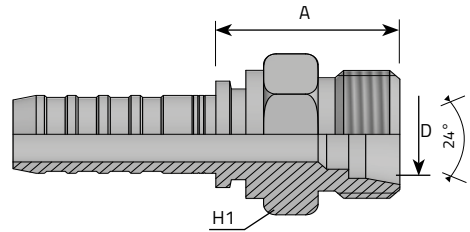
FEMMINA 45° JIC SV 37° CON DADO SPINATO
 FEMELLE 45° JIC CÔNE 37° (ÉCROU À JONC)
 DKJ 45° BOGEN 37° JIC DICHTKOPF (UNF) + GESTIFTETE
 ÜBERWURFMUTTER
 HEMBRA GIRATORIA JIC CODO 45° CONO 37° (TUERCA CON SEGURO)



Code	Tube		Thread			Dimensions		
	D.N.	Hose	Diam	T	t/1"	H1	B	A
	Inch	mm	Inch		mm	mm	mm	
HF45J0606SP	-6	3/8"	9.5	9/16"	18	19	19,4	60,4
HF34J0608SP	-6	3/8"	9.5	3/4"	16	24	19,7	60,7
HF45J0610SP	-6	3/8"	9.5	7/8"	14	27	26,3	67,3
HF45J0808SP	-8	1/2"	12.8	3/4"	16	24	20,4	66,9
HF45J0810SP	-8	1/2"	12.8	7/8"	14	27	21,4	67,9
HF45J0812SP	-8	1/2"	12.8	1.1/16"	12	32	22,0	68,5
HF45J1010SP	-10	5/8"	16	7/8"	14	27	22,4	66,9
HF45J1012SP	-10	5/8"	16	1.1/16"	12	32	25,7	70,2
HF45J1210SP	-12	3/4"	19	7/8"	14	27	33,0	71,5
HF45J1212SP	-12	3/4"	19	1.1/16"	12	32	30,8	69,3
HF45J1216SP	-12	3/4"	19	1.5/16"	12	41	30,8	70,3
HF45J1612SP	-16	1"	25.4	1.1/16"	12	32	39,1	105,1
HF45J1616SP	-16	1"	25.4	1.5/16"	12	41	39,1	93,6
HF45J1620SP	-20	1"	31.8	1.5/8"	12	50	37,8	94,3
HF45J2020SP	-20	1.1/4"	31.8	1.5/8"	12	50	43,3	108,0
HF45J2024SP	-20	1.1/4"	31.8	1.7/8"	12	55	44,3	110,0

METRIC MALE 24° CONE - L TYPE

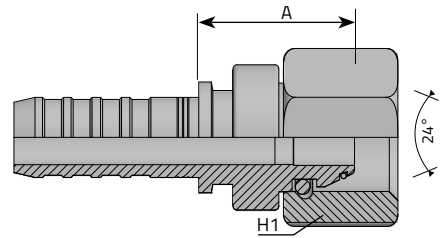
MASCHIO METRICO 24° DKOL
 MÂLE MÉTRIQUE CÔNE 24° - SÉRIE L
 CEL 24° KONUS METRISCH
 MACHO MÉTRICO CONO 24° - SERIE L



Code	Tube		Diam	Thread	Dimensions		
	D.N.	Hose			D	H1	A
		Inch	mm	T	mm	mm	mm
HME0616L10	-6	3/8"	9.5	M16x 1.5	10	22	30.2
HME0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	30.2
HME0622L15	-6	3/8"	9.5	M22 x 1.5	15	24	32
HME0818L12	-8	1/2"	12.8	M18 x 1.5	12	27	30
HME0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	31
HME0826L18	-8	1/2"	12.8	M26 x 1.5	18	27	31
HME1026L18	-10	5/8"	16	M26 x 1.5	18	32	32
HME1030L22	-10	5/8"	16	M30 x 2	22	32	33.5
HME1226L18	-12	3/4"	19	M26 x 1.5	18	34	32.0
HME1230L22	-12	3/4"	19	M30 x 2	22	34	33.5
HME1636L28	-16	1"	25.4	M36 x 2	28	42	36.0
HME2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	44.2

METRIC FEMALE 24° CONE - L TYPE

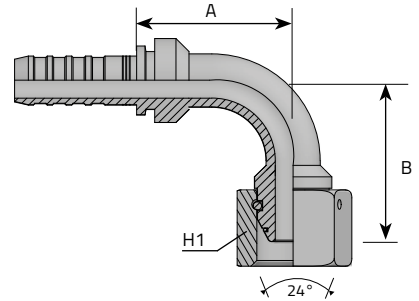
FEMMINA 90° METRICA DKOL CON O-RING 24°
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L
 DKO-L 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS
 HEMBRA GIRATORIA MÉTRICA CON O-RING CONO 24° - SERIE L



Code	Tube			Thread	Dimensions		
	D.N.	Hose	Diam		D	H1	A
	Inch		mm		mm	mm	mm
HFE0616L10	-6	3/8"	9.5	M16 x 1.5	10	22	36.2
HFE0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	36.5
HFE0622L15	-6	3/8"	9.5	M18 x 1.5	15	27	39.9
HFE0818L12	-8	1/2"	12.8	M18 x 1.5	12	27	36.5
HFE0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	39.9
HFE0826L18	-8	1/2"	12.8	M26 x 1.5	18	27	38.7
HFE1026L18	-10	5/8"	16	M26 x 1.5	18	32	39.7
HFE1030L22	-10	5/8"	16	M30 x 2	22	32	42.6
HFE1226L18	-12	3/4"	19	M26 x 1.5	18	34	39.7
HFE1230L22	-12	3/4"	19	M30 x 2	22	34	42.6
HFE1236L28	-12	3/4"	19	M36 x 2	28	34	46
HFE1636L28	-16	1"	25.4	M36 x 2	28	42	46
HFE2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	54.3

METRIC FEMALE 24° CONE - 90° ELBOW L TYPE

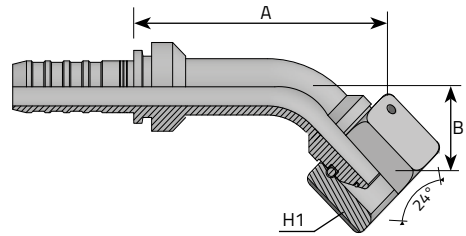
FEMMINA 90° METRICA DKOL CON O-RING 24°
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L
 DKO-L 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS
 HEMBRA GIRATORIA A 90° MÉTRICA CON O-RING CONO 24° - SERIE L



Code	Tube			Thread	Dimensions			
	D.N.	Hose	Diam		T	D	H1	B
		Inch	mm	mm	mm	mm	mm	mm
HF90E0616L10	-6	3/8"	9.5	M16x 1.5	10	22	39,2	39,0
HF90E0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	44,3	41,8
HF90E0622L15	-6	3/8"	9.5	M22 x 1.5	15	22	49,5	40,3
HF90E0818L12	-8	1/2"	12.8	M18 x 1.5	12	27	50,0	43,5
HF90E0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	52,0	45,1
HF90E0826L18	-8	1/2"	12.8	M26 x 1.5	18	27	52,8	44,7
HF90E1026L18	-10	5/8"	16	M26 x 1.5	18	32	56,8	56,1
HF90E1030L22	-10	5/8"	16	M30 x 2	22	32	61,7	55,4
HF90E1226L18	-12	3/4"	19	M26 x 1.5	18	34	63,4	59,0
HF90E1230L22	-12	3/4"	19	M30 x 2	22	34	65,2	62,1
HF90E1236L28	-12	3/4"	19	M36 x 2	28	34	66,6	62,1
HF90E1636L28	-16	1"	25.4	M36 x 2	28	42	84,1	76,6
HF90E2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	97,7	100,3

METRIC FEMALE 24° CONE -45° ELBOW L TYPE

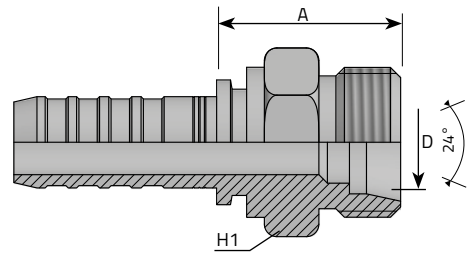
FEMMINA 45° METRICA O-RING 24° DKOL CON O-RING
FEMELLE 45° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE L
DKO-L 45° BOGEN INNENGEWINDE MIT O-RING 24° KONUS
HEMBRA MÉTRICA A 45° CON O-RING CONO 24° - SERIE L



Code	Tube			Thread	Dimensions			
	D.N.	Hose	Diam		T	D	H1	B
	Inch		mm	mm	mm	mm	mm	mm
HF45E0616L10	-6	3/8"	9.5	M16x 1.5	10	22	20,8	61,8
HF45E0618L12	-6	3/8"	9.5	M18 x 1.5	12	22	21,8	68,1
HF45E0622L15	-6	3/8"	9.5	M22 x 1.5	15	22	24,3	70,6
HF45E0818L12	-8	1/2"	12.8	M18 x 1.5	12	27	27,7	70,2
HF45E0822L15	-8	1/2"	12.8	M22 x 1.5	15	27	27,6	75,2
HF45E0826L18	-8	1/2"	12.8	M26 x 1.5	18	27	30,4	74,6
HF45E1026L18	-10	5/8"	16	M26 x 1.5	18	32	32,4	73,5
HF45E1030L22	-10	5/8"	16	M30 x 2	22	32	36,2	76,5
HF45E1226L18	-12	3/4"	19	M26 x 1.5	18	34	33,4	68,4
HF45E1230L22	-12	3/4"	19	M30 x 2	22	34	33,9	75,5
HF45E1236L28	-12	3/4"	19	M36 x 2	28	34	34,8	97,9
HF45E1636L28	-16	1"	25.4	M36 x 2	28	42	46,7	97,3
HF45E2045L35	-20	1.1/4"	31.8	M45 x 2	35	50	42,9	120,7

METRIC MALE 24° CONE S TYPE

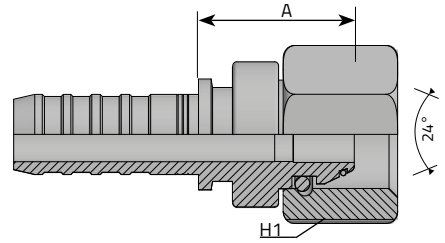
MASCHIO METRICO 24° DKOS
MÂLE MÉTRIQUE CÔNE 24° - SÉRIE S
CES METRISCH 24° KONUS
MACHO MÉTRICO CONO 24° - SERIE S



Code	Tube		Diam	Thread	Dimensions		
	D.N.	Hose			T	D	H1
		Inch	mm	mm	mm	mm	mm
HME0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	30.2
HME0620S12	-6	3/8"	9.5	M20 x 1.5	12	22	31
HME0622S14	-6	3/8"	9.5	M22 x 1.5	14	24	34.5
HME0822S16	-8	1/2"	12.8	M22 x 1.5	16	27	33.5
HME0824S16	-8	1/2"	12.8	M24 x 1.5	16	27	33.5
HME1030S20	-10	5/8"	16	M30 x 2	20	32	35.5
HME1230S20	-12	3/4"	19	M30 x 2	20	34	36
HME1236S25	-12	3/4"	19	M36 x 2	25	38	40
HME1242S30	-12	3/4"	19	M42 x 2	30	46	45.0
HME1636S25	-16	1"	25.4	M36 x 2	25	42	40
HME1642S30	-16	1"	25.4	M42 x 2	30	46	45
HME2052S38	-20	1.1/4"	31.8	M52 x 2	38	55	49.2

METRIC FEMALE 24° CONE S TYPE

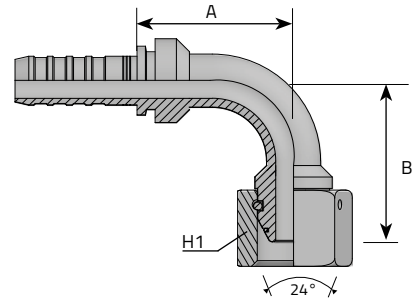
FEMMINA DIRITTA METRICA O-RING 24° DKOS
FEMELLE DROIT MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S
DKO-S INNENGEWINDE MIT O-RING 24° KONUS
HEMBRA MÉTRICA CONO 24° CON O-RING - SERIE S



Code	Tube		Diam	Thread	Dimensions		
	D.N.	Hose			D	H1	A
	Inch		mm	mm	mm	mm	mm
HFE0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	36.5
HFE0620S12	-6	3/8"	9.5	M20 x 1.5	12	22	38.5
HFE0622S14	-6	3/8"	9.5	M22 x 1.5	14	22	39.2
HFE0822S14	-8	1/2"	12.8	M22 x 1.5	14	27	39.2
HFE0824S16	-8	1/2"	12.8	M24 x 1.5	16	27	39.7
HFE0830S20	-8	1/2"	12.8	M30 x 2	20	27	41.5
HFE1030S20	-10	5/8"	16	M30 x 2	20	32	42.5
HFE1036S25	-10	5/8"	16	M36 x 2	25	32	44.7
HFE1230S20	-12	3/4"	9.5	M30 x 2	20	34	42.5
HFE1236S25	-12	3/4"	19	M36 x 2	25	34	44.7
HFE1242S30	-12	3/4"	19	M42 x 2	30	42	49
HFE1636S25	-16	1"	25.4	M36 x 2	25	42	46.7
HFE1642S30	-16	1"	25.4	M42 x 2	30	42	49
HFE2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	55.2
HFE2052S38	-20	1.1/4"	31.8	M52 x 2	38	60	59.2

METRIC FEMALE 24° CONE - 90° ELBOW - S TYPE

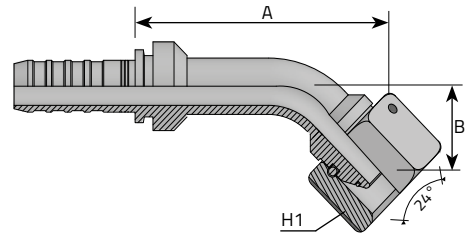
FEMMINA 90° METRICA O-RING 24° DKOS
 FEMELLE 90° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S
 DKO-S 90° BOGEN INNENGEWINDE MIT O-RING 24° KONUS
 HEMBRA MÉTRICA A 90° CON O-RING CONO 24° - SERIE S



Code	Tube			Thread	Dimensions			
	D.N.	Hose	Diam		T	D	H1	B
	Inch	mm	mm	mm	mm	mm	mm	mm
HF90E0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	39,2	40,3
HF90E0620S12	-6	3/8"	9.5	M20 x 1.5	12	22	46,3	41,8
HF90E0622S14	-6	3/8"	9.5	M22 x 1.5	14	22	49,0	40,3
HF90E0822S14	-8	1/2"	12.8	M22 x 1.5	14	27	49,8	44,6
HF90E0824S16	-8	1/2"	12.8	M24 x 1.5	16	27	52,9	44,2
HF90E0830S20	-8	1/2"	12.8	M30 x 2	20	27	57,0	44,2
HF90E1030S20	-10	5/8"	16	M30 x 2	20	32	63,6	55,4
HF90E1036S25	-10	5/8"	16	M36 x 2	25	32	68,8	55,4
HF90E1230S20	-12	3/4"	19	M30 x 2	20	34	67,6	62,1
HF90E1236S25	-12	3/4"	19	M36 x 2	25	34	69,3	62,1
HF90E1636S25	-16	1"	25.4	M36 x 2	25	42	81,2	78,6
HF90E1642S30	-16	1"	25.4	M42 x 2	30	42	89,6	78,6
HF90E2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	96,1	100,3
HF90E2052S38	-20	1.1/4"	31.8	M52 x 2	38	50	98,9	100,2

METRIC FEMALE 24° CONE - 45° ELBOW - S TYPE

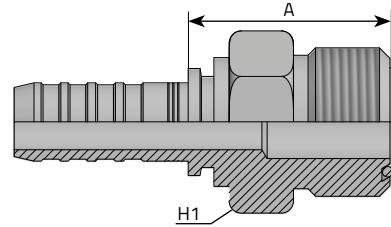
FEMMINA 45° METRICA O-RING 24° DKOS
 FEMELLE 45° MÉTRIQUE CÔNE 24° AVEC O-RING - SÉRIE S
 DKO-S 45° BOGEN INNENGEWINDE MIT O-RING 24° KONUS
 HEMBRA MÉTRICA A 45° CON O-RING CONO 24° - SERIE S



Code	Tube			Thread	Dimensions				
	D.N.	Hose	Diam		T	D	H1	B	A
	Inch		mm		mm	mm	mm	mm	mm
HF45E0618S10	-6	3/8"	9.5	M18 x 1.5	10	22	20,8	63,1	
HF45E0620S12	-6	3/8"	9.5	M20 x 1.5	12	22	23,2	69,5	
HF45E0622S14	-6	3/8"	9.5	M22 x 1.5	14	22	23,9	70,2	
HF45E0822S14	-8	1/2"	12.8	M22 x 1.5	14	27	26,1	74,1	
HF45E0824S16	-8	1/2"	12.8	M24 x 1.5	16	27	27,5	76,7	
HF45E0830S20	-8	1/2"	12.8	M30 x 2	20	27	27,4	75,1	
HF45E1030S20	-10	5/8"	16	M30 x 2	20	32	31,4	76,7	
HF45E1036S25	-10	5/8"	16	M36 x 2	25	32	32,9	79,7	
HF45E1230S20	-12	3/4"	19	M30 x 2	20	34	33,1	75,7	
HF45E1236S25	-12	3/4"	19	M36 x 2	25	34	35,2	82,8	
HF45E1636S25	-16	1"	25.4	M36 x 2	25	42	42,4	98,5	
HF45E1642S30	-16	1"	25.4	M42 x 2	30	42	48,3	104,9	
HF45E2042S30	-20	1.1/4"	31.8	M42 x 2	30	50	42,1	119,9	
HF45E2052S38	-20	1.1/4"	31.8	M52 x 2	38	50	44,1	121,8	

ORFS MALE

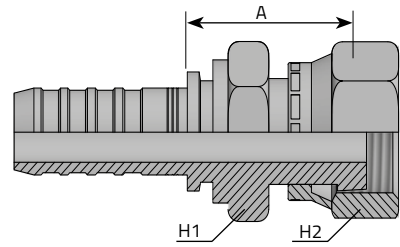
MASCHIO ORFS
MÄLE ORFS
AGF ORFS STIRNDICHTEND
MACHO ORFS



Code	Tube			Thread		Dimensions	
	D.N.	Hose	Diam	T	t/1"	H1	A
		Inch	mm	Inch		mm	mm
HMORFS0609	-6	3/8"	9.5	11/16"	16	22	31.5
HMORFS0611	-6	3/8"	9.5	13/16"	16	22	32.5
HMORFS0613	-6	3/8"	9.5	1"	14	27	36.5
HMORFS0811	-8	1/2"	12.8	13/16"	16	27	32.5
HMORFS0813	-8	1/2"	12.8	1"	16	27	35.5
HMORFS0814	-8	1/2"	12.8	1.3/16"	16	32	37.0
HMORFS1013	-10	5/8"	16	1"	14	32	36.5
HMORFS1014	-10	5/8"	16	1.3/16"	16	32	38.0
HMORFS1214	-12	3/4"	19	1.3/16"	16	34	38.0
HMORFS1215	-12	3/4"	19	1.7/16"	12	41	41.5
HMORFS1615	-16	1"	25.4	1.7/16"	12	42	41.5
HMORFS2021	-20	1.1/4"	31.8	1.11/16"	12	50	45.7

ORFS FEMALE (DOUBLE HEXAGON)

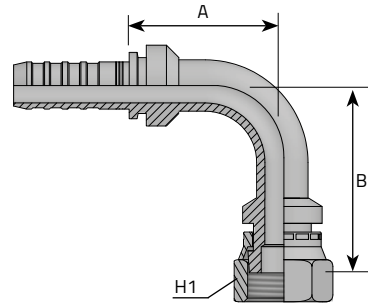
FEMMINA DIRITTA ORFS DOPPIO ESAGONO
 FEMELLE DROIT ORFS
 ORFS – UNF GEWINDE
 HEMBRA GIRATORIA RECTA ORFS - DOBLE HEXAGONO



Code	Tube			Thread		Dimensions		
	D.N.	Hose	Diam	T	t/1"	H1	H2	A
		Inch	mm	Inch		mm	mm	mm
HFORFS0606GIR	-6	3/8"	9.5	9/16"	18	22	17	36.5
HFORFS0609GIR	-6	3/8"	9.5	11/16"	16	22	22	39
HFORFS0611GIR	-6	3/8"	9.5	13/16"	16	22	24	44.5
HFORFS0809GIR	-8	1/2"	12.8	11/16"	16	27	22	39
HFORFS0811GIR	-8	1/2"	12.8	13/16"	16	27	24	44
HFORFS0813GIR	-8	1/2"	12.8	1"	14	27	30	44
HFORFS0814GIR	-8	1/2"	12.8	1.3/16"	16	30	36	45.5
HFORFS1013GIR	-10	5/8"	16	1"	14	32	30	45
HFORFS1014GIR	-10	5/8"	16	1.3/16"	16	32	36	46.5
HFORFS1213GIR	-12	3/4"	19	1"	14	34	30	45
HFORFS1214GIR	-12	3/4"	19	1.3/16"	16	34	36	46.5
HFORFS1215GIR	-12	3/4"	19	1.7/16"	12	36	41	47
HFORFS1221GIR	-12	3/4"	19	1.11/16"	12	41	50	51
HFORFS1614GIR	-16	1"	25.4	1.3/16"	16	42	36	48.5
HFORFS1615GIR	-16	1"	25.4	1.7/16"	12	42	41	49
HFORFS1621GIR	-16	1"	25.4	1.11/16"	12	42	50	51
HFORFS2021GIR	-20	1.1/4"	31.8	1.11/16"	12	50	50	57.2
HFORFS2032GIR	-20	1.1/4"	31.8	2"	12	50	60	57.2

ORFS FEMALE SWIVEL 90° ELBOW

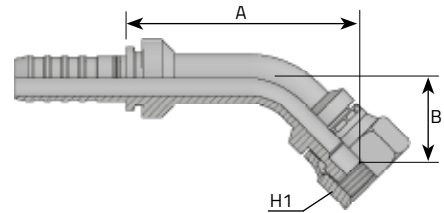
FEMMINA 90° ORFS
 FEMELLE 90° ORFS
 DK 90° BOGEN ORFS UNF STIRNDICHTEND
 HEMBRA GIRATORIA A 90° ORFS



Code	Tube			Thread			Dimensions		
	D.N.	Hose	Diam	T	t/1"	H1	B	A	
		Inch	mm	Inch		mm	mm	mm	
HF90ORFS0606	-6	3/8"	9.5	9/16"	18	22	46,5	38,5	
HF90ORFS0609	-6	3/8"	9.5	11/16"	16	22	47,8	42,3	
HF90ORFS0611	-6	3/8"	9.5	13/16"	16	27	52,6	40,3	
HF90ORFS0809	-8	1/2"	12.8	11/16"	16	27	50,0	45,0	
HF90ORFS0811	-8	1/2"	12.8	13/16"	16	27	58,1	42,6	
HF90ORFS0813	-8	1/2"	12.8	1"	14	27	54,7	44,1	
HF90ORFS0814	-8	1/2"	12.8	1.3/16"	16	30	58,1	43,1	
HF90ORFS1013	-10	5/8"	16	1"	14	32	65,2	59,1	
HF90ORFS1014	-10	5/8"	16	1.3/16"	16	32	64,6	54,1	
HF90ORFS1213	-12	3/4"	19	1"	14	34	72,2	60,6	
HF90ORFS1214	-12	3/4"	19	1.3/16"	16	34	73,6	61,6	
HF90ORFS1215	-12	3/4"	19	1.7/16"	12	36	77,5	62,1	
HF90ORFS1221	-12	3/4"	19	1.11/16"	12	41	83,9	97,6	
HF90ORFS1614	-16	1"	25.4	1.3/16"	16	42	86,5	75,5	
HF90ORFS1615	-16	1"	25.4	1.7/16"	12	42	85,6	79,6	
HF90ORFS1621	-16	1"	25.4	1.11/16"	12	42	99,4	97,5	
HF90ORFS2021	-20	1.1/4"	31.8	1.11/16"	12	41	99,9	98,1	
HF90ORFS2032	-20	1.1/4"	31.8	2"	12	50	90,6	103,1	

ORFS FEMALE SWIVEL 45° ELBOW

FEMMINA 45° ORFS
 FEMELLE 45° ORFS
 DK 45° BOGEN ORFS UNF STIRNDICHTEND
 HEMBRA GIRATORIA A 45° ORFS

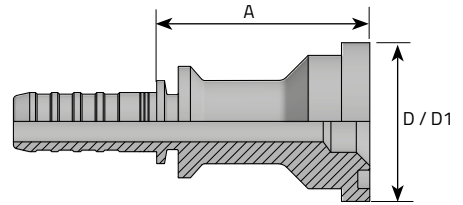


Code	Tube			Thread		Dimensions		
	D.N.	Hose	Diam	T	t/1"	H1	B	A
		Inch	mm	Inch		mm	mm	mm
HF45ORFS0606	-6	3/8"	9.5	9/16"	18	22	25,8	62,8
HF45ORFS0609	-6	3/8"	9.5	11/16"	16	22	26,3	70,6
HF45ORFS0611	-6	3/8"	9.5	13/16"	16	27	31,5	72,8
HF45ORFS0809	-8	1/2"	12.8	11/16"	16	27	25,3	75,8
HF45ORFS0811	-8	1/2"	12.8	13/16"	16	27	33,6	78,6
HF45ORFS0813	-8	1/2"	12.8	1"	14	27	31,1	77,1
HF45ORFS0814	-8	1/2"	12.8	1.3/16"	16	30	36,1	79,1
HF45ORFS1013	-10	5/8"	16	1"	14	32	35,3	77,9
HF45ORFS1014	-10	5/8"	16	1.3/16"	16	32	32,7	76,3
HF45ORFS1213	-12	3/4"	19	1"	14	34	39,4	79,5
HF45ORFS1214	-12	3/4"	19	1.3/16"	16	34	40,4	81,0
HF45ORFS1215	-12	3/4"	19	1.7/16"	12	36	43,6	84,7
HF45ORFS1221	-12	3/4"	19	1.11/16"	12	41	46,9	112,5
HF45ORFS1614	-16	1"	25.4	1.3/16"	16	42	44,1	103,1
HF45ORFS1615	-16	1"	25.4	1.7/16"	12	42	44,4	105,0
HF45ORFS1621	-16	1"	25.4	1.11/16"	12	42	43,3	112,8
HF45ORFS2021	-20	1.1/4"	31.8	1.11/16"	12	41	51,3	118,4
HF45ORFS2032	-20	1.1/4"	31.8	2"	12	50	45,3	116,4

FLANGE CODE 61 - 3000 PSI

FLANGIA 3000 PSI
 BRIDE DROIT 3000 PSI (PIÈCE ENTIER)
 FLANSCHANSCHLUSS 3000 PSI – EINTEILIG
 BRIDA RECTA 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

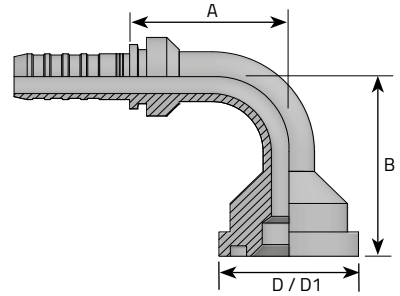


Code	Tube			Thread	Dimensions		
	D.N.	Hose	Diam		D	D1	A
		Inch	mm		Inch	mm	mm
HFDL0808I	-8	1/2"	12.8		1/2"	30.2	56.2
HFDL0810I	-8	1/2"	12.8		5/8"	34	58.05
HFDL0812I	-8	1/2"	12.8		3/4"	38.1	62.3
HFDL1010I	-10	5/8"	16		5/8"	34	58.8
HFDL1012I	-10	5/8"	16		3/4"	38.1	60.3
HFDL1208I	-12	3/4"	19		1/2"	30.2	63.2
HFDL1212I	-12	3/4"	19		3/4"	38.1	61.3
HFDL1216I	-12	3/4"	19		1"	44.5	65
HFDL1612I	-16	1"	25.4		3/4"	38.1	59
HFDL1616I	-16	1"	25.4		1"	44.5	68
HFDL1620I	-16	1"	25.4		1.1/4"	50.8	74
HFDL2016I	-20	1.1/4"	31.8		1"	44.5	67.7
HFDL2020I	-20	1.1/4"	31.8		1.1/4"	50.8	85.2
HFDL2024I	-20	1.1/4"	31.8		1.1/2"	60.3	90.2

FLANGE CODE 61 - 3000 PSI - 90° ELBOW

FLANGIA 90° SAE J518 3000 PSI INTERA
 BRIDE 90° 3000 PSI (PIÈCE ENTIER)
 90° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG
 BRIDA A 90° 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

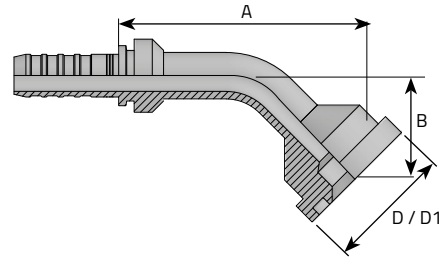


Code	Tube			Thread	Dimensions			
	D.N.	Hose	Diam		D	D1	B	A
		Inch	mm		Inch	mm	mm	mm
HF90L0808I	-8	1/2"	12.8		1/2"	30.2	43,0	43,5
HF90L0810I	-8	1/2"	12.8		5/8"	34	47,0	43,5
HF90L0812I	-8	1/2"	12.8		3/4"	38.1	50,0	43,5
HF90L1010I	-10	5/8"	16		5/8"	34	52,0	55,5
HF90L1012I	-10	5/8"	16		3/4"	38.1	55,0	55,5
HF90L1208I	-12	3/4"	19		1/2"	30.2	52,0	62,5
HF90L1212I	-12	3/4"	19		3/4"	38.1	58,0	62,5
HF90L1216I	-12	3/4"	19		1"	44.5	62,0	62,5
HF90L1612I	-16	1"	25.4		3/4"	38.1	59,5	82,5
HF90L1616I	-16	1"	25.4		1"	44.5	63,5	82,5
HF90L1620I	-16	1"	25.4		1.1/4"	50.8	69,5	82,5
HF90L2020I	-20	1.1/4"	31.8		1.1/4"	50.8	86,0	96,7
HF90L2024I	-20	1.1/4"	31.8		1.1/2"	60.3	87,0	96,7

FLANGE CODE 61 - 3000 PSI - 45° ELBOW

FLANGIA 45° SAE J518 3000 PSI INTERA
BRIDE 45° 3000 PSI (PIÈCE ENTIER)
45° FLANSCHANSCHLUSS 3000 PSI – EINTEILIG
BRIDA A 45° 3000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /
Sans O-Ring / Ohne O-Ring/ Sin O-Ring

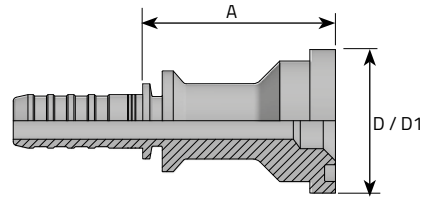


Code	Tube			Thread	Dimensions			
	D.N.	Hose	Diam		D	D1	B	A
		Inch	mm		Inch	mm	mm	mm
HF45L0808I	-8	1/2"	12.8		1/2"	30.2	23,0	67,5
HF45L0810I	-8	1/2"	12.8		5/8"	34	25,0	72,5
HF45L0812I	-8	1/2"	12.8		3/4"	38.1	28,0	72,5
HF45L1010I	-10	5/8"	16		5/8"	34	30,0	69,5
HF45L1012I	-10	5/8"	16		3/4"	38.1	30,0	69,5
HF45L1208I	-12	3/4"	19		1/2"	30.2	28,0	68,5
HF45L1212I	-12	3/4"	19		3/4"	38.1	32,0	72,5
HF45L1216I	-12	3/4"	19		1"	44.5	35,0	75,5
HF45L1612I	-16	1"	25.4		3/4"	38.1	34,6	88,1
HF45L1616I	-16	1"	25.4		1"	44.5	31,6	91,1
HF45L1620I	-16	1"	25.4		1.1/4"	50.8	35,6	95,1
HF45L2020I	-20	1.1/4"	31.8		1.1/4"	50.8	42,3	107,0
HF45L2024I	-20	1.1/4"	31.8		1.1/2"	60.3	43,3	108,0

FLANGE CODE 62 - 6000 PSI

FLANGIA DIRITTA SAE J518 6000 PSI INTERA
 BRIDE DROIT 6000 PSI (PIÈCE ENTIER)
 FLANSCHANSCHLUSS 6000 PSI – EINTEILIG
 BRIDA RECTA 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

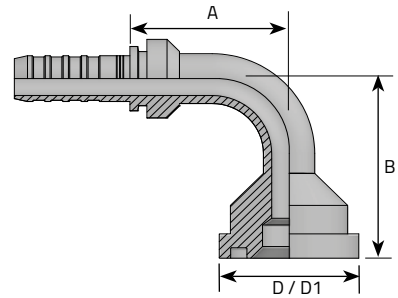


Code	Tube			Thread	Dimensions		
	D.N.	Hose Inch	Diam mm		D Inch	D1 mm	A mm
HFDP0808I	-8	1/2"	12.8		1/2"	31.7	61.2
HFDP0812I	-8	1/2"	12.8		3/4"	41.3	64.5
HFDP1008I	-10	5/8"	16		1/2"	31.7	65.2
HFDP1012I	-10	5/8"	16		3/4"	41.3	63.5
HFDP1212I	-12	3/4"	19		3/4"	41.3	66.5
HFDP1216I	-12	3/4"	19		1"	47.6	75.03
HFDP1612I	-16	1"	25.4		3/4"	41.3	78.5
HFDP1616I	-16	1"	25.4		1"	47.6	82.03
HFDP1620I	-16	1"	25.4		1.1/4"	54	87.3
HFDP2020I	-20	1.1/4"	31.8		1.1/4"	54	87
HFDP2024I	-20	1.1/4"	31.8		1.1/2"	63.5	98.8

FLANGE CODE 62 - 6000 PSI - 90° ELBOW

FLANGIA A 90° SAE J518 6000 PSI INTERA
BRIDE 90° 6000 PSI (PIÈCE ENTIER)
90° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG
BRIDA A 90° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /
Sans O-Ring / Ohne O-Ring/ Sin O-Ring

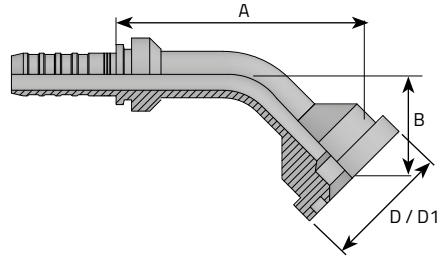


Code	Tube			Thread	Dimensions			
	D.N.	Hose	Diam		D	D1	B	A
		Inch	mm		Inch	mm	mm	mm
HF90P0808I	-8	1/2"	12.8		1/2"	31.7	44,0	43,5
HF90P0812I	-8	1/2"	12.8		3/4"	41.3	51,0	43,5
HF90P1008I	-10	5/8"	16		1/2"	31.7	50,0	55,5
HF90P1012I	-10	5/8"	16		3/4"	41.3	59,0	56,5
HF90P1212I	-12	3/4"	19		3/4"	41.3	62,0	62,5
HF90P1216I	-12	3/4"	19		1"	47.6	67,0	62,5
HF90P1612I	-16	1"	25.4		3/4"	41.3	63,5	82,5
HF90P1616I	-16	1"	25.4		1"	47.6	68,5	82,5
HF90P1620I	-16	1"	25.4		1.1/4"	54	72,5	82,5
HF90P2020I	-20	1.1/4"	31.8		1.1/4"	54	92,0	96,7
HF90P2024I	-20	1.1/4"	31.8		1.1/2"	63.5	96,0	96,7

FLANGE CODE 62 - 6000 PSI - 45° ELBOW

FLANGIA A 45° SAE J518 6000 PSI INTERA
BRIDE 45° 6000 PSI (PIÈCE ENTIER)
45° FLANSCHANSCHLUSS 6000 PSI – EINTEILIG
BRIDA A 45° 6000 PSI (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /
Sans O-Ring / Ohne O-Ring/ Sin O-Ring

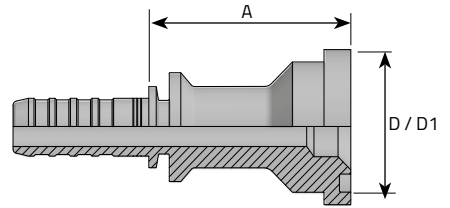


Code	Tube			Thread	Dimensions			
	D.N.	Hose	Diam		D	D1	B	A
		Inch	mm		Inch	mm	mm	mm
HF45P0808I	-8	1/2"	12.8		1/2"	31.7	23,0	68,5
HF45P0812I	-8	1/2"	12.8		3/4"	41.3	28,0	73,5
HF45P1008I	-10	5/8"	16		1/2"	31.7	26,0	66,5
HF45P1012I	-10	5/8"	16		3/4"	41.3	30,0	73,5
HF45P1212I	-12	3/4"	19		3/4"	41.3	32,0	75,5
HF45P1216I	-12	3/4"	19		1"	47.6	35,0	79,5
HF45P1612I	-16	1"	25.4		3/4"	41.3	34,6	91,1
HF45P1616I	-16	1"	25.4		1"	47.6	31,6	94,1
HF45P1620I	-16	1"	25.4		1.1/4"	54	35,6	99,1
HF45P2020I	-20	1.1/4"	31.8		1.1/4"	54	42,3	111,0
HF45P2024I	-20	1.1/4"	31.8		1.1/2"	63.5	43,3	114,0

SUPERCAT FLANGE

FLANGIA DIRITTA SUPERCAT INTERA
 EMBOUT À BRIDE SUPERCAT DROITE (PIÈCE ENTIER)
 FLANSCHANSCHLUSS SUPERCAT EINTEILIG
 BRIDA RECTA SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

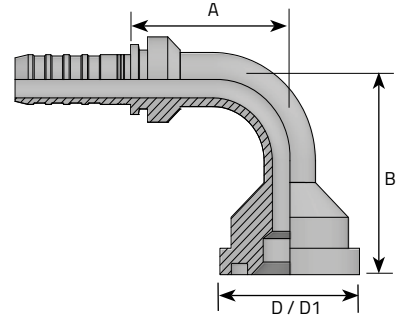


Code	Tube			Thread	Dimensions		
	D.N.	Hose	Diam		D	D1	A
		Inch	mm		Inch	mm	mm
HFDS1212I	-12	3/4"	19		3/4"	41.3	71.9
HFDS1216I	-12	3/4"	19		1"	47.6	79.8
HFDS1616I	-16	1"	25.4		1"	47.6	86.8
HFDS1620I	-16	1"	25.4		1.1/4"	54	91.3
HFDS2020I	-20	1.1/4"	31.8		1.1/4"	54	91.7
HFDS2024I	-20	1.1/4"	31.8		1.1/2"	63.5	100.5

SUPERCAT FLANGE - 90° ELBOW

FLANGIA 90° SUPERCAT INTERA
 BRIDE 90° SUPERCAT (PIÈCE ENTIER)
 90° FLANSCHANSCHLUSS SUPERCAT EINTEILIG
 BRIDA 90° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring

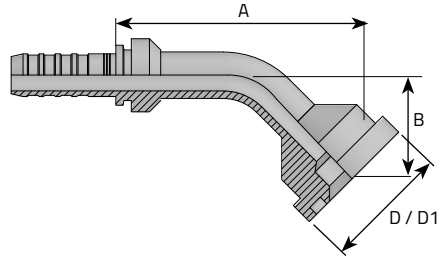


Code	Tube			Thread	Dimensions			
	D.N.	Hose	Diam		D	D1	B	A
		Inch	mm		Inch	mm	mm	mm
HF90S1212I	-12	3/4"	19		3/4"	41.3	67,0	62,5
HF90S1216I	-12	3/4"	19		1"	47.6	73,0	62,5
HF90S1616I	-16	1"	25.4		1"	47.6	74,5	82,5
HF90S1620I	-16	1"	25.4		1.1/4"	54	80,0	82,5
HF90S2020I	-20	1.1/4"	31.8		1.1/4"	54	96,0	96,7
HF90S2024I	-20	1.1/4"	31.8		1.1/2"	63.5	98,0	96,7

SUPERCAT FLANGE - 45° ELBOW

FLANGIA 45° SUPERCAT INTERA
 BRIDE 45° SUPERCAT (PIÈCE ENTIER)
 45° FLANSCHANSCHLUSS SUPERCAT EINTEILIG
 BRIDA 45° SUPERCAT (PIEZA UNICA)

Do Not Include O-Ring / O-Ring Non Compresso /
 Sans O-Ring / Ohne O-Ring/ Sin O-Ring



Code	Tube			Thread	Dimensions			
	D.N.	Hose	Diam		D	D1	B	A
		Inch	mm		Inch	mm	mm	mm
HF45S1212I	-12	3/4"	19		3/4"	41.3	39,0	79,5
HF45S1216I	-12	3/4"	19		1"	47.6	43,0	83,5
HF45S1616I	-16	1"	25.4		1"	47.6	39,6	99,1
HF45S1620I	-16	1"	25.4		1.1/4"	54	42,6	102,1
HF45S2020I	-20	1.1/4"	31.8		1.1/4"	54	49,3	114,0
HF45S2024I	-20	1.1/4"	31.8		1.1/2"	63.5	50,3	115,0

HyperSpiral Catalogue ph-2019 eu

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