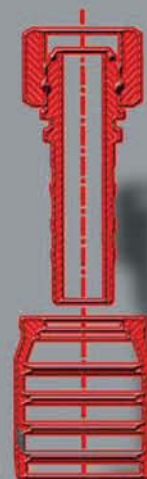




LEHENGOTAK, S.A.

CS Series



Guaranteed System



LEHENGOTAK, S.A.



Sede Legale e Amministrativa
Via dell'Industria 7- 27010 Cura Carpignano (Pavia)
C.F. e Reg. Imp. di PV: 01114220336 Partita I.V.A.: 01890570185
CAPITALE SOCIALE : € 1.138.591,32 i.v.



Cura Carpignano 17/11/2008

**OBJECT: CONFORMITY DECLARATION FOR TIEFFE FITTINGS
AND VINCKE'S HOSES**

TIEFFE S.P.A. confirms that the hoses identified with the name VINCKE can be used on the Tieffe fittings CS series.

TIEFFE S.P.A. guarantee the performance of the fittings as indicated in the TIEFFE CS series Catalogue if the hose assembling is made following the Tieffe assembling manual.

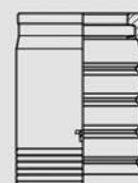
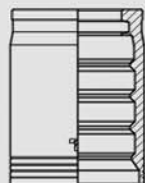
This assembling way is necessary to obtain the right performance of the assembled hoses.

On the next pages we indicate all the necessary operations and data to obtain the perfect hose assembling.

TIEFFE S.P.A.



SKIVE



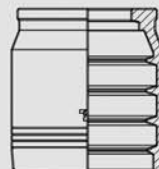
SKIVE

BSS4

BSS6

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"	BSS412	41,5	32,5	BSS412	41,5	32,7	BSS412	41,5	32,1	BSS412	41,5	33,2	BSS412	41,5	33,2	SCS12
25	16	1"	BSS416	44,5	40,4	BSS416	44,5	40,3	BSS416	44,5	40,1	BSS416	44,5	40,8	BSS416	44,5	40,8	SCS16
31	20	1 1/4"	BSS620	53	50,7	BSS420	52,5	46,4	BSS420	52,5	48,0	BSS620	53	51,3	BSS620	53	51,3	SCS20
38	24	1 1/2"	BSS624	69	59,4	BSS424	68,5	57,4	BSS424	68,5	56,0	BSS624	69	60,8	BSS624	69	60,8	SCS24
51	32	2"	BSS632	78	73,6	BSS432	78	68,8	BSS432	78	69,1	BSS632	78	75,7				SCS32

NO
SKIVE



NO 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
DN	SIZE	Inch	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.)	
Part. N.			Part. N.		mm	Part. N.		mm	Part. N.		mm	Part. N.		mm	Part. N.		mm	Part. N.
19	12	3/4"	BSN412		35,9	BSN412		35,9	BSN412		34,6	BSN412		35,8	BSN412		35,8	SCS12
25	16	1"	BSN416		43,0	BSN416		42,1	BSN416		41,5	BSN416		42,2	BSN416		42,1	SCS16
31	20	1 1/4"				BSN420		50,6	BSN420		51,9							SCS20
38	24	1 1/2"				BSN424		60,0	BSN424		60,0							SCS24
51	32	2"				BSN432		73,8	BSN432		72,5							SCS32

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- Se la parte "Non passa" della "SPINA di CONTROLLO COLLASSO" si blocca nel foro, come evidenziato in Figura 3, il diametro di pressatura ed il collasso del foro sono corretti.

9 Se la parte "Non passa" della "SPINA di CONTROLLO COLLASSO" entra completamente nel foro, il diametro di pressatura deve essere ridotto, di decimo in decimo, fino al verificarsi delle condizioni evidenziate in Figura 3.

10 Se la parte "Passa" della "SPINA di CONTROLLO COLLASSO" non entra nel foro, il diametro di pressatura deve essere aumentato, di decimo in decimo, fino al verificarsi delle condizioni evidenziate in Figura 3.

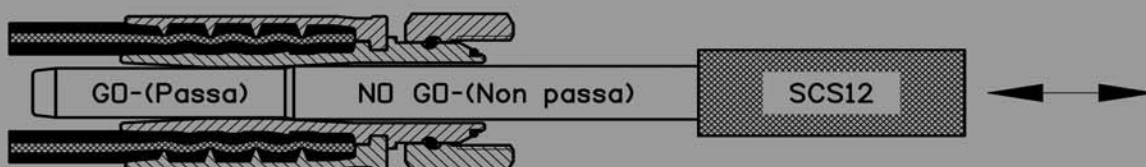


Figure 3

Figura 3

"SCS" COLLAPSE CONTROL MANDREL dimensions

Dimensioni SPINE DI CONTROLLO COLLASSO "SCS"

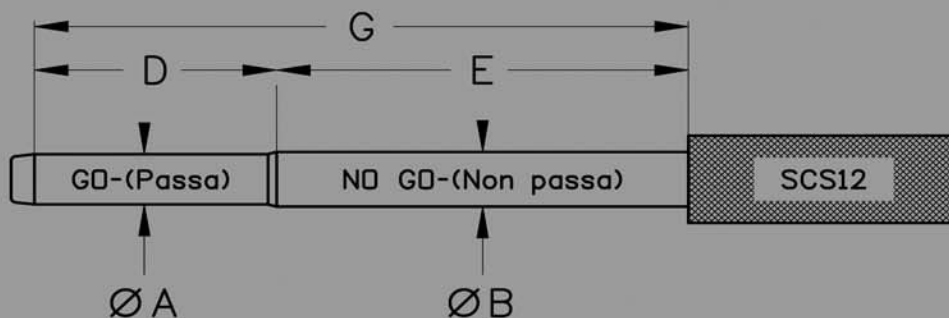


Figure 4

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	ØB	D	E	G
						+0,00/-0,05	+0,00/-0,05			
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

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)

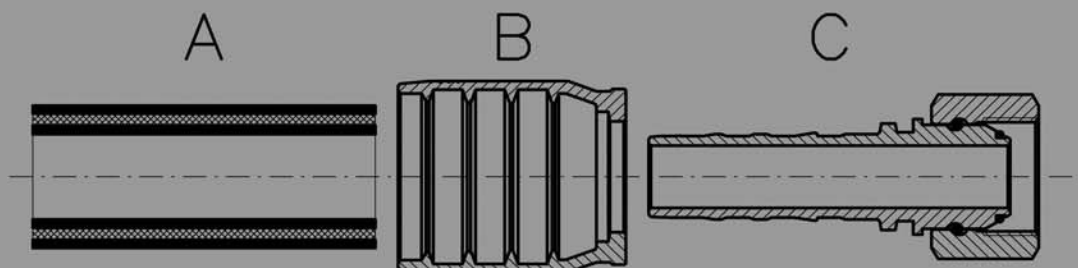


Figure 1

PROCEDURA DI ASSEMBLAGGIO TUBI FLESSIBILI
- METODO DI CONTROLLO DEL COLLASSO FORO -

- 1- Selezionare il tubo flex. (A), le boccole (B) e gli inserti (C) elencati nell'ultima edizione del catalogo TIEFFE. (vedi Figura 1)

Figura 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.

- 2- Tagliare il tubo flex. alla lunghezza richiesta, usando una lama rotante di acciaio (non abrasiva).
- 3- **Se è richiesta la spellatura esterna**, asportare più gomma della copertura possibile, fino alla "lunghezza di spellatura" specificata nella tabella DATI ASSEMBLAGGIO evitando di danneggiare i fili di acciaio del rinforzo.
- 4- Poizionare la boccola sul tubo flex.
Inserire l'inserto nel tubo flex.
Selezionare la "SPINA di CONTROLLO COLLASSO" per misura e SERIE dei raccordi TIEFFE.
Inserire la SPINA nel foro dell'inserto.
La parte "Non Passa" deve entrare completamente nel foro dell'inserto. (Vedi Figura 2).
Rimuovere la SPINA.

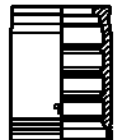
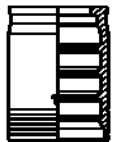


Figure 2

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 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- Pressare la boccola al diametro di pressatura specificato nella tabella DATI ASSEMBLAGGIO.
- 6- Controllare il diametro di pressatura misurandolo su ogni coppia di morsetti. Le misure vanno prese al centro della lunghezza della boccola.
Tutte le misure prese devono essere in accordo con il diametro di pressatura specificato (+0,0/-0,2 mm.).
- 7- Inserire la "SPINA di CONTROLLO COLLASSO".

BSN4			NON SKIVE SWAGED FERRULE CASQUILLO PRENSAR NO PELAR											
	TIEFFE Part. N.		Hose I.D. Ø Interno tubo			Applications /Aplicaciones						Price each Precio un.		
			DN	SIZE	Inch							Euros		
	RACA3N412		19	12	3/4"	4SP	4SH	R9R	R12	R13	R15	8,310		
	RACA3N416		25	16	1"	4SP	4SH	R9R	R12	R13	R15	11,378		
	RACA3N420		31	20	1 1/4"		4SH	R9R	R12			20,301		
	RACA3N424		38	24	1 1/2"		4SH	R9R	R12			33,831		
	RACA3N432		51	32	2"		4SH	R9R	R12			54,142		
BSS4			OUTSIDE SKIVE SWAGED FERRULE CASQUILLO PRENSAR PELAR											
	TIEFFE Part. N.		Hose I.D. Ø Interno tubo			Applications /Aplicaciones						Price each Precio un.		
			DN	SIZE	Inch							Euros		
	RACA3S412		19	12	3/4"	4SP	4SH	R9R	R12	R13	R15	6,063		
	RACA3S416		25	16	1"	4SP	4SH	R9R	R12	R13	R15	8,788		
	RACA3S420		31	20	1 1/4"		4SH	R9R	R12			16,973		
	RACA3S424		38	24	1 1/2"		4SH	R9R	R12			26,582		
	RACA3S432		51	32	2"		4SH	R9R	R12			42,432		
BSS6			OUTSIDE SKIVE SWAGED FERRULE CASQUILLO PRENSAR PELAR											
	TIEFFE Part. N.		Hose I.D. Ø Interno tubo			Applications /Aplicaciones						Price each Precio un.		
			DN	SIZE	Inch							Euros		
	RACA3S620		31	20	1 1/4"	4SP				R13	R15	20,904		
	RACA3S624		38	24	1 1/2"	4SP				R13	R15	34,996		
	RACA3S632		51	32	2"	4SP				R13		52,104		



SPIRALLED HOSES CONNECTORS - "CS" SERIES
RACOR PARA TUBO ESPIRAL - SERIE "CS"



DKOR

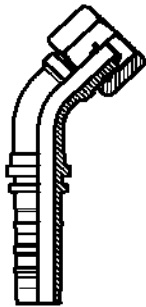
BSP STRAIGHT FEMALE - 60° O'RING CONE - TIEFFE NUT
HEMBRA GIRATORIA BSP (GAS) - CONO 60° O'RING - DADO TIEFFE



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch			bar	PSI	
RACA30111212	20	12	3/4"	3/4"-14	32	420	6000	9,7032
RACA30111612	20	12	3/4"	1"-11	41	420	6000	20,176
RACA30111616	25	16	1"	1"-11	41	420	6000	17,0872
RACA30112016	25	16	1"	1 1/4"-11	50	345	5000	31,4288
RACA30112020	32	20	1 1/4"	1 1/4"-11	50	345	5000	25,6984
RACA30112420	32	20	1 1/4"	1 1/2"-11	60	345	5000	94,2968
RACA30112424	40	24	1 1/2"	1 1/2"-11	60	345	5000	39,5512
RACA30113232	50	32	2"	2"-11	75	345	5000	75,4416

DKOR45

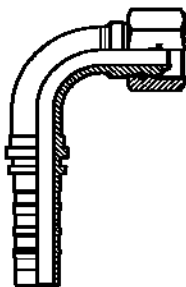
45° BSP SWEPT ELBOW - 60° O'RING CONE - TIEFFE NUT
CURVA 45° BSP (GAS) - CONO 60° O'RING - DADO TIEFFE



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch			bar	PSI	
RACA30161212	20	12	3/4"	3/4"-14	32	420	6000	20,1136
RACA30161612	20	12	3/4"	1"-11	41	420	6000	66,0088
RACA30161616	25	16	1"	1"-11	41	420	6000	32,0632
RACA30162016	25	16	1"	1 1/4"-11	50	345	5000	81,7232
RACA30162020	32	20	1 1/4"	1 1/4"-11	50	345	5000	50,2944
RACA30162420	32	20	1 1/4"	1 1/2"-11	60	345	5000	125,736
RACA30162424	40	24	1 1/2"	1 1/2"-11	60	345	5000	72,9248
RACA30163232	50	32	2"	2"-11	75	345	5000	

DKOR90

90° BSP SWEPT ELBOW - 60° O'RING CONE - TIEFFE NUT
CURVA 90° BSP (GAS) - CONO 60° O'RING - DADO TIEFFE



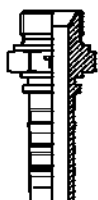
TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch			bar	PSI	
RACA30151212	20	12	3/4"	3/4"-14	32	420	6000	18,1896
RACA30151612	20	12	3/4"	1"-11	41	420	6000	48,4952
RACA30151616	25	16	1"	1"-11	41	420	6000	29,0992
RACA30152016	25	16	1"	1 1/4"-11	50	345	5000	76,3776
RACA30152020	32	20	1 1/4"	1 1/4"-11	50	345	5000	44,252
RACA30152420	32	20	1 1/4"	1 1/2"-11	60	345	5000	133,3696
RACA30152424	40	24	1 1/2"	1 1/2"-11	60	345	5000	72,748
RACA30153232	50	32	2"	2"-11	75	345	5000	130,3328



SPIRALLED HOSES CONNECTORS - "CS" SERIES
RACCORDI PER TUBI SPIRALATI - SERIE "CS"




SPIRALLED HOSES CONNECTORS - "CS" SERIES
RACOR PARA TUBO ESPIRAL - SERIE "CS"

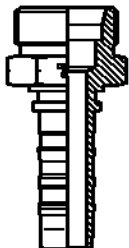
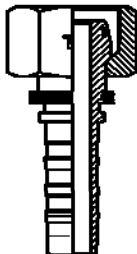
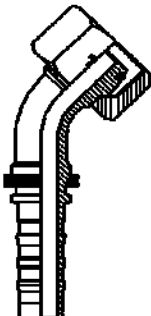
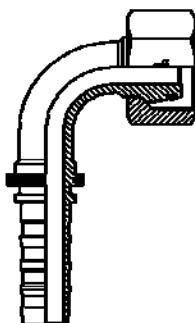
AGR
BSP PARALLEL MALE - 60° CONE SEAT
MACHO BSP (GAS) CILINDRICO - CONO 60°


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch			bar	PSI	
RACA30131212	20	12	3/4"	3/4"-14	32	420	6000	17,836
RACA30131612	20	12	3/4"	1"-11	41	420	6000	30,763
RACA30131616	25	16	1"	1"-11	41	420	6000	20,374
RACA30132016	25	16	1"	1 1/4"-11	50	345	5000	55,349
RACA30132020	32	20	1 1/4"	1 1/4"-11	50	345	5000	32,552
RACA30132024	32	20	1 1/4"	1 1/2"-11	55	345	5000	91,156
RACA30132424	40	24	1 1/2"	1 1/2"-11	55	345	5000	45,573
RACA30133232	50	32	2"	2"-11	70	345	5000	84,646

AGR-K
BSP TAPER MALE - 60° CONE SEAT
MACHO BSP (GAS) CONICO - CONO 60°


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch			bar	PSI	
RACA30171212	20	12	3/4"	3/4"-14	27	420	6000	bajo pedido
RACA30171616	25	16	1"	1"-11	36	380	5400	bajo pedido
RACA30172020	32	20	1 1/4"	1 1/4"-11	46	325	4600	bajo pedido
RACA30172424	40	24	1 1/2"	1 1/2"-11	50	290	4100	bajo pedido
RACA30173232	50	32	2"	2"-11	64	250	3600	bajo pedido


SPIRALLED HOSES CONNECTORS - "CS" SERIES
RACCORDI PER TUBI SPIRALATI - SERIE "CS"


CES		METRIC MALE - 24° CONE SEAT - HEAVY TYPE MASCHO METRICO - CONO 24° - SERIE PESADA							
	TIEFFE Part. N.	Hose I.D. Ø Interno tubo			Thread Filetto	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
		DN	SIZE	Inch			bar	PSI	Euros
	RACA30933012	19	12	3/4"	M 30x2	30	420	6000	23,8888
	RACA30933612	19	12	3/4"	M 36x2	36	420	6000	13,832
	RACA30933616	25	16	1"	M 36x2	36	380	5400	37,7208
	RACA30934216	25	16	1"	M 42x2	46	280	4000	22,0064
	RACA30934220	31	20	1 1/4"	M 42x2	46	250	3500	50,2944
	RACA30935220	31	20	1 1/4"	M 52x2	46	250	3500	37,7208
	RACA30935224	38	24	1 1/2"	M 52x2	55	250	3500	62,868
DKOS		55							
	TIEFFE Part. N.	Hose I.D. Ø Interno tubo			Thread Filetto	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
		DN	SIZE	Inch			bar	PSI	Euros
	RACA30913012	19	12	3/4"	M 30x2	36	420	6000	13,1352
	RACA30913612	19	12	3/4"	M 36x2	46	420	6000	15,912
	RACA30913616	25	16	1"	M 36x2	46	380	5400	29,8584
	RACA30914216	25	16	1"	M 42x2	50	280	4000	19,1152
	RACA30914220	31	20	1 1/4"	M 42x2	50	250	3500	62,712
	RACA30915220	31	20	1 1/4"	M 52x2	60	250	3500	30,4616
	RACA30915224	38	24	1 1/2"	M 52x2	60	250	3500	91,156
DKOS45		45° METRIC SWEPT ELBOW - 24° CONE - HEAVY TYPE CURVA 45° METRICA - CONO 24° O'RING - SERIE PESADA							
	TIEFFE Part. N.	Hose I.D. Ø Interno tubo			Thread Filetto	Box Q.ty Q.tà Conf.	Max. W.P. P.T. máx.		Price each Precio un.
		DN	SIZE	Inch			bar	PSI	Euros
	RACA30963012	19	12	3/4"	M 30x2	36	420	6000	31,4288
	RACA30963612	19	12	3/4"	M 36x2	46	420	6000	34,58
	RACA30963616	25	16	1"	M 36x2	46	380	5400	53,4352
	RACA30964216	25	16	1"	M 42x2	50	280	4000	40,8616
	RACA30964220	31	20	1 1/4"	M 42x2	50	250	3500	106,8704
	RACA30965220	31	20	1 1/4"	M 52x2	60	250	3500	58,1464
	RACA30965224	38	24	1 1/2"	M 52x2	60	250	3500	150,8728
DKOS90		90° METRIC SWEPT ELBOW - 24° CONE - HEAVY TYPE CURVA 90° METRICA - CONO 24° O'RING - SERIE PESADA							
	TIEFFE Part. N.	Hose I.D. Ø Interno tubo			Thread Filetto	Box Q.ty Q.tà Conf.	Box Size Tipo Conf.	Group Gruppo	Price each Precio un.
		DN	SIZE	Inch				NR.	ABC
	RACA30953012	19	12	3/4"	M 30x2	36	420	6000	31,4288
	RACA30953612	19	12	3/4"	M 36x2	46	420	6000	31,4288
	RACA30953616	25	16	1"	M 36x2	46	380	5400	49,66
	RACA30954216	25	16	1"	M 42x2	50	280	4000	34,5696
	RACA30954220	31	20	1 1/4"	M 42x2	50	250	3500	94,2968
	RACA30955220	31	20	1 1/4"	M 52x2	60	250	3500	52,8112
	RACA30955224	38	24	1 1/2"	M 52x2	60	250	3500	150,8832

**SPIRALLED HOSES CONNECTORS - "CS" SERIES**

RACCORDI PER TUBI SPIRALATI - SERIE "CS"

**AGN****N.P.T.F. MALE - 60° CONE SEAT**

MASCHIO N.P.T.F. - SVASATO 60°



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch			bar	PSI	Euros
RACA30231212	20	12	3/4"	3/4"-14	27	420	6000	bajo pedido
RACA30231612	20	12	3/4"	1"-11,5	36	380	5400	bajo pedido
RACA30231616	20	12	3/4"	1"-11,5	36	380	5400	bajo pedido
RACA30232016	20	12	3/4"	1 1/4"-11,5	46	325	4600	bajo pedido
RACA30232020	32	20	1 1/4"	1"-11,5	41	380	5400	bajo pedido
RACA30232424	32	20	1 1/4"	1 1/4"-11,5	46	325	4600	bajo pedido
RACA30233232	32	20	1 1/4"	1 1/2"-11,5	50	290	4100	bajo pedido

AGJ**J.I.C. MALE - 74° CONE**

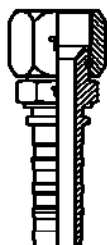
MASCHIO J.I.C. - CONO 74°



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch			bar	PSI	Euros
RACA30431012	20	12	3/4"	7/8"-14	27	420	6000	
RACA30431212	20	12	3/4"	1 1/16"-12	27	420	6000	12,574
RACA30431412	20	12	3/4"	1 3/16"-12	32	420	6000	
RACA30431612	20	12	3/4"	1 5/16"-12	36	380	5400	32,687
RACA30431216	25	16	1"	1 1/16"-12	32	420	6000	
RACA30431616	25	16	1"	1 5/16"-12	36	380	5400	17,919
RACA30432016	25	16	1"	1 5/8"-12	46	325	4600	56,846
RACA30431620	32	20	1 1/4"	1 5/16"-12	41	380	5400	
RACA30432020	32	20	1 1/4"	1 5/8"-12	46	325	4600	37,721
RACA30432420	32	20	1 1/4"	1 7/8"-12	50	290	4100	
RACA30432424	38	24	1 1/2"	1 7/8"-12	50	290	4100	
RACA30433224	38	24	1 1/2"	2 1/2"-12	65	250	3600	
RACA30433232	51	32	2"	2 1/2"-12	65	250	3600	

DKJ**J.I.C. FEMALE - 74° CONE SEAT - DOUBLE EXAGON - TIEFFE NUT**

FEMMINA J.I.C. - SVASATA 74° - DOPPIO ESAGONO - DADO TIEFFE



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch			bar	PSI	Euros
RACA30411012	20	12	3/4"	7/8"-14	27	420	6000	
RACA30411212	20	12	3/4"	1 1/16"-12	32	420	6000	10,691
RACA30411412	20	12	3/4"	1 3/16"-12	36	420	6000	
RACA30411612	20	12	3/4"	1 5/16"-12	41	380	5400	23,296
RACA30411616	25	16	1"	1 1/16"-12	32	420	6000	16,973
RACA30412016	25	16	1"	1 5/8"-12	50	325	4600	53,435
RACA30411620	32	20	1 1/4"	1 5/16"-12	41	380	5400	
RACA30412020	32	20	1 1/4"	1 5/8"-12	50	325	4600	27,030
RACA30412420	32	20	1 1/4"	1 7/8"-12	60	290	4100	72,301
RACA30412424	38	24	1 1/2"	1 7/8"-12	60	290	4100	47,154
RACA30413224	38	24	1 1/2"	2 1/2"-12	75	250	3600	
RACA30413232	51	32	2"	2 1/2"-12	75	250	3600	81,723

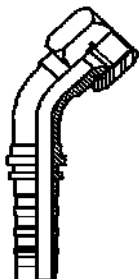
**SPIRALLED HOSES CONNECTORS - "CS" SERIES**

RACCORDI PER TUBI SPIRALATI - SERIE "CS"

DKJ45

J.I.C. 45° SWEPT ELBOW - 74° CONE SEAT - TIEFFE NUT

CURVA J.I.C. 45° - CONO 74° - DADO TIEFFE

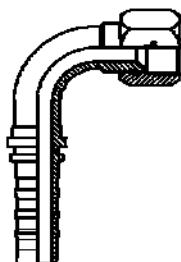


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un. Euros
	DN	Size	Inch			bar	PSI	
RACA30461012	20	12	3/4"	7/8"-14	27	420	6000	
RACA30461212	20	12	3/4"	1 1/16"-12	32	420	6000	25,147
RACA30461412	20	12	3/4"	1 3/16"-12	36	420	6000	
RACA30461612	20	12	3/4"	1 5/16"-12	41	380	5400	50,294
RACA30461216	25	16	1"	1 1/16"-12	32	420	6000	
RACA30461616	25	16	1"	1 5/16"-12	41	380	5400	37,409
RACA30462016	25	16	1"	1 5/8"-12	50	325	4600	81,723
RACA30461620	32	20	1 1/4"	1 5/16"-12	41	380	5400	
RACA30462020	32	20	1 1/4"	1 5/8"-12	50	325	4600	54,881
RACA30462420	32	20	1 1/4"	1 7/8"-12	60	290	4100	
RACA30462424	38	24	1 1/2"	1 7/8"-12	60	290	4100	89,274
RACA30463224	38	24	1 1/2"	2 1/2"-12	75	250	3600	
RACA30463232	51	32	2"	2 1/2"-12	75	250	3600	176,6544

DKJ90

J.I.C. 90° SWEPT ELBOW - 74° CONE SEAT - TIEFFE NUT

CURVA J.I.C. 90° - CONO 74° - DADO TIEFFE



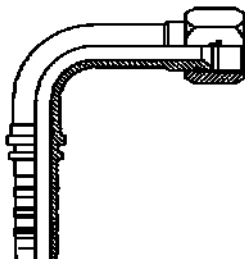
TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un. Euros
	DN	Size	Inch			bar	PSI	
RACA30451012	20	12	3/4"	7/8"-14	27	420	6000	
RACA30451212	20	12	3/4"	1 1/16"-12	32	420	6000	18,855
RACA30451412	20	12	3/4"	1 3/16"-12	36	420	6000	
RACA30451612	20	12	3/4"	1 5/16"-12	41	380	5400	47,154
RACA30451216	25	16	1"	1 1/16"-12	32	420	6000	
RACA30451616	25	16	1"	1 5/16"-12	41	380	5400	31,429
RACA30452016	25	16	1"	1 5/8"-12	50	325	4600	69,150
RACA30451620	32	20	1 1/4"	1 5/16"-12	41	380	5400	
RACA30452020	32	20	1 1/4"	1 5/8"-12	50	325	4600	50,294
RACA30452420	32	20	1 1/4"	1 7/8"-12	60	290	4100	207,459
RACA30452424	38	24	1 1/2"	1 7/8"-12	60	290	4100	207,459
RACA30453224	38	24	1 1/2"	2 1/2"-12	75	250	3600	
RACA30453232	51	32	2"	2 1/2"-12	75	250	3600	

DKJ90

LONG DROP

J.I.C. 90° LONG DROP SWEPT ELBOW - 74° CONE SEAT - TIEFFE NUT

CURVA J.I.C. 90° - CURVA LARGA - CONO 74° - DADO TIEFFE



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. P.T. máx.		Price each Precio un. Euros
	DN	Size	Inch			bar	PSI	
RACA30451212	20	12	3/4"	1 1/16"-12	32	420	6000	bajo pedido
RACA30451612	25	16	1"	1 5/16"-12	41	380	5400	bajo pedido
RACA30452016	25	16	1"	1 5/8"-12	50	325	4600	bajo pedido
RACA30452020	32	20	1 1/4"	1 5/8"-12	50	325	4600	bajo pedido
RACA30452424	38	24	1 1/2"	1 7/8"-12	60	290	4100	bajo pedido
RACA30453232	51	32	2"	2 1/2"-12	75	250	3500	bajo pedido

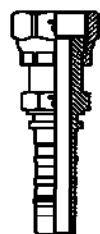
ORFS



ORFS MALE
MASCHO ORFS

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. máx.		P.T.	Price each Precio un.
	DN	Size	Inch			bar	PSI	Euros	
RACA31131212	20	12	3/4"	1 3/16"-12	32	420	6000		bajo pedido
RACA31131616	25	16	1"	7/16"-12	41	420	6000		bajo pedido
RACA31132020	32	20	1 1/4"	1 11/16"-12	46	350	5000		bajo pedido
RACA31132424	40	24	1 1/2"	2"-12	55	290	4200		bajo pedido

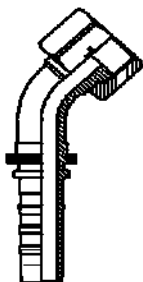
ORFS



DOUBLE EXAGON ORFS STRAIGHT FEMALE - PRESSED NUT
HEMBRA ORFS - DOBLE EXAGONO - DADO PRENSADO

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. máx.		P.T.	Price each Precio un.
	DN	Size	Inch			bar	PSI	Euros	
RACA31111012	20	12	3/4"	1"-14	30	420	6000		
RACA31111212	20	12	3/4"	1 3/16"-12	36	420	6000		15,496
RACA31111612	20	12	3/4"	1 7/16"-12	41	420	6000		
RACA31111616	25	16	1"	1 7/16"-12	41	420	6000		28,288
RACA31112016	25	16	1"	1 11/16"-12	50	350	5000		
RACA31112020	32	20	1 1/4"	1 11/16"-12	50	350	5000		35,204
RACA31112424	40	24	1 1/2"	2"-12	60	290	4200		

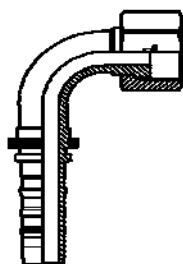
ORFS



45° ORFS SWEPT ELBOW - SLIP ON NUT
CURVA 45° ORFS - DADO LIBERO

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. máx.		P.T.	Price each Precio un.
	DN	Size	Inch			bar	PSI	Euros	
RACA31161212	20	12	3/4"	1 3/16"-12	36	420	6000		27,092
RACA31161612	20	12	3/4"	1 7/16"-12	41	420	6000		
RACA31161616	25	16	1"	1 7/16"-12	41	420	6000		40,862
RACA31162016	25	16	1"	1 11/16"-12	50	350	5000		
RACA31162020	32	20	1 1/4"	1 11/16"-12	50	350	5000		58,219
RACA31162424	40	24	1 1/2"	2"-12	60	290	4200		

ORFS



90° ORFS SWEPT ELBOW - SLIP ON NUT
CURVA 90° ORFS - DADO LIBERO

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Thread Filettatura	Hexagonal	Max. W.P. máx.		P.T.	Price each Precio un.
	DN	Size	Inch			bar	PSI	Euros	
RACA31151212	20	12	3/4"	1 3/16"-12	36	420	6000		28,600
RACA31151612	20	12	3/4"	1 7/16"-12	41	420	6000		
RACA31151616	25	16	1"	1 7/16"-12	41	420	6000		40,862
RACA31152016	25	16	1"	1 11/16"-12	50	350	5000		
RACA31152020	32	20	1 1/4"	1 11/16"-12	50	350	5000		59,727
RACA31152424	40	24	1 1/2"	2"-12	60	290	4200		106,870



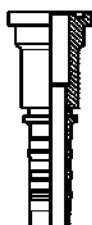
SPIRALLED HOSES CONNECTORS - "CS" SERIES
RACOR PARA TUBO ESPIRAL - SERIE "CS"



SFL

STRAIGHT FLANGE - ISO 12151/3 "L" SERIES - SAE J516 CODE 61

BRIDA RECTA S3000 - ISO 12151/3 SERIE "L" - SAE J516 CODICE 61

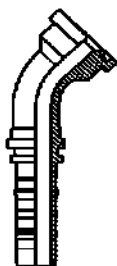


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Flange Brida	Max. W.P. P.T.máx.		Price each Precio un.
	DN	Size	Inch	Size	Inch		bar	PSI	euros
RACA31341212	20	12	3/4"	12	3/4"	38,1	350	5000	15,548
RACA31341612	20	12	3/4"	16	1"	44,5	350	5000	23,889
RACA31341216	25	16	1"	12	3/4"	38,1	350	5000	62,868
RACA31341616	25	16	1"	16	1"	44,5	350	5000	20,904
RACA31342016	25	16	1"	20	1 1/4"	50,8	280	4000	32,126
RACA31341620	32	20	1 1/4"	16	1"	44,5	350	5000	
RACA31342020	32	20	1 1/4"	20	1 1/4"	50,8	280	4000	29,858
RACA31342420	32	20	1 1/4"	24	1 1/2"	60,4	210	3000	53,747
RACA31342424	38	24	1 1/2"	24	1 1/2"	60,4	210	3000	41,808
RACA31343224	38	24	1 1/2"	32	2"	71,4	210	3000	74,651
RACA31343232	51	32	2"	32	2"	71,4	210	3000	68,505
RACA31344032	51	32	2"	40	2 1/2"	84,1	175	2500	

SFL45

45° FLANGE - ISO 12151/3 "L" SERIES - SAE J516 CODE 61

BRIDA 45° S3000 - ISO 12151/3 SERIE "L" - SAE J516 CODICE 61

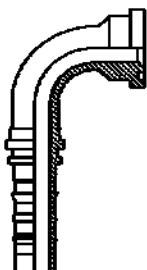


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Flange Brida	Max. W.P. P.T.máx.		Price each Precio un.
	DN	Size	Inch	Size	Inch		bar	PSI	euros
RACA31361212	20	12	3/4"	12	3/4"	38,1	350	5000	26,874
RACA31361612	20	12	3/4"	16	1"	44,5	350	5000	32,843
RACA31361216	25	16	1"	12	3/4"	38,1	350	5000	56,576
RACA31361616	25	16	1"	16	1"	44,5	350	5000	32,843
RACA31362016	25	16	1"	20	1 1/4"	50,8	280	4000	49,660
RACA31361620	32	20	1 1/4"	16	1"	44,5	350	5000	
RACA31362020	32	20	1 1/4"	20	1 1/4"	50,8	280	4000	50,762
RACA31362420	32	20	1 1/4"	24	1 1/2"	60,4	210	3000	72,301
RACA31362424	38	24	1 1/2"	24	1 1/2"	60,4	210	3000	75,442
RACA31363224	38	24	1 1/2"	32	2"	71,4	210	3000	125,736
RACA31363232	51	32	2"	32	2"	71,4	210	3000	127,182
RACA31364032	51	32	2"	40	2 1/2"	84,1	175	2500	

SFL90

90° FLANGE - ISO 12151/3 "L" SERIES - SAE J516 CODE 61

BRIDA 90° S3000 - ISO 12151/3 SERIE "L" - SAE J516 CODICE 61



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Flange Brida	Max. W.P. P.T.máx.		Price each Precio un.
	DN	Size	Inch	Size	Inch		bar	PSI	euros
RACA31351212	20	12	3/4"	12	3/4"	38,1	350	5000	25,085
RACA31351612	20	12	3/4"	16	1"	44,5	350	5000	35,838
RACA31351216	25	16	1"	12	3/4"	38,1	350	5000	69,150
RACA31351616	25	16	1"	16	1"	44,5	350	5000	32,843
RACA31352016	25	16	1"	20	1 1/4"	50,8	280	4000	51,958
RACA31351620	32	20	1 1/4"	16	1"	44,5	350	5000	
RACA31352020	32	20	1 1/4"	20	1 1/4"	50,8	280	4000	46,582
RACA31352420	32	20	1 1/4"	24	1 1/2"	60,4	210	3000	69,150
RACA31352424	38	24	1 1/2"	24	1 1/2"	60,4	210	3000	75,442
RACA31353224	38	24	1 1/2"	32	2"	71,4	210	3000	125,736
RACA31353232	51	32	2"	32	2"	71,4	210	3000	125,736
RACA31354032	51	32	2"	40	2 1/2"	84,1	175	2500	



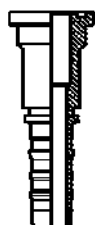
SPIRALLED HOSES CONNECTORS - "CS" SERIES
RACCORDI PER TUBI SPIRALATI - SERIE "CS"



SFS

STRAIGHT FLANGE - ISO 12151/3 "S" SERIES - SAE J516 CODE 62

BRIDA RECTA S6000 - ISO 12151/3 SERIE "S" - SAE J516 CODICE 62

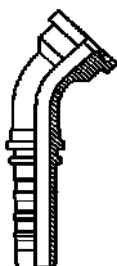


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Flange Brida	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch	Size	Inch		bar	PSI	
RACA31441212	20	12	3/4"	12	3/4"	41,3	420	6000	18,637
RACA31441612	20	12	3/4"	16	1"	47,6	420	6000	29,120
RACA31441216	25	16	1"	12	3/4"	41,3	420	6000	39,062
RACA31441616	25	16	1"	16	1"	47,6	420	6000	21,882
RACA31442016	25	16	1"	20	1 1/4"	54	420	6000	38,178
RACA31442020	32	20	1 1/4"	20	1 1/4"	54	420	6000	29,193
RACA31442420	32	20	1 1/4"	24	1 1/2"	63,5	420	6000	63,648
RACA31442424	38	24	1 1/2"	24	1 1/2"	63,5	420	6000	47,778
RACA31443224	38	24	1 1/2"	32	2"	79,4	420	6000	112,518
RACA31443232	51	32	2"	32	2"	79,4	350	5000	109,595

SFS45

45° FLANGE - ISO 12151/3 "S" SERIES - SAE J516 CODE 62

BRIDA 45° S6000 - ISO 12151/3 SERIE "S" - SAE J516 CODICE 62

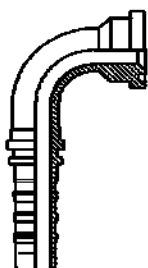


TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Flange Brida	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch	Size	Inch		bar	PSI	
RACA31461212	20	12	3/4"	12	3/4"	41,3	420	6000	33,457
RACA31461612	20	12	3/4"	16	1"	47,6	420	6000	36,868
RACA31461216	25	16	1"	12	3/4"	41,3	420	6000	61,963
RACA31461616	25	16	1"	16	1"	47,6	420	6000	37,180
RACA31462016	25	16	1"	20	1 1/4"	54	420	6000	52,707
RACA31462020	32	20	1 1/4"	20	1 1/4"	54	420	6000	58,250
RACA31462420	32	20	1 1/4"	24	1 1/2"	63,5	420	6000	86,445
RACA31462424	38	24	1 1/2"	24	1 1/2"	63,5	420	6000	86,757
RACA31463224	38	24	1 1/2"	32	2"	79,4	420	6000	161,117
RACA31463232	51	32	2"	32	2"	79,4	350	5000	173,514

SFS90

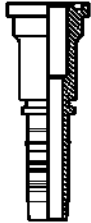
90° FLANGE - ISO 12151/3 "S" SERIES - SAE J516 CODE 62

BRIDA 90° S6000 - ISO 12151/3 SERIE "S" - SAE J516 CODICE 62



TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Flange Brida	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch	Size	Inch		bar	PSI	
RACA31451212	20	12	3/4"	12	3/4"	41,3	420	6000	33,270
RACA31451612	20	12	3/4"	16	1"	47,6	420	6000	35,027
RACA31451216	25	16	1"	12	3/4"	41,3	420	6000	58,375
RACA31451616	25	16	1"	16	1"	47,6	420	6000	30,867
RACA31452016	25	16	1"	20	1 1/4"	54	420	6000	50,492
RACA31452020	32	20	1 1/4"	20	1 1/4"	54	420	6000	49,483
RACA31452420	32	20	1 1/4"	24	1 1/2"	63,5	420	6000	84,646
RACA31452424	38	24	1 1/2"	24	1 1/2"	63,5	420	6000	77,636
RACA31453224	38	24	1 1/2"	32	2"	79,4	420	6000	175,126
RACA31453232	51	32	2"	32	2"	79,4	350	5000	151,778

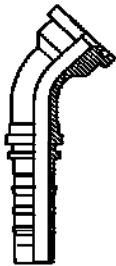
SFS
(SUPERCAT)



"SUPERCAT" FLANGE - STRAIGHT
BRIDA S9000 "SUPERCAT" - RECTA

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Flange Brida	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch	Size	Inch		bar	PSI	Euros
RACA31641212	20	12	3/4"	12	3/4"	41,3	420	6000	
RACA31641612	20	12	3/4"	16	1"	47,6	420	6000	
RACA31641616	25	16	1"	16	1"	47,6	420	6000	35,516
RACA31642016	25	16	1"	20	1 1/4"	54	420	6000	48,724
RACA31642020	32	20	1 1/4"	20	1 1/4"	54	420	6000	86,122
RACA31642420	32	20	1 1/4"	24	1 1/2"	63,5	420	6000	
RACA31642424	38	24	1 1/2"	24	1 1/2"	63,5	420	6000	
RACA31643224	38	24	1 1/2"	32	2"	79,4	420	6000	
RACA31643232	51	32	2"	32	2"	79,4	350	6000	150,883

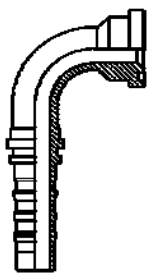
SFS45
(SUPERCAT)



"SUPERCAT" FLANGE - 45° ELBOW
BRIDA S9000 "SUPERCAT" - CURVA 45°

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Flange Brida	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch	Size	Inch		bar	PSI	Euros
RACA31661212	20	12	3/4"	12	3/4"	41,3	420	6000	
RACA31661612	20	12	3/4"	16	1"	47,6	420	6000	
RACA31661616	25	16	1"	16	1"	47,6	420	6000	43,659
RACA31662016	25	16	1"	20	1 1/4"	54	420	6000	
RACA31662020	32	20	1 1/4"	20	1 1/4"	54	420	6000	59,540
RACA31662420	32	20	1 1/4"	24	1 1/2"	63,5	420	6000	
RACA31662424	38	24	1 1/2"	24	1 1/2"	63,5	420	6000	86,122
RACA31663224	38	24	1 1/2"	32	2"	79,4	420	6000	
RACA31663232	51	32	2"	32	2"	79,4	350	5000	

SFS90
(SUPERCAT)



"SUPERCAT" FLANGE - 90° ELBOW
BRIDA S9000 "SUPERCAT" - CURVA 90°

TIEFFE Part.N.	Hose I.D. Ø interno tubo			Flange Flangia		Flange Brida	Max. W.P. P.T. máx.		Price each Precio un.
	DN	Size	Inch	Size	Inch		bar	PSI	Euros
RACA31651212	20	12	3/4"	12	3/4"	41,3	420	6000	
RACA31651612	20	12	3/4"	16	1"	47,6	420	6000	
RACA31651616	25	16	1"	16	1"	47,6	420	6000	47,778
RACA31652016	25	16	1"	20	1 1/4"	54	420	6000	
RACA31652020	32	20	1 1/4"	20	1 1/4"	54	420	6000	69,150
RACA31652420	32	20	1 1/4"	24	1 1/2"	63,5	420	6000	
RACA31652424	38	24	1 1/2"	24	1 1/2"	63,5	420	6000	96,377
RACA31653224	38	24	1 1/2"	32	2"	79,4	420	6000	
RACA31653232	51	32	2"	32	2"	79,4	350	5000	194,886

D'RING SEAL FOR "SUPERCAT" FLANGES



TIEFFE Part.N.				Flange		Box Q.ty	Box size	Group	Price each
				Size	Inch	Nr	Tipo confex	ABC	€
DR12				12	3/4"				
DR16				16	1"				
DR20				20	1 1/4"				
DR24				24	1 1/2"				
DR32				32	2"				

[illegible]