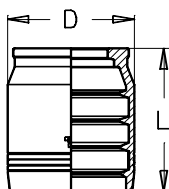


NIET SCHILLEN

HSN4

NON SKIVE SWAGED FERRULE HULS NIET SCHILLEN

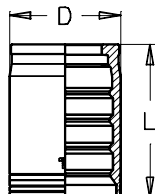


TIEFFE Part. N°	Hose I.D. Ø Interno tuHo			Dimensions (mm)		Applications Applicazioni					
	DN	SIZE	Inch	D	L						
HSN412	19	12	3/4"	43	50	4SP	4SH	R9R	R12	R13	R15
HSN416	25	16	1"	51	56	4SP	4SH	R9R	R12	R13	R15
HSN420	31	20	1 1/4"	61	68		4SH	R9R	R12		
HSN424	38	24	1 1/2"	70	86		4SH	R9R	R12		
HSN432	51	32	2"	85	100		4SH	R9R	R12		

SCHILLEN

HSS4

OUTSIDE SKIVE SWAGED FERRULE HULS VOOR ALLEEN BUITEN SCHILLEN

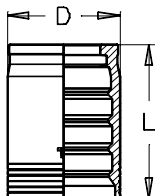


TIEFFE Part. N°	Hose I.D. Ø Interno tuHo			Dimensions (mm)		Applications Applicazioni					
	DN	SIZE	Inch	D	L						
HSS412	19	12	3/4"	38	54	4SP	4SH	R9R	R12	R13	R15
HSS416	25	16	1"	46	60	4SP	4SH	R9R	R12	R13	R15
HSS420	31	20	1 1/4"	54	72		4SH	R9R	R12		
HSS424	38	24	1 1/2"	62	90		4SH	R9R	R12		
HSS432	51	32	2"	76	102		4SH	R9R	R12		

SCHILLEN

HSS6

OUTSIDE SKIVE SWAGED FERRULE HULS VOOR BUITENSCHILLEN

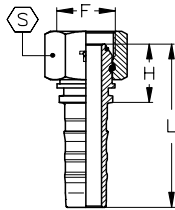


TIEFFE Part. N°	Hose I.D. Ø Interno tuHo			Dimensions (mm)		Applications Applicazioni					
	DN	SIZE	Inch	D	L						
HSS620	31	20	1 1/4"	58	72	4SP				R13	R15
HSS624	38	24	1 1/2"	68	90	4SP				R13	R15
HSS632	51	32	2"	84	102	4SP				R13	

BS 5200

DKOR

BSP STRAIGHT FEMALE - 60° O'RING CONE - TIEFFE NUT WARTELKOPP. BSP (GAS) - CONUS 60° O'RING - TIEFFE MOER

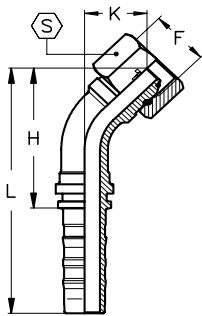


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch		F	H	L	S	O'Ring	bar	PSI
ZBF1212	20	12	3/4"	3/4"-14	29	80	32	17x1,5	420	6000	
ZBF1612	20	12	3/4"	1"-11	32	83	41	22x1,5	420	6000	
ZBF1616	25	16	1"	1"-11	34	90	41	22x1,5	420	6000	
ZBF2016	25	16	1"	1 1/4"-11	37	93	50	28,3x1,78	345	5000	
ZBF2020	32	20	1 1/4"	1 1/4"-11	39	106	50	28,3x1,78	345	5000	
ZBF2420	32	20	1 1/4"	1 1/2"-11	41	107	60	33,05x1,78	345	5000	
ZBF2424	40	24	1 1/2"	1 1/2"-11	43	125	60	33,05x1,78	345	5000	
ZBF3232	50	32	2"	2"-11	47	143	75	44,17x1,78	345	5000	

BS 5200

DKOR45

45° BSP SWEPT ELBOW - 60° O'RING CONE - TIEFFE NUT BOCHT 45° BSP (GAS) - CONUS 60° O'RING - TIEFFE MOER

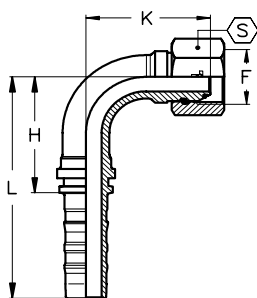


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch		F	H	L	K	S	O'Ring	bar
ZBF451212	20	12	3/4"	3/4"-14	67	118	29	32	17x1,5	420	6000
ZBF451612	20	12	3/4"	1"-11	67	118	29	41	22x1,5	420	6000
ZBF451616	25	16	1"	1"-11	86	142	36	41	22x1,5	420	6000
ZBF452016	25	16	1"	1 1/4"-11	86	142	36	50	28,3x1,78	345	5000
ZBF452020	32	20	1 1/4"	1 1/4"-11	103	169	43	50	28,3x1,78	345	5000
ZBF452420	32	20	1 1/4"	1 1/2"-11	103	169	43	60	33,05x1,78	345	5000
ZBF452424	40	24	1 1/2"	1 1/2"-11	123	206	51	60	33,05x1,78	345	5000
ZBF453232	50	32	2"	2"-11	160	257	65	75	44,17x1,78	345	5000

BS 5200

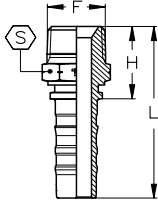
DKOR90

90° BSP SWEPT ELBOW - 60° O'RING CONE - TIEFFE NUT BOCHT 90° BSP (GAS) - CONUS 60° O'RING - TIEFFE MOER

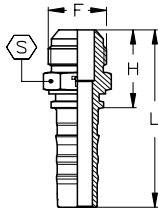


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch		F	H	L	K	S	O'Ring	bar
ZBF901212	20	12	3/4"	3/4"-14	55	106	57	32	17x1,5	420	6000
ZBF901612	20	12	3/4"	1"-11	55	106	57	41	22x1,5	420	6000
ZBF901616	25	16	1"	1"-11	71	128	72	41	22x1,5	420	6000
ZBF902016	25	16	1"	1 1/4"-11	71	128	72	50	28,3x1,78	345	5000
ZBF902020	32	20	1 1/4"	1 1/4"-11	87	154	88	50	28,3x1,78	345	5000
ZBF902420	32	20	1 1/4"	1 1/2"-11	87	154	88	60	33,05x1,78	345	5000
ZBF902424	40	24	1 1/2"	1 1/2"-11	105	188	104	60	33,05x1,78	345	5000
ZBF903232	50	32	2"	2"-11	140	237	137	75	44,17x1,78	345	5000

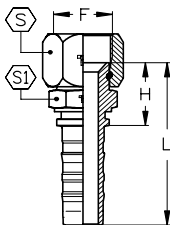
SAE J516		AGN		N.P.T.F. MALE - 60° CONE SEAT NPTF MALE KOPPELING - CONUS 60°							
TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filetto	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	H	L	S			bar	PSI
ZNM1212	20	12	3/4"	3/4"-14	39	90	27			420	6000
ZNM1612	20	12	3/4"	1"-11,5	47	98	36			380	5400
ZNM1216	20	12	3/4"	3/4"-14	41,5	98	32			420	6000
ZNM1616	20	12	3/4"	1"-11,5	48,5	105	36			380	5400
ZNM2016	20	12	3/4"	1 1/4"-11,5	53	109,5	46			325	4600
ZNM1620	32	20	1 1/4"	1"-11,5	52,5	119	41			380	5400
ZNM2020	32	20	1 1/4"	1 1/4"-11,5	55	121,5	46			325	4600
ZNM2420	32	20	1 1/4"	1 1/2"-11,5	59	125,5	50			290	4100
ZNM2424	38	24	1 1/2"	1 1/2"-11,5	61	143,5	50			290	4100
ZNM3224	38	24	1 1/2"	2"-11,5	67,5	150	65			250	3600
ZNM3232	51	32	2"	2"-11,5	70,5	167	65			250	3600



ISO12151/5 SAE J516		AGJ		J.I.C. MALE - 74° CONE JIC MALE KOPPELING - CONUS 74°							
TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filetto	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	H	L	S			bar	PSI
ZJM1412	20	12	3/4"	7/8"-14	37	88	27			420	6000
ZJM1712	20	12	3/4"	1 1/16"-12	40	91	27			420	6000
ZJM1912	20	12	3/4"	1 3/16"-12	41,5	92,5	32			420	6000
ZJM2112	20	12	3/4"	1 5/16"-12	43	94	36			380	5400
ZJM1716	25	16	1"	1 1/16"-12	43	99,5	32			420	6000
ZJM2116	25	16	1"	1 5/16"-12	45	101,5	36			380	5400
ZJM2616	25	16	1"	1 5/8"-12	48	104,5	46			325	4600
ZJM2120	32	20	1 1/4"	1 5/16"-12	48,5	115	41			380	5400
ZJM2620	32	20	1 1/4"	1 5/8"-12	50,5	117	46			325	4600
ZJM3020	32	20	1 1/4"	1 7/8"-12	55	121,5	50			290	4100
ZJM3024	38	24	1 1/2"	1 7/8"-12	57	139,5	50			290	4100
ZJM4024	38	24	1 1/2"	2 1/2"-12	65,5	148	65			250	3600
ZJM4032	51	32	2"	2 1/2"-12	68,5	165	65			250	3600



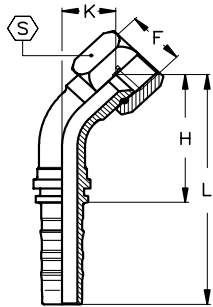
ISO12151/5 SAE J516		DKJ		J.I.C. FEMALE - 74° CONE SEAT - DOUBLE EXAGON - TIEFFE NUT JIC WARTELKOPPELING MET ZESKANT - CONUS 74° - TIEFFE MOER							
TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filetto	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	H	L	S	S1		bar	PSI
ZJF1412	20	12	3/4"	7/8"-14	33	84	27	27		420	6000
ZJF1712	20	12	3/4"	1 1/16"-12	34	85	32	27		420	6000
ZJF1912	20	12	3/4"	1 3/16"-12	35,5	86,5	36	30		420	6000
ZJF2112	20	12	3/4"	1 5/16"-12	38	89	41	32		380	5400
ZJF1716	25	16	1"	1 1/16"-12	36,5	93	32	32		420	6000
ZJF2116	25	16	1"	1 5/16"-12	39,5	96	41	32		380	5400
ZJF2616	25	16	1"	1 5/8"-12	46	102,5	50	41		325	4600
ZJF2120	32	20	1 1/4"	1 5/16"-12	45,5	112	41	41		380	5400
ZJF2620	32	20	1 1/4"	1 5/8"-12	48	114,5	50	41		325	4600
ZJF3020	32	20	1 1/4"	1 7/8"-12	51	117,5	60	46		290	4100
ZJF3024	38	24	1 1/2"	1 7/8"-12	53	135,5	60	46		290	4100
ZJF4024	38	24	1 1/2"	2 1/2"-12	66	148,5	75	60		250	3600
ZJF4032	51	32	2"	2 1/2"-12	69	165,5	75	60		250	3600



ISO12151/5
SAE J516

DKJ45

JIC 45° SWEPT ELBOW - 74° CONE SEAT - TIEFFE NUT
JIC WARTEL MET BOCHT 45° JIC - CONUS 74° - TIEFFE MOER

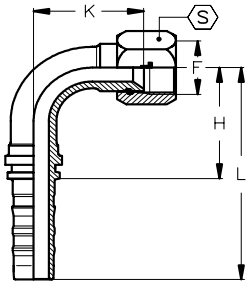


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filetto	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	H	L	K	S	bar	PSI	
ZJF451412	20	12	3/4"	7/8"-14	66	117	28	27		420	6000
ZJF451712	20	12	3/4"	1 1/16"-12	63	114	25	32		420	6000
ZJF451912	20	12	3/4"	1 3/16"-12	63	114	25	36		420	6000
ZJF452112	20	12	3/4"	1 5/16"-12	63	114	25	41		380	5400
ZJF451716	25	16	1"	1 1/16"-12	85	141	35	32		420	6000
ZJF452116	25	16	1"	1 5/16"-12	82	138	32	41		380	5400
ZJF452616	25	16	1"	1 5/8"-12	82	138	32	50		325	4600
ZJF452120	32	20	1 1/4"	1 5/16"-12	100	167	41	41		380	5400
ZJF452620	32	20	1 1/4"	1 5/8"-12	98	164	38	50		325	4600
ZJF453020	32	20	1 1/4"	1 7/8"-12	98	164	38	60		290	4100
ZJF453024	38	24	1 1/2"	1 7/8"-12	118	201	46	60		290	4100
ZJF454024	38	24	1 1/2"	2 1/2"-12	118	201	46	75		250	3600
ZJF454032	51	32	2"	2 1/2"-12	157	253	62	75		250	3600

ISO12151/5
SAE J516

DKJ90

JIC 90° SWEPT ELBOW - 74° CONE SEAT - TIEFFE NUT
JIC WARTEL MET BOCHT 90° - CONUS 74° - TIEFFE MOER



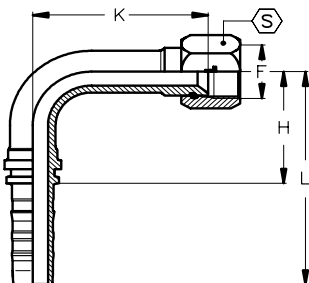
TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filetto	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	H	L	K	S	bar	PSI	
ZJF901412	20	12	3/4"	7/8"-14	55	106	55	27		420	6000
ZJF901712	20	12	3/4"	1 1/16"-12	55	106	52	32		420	6000
ZJF901912	20	12	3/4"	1 3/16"-12	55	106	52	36		420	6000
ZJF902112	20	12	3/4"	1 5/16"-12	55	106	52	41		380	5400
ZJF901716	25	16	1"	1 1/16"-12	71	128	71	32		420	6000
ZJF902116	25	16	1"	1 5/16"-12	71	128	67	41		380	5400
ZJF902616	25	16	1"	1 5/8"-12	71	128	67	50		325	4600
ZJF902120	32	20	1 1/4"	1 5/16"-12	87	154	84	41		380	5400
ZJF902620	32	20	1 1/4"	1 5/8"-12	87	154	81	50		325	4600
ZJF903020	32	20	1 1/4"	1 7/8"-12	87	154	81	60		290	4100
ZJF903024	38	24	1 1/2"	1 7/8"-12	105	188	97	60		290	4100
ZJF904024	38	24	1 1/2"	2 1/2"-12	105	188	97	75		250	3500
ZJF904032	51	32	2"	2 1/2"-12	140	237	132	75		250	3500

ISO12151/5
SAE J516

DKJ90

JIC 90° LONG DROP SWEPT ELBOW - 74° CONE SEAT - TIEFFE NUT
JIC WARTEL MET BOCHT 90° - CONUS 74° - TIEFFE MOER

LANGE BOCHT

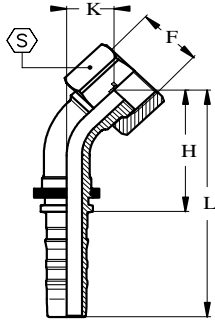


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filetto	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	H	L	K	S	bar	PSI	
ZJF901712-K96	20	12	3/4"	1 1/16"-12	55	106	96	32		420	6000
ZJF902116-K116	25	16	1"	1 5/16"-12	71	128	116	41		380	5400
ZJF902616-K116	25	16	1"	1 5/8"-12	71	128	116	50		325	4600
ZJF902620-K136	32	20	1 1/4"	1 5/8"-12	87	154	136	50		325	4600
ZJF903024-K162	38	24	1 1/2"	1 7/8"-12	105	188	162	60		290	4100
ZJF904032-K220	51	32	2"	2 1/2"-12	140	137	220	75		250	3500

ISO12151/1
SAE J516

FRS45

45° ORFS SWEPT ELBOW - SLIP ON NUT
BOCHT 45° ORFS

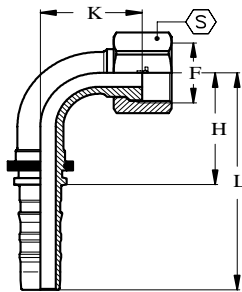


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	H	L	K	S	bar	PSI	
ZFU451912	20	12	3/4"	1 3/16"-12	60	111	22	36	420	6000	
ZFU452112	20	12	3/4"	1 7/16"-12	61	112	23	41	420	6000	
ZFU452116	25	16	1"	1 7/16"-12	78	134	29	41	420	6000	
ZFU452716	25	16	1"	1 11/16"-12	78	134	29	50	350	5000	
ZFU452720	32	20	1 1/4"	1 11/16"-12	93	159	34	50	350	5000	
ZFU453224	40	24	1 1/2"	2"-12	113	195	41	60	290	4200	

ISO12151/1
SAE J516

FRS90

90° ORFS SWEPT ELBOW - SLIP ON NUT
BOCHT 90° ORFS



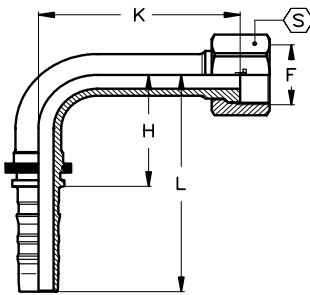
TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	H	L	K	S	bar	PSI	
ZFU901912	20	12	3/4"	1 3/16"-12	54	105	48	36	420	6000	
ZFU902112	20	12	3/4"	1 7/16"-12	54	105	49	41	420	6000	
ZFU902116	25	16	1"	1 7/16"-12	71	127	62	41	420	6000	
ZFU902716	25	16	1"	1 11/16"-12	71	127	62	50	350	5000	
ZFU902720	32	20	1 1/4"	1 11/16"-12	87	153	75	50	350	5000	
ZFU903224	40	24	1 1/2"	2"-12	105	187	90	60	290	4200	

ISO12151/1
SAE J516

FRS90

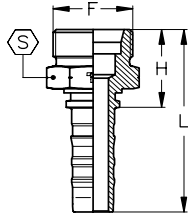
LONG DROP 90° ORFS SWEPT ELBOW - SLIP ON NUT
BOCHT 90° ORFS LANG

VERLENGD



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	H	L	K	S	bar	PSI	
ZFU901912-K96	20	12	3/4"	1 3/16"-12	54	105	96	36	420	6000	
ZFU902116-K114	25	16	1"	1 7/16"-12	71	127	114	41	420	6000	
ZFU902720-K130	32	20	1 1/4"	1 11/16"-12	87	153	130	50	350	5000	
ZFU903224-K155	40	24	1 1/2"	2"-12	105	187	155	60	290	4200	

ISO 12151-2
DIN 20078

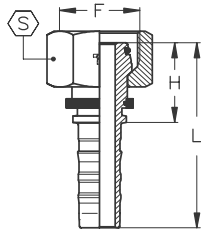


CES

METRIC MALE - 24° CONE SEAT - HEAVY DUTY
BUITENDRAAD METRISCH - CONUS 24° - ZWARE SERIE

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Tube	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	mm	H	L	S			bar	PSI
ZME302012	20	12	3/4"	M30x2	20	34	85	30			420	6000
ZME362512	20	12	3/4"	M36x2	25	38	89	36			420	6000
ZME362516	25	16	1"	M36x2	25	40	97	36			380	5400
ZME423016	25	16	1"	M42x2	30	44	101	46			280	4000
ZME423020	32	20	1 1/4"	M42x2	30	47	113	46			250	3500
ZME523820	32	20	1 1/4"	M52x2	38	51	117	55			250	3500
ZME523824	40	24	1 1/2"	M52x2	38	53	135	55			250	3500

ISO 12151-2
DIN 20078

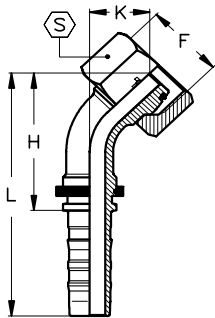


DKOS

METRIC FEMALE - 24° O'RING CONE - HEAVY DUTY
WARELKOPPELING METRISCH - CONUS 24° O'RING - ZWARE SERIE

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Tube	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	mm	H	L	S	O'Ring	bar	PSI	
ZFEO302012	20	12	3/4"	M30x2	20	37	88	36	16,3x2,4	420	6000	
ZFEO362512	20	12	3/4"	M36x2	25	39	90	46	20,3x2,4	420	6000	
ZFEO362516	25	16	1"	M36x2	25	41	97	46	22x2	380	5400	
ZFEO423016	25	16	1"	M42x2	30	42	98	50	25,3x2,4	280	4000	
ZFEO423020	32	20	1 1/4"	M42x2	30	43	109	50	25,3x2,4	250	3500	
ZFEO523820	32	20	1 1/4"	M52x2	38	48	115	60	33,3x2,4	250	3500	
ZFEO523824	40	24	1 1/2"	M52x2	38	51	133	60	33,3x2,4	250	3500	

ISO 12151-2
DIN 20078

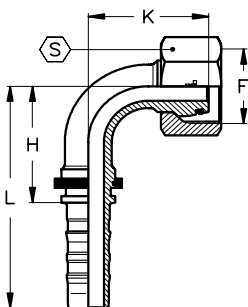


DKOS45

45° METRIC SWEPT ELBOW - 24° O'RING CONE - HEAVY DUTY
BOCHT 45° METRISCH - CONUS 24° O'RING - ZWARE SERIE

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Tube	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	mm	H	L	K	S	O'Ring	bar	PSI
ZFEO45302012	20	12	3/4"	M30x2	20	65	116	27	36	16,3x2,4	420	6000
ZFEO45362512	20	12	3/4"	M36x2	25	66	117	28	46	20,3x2,4	420	6000
ZFEO45362516	25	16	1"	M36x2	25	83	140	34	46	22x2	380	5400
ZFEO45423016	25	16	1"	M42x2	30	82	138	32	50	25,3x2,4	280	4000
ZFEO45423020	32	20	1 1/4"	M42x2	30	100	166	40	50	25,3x2,4	250	3500
ZFEO45523820	32	20	1 1/4"	M52x2	38	97	164	38	60	33,3x2,4	250	3500
ZFEO45523824	40	24	1 1/2"	M52x2	38	121	203	48	60	33,3x2,4	250	3500

ISO 12151-2
DIN 20078



DKOS90

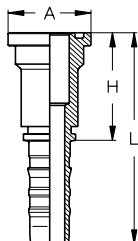
90° METRIC SWEPT ELBOW - 24° O'RING CONE - HEAVY DUTY
BOCHT 90° METRISCH - CONUS 24° O'RING - ZWARE SERIE

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Tube	Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	F	mm	H	L	K	S	O'Ring	bar	PSI
ZFEO90302012	20	12	3/4"	M30x2	20	55	106	55	36	16,3x2,4	420	6000
ZFEO90362512	20	12	3/4"	M36x2	25	55	106	55	46	20,3x2,4	420	6000
ZFEO90362516	25	16	1"	M36x2	25	71	128	69	46	22x2	380	5400
ZFEO90423016	25	16	1"	M42x2	30	71	128	67	50	25,3x2,4	280	4000
ZFEO90423020	32	20	1 1/4"	M42x2	30	87	154	83	50	25,3x2,4	250	3500
ZFEO90523820	32	20	1 1/4"	M52x2	38	87	154	80	60	33,3x2,4	250	3500
ZFEO90523824	40	24	1 1/2"	M52x2	38	105	188	100	60	33,3x2,4	250	3500

ISO12151/3
SAE J516

SFL

STRAIGHT FLANGE - ISO "L" SERIES - SAE CODE 61
RECHTE FLENS - ISO SERIE "L" - SAE CODE 61

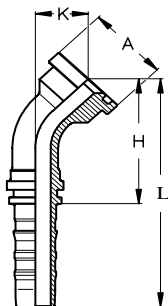


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	A		bar	PSI
Z31212	20	12	3/4"	12	3/4"	55	106	38,1		350	5000
Z31612	20	12	3/4"	16	1"	57	108	44,5		350	5000
Z32012	20	12	3/4"	20	1 1/4"	55	106	50,8		280	4000
Z31216	25	16	1"	12	3/4"	58	114,5	38,1		350	5000
Z31616	25	16	1"	16	1"	58	114,5	44,5		350	5000
Z32016	25	16	1"	20	1 1/4"	63	119,5	50,8		280	4000
Z32416	25	16	1"	24	1 1/2"	55	115,5	60,4		210	3000
Z31620	32	20	1 1/4"	16	1"	64	130,5	44,5		350	5000
Z32020	32	20	1 1/4"	20	1 1/4"	64	130,5	50,8		280	4000
Z32420	32	20	1 1/4"	24	1 1/2"	68	134,5	60,4		210	3000
Z33220	32	20	1 1/4"	32	2"	75	141,5	71,4		210	3000
Z32424	38	24	1 1/2"	24	1 1/2"	73	155,5	60,4		210	3000
Z33224	38	24	1 1/2"	32	2"	76	158,5	71,4		210	3000
Z33232	51	32	2"	32	2"	77	176,5	71,4		210	3000
Z34032	51	32	2"	40	2 1/2"	90	186,5	84,1		175	2500

ISO12151/3
SAE J516

SFL45

45° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61
FLENS BOCHT 45° - ISO SERIE "L" - SAE CODE 61

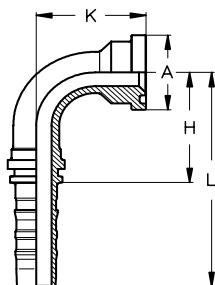


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
Z3451212	20	12	3/4"	12	3/4"	63	114	25	38,1	350	5000
Z3451612	20	12	3/4"	16	1"	65	116	27	44,5	350	5000
Z3451216	25	16	1"	12	3/4"	81	137	31	38,1	350	5000
Z3451616	25	16	1"	16	1"	78	134	28	44,5	350	5000
Z3452016	25	16	1"	20	1 1/4"	78	134	28	50,8	280	4000
Z3451620	32	20	1 1/4"	16	1"	96	163	37	44,5	350	5000
Z3452020	32	20	1 1/4"	20	1 1/4"	91	157	32	50,8	280	4000
Z3452420	32	20	1 1/4"	24	1 1/2"	91	157	32	60,4	210	3000
Z3452424	38	24	1 1/2"	24	1 1/2"	108	191	36	60,4	210	3000
Z3453224	38	24	1 1/2"	32	2"	107	189	35	71,4	210	3000
Z3453232	51	32	2"	32	2"	151	245	57	71,4	210	3000
Z3454032	51	32	2"	40	2 1/2"	146	243	51	84,1	175	2500

ISO12151/3
SAE J516

SFL90

90° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61
FLENS BOCHT 90° - ISO SERIE "L" - SAE CODE 61

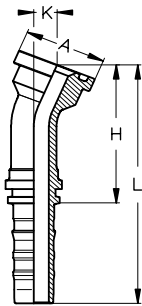


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
Z3901212	20	12	3/4"	12	3/4"	55	106	51	38,1	350	5000
Z3901612	20	12	3/4"	16	1"	55	106	55	44,5	350	5000
Z3902012	20	12	3/4"	20	1 1/4"	55	106	60	50,8	280	4000
Z3901216	25	16	1"	12	3/4"	71	128	65	38,1	350	5000
Z3901616	25	16	1"	16	1"	71	128	61	44,5	350	5000
Z3902016	25	16	1"	20	1 1/4"	71	128	61	50,8	280	4000
Z3902416	25	16	1"	24	1 1/2"	71	128	61	60,4	210	3000
Z3901620	32	20	1 1/4"	16	1"	87	154	79	44,5	350	5000
Z3902020	32	20	1 1/4"	20	1 1/4"	87	154	71	50,8	280	4000
Z3902420	32	20	1 1/4"	24	1 1/2"	87	154	71	60,4	210	3000
Z3902424	38	24	1 1/2"	24	1 1/2"	105	188	83	60,4	210	3000
Z3903224	38	24	1 1/2"	32	2"	105	188	81	71,4	210	3000
Z3903232	51	32	2"	32	2"	140	237	122	71,4	210	3000
Z3904032	51	32	2"	40	2 1/2"	140	237	117	84,1	175	2500

ISO12151/3
SAE J516

SFL22,5

22,5° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61
FLENS BOCHT 22,5° - ISO SERIE "L" - SAE CODE 61

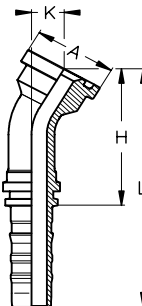


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A		bar	PSI
Z32251212	20	12	3/4"	12	3/4"	70	121	11	38,1		350	5000
Z32251612	20	12	3/4"	16	1"	73	124	12	44,5		350	5000
Z32251616	25	16	1"	16	1"	86	142	12	44,5		350	5000
Z32252016	25	16	1"	20	1 1/4"	86	142	12	50,8		280	4000
Z32252020	32	20	1 1/4"	20	1 1/4"	100	166	13	50,8		280	4000
Z32252420	32	20	1 1/4"	24	1 1/2"	100	166	13	60,4		210	3000
Z32252424	38	24	1 1/2"	24	1 1/2"	118	201	15	60,4		210	3000
Z32253224	38	24	1 1/2"	32	2"	116	199	14	71,4		210	3000
Z32253232	51	32	2"	32	2"	165	262	22	71,4		210	3000

ISO12151/3
SAE J516

SFL30

30° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61
FLENS BOCHT 30° - ISO SERIE "L" - SAE CODE 61

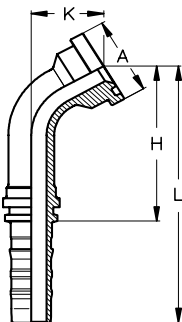


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A		bar	PSI
Z3301212	20	12	3/4"	12	3/4"	68	119	16	38,1		350	5000
Z3301612	20	12	3/4"	16	1"	71	122	17	44,5		350	5000
Z3301616	25	16	1"	16	1"	84	140	17	44,5		350	5000
Z3302016	25	16	1"	20	1 1/4"	84	140	17	50,8		280	4000
Z3302020	32	20	1 1/4"	20	1 1/4"	98	164	19	50,8		280	4000
Z3302420	32	20	1 1/4"	24	1 1/2"	98	164	19	60,4		210	3000
Z3302424	38	24	1 1/2"	24	1 1/2"	116	199	22	60,4		210	3000
Z3303224	38	24	1 1/2"	32	2"	114	197	21	71,4		210	3000
Z3303232	51	32	2"	32	2"	162	258	31	71,4		210	3000

ISO12151/3
SAE J516

SFL60

60° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61
FLENS BOCHT 60° - ISO SERIE "L" - SAE CODE 61

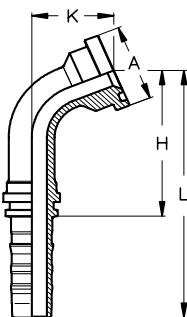


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A		bar	PSI
Z3601212	20	12	3/4"	12	3/4"	77	128	34	38,1		350	5000
Z3601612	20	12	3/4"	16	1"	79	130	37	44,5		350	5000
Z3601616	25	16	1"	16	1"	98	154	40	44,5		350	5000
Z3602016	25	16	1"	20	1 1/4"	98	154	40	50,8		280	4000
Z3602020	32	20	1 1/4"	20	1 1/4"	118	184	45	50,8		280	4000
Z3602420	32	20	1 1/4"	24	1 1/2"	118	184	45	60,4		210	3000
Z3602424	38	24	1 1/2"	24	1 1/2"	140	223	52	60,4		210	3000
Z3603224	38	24	1 1/2"	32	2"	139	222	50	71,4		210	3000
Z3603232	51	32	2"	32	2"	192	289	73	71,4		210	3000

ISO12151/3
SAE J516

SFL67,5

67,5° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61
FLENS BOCHT 67,5° - ISO SERIE "L" - SAE CODE 61

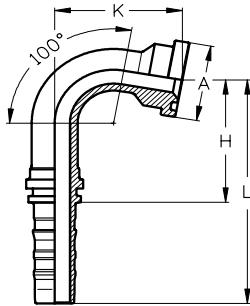


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A		bar	PSI
Z36751212	20	12	3/4"	12	3/4"	72	123	39	38,1		350	5000
Z36751612	20	12	3/4"	16	1"	73	124	41	44,5		350	5000
Z36751616	25	16	1"	16	1"	92	148	45	44,5		350	5000
Z36752016	25	16	1"	20	1 1/4"	92	148	45	50,8		280	4000
Z36752020	32	20	1 1/4"	20	1 1/4"	111	178	52	50,8		280	4000
Z36752420	32	20	1 1/4"	24	1 1/2"	111	178	52	60,4		210	3000
Z36752424	38	24	1 1/2"	24	1 1/2"	133	216	60	60,4		210	3000
Z36753024	38	24	1 1/2"	32	2"	132	215	58	71,4		210	3000
Z36753232	51	32	2"	32	2"	181	278	84	71,4		210	3000

ISO12151/3
SAE J516

SFL100

100° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61
FLENS BOCHT 100° - ISO SERIE "L" - SAE CODE 61

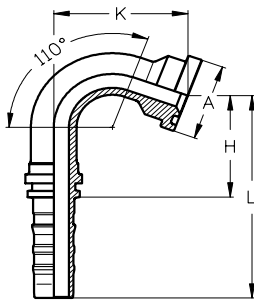


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
Z31001212	20	12	3/4"	12	3/4"	61	112	59	38,1	350	5000
Z31001616	25	16	1"	16	1"	77	134	68	44,5	350	5000

ISO12151/3
SAE J516

SFL110

110° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61
FLENS BOCHT 110° - ISO SERIE "L" - SAE CODE 61

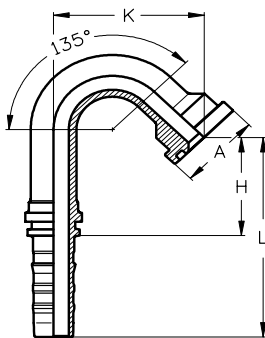


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
Z31101212	20	12	3/4"	12	3/4"	51	102	62	38,1	350	5000
Z31101616	25	16	1"	16	1"	65	121	73	44,5	350	5000
Z31102016	25	16	1"	20	1 1/4"	65	121	73	50,8	280	4000
Z31102020	32	20	1 1/4"	20	1 1/4"	82	148	83	50,8	280	4000
Z31102420	32	20	1 1/4"	24	1 1/2"	82	148	83	60,4	210	3000
Z31102424	38	24	1 1/2"	24	1 1/2"	95	178	97	60,4	210	3000
Z31103232	51	32	2"	32	2"	124	220	142	71,4	210	3000

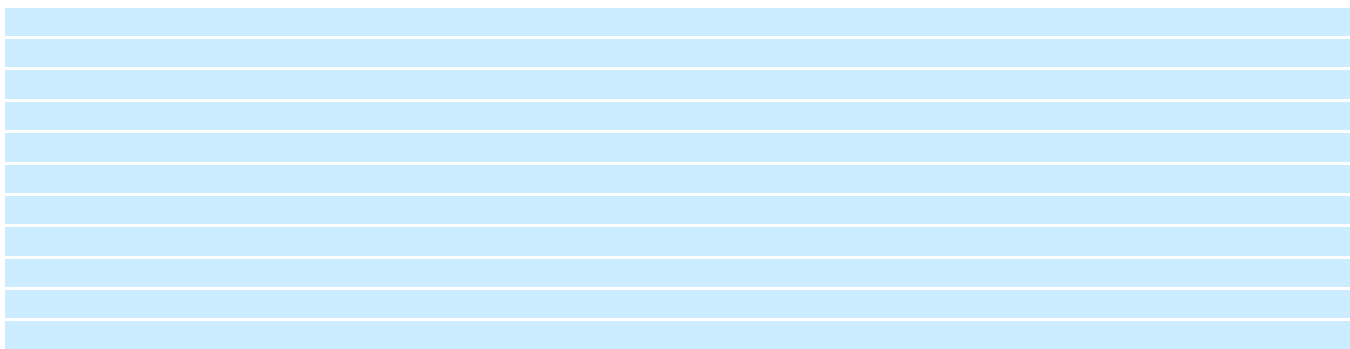
ISO12151/3
SAE J516

SFL135

135° FLANGE ELBOW - ISO "L" SERIES - SAE CODE 61
FLENS BOCHT 135° - ISO SERIE "L" - SAE CODE 61

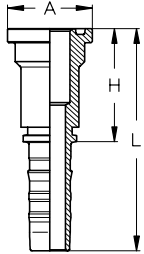


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
Z31351212	20	12	3/4"	12	3/4"	69	120	70	38,1	350	5000
Z31351612	20	12	3/4"	16	1"	69	120	70	44,5	350	5000
Z31351616	25	16	1"	16	1"	57	113	86	44,5	350	5000



**ISO12151/3
SAE J516**

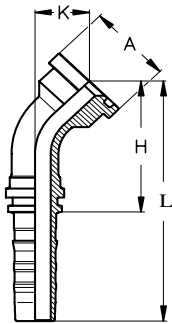
SFS **STRAIGHT FLANGE - ISO "S" SERIES - SAE CODE 62**
FLENS RECHT - ISO SERIE "S" - SAE CODE 62



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	A		bar	PSI
Z61212	20	12	3/4"	12	3/4"	59	110	41,3		420	6000
Z61612	20	12	3/4"	16	1"	61	112	47,6		420	6000
Z61216	25	16	1"	12	3/4"	65	121,5	41,3		420	6000
Z61616	25	16	1"	16	1"	65	121,5	47,6		420	6000
Z62016	25	16	1"	20	1 1/4"	69	125,5	54		420	6000
Z61620	32	20	1 1/4"	16	1"	70	136,5	47,6		420	6000
Z62020	32	20	1 1/4"	20	1 1/4"	70	136,5	54		420	6000
Z62420	32	20	1 1/4"	24	1 1/2"	80	146,5	63,5		420	6000
Z62424	38	24	1 1/2"	24	1 1/2"	84	116,5	63,5		420	6000
Z63224	38	24	1 1/2"	32	2"	99	181,5	79,4		420	6000
Z63232	51	32	2"	32	2"	100	196,5	79,4		350	5000

**ISO12151/3
SAE J516**

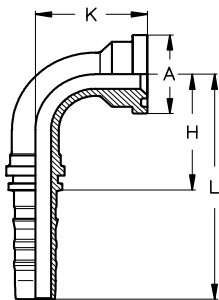
SFS45 **45° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62**
FLENS 45° - ISO SERIE "S" - SAE CODE 62



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
Z6451212	20	12	3/4"	12	3/4"	66	117	28	41,3	420	6000
Z6451612	20	12	3/4"	16	1"	68	118	29	47,6	420	6000
Z6451216	25	16	1"	12	3/4"	81	137	31	41,3	420	6000
Z6451616	25	16	1"	16	1"	80	136	30	47,6	420	6000
Z6452016	25	16	1"	20	1 1/4"	80	136	30	54	420	6000
Z6451620	32	20	1 1/4"	16	1"	96	163	37	47,6	420	6000
Z6452020	32	20	1 1/4"	20	1 1/4"	93	160	34	54	420	6000
Z6452420	32	20	1 1/4"	24	1 1/2"	94	161	35	63,5	420	6000
Z6452424	38	24	1 1/2"	24	1 1/2"	112	195	40	63,5	420	6000
Z6453224	38	24	1 1/2"	32	2"	115	198	43	79,4	420	6000
Z6453232	51	32	2"	32	2"	150	247	56	79,4	350	5000

**ISO12151/3
SAE J516**

SFS90 **90° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62**
FLENS 90° - ISO SERIE "S" - SAE CODE 62

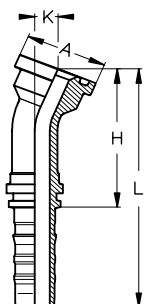


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
Z6901212	20	12	3/4"	12	3/4"	55	106	56	41,3	420	6000
Z6901612	20	12	3/4"	16	1"	55	106	58	47,6	420	6000
Z6901216	25	16	1"	12	3/4"	71	128	65	41,3	420	6000
Z6901616	25	16	1"	16	1"	71	128	64	47,6	420	6000
Z6902016	25	16	1"	20	1 1/4"	71	128	64	54	420	6000
Z6901620	32	20	1 1/4"	16	1"	87	154	79	47,6	420	6000
Z6902020	32	20	1 1/4"	20	1 1/4"	87	154	74	54	420	6000
Z6902420	32	20	1 1/4"	24	1 1/2"	87	154	76	63,5	420	6000
Z6902424	38	24	1 1/2"	24	1 1/2"	105	188	88	63,5	420	6000
Z6903224	38	24	1 1/2"	32	2"	105	188	93	79,4	420	6000
Z6903232	51	32	2"	32	2"	140	237	123	79,4	350	5000



**ISO12151/3
SAE J516**

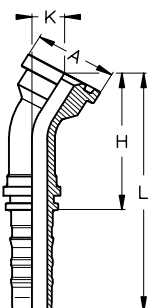
SFS22,5 **22,5° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62**
FLENS 22,5° - ISO SERIE "S" - SAE CODE 62



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
	20	12	3/4"	12	3/4"	74	125	13	41,3	420	6000
	20	12	3/4"	16	1"	76	127	14	47,6	420	6000
	25	16	1"	16	1"	89	145	13	47,6	420	6000
	25	16	1"	20	1 1/4"	89	145	13	54	420	6000
	32	20	1 1/4"	20	1 1/4"	103	169	15	54	420	6000
	32	20	1 1/4"	24	1 1/2"	104	171	15	63,5	420	6000
	38	24	1 1/2"	24	1 1/2"	123	206	17	63,5	420	6000
	38	24	1 1/2"	32	2"	127	210	19	79,4	420	6000
	51	32	2"	32	2"	166	263	24	79,4	350	5000

**ISO12151/3
SAE J516**

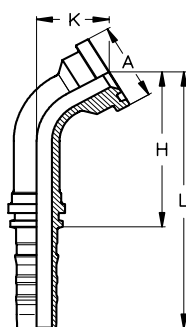
SFS30 **30° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62**
FLENS 30° - ISO SERIE "S" - SAE CODE 62



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
	20	12	3/4"	12	3/4"	72	123	18	41,3	420	6000
	20	12	3/4"	16	1"	74	125	19	47,6	420	6000
	25	16	1"	16	1"	87	143	19	47,6	420	6000
	25	16	1"	20	1 1/4"	87	143	19	54	420	6000
	32	20	1 1/4"	20	1 1/4"	100	167	20	54	420	6000
	32	20	1 1/4"	24	1 1/2"	102	168	21	63,5	420	6000
	38	24	1 1/2"	24	1 1/2"	121	203	24	63,5	420	6000
	38	24	1 1/2"	32	2"	124	207	26	79,4	420	6000
	51	32	2"	32	2"	162	259	34	79,4	350	5000

**ISO12151/3
SAE J516**

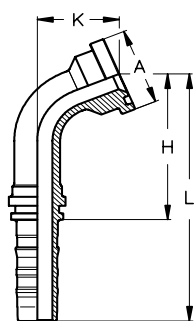
SFS60 **60° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62**
FLENS 60° - ISO SERIE "S" - SAE CODE 62



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
Z6601212	20	12	3/4"	12	3/4"	79	130	38	41,3	420	6000
Z6601612	20	12	3/4"	16	1"	80	131	40	47,6	420	6000
Z6601616	25	16	1"	16	1"	99	155	42	47,6	420	6000
Z6602016	25	16	1"	20	1 1/4"	99	155	42	54	420	6000
Z6602020	32	20	1 1/4"	20	1 1/4"	119	185	47	54	420	6000
Z6602420	32	20	1 1/4"	24	1 1/2"	120	186	49	63,5	420	6000
Z6602424	38	24	1 1/2"	24	1 1/2"	143	225	56	63,5	420	6000
Z6603224	38	24	1 1/2"	32	2"	145	228	60	79,4	420	6000
Z6603232	51	32	2"	32	2"	193	289	79	79,4	350	5000

**ISO12151/3
SAE J516**

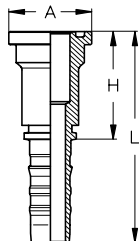
SFS67,5 **67,5° FLANGE ELBOW - ISO "S" SERIES - SAE CODE 62**
FLENS 67,5° - ISO SERIE "S" - SAE CODE 62



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)				Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	bar	PSI
	20	12	3/4"	12	3/4"	74	125	43	41,3	420	6000
	20	12	3/4"	16	1"	75	126	45	47,6	420	6000
	25	16	1"	16	1"	93	150	48	47,6	420	6000
	25	16	1"	20	1 1/4"	93	150	48	54	420	6000
	32	20	1 1/4"	20	1 1/4"	112	179	54	54	420	6000
	32	20	1 1/4"	24	1 1/2"	113	180	56	63,5	420	6000
	38	24	1 1/2"	24	1 1/2"	135	217	65	63,5	420	6000
	38	24	1 1/2"	32	2"	137	219	69	79,4	420	6000
	51	32	2"	32	2"	182	278	90	79,4	350	5000

SFS^{UPERCAT}

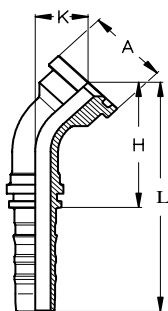
"SUPERCAT" STRAIGHT FLANGE FLENS "SUPERCAT" - RECHT



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	A		D'RING	bar	PSI
ZC1212	20	12	3/4"	12	3/4"	84	135	41,3		DR12	420	6000
ZC1612	20	12	3/4"	16	1"	84	135	47,6		DR16	420	6000
ZC1616	25	16	1"	16	1"	90	146,5	47,6		DR16	420	6000
ZC2016	25	16	1"	20	1 1/4"	90	146,5	54		DR20	420	6000
ZC2020	32	20	1 1/4"	20	1 1/4"	88	154,4	54		DR20	420	6000
ZC2420	32	20	1 1/4"	24	1 1/2"	88	154,5	63,5		DR24	420	6000
ZC2424	38	24	1 1/2"	24	1 1/2"	84	166,5	63,5		DR24	420	6000
ZC3224	38	24	1 1/2"	32	2"	110	192,5	79,4		DR32	420	6000
ZC3232	51	32	2"	32	2"	130	226,5	79,4		DR32	350	5000

SFS^{UPERCAT45}

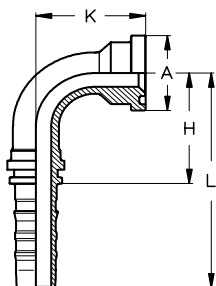
"SUPERCAT" 45° FLANGE ELBOW FLENS "SUPERCAT" - BOCHT 45°



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	D'RING	bar	PSI
ZC451212	20	12	3/4"	12	3/4"	72	123	34	41,3	DR12	420	6000
ZC451612	20	12	3/4"	16	1"	74	125	36	47,6	DR16	420	6000
ZC451616	25	16	1"	16	1"	86	143	36	47,6	DR16	420	6000
ZC452016	25	16	1"	20	1 1/4"	86	143	36	54	DR20	420	6000
ZC452020	32	20	1 1/4"	20	1 1/4"	96	162	36	54	DR20	420	6000
ZC452420	32	20	1 1/4"	24	1 1/2"	96	162	36	63,5	DR24	420	6000
ZC452424	38	24	1 1/2"	24	1 1/2"	114	196	41	63,5	DR24	420	6000
ZC453224	38	24	1 1/2"	32	2"	116	199	44	79,4	DR32	420	6000
ZC453232	51	32	2"	32	2"	152	250	57	79,4	DR32	350	5000

SFS^{UPERCAT90}

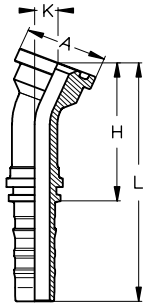
"SUPERCAT" 90° FLANGE ELBOW FLENS "SUPERCAT" - BOCHT 90°



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	D'RING	bar	PSI
ZC901212	20	12	3/4"	12	3/4"	55	106	64	41,3	DR12	420	6000
ZC901612	20	12	3/4"	16	1"	55	106	64	47,6	DR16	420	6000
ZC901616	25	16	1"	16	1"	71	128	73	47,6	DR16	420	6000
ZC902016	25	16	1"	20	1 1/4"	71	128	73	54	DR20	420	6000
ZC902020	32	20	1 1/4"	20	1 1/4"	87	154	77	54	DR20	420	6000
ZC902420	32	20	1 1/4"	24	1 1/2"	87	154	78	63,5	DR24	420	6000
ZC902424	38	24	1 1/2"	24	1 1/2"	105	188	90	63,5	DR24	420	6000
ZC903224	38	24	1 1/2"	32	2"	105	188	94	79,4	DR32	420	6000
ZC903232	51	32	2"	32	2"	140	237	125	79,4	DR32	350	5000

SFS^{SUPERCAT}22,5

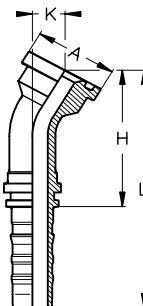
"SUPERCAT" 22,5° FLANGE ELBOW FLENS "SUPERCAT" - BOCHT 22,5°



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	D'RING	bar	PSI
	20	12	3/4"	12	3/4"	82	133	16	41,3	DR12	420	6000
	20	12	3/4"	16	1"	84	135	17	47,6	DR16	420	6000
	25	16	1"	16	1"	97	153	17	47,6	DR16	420	6000
	25	16	1"	20	1 1/4"	97	153	17	54	DR20	420	6000
	32	20	1 1/4"	20	1 1/4"	406	172	16	54	DR20	420	6000
	32	20	1 1/4"	24	1 1/2"	406	174	16	63,5	DR24	420	6000
	38	24	1 1/2"	24	1 1/2"	125	208	18	63,5	DR24	420	6000
	38	24	1 1/2"	32	2"	129	211	19	79,4	DR32	420	6000
	51	32	2"	32	2"	168	265	25	79,4	DR32	350	5000

SFS^{SUPERCAT}30

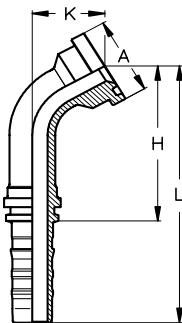
"SUPERCAT" 30° FLANGE ELBOW FLENS "SUPERCAT" - BOCHT 30°



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	D'RING	bar	PSI
	20	12	3/4"	12	3/4"	79	130	22	41,3	DR12	420	6000
	20	12	3/4"	16	1"	82	133	23	47,6	DR16	420	6000
	25	16	1"	16	1"	94	151	23	47,6	DR16	420	6000
	25	16	1"	20	1 1/4"	94	151	23	54	DR20	420	6000
	32	20	1 1/4"	20	1 1/4"	103	170	22	54	DR20	420	6000
	32	20	1 1/4"	24	1 1/2"	104	170	23	63,5	DR24	420	6000
	38	24	1 1/2"	24	1 1/2"	123	205	25	63,5	DR24	420	6000
	38	24	1 1/2"	32	2"	126	208	27	79,4	DR32	420	6000
	51	32	2"	32	2"	164	264	35	79,4	DR32	350	5000

SFS^{SUPERCAT}60

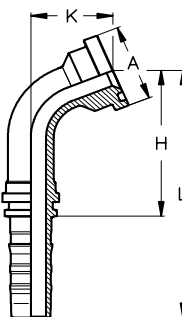
"SUPERCAT" 60° FLANGE ELBOW FLENS "SUPERCAT" - BOCHT 60°



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	D'RING	bar	PSI
	20	12	3/4"	12	3/4"	83	134	45	41,3	DR12	420	6000
	20	12	3/4"	16	1"	85	136	48	47,6	DR16	420	6000
	25	16	1"	16	1"	103	160	50	47,6	DR16	420	6000
	25	16	1"	20	1 1/4"	103	160	50	54	DR20	420	6000
	32	20	1 1/4"	20	1 1/4"	121	187	50	54	DR20	420	6000
	32	20	1 1/4"	24	1 1/2"	121	187	51	63,5	DR24	420	6000
	38	24	1 1/2"	24	1 1/2"	144	226	58	63,5	DR24	420	6000
	38	24	1 1/2"	32	2"	146	228	61	79,4	DR32	420	6000
	51	32	2"	32	2"	194	290	81	79,4	DR32	350	5000

SFS^{SUPERCAT}67,5

"SUPERCAT" 67,5° FLANGE ELBOW FLENS "SUPERCAT" - BOCHT 67,5°

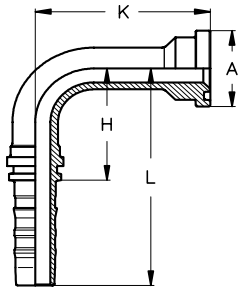


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	D'RING	bar	PSI
	20	12	3/4"	12	3/4"	77	128	50	41,3	DR12	420	6000
	20	12	3/4"	16	1"	79	130	53	47,6	DR16	420	6000
	25	16	1"	16	1"	97	153	56	47,6	DR16	420	6000
	25	16	1"	20	1 1/4"	97	153	56	54	DR20	420	6000
	32	20	1 1/4"	20	1 1/4"	114	181	57	54	DR20	420	6000
	32	20	1 1/4"	24	1 1/2"	114	181	58	63,5	DR24	420	6000
	38	24	1 1/2"	24	1 1/2"	137	219	66	63,5	DR24	420	6000
	38	24	1 1/2"	32	2"	138	220	69	79,4	DR32	420	6000
	51	32	2"	32	2"	184	280	92	79,4	DR32	350	5000

SFSUPERCAT 90

"SUPERCAT" 90° LONG DROP FLANGE ELBOW

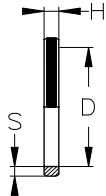
FLANGIA "SUPERCAT" - CURVA 90° - INGOMBRO SPECIALE



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Dimensions (mm)					Maximum W.P.	
	DN	Size	Inch	Size	Inch	H	L	K	A	D'RING	bar	PSI
	20	12	3/4"	12	3/4"	55	106	129	41,3	DR12	420	6000
	25	16	1"	16	1"	71	128	132	47,6	DR16	420	6000
	25	16	1"	16	1"	71	128	150	47,6	DR16	420	6000
	32	20	1 1/4"	20	1 1/4"	87	154	150	54	DR20	420	6000
	32	20	1 1/4"	24	1 1/2"	87	154	135	63,5	DR24	420	6000
	38	24	1 1/2"	24	1 1/2"	105	188	106	63,5	DR24	420	6000

D'RING SEAL FOR "SUPERCAT" FLANGES

GUARNIZIONI D'RING PER FLANGE "SUPERCAT"



TIEFFE Part.N.	Flange Flangia		Dimensions (mm)		
	Size	Inch	D	H	S
DR12	12	3/4"	25,4	5	3,5
DR16	16	1"	31,8	5	3,5
DR20	20	1 1/4"	38,1	5	3,5
DR24	24	1 1/2"	44,5	5	3,5
DR32	32	2"	63,9	5	3,5

**HOSE ASSEMBLING PROCEDURE - BY CHECKING INSERT
BORE COLLAPSE**

- 1- Select the specified hose (A), ferrules (B) and inserts (C) listed in the latest release of TIEFFE hose connectors catalogue. (See Figure 1)

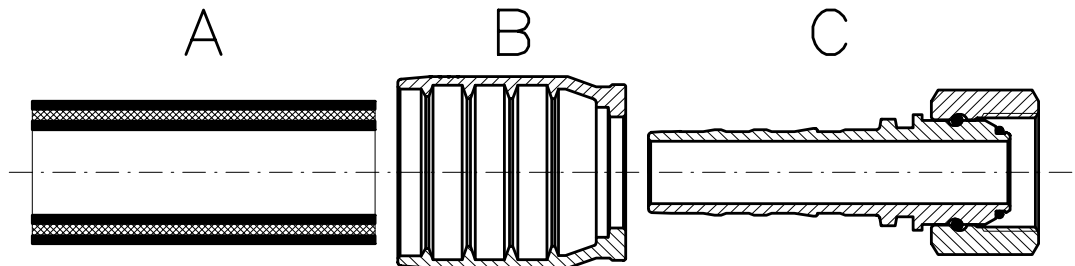


Figure 1

- 2- Cut the hose squarely using a rotary steel blade (non abrasive) to the required length.
- 3- **If skiving is required**, remove all rubber cover to the "skiving length" specified in the ASSEMBLING DATA TABLE avoiding damages to the steel wires reinforcement.
- 4- Place the ferrule fully onto the hose. Push the insert fully into the hose. Select the "COLLAPSE CONTROL MANDREL" for size and series of TIEFFE inserts. Insert the MANDREL into the insert bore. The "NO GO" part of the MANDREL must fully go into the insert bore. (See Figure 2). Remove the MANDREL.

**PROCEDURE VOOR MONTAGE SLANG COPPELING -
METHODE VOOR CONTROLE VAN DE COLLAPSE**

- 1- Selecteer de slang. (A), de huls (B) en de koppeling (C) Opgenomen in de laatste catalogus van KW Flextubo (zie figuur 1)

Figura 1

- 2- Zaag de slang met een metaal blad (non abrasie) tot de gewenste lengte
- 3- **Als schillen nodig is, verwijder alle rubber tot** de "skiving length" gespecificeerd op de ASSEMBLING DATA TABLE maar voorkom beschadiging aan de stalen draden.
- 4- Schuif de huls om de slang Druk de koppeling in de slang Kies de Collapse (colpin) voor de maat van de Tieffe koppeling Druk de colpin in de slang Het dunne gedeelte van de colpin moet volledig in de koppeling gaan (kijk naar figuur 2) Verwijder de colpin

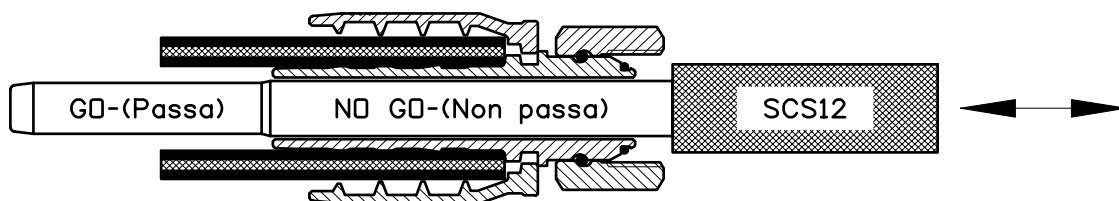


Figure 2

Figura 2

- 5- Crimp the ferrule to the diameter specified in the table ASSEMBLING DATA TABLE.
- 6- Inspect the crimp diameter by measuring it on each each die impressions. All measurements must be taken in the center of ferrule length. All measurements must be according to the specified crimp diameters, within a tolerance +0,0/-0,2 mm.
- 7- Insert the "COLLAPSE CONTROL MANDREL".

- 5- Pers de huls tot de diameter gespecificeerd in de Montage tabel
- 6- Controleer de krimp diameter door te meten in elke koppeling. De maten moeten genomen in het midden van de huls. Alle maten moeten overeenkomen met de krimp diameter met een tolerantie van +0 tot -/ 0,2 mm
- 7- Controleer met de colpin

8- If the "NO GO" part of the MANDREL stops in the bore as shown in Figure 3, crimp diameter and bore collapse are correct.

9- If the "NO GO" part of the MANDREL goes through the bore, the crimp diameter must be reduced by increments of 0,1 mm to reach the condition shown in Figure 3.

10- If the "GO" part of the MANDREL does not go through the bore, the crimp diameter must be increased (step by step) to reach the condition shown in Figure 3.

8- Als het NO GO gedeelte van de colpin stopt in de boring zoals afgebeeld in figuur 3 crimp Diameter is correct

9 Als het NO Go gedeelte van de colpin er volledig ingaat , dan moet je verder persen met 0,1 mm elke keer, zie figuur 3

10 Als het Go gedeelte van de colpin er niet ingaat, dan moet de Crimp Diameter groter gemaakt worden stapje voor stapje totdat hij er weer inschuift. zie figuur 3

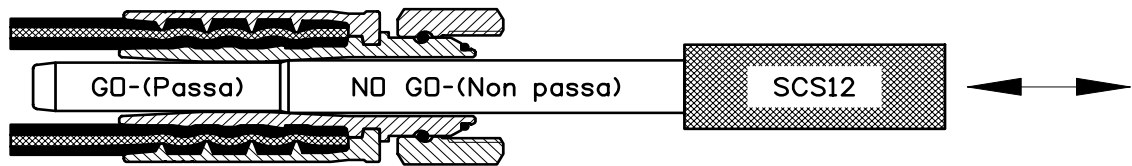


Figure 3

Figura 3

"SCS" COLLAPSE CONTROL MANDREL dimensions

Dimensies Colpin "SCS"

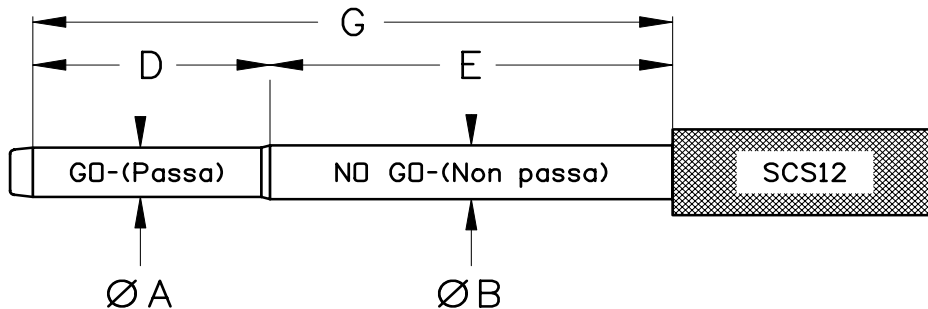
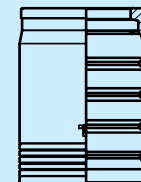
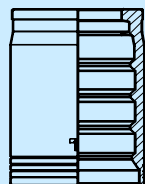


Figure 4

TIEFFE Part.N.	Hose I.D. Ø interno tubo			INSERT BORE COLLAPSE Collasso foro inserto (mm)		COLLAPSE CONTROL MANDREL dimensions (mm) Dimensioni SPINE DI CONTROLLO COLLASSO (mm)				
	DN	Size	Inch	minimum	maximum	ØA +0,00/-0,05	ØB +0,00/-0,05	D	E	G
SCS12	20	12	3/4"	0,70	1,40	12,60	13,30	55	115	170
SCS16	25	16	1"	0,80	1,60	17,4	18,2	60	130	190
SCS20	32	20	1 1/4"	0,90	1,80	22,7	23,6	70	150	220
SCS24	40	24	1 1/2"	1,00	2,00	28	29	85	185	270
SCS32	50	32	2"	1,20	2,40	37,6	38,8	100	230	330

SKIVE



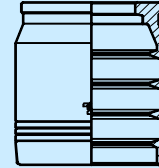
BSS4

BSS6

SKIVE

Hose I.D. Ø Interno tubo			EN8564 SP			EN456 4SH			EN856 R12 SAE100 R12			EN856 R13 SAE100 R13			SAE100 R15			Collapse control mandrel Spina controllo collasso
			Ferrule Boccola	Skiving length Lung. di spellat.	Swaged diam. Diametro di press. (Ref.)	Ferrule Boccola	Skiving length Lung. di spellat.	Swaged diam. Diametro di press. (Ref.)	Ferrule Boccola	Skiving length Lung. di spellat.	Swaged diam. Diametro di press. (Ref.)	Ferrule Boccola	Skiving length Lung. di spellat.	Swaged diam. Diametro di press. (Ref.)	Ferrule Boccola	Skiving length Lung. di spellat.	Swaged diam. Diametro di press. (Ref.)	
DN	SIZE	Inch	Part. N.	mm	mm	Part. N.	mm	mm	Part. N.	mm	mm	Part. N.	mm	mm	Part. N.	mm	mm	Part. N.
19	12	3/4"	HSS412	41,5	32,5	HSS412	41,5	32,7	HSS412	41,5	32,1	HSS412	41,5	33,2	HSS412	41,5	33,2	SCS12
25	16	1"	HSS416	44,5	40,4	HSS416	44,5	40,3	HSS416	44,5	40,1	HSS416	44,5	40,8	HSS416	44,5	40,8	SCS16
31	20	1 1/4"	HSS620	53	50,7	HSS420	52,5	46,4	HSS420	52,5	48,0	HSS620	53	51,3	HSS620	53	51,3	SCS20
38	24	1 1/2"	HSS624	69	59,4	HSS424	68,5	57,4	HSS424	68,5	56,0	HSS624	69	60,8	HSS624	69	60,8	SCS24
51	32	2"	HSS632	78	73,6	HSS432	78	68,8	HSS432	78	69,1	HSS632	78	75,7				SCS32

**NON
SKIVE**



NON SKIVE

BSN4

Hose I.D. Ø Interno tubo			EN8564 SP			EN456 4SH			EN856 R12 SAE100 R12			EN856 R13 SAE100 R13			SAE100 R15			Collapse control mandrel Spina controllo collasso
			Ferrule Boccola		Swaged diam. Diametro di press. (Ref.)	Ferrule Boccola		Swaged diam. Diametro di press. (Ref.)	Ferrule Boccola		Swaged diam. Diametro di press. (Ref.)	Ferrule Boccola		Swaged diam. Diametro di press. (Ref.)	Ferrule Boccola		Swaged diam. Diametro di press. (Ref.)	
DN	SIZE	Inch	Part. N.		mm	Part. N.		mm	Part. N.		mm	Part. N.		mm	Part. N.		mm	Part. N.
19	12	3/4"	HSN412		35,9	HSN412		35,9	HSN412		34,6	HSN412		35,8	HSN412		35,8	SCS12
25	16	1"	HSN416		43,0	HSN416		42,1	HSN416		41,5	HSN416		42,2	HSN416		42,1	SCS16
31	20	1 1/4"				HSN420		50,6	HSN420		51,9							SCS20
38	24	1 1/2"				HSN424		60,0	HSN424		60,0							SCS24
51	32	2"				HSN432		73,8	HSN432		72,5							SCS32