



CATÁLOGO DE PRODUTOS

USIENGATE.COM.BR

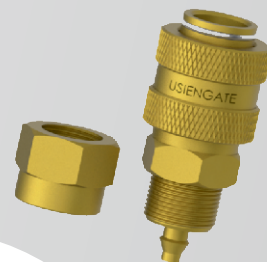
engates rápidos

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referências



A USIENGATE dedica-se a atender com qualidade e inovação a indústria de injeção de plásticos, usinando peças com perfeição e buscando soluções criativas para fabricação de engates rápidos, componentes e acessórios de refrigeração de moldes para termoplásticos.



LEGENDAS PARA TERMINAIS

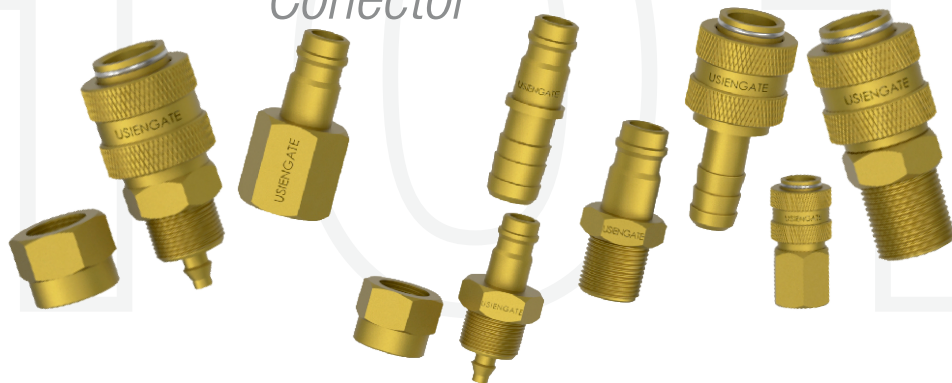
REF	DESCRIÇÃO
1	MANGUEIRA 1/8
2	MANGUEIRA 1/4
3	MANGUEIRA 5/16
4	MANGUEIRA 3/8
5	MANGUEIRA 1/2
6	MANGUEIRA 9/16
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12	MANGUEIRA PU6
13	MANGUEIRA PU8
14	MANGUEIRA PU10
15	ROSCA MACHO 1/8
16	ROSCA MACHO 1/4
17	ROSCA MACHO 3/8
18	ROSCA MACHO 1/2
19	ROSCA MACHO 3/4
20	ROSCA MACHO 1
21	ROSCA MACHO 1.1/2
22	ROSCA MACHO 2
23	ROSCA FÊMEA 1/8
24	ROSCA FÊMEA 1/4
25	ROSCA FÊMEA 3/8
26	ROSCA FÊMEA 1/2
27	ROSCA FÊMEA 3/4
28	ROSCA FÊMEA 1
29	ROSCA FÊMEA 1.1/2
30	ROSCA FÊMEA 2

LEGENDAS PARA CÓDIGOS

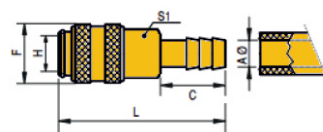
REF	DESCRIÇÃO
SÉRIE	MODELO
P	PLUG
S	S/ VÁLVULA
V	VALVULADO
C	CONECTOR
R	ROSCA
NPT	ROSCA CÔNICA
BSP	ROSCA PARALELA

LINHA 101

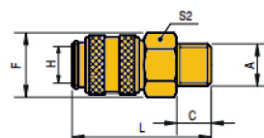
Conector



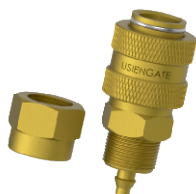
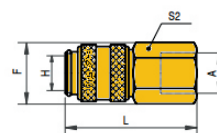
CONECTOR RETO MANGUEIRA							
CÓDIGO		A	H	C	F	L	S1
Sem válvula	Valvulado	NPT ou BSP					
CS101-2	CV101-2	1/4	8,8	22,0	17,7	48,0	9/16
CS101-3	CV101-3	5/16	8,8	22,0	17,7	48,0	9/16
CS101-4	CV101-4	3/8	8,8	22,0	17,7	48,0	9/16



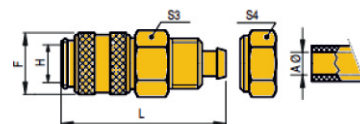
CONECTOR RETO ROSCA MACHO							
CÓDIGO		A	H	C	F	L	S2
Sem válvula	Valvulado	NPT ou BSP					
CS101-15	CV101-15	1/8	8,8	9,0	17,7	38,0	9/16
CV101-16	CV101-16	1/4	8,8	13,0	17,7	42,0	9/16



CONECTOR RETO ROSCA FÊMEA							
CÓDIGO		A	H	F	L	S2	
Sem válvula	Valvulado	NPT ou BSP					
CS101-23	CV101-23	1/8	8,8	17,7	42,0	9/16	
CS101-24	CV101-24	1/4	8,8	17,7	46,0	5/8	



CONECTOR RETO MANGUEIRA PU COM PORCA							
CÓDIGO		A	H	F	L	S3	S4
Sem válvula	Valvulado						
CS101-12	CV101-12	4	8,8	17,7	45,0	9/16	9/16
CS101-13	CS101-13	6	8,8	17,7	45,0	9/16	9/16
CS101-14	CS101-14	8	8,8	17,7	45,0	9/16	9/16

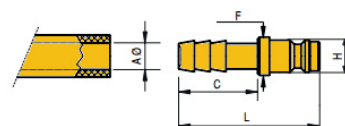


LINHA101

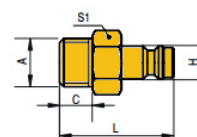
Plugues



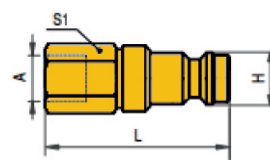
PLUG MANGUEIRA						
CÓDIGO		A	H	C	F	L
Sem válvula	Valvulado					
PS101-1	PV101-1	1/8	8,8	22	7/16	34
PS101-2	PV101-2	1/4	8,8	22	7/16	34
PS101-4	PV101-4	3/8	8,8	22	7/16	34



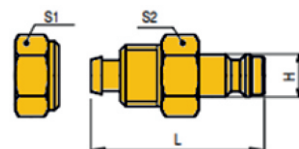
PLUG RETO ROSCA MACHO						
CÓDIGO		A NPT ou BSP	H	C	L	S1
Sem válvula	Valvulado					
PS101-15	PV101-15	1/8	8,8	9,0	29,0	1/2
PS101-16	PV101-16	1/4	8,8	13,0	33,0	9/16



PLUG RETO ROSCA FÊMEA					
CÓDIGO		A NPT ou BSP	H	L	S1
Sem válvula	Valvulado				
PS101-23	PV101-23	1/8	8,8	29,0	1/2
PS101-24	PV101-24	1/4	8,8	33,5	5/8



PLUG RETO MANGUEIRA PU COM PORCA						
CÓDIGO		A	H	L	S1	S2
Sem válvula	Valvulado					
PS101-12	PV101-12	4	8,8	32,7	9/16	9/16
PS101-13	PV101-13	6	8,8	33,0	9/16	9/16
PS101-14	PV101-14	8	8,8	33,0	9/16	9/16



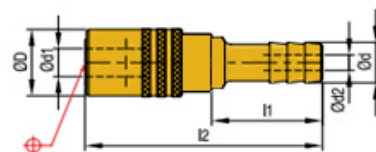
LINHA 102 & 103

Conector



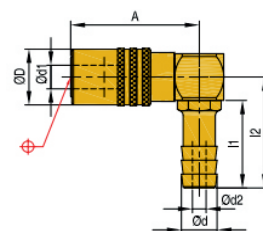
CONECTOR RETO MANGUEIRA

CÓDIGO		Ød	Ød1	Ød2	ØD	I1	I2	Série
Sem válvula	Valvulado							
CS102-2	CV102-2	1/4	9,5	4,0	17,8	22,0	50,0	102
CS102-4	CV102-4	3/8	9,5	6,0	17,8	22,0	50,0	102
CS102-5	CV102-5	1/2	9,5	8,0	17,8	22,0	50,0	102
CS103-4	CV103-4	3/8	13,6	6,0	24,0	22,0	62,0	103
CS103-5	CV103-5	1/2	13,6	8,0	24,0	22,0	62,0	103



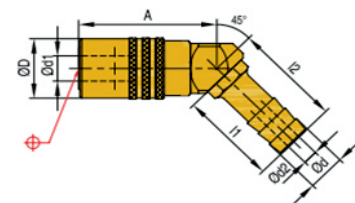
CONECTOR 90° MANGUEIRA

CÓDIGO		Ød	Ød1	Ød2	ØD	A	I1	I2	Série
Sem válvula	Valvulado								
CS102-2-90	CV102-2-90	1/4	V	4,0	17,8	40,0	22,0	32,0	102
CS102-4-90	CV102-4-90	3/8	9,5	6,0	17,8	40,0	22,0	32,0	102
CS102-5-90	CV102-5-90	1/2	9,5	8,0	17,8	40,0	22,0	32,0	102
CS103-4-90	CV103-4-90	3/8	13,6	6,0	24,0	52,0	22,0	32,0	103
CS103-5-90	CV103-5-90	1/2	13,6	8,0	24,0	52,0	22,0	32,0	103



CONECTOR 45° MANGUEIRA

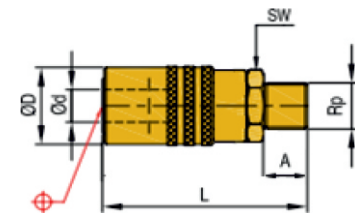
CÓDIGO		Ød	Ød1	Ød2	ØD	A	I1	I2	Série
Sem válvula	Valvulado								
CS102-2-45	CV102-2-45	1/4	9,5	4,0	17,8	40,0	22,0	28,0	102
CS102-4-45	CV102-4-45	3/8	9,5	6,0	17,8	40,0	22,0	28,0	102
CS102-5-45	CV102-5-45	1/2	9,5	8,0	17,8	40,0	22,0	28,0	102
CS103-4-45	CV103-4-45	3/8	13,6	9,0	24,0	52,0	22,0	28,0	103
CS103-5-45	CV103-5-45	1/2	13,6	9,0	24,0	52,0	22,0	28,0	103



CONECTOR RETO ROSCA MACHO

CÓDIGO		Rp NPT / BSP	Ød	ØD	L	A	SW	Série
Sem válvula	Valvulado							
CS102-15	CV102-15	1/8	9,5	17,8	41,5	9,0	7/16	102
CS102-16	CV102-16	1/4	9,5	17,8	45,5	13,0	9/16	102
CS102-17	CV102-17	3/8	9,5	17,8	45,5	13,0	11/16	102
CS103-16	CS103-16	1/4	13,6	24,0	58,0	13,0	9/16	103
CS103-17	CS103-17	3/8	13,6	24,0	58,0	13,0	11/16	103
CS103-18	CS-103-18	1/2	13,6	24,0	62,6	17,6	7/8	103

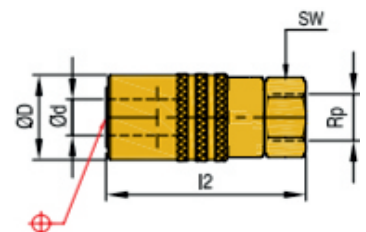
Disponíveis em 90° e 45°



CONECTOR RETO ROSCA FEMEA

CÓDIGO		Rp NPT / BSP	Ød	I2	ØD	SW	Serie
Sem válvula	Valvulado						
CS102-23	CV102-23	1/8	9,5	41,5	17,8	1/2	102
CS102-24	CV102-24	1/4	9,5	45,5	17,8	5/8	102
CS102-25	CV102-25	3/8	9,5	45,5	17,8	3/4	102
CS103-24	CS103-24	1/4	13,6	59,0	24,0	5/8	103
CS103-25	CV103-25	3/8	13,6	59,0	24,0	3/4	103
CS103-26	CS103-26	1/2	13,6	64,0	24,0	1	103

Disponíveis em 90° e 45°



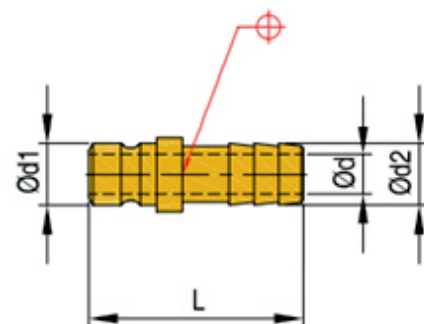
LINHA 102 & 103

Plugues



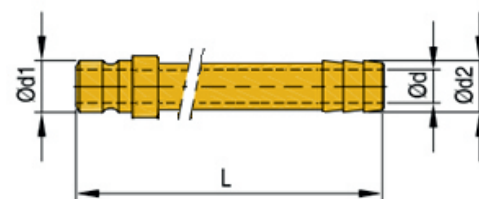
PLUG MANGUEIRA						
CÓDIGO		Ød2	Ød	Ød1	L	Série
Sem válvula	Valvulado					
PS102-2	PV102-2	1/4	4,0	9,4	34,4	102
PS102-4	PV102-4	3/8	6,0	9,4	34,4	102
PS102-5	PV102-5	1/2	8,0	9,4	34,4	102
PS103-4	PV103-4	3/8	6,0	13,5	40,1	103
PS103-5	PV103-5	1/2	9,0	13,5	40,1	103

Disponíveis em 90° e 45°



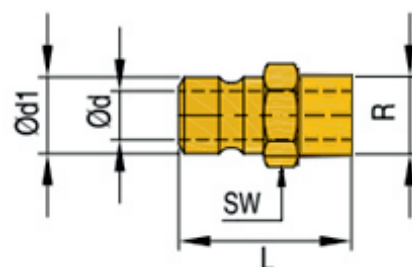
PLUG ALONGADO MANGUEIRA					
CÓDIGO	Ød2	Ød	Ød1	L	SÉRIE
PA102-2	1/4	6,0	9,4	50- 250	102
PA102-4	3/8	6,0	9,4	50- 250	102
PA102-5	1/2	6,0	9,4	50-250	102
PA103-4	3/8	6,0	13,5	50- 250	103
PA103-5	1/2	9,0	13,5	50- 250	103

* Informar comprimento total



PLUG ROSCA MACHO							
CÓDIGO		R NPT ou BSP	Ød1	Ød	L	SW	SÉRIE
Sem válvula	Valvulado						
PS102-15	PV102-15	1/8	9,4	6,0	24,4	7/16	102
PS102-16	PV102-16	1/4	9,4	6,0	29,0	9/16	102
PS102-17	PV102-17	3/8	9,4	6,0	29,0	11/16	102
PS103-16	PV103-16	1/4	13,5	9,0	36,0	9/16	103
PS103-17	PV103-17	3/8	13,5	9,0	36,0	11/16	103
PS103-18	PV103-18	1/2	13,5	9,0	39,7	7/8	103

Disponíveis em 90° e 45°



LINHA 102 & 103

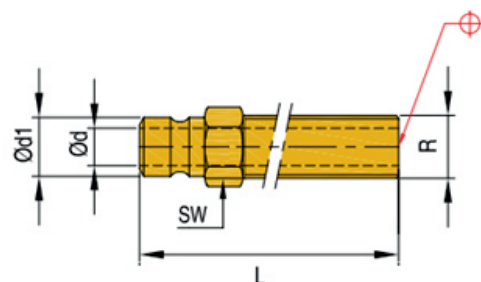
Plugues



PLUG LONGADO ROSCA MACHO

CÓDIGO	^R NPT ou BSP	Ød1	Ød	L	SW	SÉRIE
PA102-15	1/8	9,4	6,0	50- 250	7/16	102
PA102-16	1/4	9,4	6,0	50- 250	9/16	102
PA102-17	3/8	9,4	6,0	50- 250	11/16	102
PA103-16	1/4	13,5	9,0	50- 250	9/16	103
PA103-17	3/8	13,5	9,0	50- 250	11/16	103
PA103-18	1/2	13,5	9,0	50- 250	7/8	103

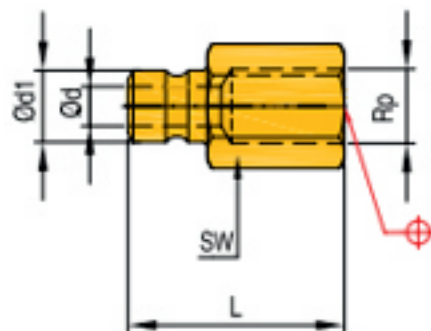
Informar comprimento total



PLUG ROSCA FÊMEA

CÓDIGO		^{Rp} NPT ou BSP	Ød1	Ød	L	SW	SÉRIE
Sem válvula	Valvulado						
PS102-23	PV102-23	1/8	9,4	6,0	24,4	1/2	102
PS102-24	PV102-24	1/4	9,4	6,0	29,0	5/8	102
PS102-25	PV102-25	3/8	9,4	6,0	29,0	3/4	102
PS103-24	PV102-24	1/4	13,5	9,0	36,0	5/8	103
PS103-25	PV103-25	3/8	13,5	9,0	36,0	3/4	103
PS103-26	PV103-26	1/2	13,5	9,0	41,0	1	103

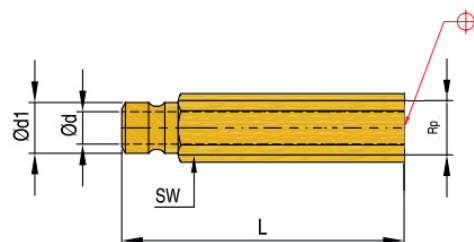
Disponíveis em 90° e 45°



PLUG LONGADO ROSCA FÊMEA

CÓDIGO	^{Rp} NPT ou BSP	Ød1	Ød	L	SW	SÉRIE
PA102-23	1/8	9,4	6,0	50- 250	1/2	102
PA102-24	1/4	9,4	6,0	50- 250	5/8	102
PA102-25	3/8	9,4	6,0	50- 250	3/4	102
PA103-24	1/4	13,5	9,0	50- 250	5/8	103
PA103-25	3/8	13,5	9,0	50- 250	3/4	103
PA103-26	1/2	13,5	9,0	50- 250	1	103

Informar o comprimento total

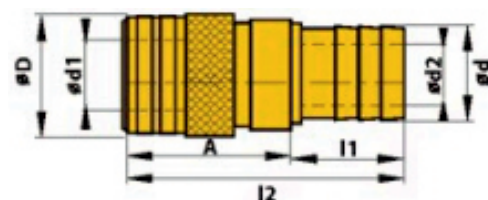


LINHA 104

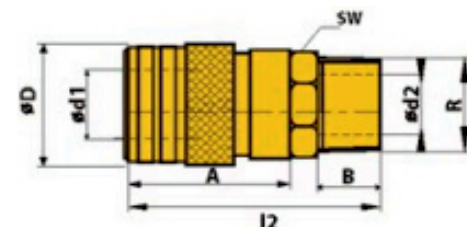
Conector



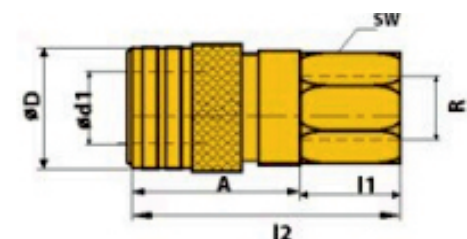
CONECTOR MANGUEIRA										
CÓDIGO		MANG	d1	d2	d	D	A	I1	I2	SÉRIE
Sem válvula	Valvulado									
CS104-8	CV104-8	3/4	20,0	15,0	21,0	35,0	49,0	30,0	80,0	104
CS104-9	CV104-9	1	20,0	18,0	27,0	35,0	49,0	30,0	80,0	104



CONECTOR ROSCA MACHO										
CÓDIGO		R NPT ou BSP	d1	d2	SW	D	A	B	I2	SÉRIE
Sem válvula	Valvulado									
CS104-18	CV104-18	1/2	20,0	16,0	7/8	35,0	49,0	17,0	66,0	104
CS104-19	CV104-19	3/4	20,0	21,0	1.1/16	35,0	49,0	17,0	66,0	104
CS104-20	CV104-20	1	20,0	26,0	1.3/8	35,0	49,0	22,0	71,0	104



CONECTOR ROSCA FÊMEA										
CÓDIGO		R NPT ou BSP	d1	D	SW	A	I1	I2	SÉRIE	
Sem válvula	Valvulado									
CS104-26	CV104-26	1/2	20,0	35,0	1	49,0	23,0	72,0	104	
CS104-27	CV104-27	3/4	20,0	35,0	1.3/16	49,0	25,0	74,0	104	
CS104-28	CV104-28	1	20,0	35,0	1.1/2	49,0	30,0	79,0	104	



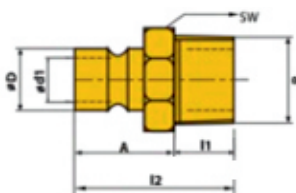
LINHA 104

Plugues



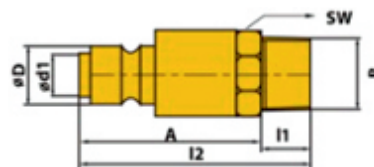
PLUG ROSCA MACHO

CÓDIGO	^R NPT ou BSP	d1	D	I2	A	I1	SW
PS104-18	1/2	14,0	20,0	41,0	24,0	17,0	7/8
PS104-19	3/4	14,0	20,0	41,0	24,0	17,0	1.1/16
PS104-20	1	14,0	20,0	46,0	24,0	22,0	1.3/8



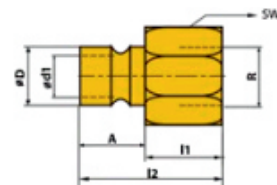
PLUG VALVULADO ROSCA MACHO

CÓDIGO	^R NPT ou BSP	d1	D	I1	A	I2	SW
PV104-18	1/2	14,0	20,0	17,0	40,0	57,0	7/8
PV104-19	3/4	14,0	20,0	17,0	40,0	57,0	1.1/16
PS104-20	1	14,0	20,0	22,0	40,0	62,0	1.3/8



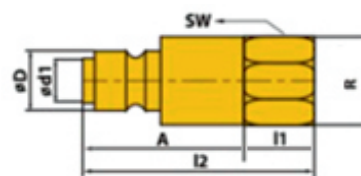
PLUG ROSCA FÊMEA

CÓDIGO	^R NPT ou BSP	d1	D	I1	A	I2	SW
PS104-26	1/2	14,0	20,0	23,0	24,0	47,0	1
PS104-27	3/4	14,0	20,0	25,0	24,0	49,0	1.3/16
PS104-28	1	14,0	20,0	30,0	24,0	54,0	1.1/2



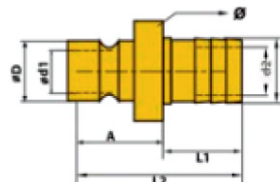
PLUG VALVULADO ROSCA FÊMEA

CÓDIGO	^R NPT ou BSP	d1	D	I1	A	I2	SW
PV104-26	1/2	14,0	20,0	23,0	40,0	63,0	1
PV104-27	3/4	14,0	20,0	25,0	40,0	65,0	1.3/16
PV104-28	1	14,0	20,0	30,0	40,0	70,0	1.1/2



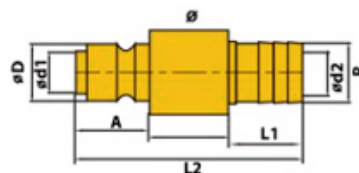
PLUG MANGUEIRA

CÓDIGO	R	d1	D	I1	A	I2	d2	Ø
PS104-5	5/8	14,0	20,0	30,0	23,0	53,0	12,0	7/8
PS104-8	3/4	14,0	20,0	30,0	23,0	53,0	15,0	7/8
PS104-9	1	14,0	20,0	30,0	23,0	53,0	18,0	1.1/16



PLUG VALVULADO MANGUEIRA

CÓDIGO	R	d1	D	I1	A	I2	d2	Ø	SÉRIE
PV104-5	5/8	14,0	20,0	30,0	40,0	70,0	12,0	1.1/8	104
PV104-8	3/4	14,0	20,0	30,0	40,0	70,0	15,0	1.1/8	104
PV104-9	1	14,0	20,0	30,0	40,0	70,0	18,0	1.1/8	104

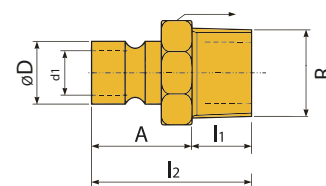


LINHA K

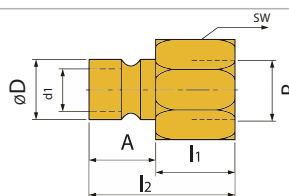
Plugues & Capas



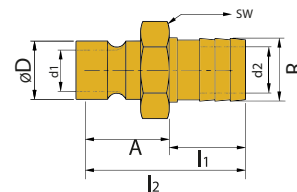
PLUG ROSCA MACHO									
REF		R NPT / BSP	d1	D	I2	A	I1	SW	Serie
Sem valvula	Sem valvula								
PSPKS-18	PVPKV-18	1/2	19,8	24,6	50,0	19,6	17,0	1	PK
PSPKS-19	PVPKV-19	3/4	19,8	24,6	48,4	19,6	19,8	1.1/16	PK
PSPKS-20	PVPKV-20	1	19,8	24,6	50,0	19,6	22,3	1.3/8	PK



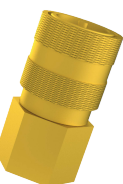
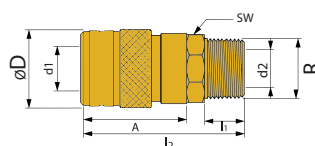
PLUG ROSCA FEMEA									
REF		R NPT / BSP	d1	D	I1	A	I2	SW	Serie
Sem valvula	Sem valvula								
PSPKS-26	PVPKV-26	1/2	13,9	24,6	30,4	19,6	50,0	1	PK
PSPKS-27	PVPKV-27	3/4	14,2	24,6	30,4	19,6	50,0	1.3/16	PK
PSPKS-28	PVPKV-28	1	14,2	24,6	31,5	19,6	50,7	1.1/2	PK



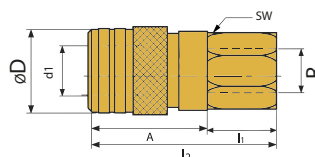
PLUG MANGUEIRA										
REF		R	d1	D	I1	A	I2	d2	Ø	Serie
Sem valvula	Sem valvula									
PSPKS-8	PVPKV-8	3/4	14,2	24,6	28,1	28,6	56,7	15 2/5	1.1/16	PK
PSPKS-9	PVPKV-9	1	15,2	24,6	28,1	19,6	56,7	24 6/25	1.1/16	PK



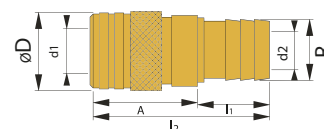
CONECTOR ROSCA MACHO										
REF		R NPT / BSP	d1	d2	SW	D	A	I1	I2	Serie
Sem valvula	Valvulado									
CSCKS-18	CVCKV-18	1/2	32,3	17,0	7/8	37,1	43,7	18,5	69,2	CK
CSCKS-19	CVCKV-19	3/4	32,3	17,0	11/16	37,1	43,7	18,5	69,7	CK
CSCKS-20	CVCKV-20	1	32,3	17,0	1.3/8	37,1	43,7	18,5	69,2	CK



CONECTOR ROSCA FEMEA									
REF		R NPT / BSP	d1	SW	D	A	I1	I2	Serie
Sem valvula	Valvulado								
CSCKS-26	CVCKV-26	1/2	32,3	5/8	37,1	43,7	29,0	72,7	CK
CSCKS-27	CVCKV-27	3/4	32,3	3/4	37,1	29,1	29,1	72,9	CK
CSCKS-28	CVCKV-28	1	32,3	1.1/2	37,1	43,2	29,0	72,2	CK



CONECTOR MANGUEIRA										
REF		MANG	d1	d2	d	D	A	I1	I2	Serie
Sem valvula	Valvulado									
CSCKS-8	CVCKV-8	3/4	32,2	14,3	23,2	37,1	43,7	32,9	76,5	CK
CSCKS-9	CVCKV-9	1	32,3	19,0	23,2	32,3	43,7	32,8	76,5	CK



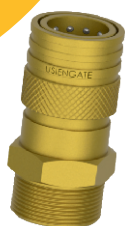
Disponível em Simples ou Valvulado

LINHA 105

Conector & Plugues



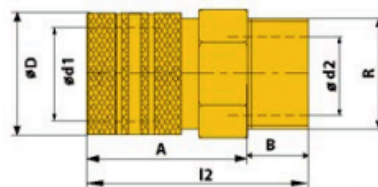
CONECTOR



CONECTOR ROSCA MACHO

CÓDIGO	R NPT ou BSP	d1	d2	SW	D	A	B	I2
CS105-20	1	33,5	23,0	2	51,0	62,0	26,0	89,0
CS105-21	1.1/2	33,5	23,0	2	51,0	62,0	26,0	89,0

Disponíveis nos terminais Mangueira, Rosca Fêmea e com Válvulas

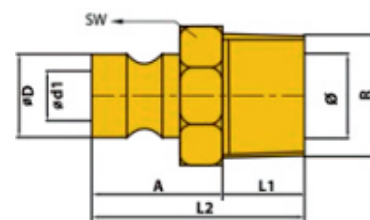


PLUGUES



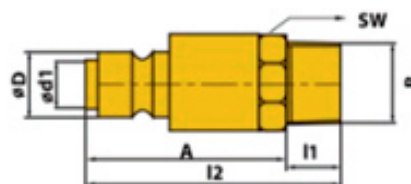
PLUG ROSCA MACHO

CÓDIGO	R	d1	D	L1	A	L2	SW	Ø
PS105-20	1	23,0	33,2	24,0	40,0	65,0	1.3/8	23,0
PS105-21	1.1/2	23,0	33,2	24,0	40,0	65,0	1.7/8	30,0
PS105-22	2	23,0	33,2	24,0	40,0	65,0	2.1/2	40,0



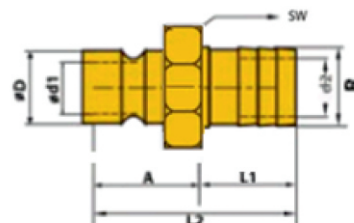
PLUG VALVULADO ROSCA MACHO

CÓDIGO	R	d1	D	L1	A	L2	SW
PV105-20	1	23,0	33,2	36,0	45,0	81,0	1.7/8
PV105-21	1.1/2	23,0	33,2	36,0	45,0	81,0	2
PV105-22	2	23,0	33,2	36,0	45,0	81,0	2.1/2



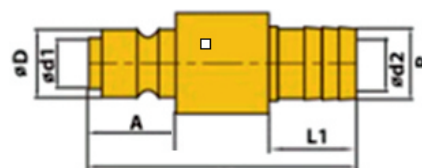
PLUG MANGUEIRA

CÓDIGO	R	d1	D	L1	A	L2	d2	SW
PS105-9	1	23,0	33,2	35,0	36,0	71,0	27,0	1.3/8
PS105-10	1.1/2	23,0	33,2	50,0	36,0	86,0	39,5	1.5/8
PS105-11	2	23,0	33,2	50,0	36,0	86,0	52,5	2.1/8



PLUG VALVULADO MANGUEIRA

CÓDIGO	R	d1	D	L1	A	L2	Ø	SW
PV105-9	1	23,0	33,2	47,0	45,0	92,0	27,0	1.3/4
PV105-10	1.1/2	23,0	33,2	62,0	45,0	107,0	39,5	1.5/8
PV105-11	2	23,0	33,2	62,0	45,0	107,0	52,5	2.1/8



LINHA ST

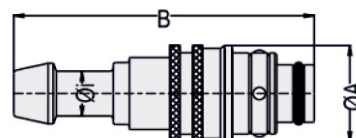
Conector & Plugues



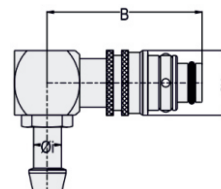
CONECTOR



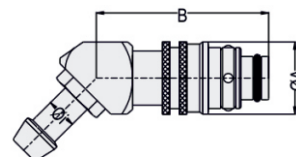
CONECTOR ST				
CÓDIGO	Øi	ØA	B	SÉRIE
CST08-4	3/8	20,0	65,0	ST08
CST08-5	1/2	20,0	65,0	ST08
CST12-5	1/2	28,0	77,0	ST12
CST12-8	3/4	28,0	77,0	ST12



CONECTOR ST 90°					
CÓDIGO	Øi	ØA	B	d1	SÉRIE
CST08-4-90	3/8	20,0	48,0	5/8	ST08
CST08-5-90	1/2	20,0	48,0	5/8	ST08
CST12-5-90	1/2	28,0	60,0	7/8	ST12
CST12-8-90	3/4	28,0	60,0	7/8	ST12



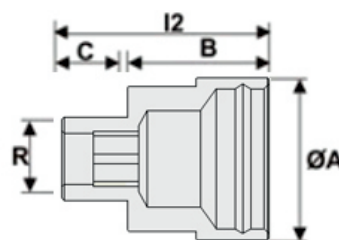
CONECTOR ST 45°					
CÓDIGO	Øi	ØA	B	d1	SÉRIE
CST08-4-45	3/8	20,0	45,0	5/8	ST08
CST08-5-45	1/2	20,0	45,0	5/8	ST08
CST12-5-45	1/2	28,0	53,0	7/8	ST12
CST12-8-45	3/4	28,0	53,0	7/8	ST12



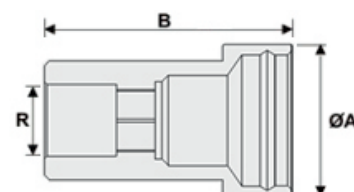
PLUGUES



PLUG ST ROSCA MACHO							
CÓDIGO	NPT / BSP	ØA	B	C	l2	chave allen	SÉRIE
PST08-15	1/8	20,6	23,0	9,0	32,0	6	ST08
PST08-16	1/4	20,6	23,0	13,0	36,0	8	ST08
PST08-17	3/8	20,6	23,0	13,0	36,0	8	ST08
PST12-17	3/8	32,0	28,0	13,0	41,0	10	ST12
PST12-18	1/2	32,0	28,0	17,0	45,0	14	ST12
PST12-19	3/4	32,0	28,0	17,0	45,0	14	ST12



PLUG ST ROSCA FÊMEA					
CÓDIGO	NPT / BSP	ØA	B	chave allen	SÉRIE
PST08-23	1/8	20,6	36,0	6	ST08
PST08-24	1/4	20,6	41,0	8	ST08
PST08-25	3/8	20,6	41,0	8	ST08
PST12-25	3/8	32,0	51,0	12	ST12
PST12-26	1/2	32,0	51,0	14	ST12
PST12-27	3/4	32,0	53,0	14	ST12



DISPONÍVEL NA VERSÃO ALONGADO

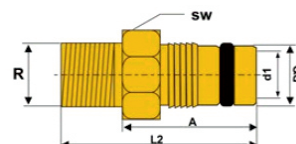


LINHA US

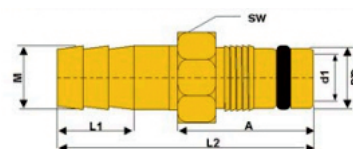
Plugues & Capas & Espigão



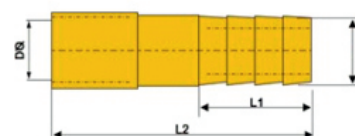
PLUG ROSCA MACHO							
CÓDIGO	^R NPT / BSP	d1	DØ	A	SW	L2	SÉRIE
PUS01-15	1/8	5,0	10,0	27,0	1/2	39,0	US01
PUS01-16	1/4	5,0	10,0	27,0	9/16	42,0	US01
PUS02-15	1/8	6,0	12,0	27,0	5/8	42,0	US02
PUS02-16	1/4	8,0	12,0	27,0	5/8	42,0	US02
PUS02-17	3/8	8,0	12,0	27,0	11/16	42,0	US02
PUS03-16	1/4	9,0	15,0	27,0	3/4	42,0	US03
PUS03-17	3/8	10,0	15,0	27,0	3/4	42,0	US03
PUS03-18	1/2	12,0	15,0	27,0	7/8	42,0	US03
PUS04-17	3/8	12,0	21,5	31,5	1.1/16	48,0	US04
PUS04-18	1/2	14,0	21,5	31,5	1.1/16	50,0	US04
PUS04-19	3/4	14,0	21,5	31,5	1.1/16	50,0	US04
PUS05-19	3/4	14,0	27,8	55,0	1.1/2	74,0	US05
PUS05-20	1"	14,0	27,8	55,0	1.1/2	74,0	US05



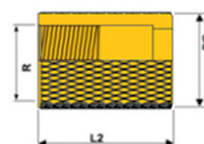
PLUG MANGUEIRA								
CÓDIGO	MANG	d1	DØ	A	SW	L1	L2	SÉRIE
PUS01-3	5/16	5,0	10,0	27,0	1/2	23,0	50,0	US01
PUS01-4	3/8	5,0	10,0	27,0	1/2	23,0	50,0	US01
PUS02-4	3/8	6,0	12,0	27,0	5/8	23,0	50,0	US02
PUS02-5	1/2	8,0	12,0	27,0	5/8	23,0	50,0	US02
PUS03-5	1/2	8,0	15,0	27,0	3/4	23,0	50,0	US03
PUS03-6	9/16	9,0	15,0	27,0	3/4	23,0	50,0	US03
PUS04-7	5/8	10,0	21,5	27,0	1.1/16	23,0	50,0	US04
PUS04-8	3/4	14,0	21,5	27,0	1.1/16	30,0	57,0	US04
PUS05-8	3/4	14,0	27,8	49,0	1.1/2	35,0	84,0	US05
PUS05-9	1	19,0	27,8	49,0	1.1/2	35,0	84,0	US05



ESPIGÃO US						
CÓDIGO	MANG	DØ	L1	L2	D2	SÉRIE
ESPUS01-3	5/16	10,0	20,0	48,0	8,0	US01
ESPUS01-4	3/8	10,0	20,0	48,0	9,5	US01
ESPUS02-4	3/8	12,0	20,0	48,0	9,5	US02
ESPUS02-5	1/2	12,0	20,0	48,0	12,7	US02
ESPUS03-5	1/2	15,0	20,0	48,0	12,7	US03
ESPUS04-5	1/2	21,5	20,0	52,0	12,7	US04
ESPUS04-8	3/4	21,5	28,0	60,0	19,0	US04
ESPUS05-8	3/4	28,5	42,0	90,0	25,4	US05
ESPUS05-9	1	28,1	42,0	90,0	25,4	US05



CAPA US				
CÓDIGO	L2	Rosca (UNF)	DØ	SÉRIE
CAPUS01	28,0	1/2	13,0	US01
CAPUS02	28,0	5/8	19,0	US02
CAPUS03	28,0	3/4	24,5	US03
CAPUS04	31,0	3/4 (gás)	31,5	US04
CAPUS05	48,0	1. 13/8	38,5	US05

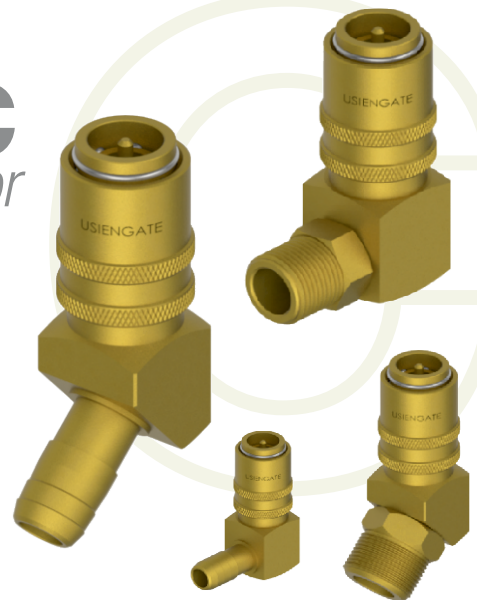


PLUG ALONGADO ROSCA MACHO							
CÓDIGO	^R NPT / BSP	d1	DØ	A	SW	L2	SÉRIE
PUS01-15	1/8	5,0	10,0	27,0	1/2	50-250	US01
PUS01-16	1/4	5,0	10,0	27,0	9/16	50-250	US01
PUS02-15	1/8	6,0	12,0	27,0	5/8	50-250	US02
PUS02-16	1/4	8,0	12,0	27,0	5/8	50-250	US02
PUS02-17	3/8	8,0	12,0	27,0	11/16	50-250	US02
PUS03-16	1/4	9,0	15,0	27,0	3/4	50-250	US03
PUS03-17	3/8	10,0	15,0	27,0	3/4	50-250	US03

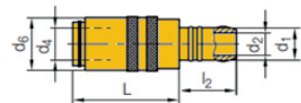


LINHA HC

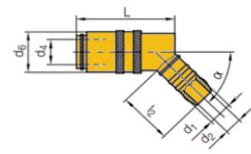
Conector



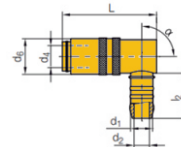
CONECTOR MANGUEIRA								
CÓDIGO		d1	d6	d4	d2	L	I2	SÉRIE
Sem válvula	Valvulado							
CSHC01-2	CVHC01-2	1/4	17	9,0	4,0	31,0	22,0	HC 01
CSHC01-4	CVHC01-4	3/8	17	9,0	6,0	31,0	22,0	HC 01
CSHC02-5	CVHC02-5	1/2	22	13	9,0	37	22,0	HC 02



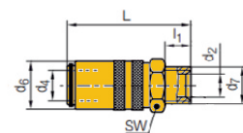
CONECTOR MANGUEIRA 45°									
CÓDIGO		d1	d6	d4	d2	L	I2	a	SÉRIE
Sem válvula	Valvulado								
CSHC01-2-45	CVHC01-2-45	1/4	17	9,0	4,0	41,0	28,0	45°	HC 01
CSHC01-4-45	CVHC01-4-45	3/8	17	9,0	6,0	41,0	28,0	45°	HC 01
CSHC02-5-45	CVHC02-5-45	1/2	22	13	9,0	51,0	28,0	45°	HC 02



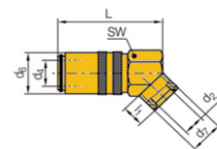
CONECTOR MANGUEIRA 90°									
CÓDIGO		d1	d6	d4	d2	L	I2	a	SÉRIE
Sem válvula	Valvulado								
CSHC01-2-90	CVHC01-2-90	1/4	17	9,0	4,0	41,0	24,0	90°	HC 01
CSHC01-4-90	CVHC01-4-90	3/8	17	9,0	6,0	41,0	24,0	90°	HC 01
CSHC02-5-90	CVHC02-5-90	1/2	22	13	9,0	51,0	28,0	90°	HC 02



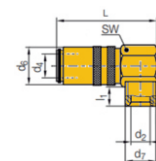
CONECTOR ROSCA MACHO									
CÓDIGO		d7 BSP ou NPT	d6	d4	d2	L	I1	SW	SÉRIE
Sem válvula	Valvulado								
CSHC01-15	CVHC01-15	1/8	17	9,0	6,0	46,0	10	11/16	HC 01
CSHC01-16	CVHC01-16	1/4	17	9,0	9,0	49,0	13	11/16	HC 01
CSHC02-16	CVHC02-16	1/4	22	13,0	9,0	55,0	13	7/8	HC 02
CSHC02-17	CVHC02-17	3/8	22	13,0	11,0	59,0	17	7/8	HC 02



CONECTOR ROSCA MACHO 45°									
CÓDIGO		d7 BSP ou NPT	d6	d4	d2	L	I1	SW	SÉRIE
Sem válvula	Valvulado								
CSHC01-15-45	CVHC01-15-45	1/8	17	9,0	6,0	47,0	10	11/16	HC 01
CSHC01-16-45	CVHC01-16-45	1/4	17	9,0	9,0	47,0	13	11/16	HC 01
CSHC02-16-45	CVHC02-16-45	1/4	22	13,0	9,0	54,0	13	7/8	HC 02
CSHC02-17-45	CVHC02-17-45	3/8	22	13,0	11,0	54,0	17	7/8	HC 02

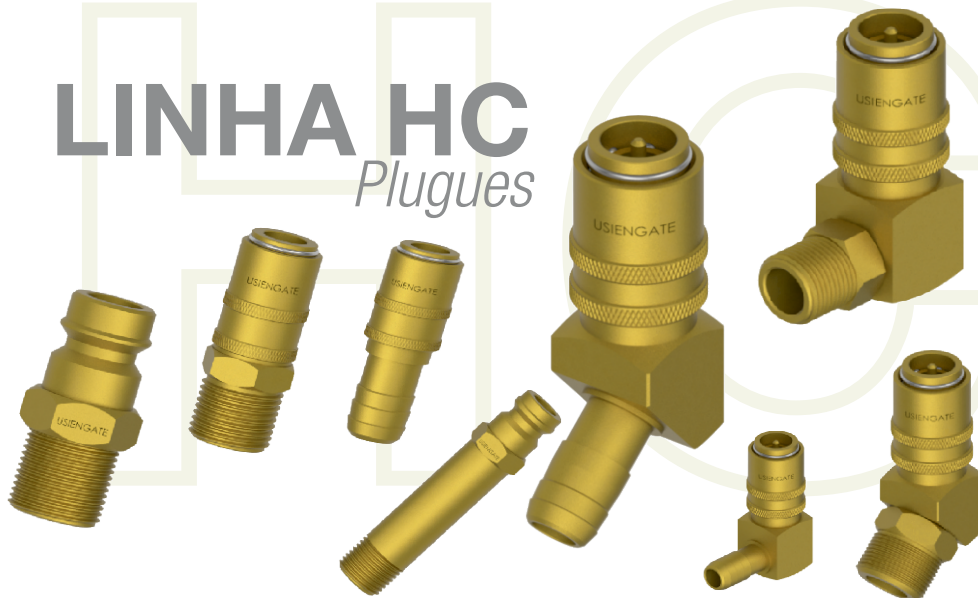


CONECTOR ROSCA MACHO 90°									
CÓDIGO		d7 BSP ou NPT	d6	d4	d2	L	I1	SW	SÉRIE
Sem válvula	Valvulado								
CSHC01-15-90	CVHC01-15-90	1/8	17	9,0	6,0	47,0	10	11/16	HC 01
CSHC01-16-90	CVHC01-16-90	1/4	17	9,0	9,0	47,0	13	11/16	HC 01
CSHC02-16-90	CVHC02-16-90	1/4	22	13,0	9,0	54,0	13	7/8	HC 02
CSHC02-17-90	CVHC02-17-90	3/8	22	13,0	11,0	54,0	17	7/8	HC 02

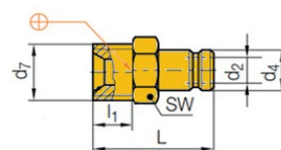


LINHA HC

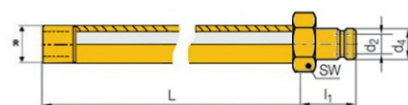
Plugues



PLUG ROSCA MACHO							
CÓDIGO	d7 BSP ou NPT	d4	d2	l1	L	SW	SÉRIE
PHC01-15	1/8	9,0	6,0	10,0	29,0	9/16	HC 01
PHC01-16	1/4	9,0	6,0	13,0	32,0	9/16	HC 01
PHC01-16	1/4	13,0	9,0	13,0	32,0	9/16	HC 02
PHC01-17	3/8	13,0	9,0	13,0	32,0	11/16	HC 02



PLUG ALONGADO ROSCA MACHO							
CÓDIGO	R BSP ou NPT	d4	d2	l1	L	SW	SÉRIE
PAHC01-15	1/8	9,0	6,0	19,0	20 - 300	9/16	HC 01
PAHC01-16	1/4	9,0	6,0	19,0	20 - 300	9/16	HC 01
PAHC01-16	1/4	13,0	9,0	19,0	20 - 300	9/16	HC 02
PAHC01-17	3/8	13,0	9,0	19,0	20 - 300	11/16	HC 02



CONEXÕES



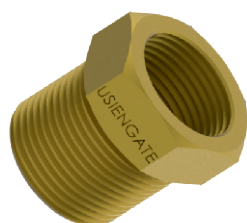
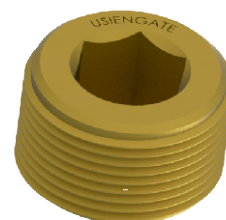
ESPIGÃO		
CÓDIGO	ROSCA MACHO	MANGUEIRA
ESP-15-4	R. 1/8" BSP	M 3/8"
ESP-15-4	R. 1/8" NPT	M 3/8"
ESP-16-4	R. 1/4" BSP	M 3/8"
ESP-16-4	R. 1/4" NPT	M 3/8"
ESP-17-4	R. 3/8" BSP	M 3/8"
ESP-17-4	R. 3/8" NPT	M 3/8"
ESP-15-5	R. 1/8" BSP	M 1/2"
ESP-15-5	R. 1/8" NPT	M 1/2"
ESP-16-5	R. 1/4" BSP	M 1/2"
ESP-16-5	R. 1/4" NPT	M 1/2"
ESP-17-5	R. 3/8" BSP	M 1/2"
ESP-17-5	R. 3/8" NPT	M 1/2"
ESP-18-5	R. 1/2" BSP	M 1/2"
ESP-18-5	R. 1/2" NPT	M 1/2"
ESP-18-8	R. 1/2" BSP	M 3/4"
ESP-18-8	R. 1/2" NPT	M 3/4"
ESP-19-8	R. 3/4" BSP	M 3/4"
ESP-19-8	R. 3/4" NPT	M 3/4"
ESP-20-8	R. 1" BSP	M 3/4"
ESP-20-8	R. 1" NPT	M 3/4"
ESP-19-9	R. 3/4" BSP	M 1"
ESP-19-9	R. 3/4" NPT	M 1"
ESP-20-9	R. 1" BSP	M 1"
ESP-20-9	R. 1" NPT	M 1"
ESP-21-10	R. 1. 1/2"	M 1. 1/2"
ESP-22-10	R. 2"	M 1. 1/2"
ESP-21-10	R. 1. 1/2"	M 2"
ESP-22-10	R. 2"	M 2"

NIPLE	
CÓDIGO	ROSCA MACHO
NP-15-BSP	R. 1/8"
NP-15-NPT	R. 1/8"
NP-16-BSP	R. 1/4"
NP-16-NPT	R. 1/4"
NP-17-BSP	R. 3/8"
NP-17-NPT	R. 3/8"
NP-18-BSP	R. 1/2"
NP-18-NPT	R. 1/2"
NP-19-BSP	R. 3/4"
NP-19-NPT	R. 3/4"
NP-20-BSP	R. 1"
NP-20-NPT	R. 1"
NP-21-BSP	R. 1. 1/2"
NP-22-BSP	R. 2"



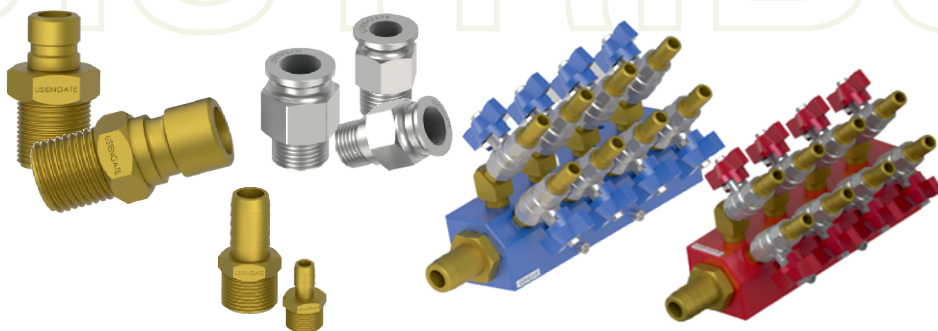
NIPLE REDUÇÃO		
CÓDIGO	ROSCA MACHO 1	ROSCA MACHO 2
NPR-16-15-B	1/4" BSP	1/8" BSP
NPR-16-15-N	1/4" NPT	1/8" NPT
NPR-17-16-B	3/8" BSP	1/4" BSP
NPR-17-16-N	3/8" NPT	1/4" NPT
NPR-18-17-B	1/2" BSP	3/8" BSP
NPR-18-17-N	1/2" NPT	3/8" NPT
NPR-19-18-B	3/4" BSP	1/2" BSP
NPR-19-18-N	3/4" NPT	1/2" NPT
NPR-20-19-B	1" BSP	3/4" BSP
NPR-20-19-N	1" NPT	3/4" NPT
NPR-21-20-B	1. 1/2" BSP	1" BSP
NPR-21-20-N	1. 1/2" NPT	1" NPT
NPR-22-21-B	2" BSP	1. 1/2" BSP
NPR-22-21-N	2" NPT	1. 1/2" NPT

BUJÃO	
CÓDIGO	ROSCA MACHO
BJ-15-B	1/8" BSP
BJ-15-N	1/8" NPT
BJ-16-B	1/4" BSP
BJ-16-N	1/4" NPT
BJ-17-B	3/8" BSP
BJ-17-N	3/8" NPT
BJ-18-B	1/2" BSP
BJ-18-N	1/2" NPT
BJ-19-B	3/4" BSP
BJ-19-N	3/4" NPT
BJ-20-B	1" BSP
BJ-20-N	1" NPT
BJ-21-B	1. 1/2" BSP
BJ-21-N	1. 1/2" NPT



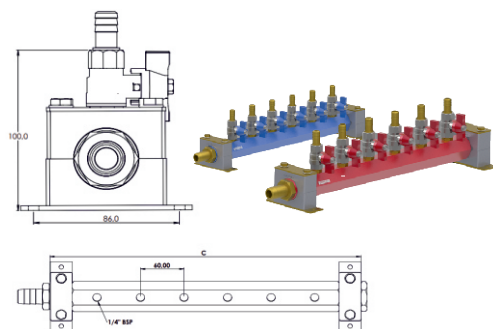
BUCHA REDUÇÃO		
CÓDIGO	R. MACHO	R. FÊMEA
BR-16-15-B	1/4" BSP	1/8" BSP
BR-16-15-N	1/4" NPT	1/8" NPT
BR-17-16-B	3/8" BSP	1/4" BSP
BR-17-16-N	3/8" NPT	1/4" NPT
BR-18-17-B	1/2" BSP	3/8" BSP
BR-18-17-N	1/2" NPT	3/8" NPT
BR-19-18-B	3/4" BSP	1/2" BSP
BR-19-18-N	3/4" NPT	1/2" NPT
BR-20-19-B	1" BSP	3/4" BSP
BR-20-19-N	1" NPT	3/4" NPT
BR-21-20-B	1. 1/2" BSP	1" BSP
BR-21-20-N	1. 1/2" NPT	1" NPT
BR-22-21-B	2" BSP	1. 1/2" BSP
BR-22-21-N	2" NPT	1. 1/2" NPT

DISTRIBUIDORES



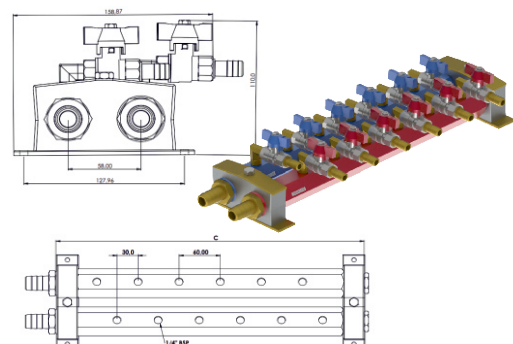
DISTRIBUIDOR SEXTAVADO INDIVIDUAL MANGUEIRA/ PU10/ PLUG

CÓDIGO	ENTRADA/ SAÍDA	VIAS	COMPRIMENTO
DISTS3/4-4V-MANG	3/4	4	300
DISTS3/4-6V-MANG	3/4	6	420
DISTS3/4-8V-MANG	3/4	8	540
DISTS3/4-10V-MANG	3/4	10	660
DISTS3/4-12V-MANG	3/4	12	780
DISTS1-4V-MANG	1	4	300
DISTS1-6V-MANG	1	6	420
DISTS1-8V-MANG	1	8	540
DISTS1-10V-MANG	1	10	660
DISTS1-12V-MANG	1	12	780



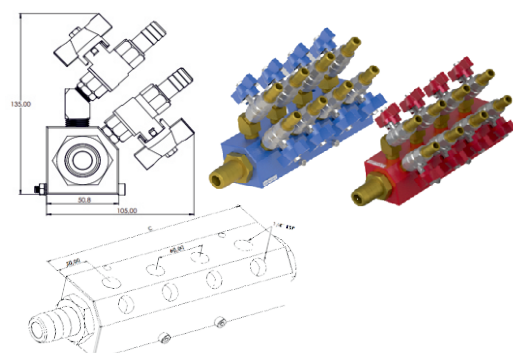
DISTRIBUIDOR SEXTAVADO DUPLO MANGUEIRA/ PU10 / PLUG

CÓDIGO	ENTRADA/ SAÍDA	VIAS	COMPRIMENTO
DISTS3/4-4V-MANG	3/4	4 V = 2 Entrada/ 2 Saída	210
DISTS3/4-6V-MANG	3/4	6 V = 3 Entrada/ 3 Saída	270
DISTS3/4-8V-MANG	3/4	8 V = 4 Entrada/ 4 Saída	330
DISTS3/4-10V-MANG	3/4	10 V = 5 Entrada/ 5 Saída	390
DISTS3/4-12V-MANG	3/4	12 V = 6 Entrada/ 6 Saída	450
DISTS1-4V-MANG	1	4 V = 2 Entrada/ 2 Saída	210
DISTS1-6V-MANG	1	6 V = 3 Entrada/ 3 Saída	270
DISTS1-8V-MANG	1	8 V = 4 Entrada/ 4 Saída	330
DISTS1-10V-MANG	1	10 V = 5 Entrada/ 5 Saída	390
DISTS1-12V-MANG	1	12 V = 6 Entrada/ 6 Saída	450



DISTRIBUIDOR QUADRADO COMPACTO MANGUEIRA/ PU10/ PLUG

CÓDIGO	ENTRADA/ SAÍDA	VIAS	COMPRIMENTO
DISTS3/4-4V-MANG	3/4	4	120
DISTS3/4-6V-MANG	3/4	6	180
DISTS3/4-8V-MANG	3/4	8	240
DISTS3/4-10V-MANG	3/4	10	300
DISTS3/4-12V-MANG	3/4	12	360
DISTS1-4V-MANG	1	4	120
DISTS1-6V-MANG	1	6	180
DISTS1-8V-MANG	1	8	240
DISTS1-10V-MANG	1	10	300
DISTS1-12V-MANG	1	12	360



OPÇÕES DE TERMINAIS DAS VIAS

MANGUEIRA (1/2 ou 3/8)
CONEXÃO INSTANTÂNEAS PU8 ou PU10
PLUG SÉRIE 101 ou 102

