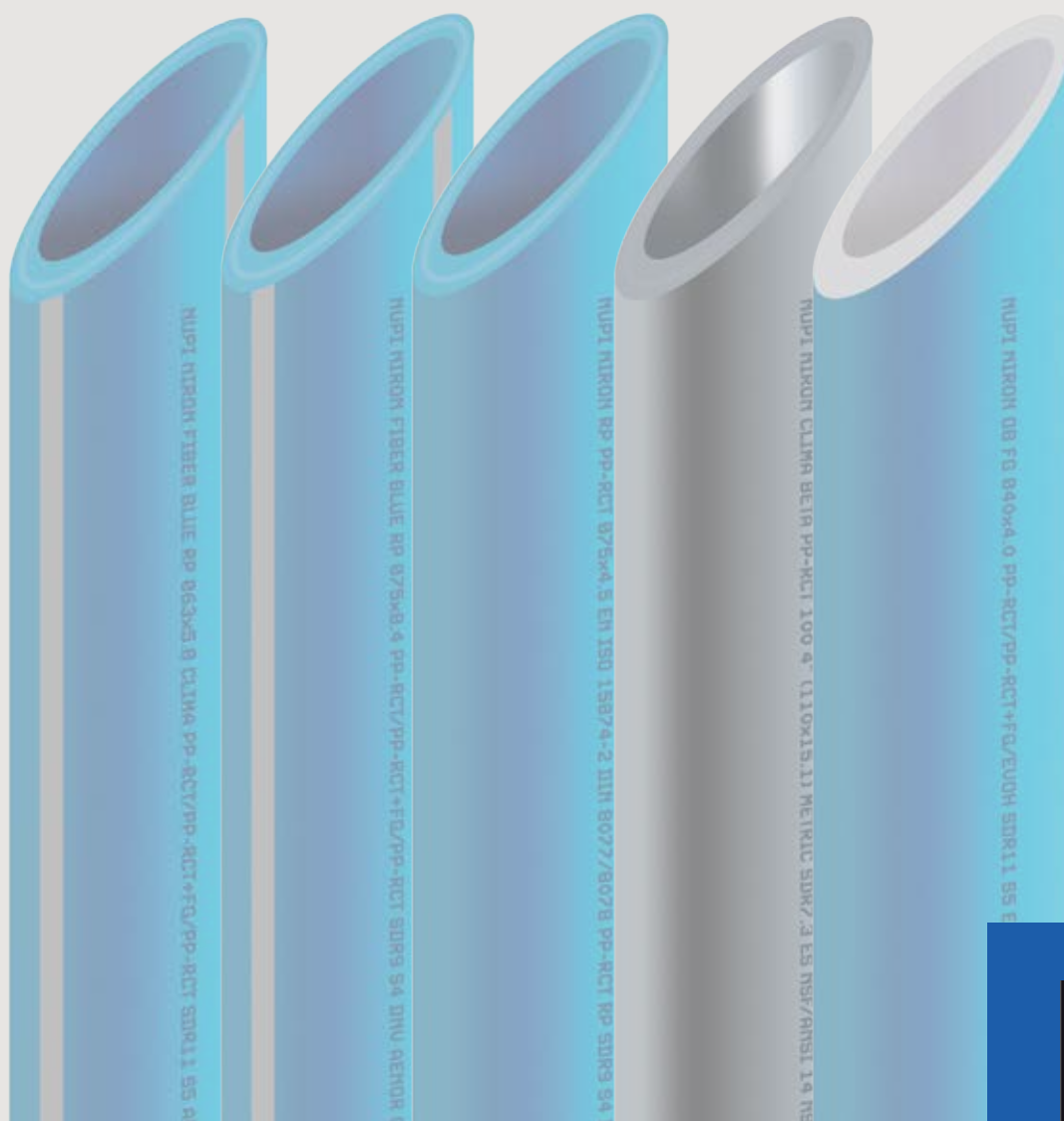


SISTEMA
NIRON

SISTEMA
NIRON PREMIUM

Tubulação e acessórios de PP-R & PP-RCT



Catálogo

Qualidade e inovação



A “alma mãe” da empresa

Investigação, inovação, qualidade, controlo e serviço concedeu-nos o mais alto reconhecimento internacional.

Todos os sistemas de tubulação e acessórios são fabricados com as técnicas de produção mais modernas e comercializados com marcas distintas, fornecendo uma solução técnica para cada tipo de circuito de fluido.

A garantia de qualidade dos nossos produtos é refletidos em certificações obtidas e ensaios de acordo com os regulamentos necessários de acordo com os regulamentos exigidos nos 5 continentes.

Índice

Sistema de tubulação e acessórios Sistema NIRON

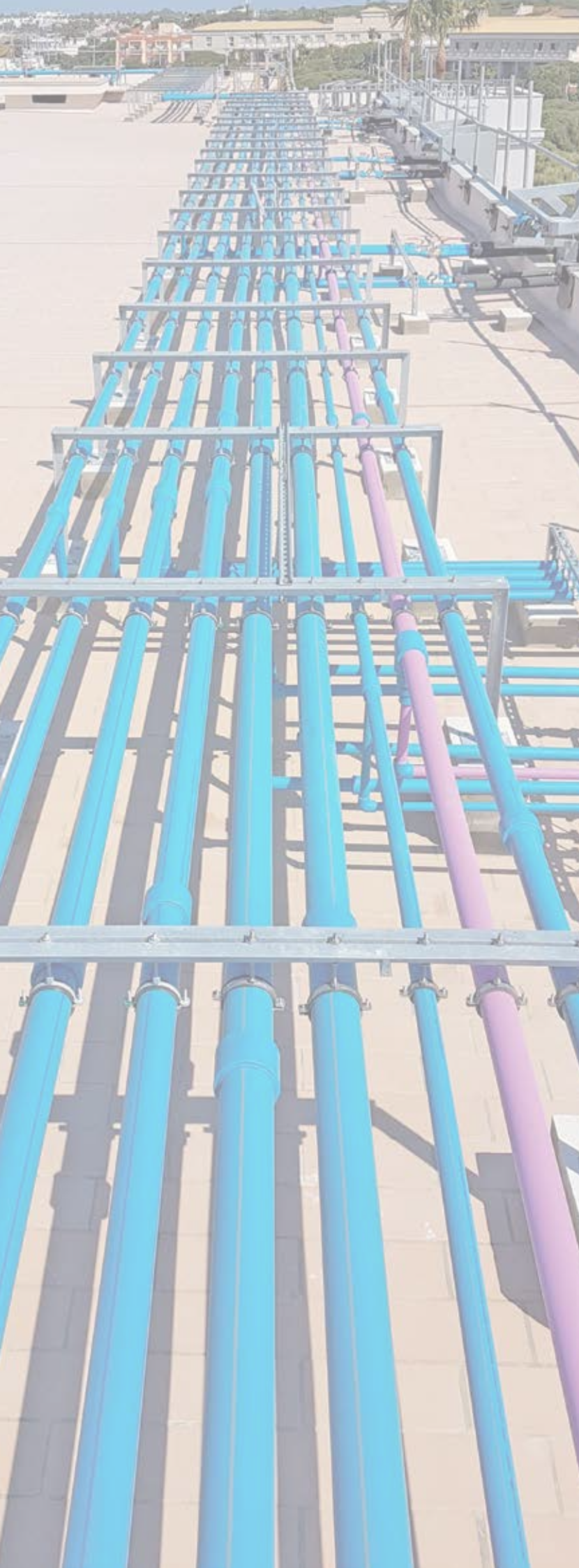
4	Tubulação	56	Acessórios termofusão roscados
28	Acessórios electrossoldáveis	66	Torneira
34	Acessórios termofusão	71	Aro soldar

Sistema de tubulação e acessórios Sistema NIRON PREMIUM

76	Tubulação	91	Acessórios roscados
79	União electrossoldáveis	97	Torneira
81	Acessórios termofusão	99	Aro soldar

Produtos comuns

101	Válvulas	111	Colares de derivação electrossoldáveis
105	Flanges	115	Ferramentas
108	Abraçadeiras	119	Máquinas



Tubulação



Água potável



Instalações
hidrosanitárias



Salas de
caldeiras



Instalações
climatização



Aquecimento a
alta e baixa
temperatura



Aplicações
geotérmicas



Construção
naval



Transferência
de produtos
químicos



Ar
comprimado



Águas
recuperadas



Não expor
ao sol

Índice

Tubulação Monocamada PP-R RP - Raised Pressure

Tubulação Monocamada RP SDR9/Série 4



Descrição

- Tubo monocamada PP-R RP SDR9/SÉRIE 4
- Classe 1/8, classe 2/8
- Classe 4/8, classe 5/6

Fornecimento:

- Em barras de 4 metros

Aplicações



Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
TNIRRRP2074 *	20 mm	2,8	4	100	3000
TNIRRRP2574 *	25 mm	3,5	4	100	2000
TNIRRRP329	32 mm	3,6	4	60	1320
TNIRRRP409	40 mm	4,5	4	40	800
TNIRRRP509	50 mm	5,6	4	20	560
TNIRRRP639	63 mm	7,1	4	16	352
TNIRRRP759	75 mm	8,4	4	12	240
TNIRRRP909	90 mm	10,1	4	8	160
TNIRRRP1109	110 mm	12,3	4	8	112
TNIRRRP1259	125 mm	14,0	4	4	80
TNIRRRP1609	160 mm	17,9	4	4	48
TNIRRRP2009	200 mm	22,4	4	4	32
TNIRRRP2509	250 mm	27,9	4	4	20
TNIRRRP3159	315 mm	35,2	4	4	12
TNIRRRP3559	355 mm	39,7	4	4	12

* Descrição

- Tubo monocamada PP-R RP SDR7,4/SÉRIE 3,2
- Classe 1/10, classe 2/10, Classe 4/10, classe 5/8

Fornecimento:

- Em barras de 4 metros

Tubulação Monocamada PP-R RP - Raised Pressure

Pressões de trabalho tubulação monocamada RP SDR9/SÉRIE 4

		NIRON Monocamada RP SDR9/Série 4		NIRON Monocamada RP SDR7,4/Série 3,2	
Classe	1	8	10		
	2	8	10		
	4	8	10		
	5	6	8		
T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado	Circuito aberto	Circuito fechado
10	1	24,0	28,8	30,2	36,2
	5	23,3	28,0	29,3	35,2
	10	22,9	27,5	28,9	34,7
	25	22,6	27,1	28,4	34,1
	50	22,3	26,8	28,0	33,6
20	1	20,8	25,0	26,3	31,6
	5	20,2	24,2	25,4	30,5
	10	19,9	23,9	25,1	30,1
	25	19,6	23,5	24,6	29,5
	50	19,3	23,2	24,3	29,2
30	1	18,1	21,7	22,7	27,2
	5	17,4	20,9	22,0	26,4
	10	17,2	20,6	21,7	26,0
	25	16,8	20,2	21,2	25,4
	50	16,6	19,9	20,9	25,1
40	1	15,5	18,6	19,6	23,5
	5	15,0	18,0	18,9	22,7
	10	14,8	17,8	18,6	22,3
	25	14,4	17,3	18,2	21,8
	50	14,3	17,2	17,9	21,5
50	1	13,3	16,0	16,7	20,0
	5	12,8	15,4	16,1	19,3
	10	12,6	15,1	15,8	19,0
	25	12,3	14,8	15,5	18,6
	50	12,1	14,5	15,2	18,2
60	1	11,3	13,6	14,2	17,0
	5	10,8	13,0	13,6	16,3
	10	10,6	12,7	13,4	16,1
	25	10,3	12,4	13,1	15,7
	50	10,2	12,2	12,8	15,4
70	1	9,4	11,3	11,9	14,3
	5	9,1	10,9	11,4	13,7
	10	8,9	10,7	11,2	13,4
	25	8,7	10,4	10,9	13,1
	50	8,5	10,2	10,7	12,8
80	1	7,9	9,5	9,9	11,9
	5	7,5	9,0	9,5	11,4
	10	7,4	8,9	9,3	11,2
	25	7,2	8,6	9,1	10,9
95	1	5,9	7,1	7,4	8,9
	5	5,6	6,7	7,1	8,5

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

Tubulação Monocamada PP-R

Tubulação Monocamada SDR6/Série 2,5 (PN20)



Descrição

-Tubo monocamada SDR6/SÉRIE 2,5
-Classe 1/10 bar, classe 2/8 bar,
Classe 4/10 bar, classe 5/6 bar

Fornecimento:

-Em barras de 4 metros

Aplicações



Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
TNIRR16 *	16 mm	2,7	4	100	4600
TNIRR20	20 mm	3,4	4	100	3000
TNIRR25	25 mm	4,2	4	100	2000
TNIRR32	32 mm	5,4	4	60	1320
TNIRR40	40 mm	6,7	4	40	800
TNIRR50	50 mm	8,4	4	20	560
TNIRR63	63 mm	10,5	4	16	352
TNIRR75	75 mm	12,5	4	12	240
TNIRR90	90 mm	15,0	4	8	160
TNIRR110	110 mm	18,4	4	8	112
TNIRR125	125 mm	20,8	4	4	80
TNIRR160	160 mm	26,6	4	4	48

* Até final das existências.

Tubulação Monocamada PP-R

Pressões de trabalho tubulação monocamada SDR6/SÉRIE 2,5

NIRON Monocamada RP SDR6/Série 2,5			
Classe	1	10	
	2	8	
	4	10	
	5	6	
	5	6	
T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado
10	1	35,0	42,0
	5	33,2	39,8
	10	32,1	38,5
	25	31,1	37,3
	50	30,3	36,4
20	1	30,0	36,0
	5	28,1	33,7
	10	27,3	32,8
	25	26,5	31,8
	50	25,7	30,8
30	1	25,5	30,6
	5	23,9	28,7
	10	23,1	27,7
	25	22,3	26,8
	50	21,8	26,2
40	1	21,5	25,8
	5	20,2	24,2
	10	19,6	23,5
	25	18,8	22,6
	50	18,3	22,0
50	1	18,3	22,0
	5	17,0	20,4
	10	16,5	19,8
	25	15,9	19,1
	50	15,4	18,5
60	1	15,4	18,5
	5	14,3	17,2
	10	13,8	16,6
	25	13,3	16,0
	50	12,7	15,2
70	1	13,0	15,6
	5	11,9	14,3
	10	11,7	14,0
	25	10,1	12,1
	50	8,5	10,2
80	1	10,9	13,1
	5	9,6	11,5
	10	8,0	9,6
	25	6,4	7,7
95	1	7,7	9,2
	5	5,0	6,0

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

Tubulação Monocamada PP-R

Tubulação Monocamada SDR7,4/Série 3,2 (PN16)



Descrição

-Tubo monocamada SDR7,4/SÉRIE 3,2
-Classe 1/8 bar, classe 2/6 bar,
Classe 4/10 bar, classe 5/6 bar

Fornecimento:

-Em barras de 4 metros

Aplicações



Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
TNIRR2516	25 mm	3,5	4	100	2000
TNIRR3216	32 mm	4,4	4	60	1320
TNIRR4016	40 mm	5,5	4	40	800
TNIRR5016	50 mm	6,9	4	20	560
TNIRR6316	63 mm	8,7	4	16	352
TNIRR7516	75 mm	10,4	4	12	240
TNIRR9016	90 mm	12,5	4	8	160
TNIRR11016	110 mm	15,2	4	8	112
TNIRR12516	125 mm	17,1	4	4	80
TNIRR16016	160 mm	21,9	4	4	48

Tubulação Monocamada PP-R

Pressão de trabalho tubulação Monocamada SDR7,4/SÉRIE 3,2

NIRON Monocamada SDR7,4/Série 3,2			
Classe	1	8	
	2	6	
	4	10	
	5	6	
T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado
10	1	27,8	33,4
	5	26,4	31,7
	10	25,5	30,6
	25	24,7	29,6
	50	24,0	28,8
20	1	23,8	28,6
	5	22,3	26,8
	10	21,7	26,0
	25	21,1	25,3
	50	20,4	24,5
30	1	20,2	24,2
	5	19,0	22,8
	10	18,3	22,0
	25	17,7	21,2
	50	17,3	20,8
40	1	17,1	20,5
	5	16,0	19,2
	10	15,6	18,7
	25	15,0	18,0
	50	14,5	17,4
50	1	14,5	17,4
	5	13,5	16,2
	10	13,1	15,7
	25	12,6	15,1
	50	12,2	14,6
60	1	12,2	14,6
	5	11,6	13,9
	10	11,0	13,2
	25	10,5	12,6
	50	10,1	12,1
70	1	10,3	12,4
	5	9,5	11,4
	10	9,3	11,2
	25	8,0	9,6
	50	6,7	8,0
80	1	8,6	10,3
	5	7,6	9,1
	10	6,3	7,6
	25	5,1	6,1
95	1	6,1	7,3
	5	4,0	4,8

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

Tubulação Monocamada PP-R

Tubulação Monocamada SDR11/Série 5 (PN10)



Descrição

- Tubo monocamada SDR11/SÉRIE 5
- Só para água fria
- Classe 1/6 bar, classe 2/4 bar, Classe 4/6 bar

Fornecimento:

- Em barras de 4 metros

Aplicações



Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
TNIRR2510	25 mm	2,3	4	100	2000
TNIRR3210	32 mm	2,9	4	60	1320
TNIRR4010	40 mm	3,7	4	40	800
TNIRR5010	50 mm	4,6	4	20	560
TNIRR6310	63 mm	5,8	4	16	352
TNIRR7510	75 mm	6,8	4	12	240
TNIRR9010	90 mm	8,2	4	8	160
TNIRR11010	110 mm	10,0	4	8	112
TNIRR12510	125 mm	11,4	4	8	80
TNIRR16010	160 mm	14,6	4	4	48
TNIRR20010	200 mm	18,2	4	4	32
TNIRR25010	250 mm	22,7	4	4	20
TNIRR31510	315 mm	28,6	4	4	12
TNIRR35510	355 mm	32,2	4	4	12
TNIRR40010	400 mm	36,3	4	4	8
TNIRR45010	450 mm	40,9	4	4	8

Tubulação Monocamada PP-R

Pressões de trabalho tubulação Monocamada SDR11/SÉRIE 5

NIRON Monocamada SDR11/Série 5			
Classe	1	6	
	2	4	
	4	6	
	5	-	
T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado
10	1	17,6	21,1
	5	16,6	19,9
	10	16,1	19,3
	25	15,6	18,7
	50	15,2	18,2
20	1	15,0	18,0
	5	14,1	16,9
	10	13,7	16,4
	25	13,3	16,0
	50	12,9	15,5
30	1	12,8	15,4
	5	12,0	14,4
	10	11,6	13,9
	25	11,2	13,4
	50	10,9	13,1

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

Tubulação PPR Composta RP PP-R RP - Raised Pressure FIBER BLUE

Tubulação composta RP SDR9/Série 4



Descrição

- Tubo composto PP-R RP+FV
- SDR9/SÉRIE 4
- Faixa cor cinza
- Classe 1/8, classe 2/8,
- Classe 4/8, classe 5/6

Fornecimento:

- Em barras de 4 metros

Aplicações



* Com certificado de potabilidade. Adequado para a transferência de água potável até 400 mm de diâmetro incluído.

Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
TNIRFBRP2074 *	20 mm	2,8	4	100	3000
TNIRFBRP2574 *	25 mm	3,5	4	100	2000
TNIRFBRP329	32 mm	3,6	4	60	1320
TNIRFBRP409	40 mm	4,5	4	40	800
TNIRFBRP509	50 mm	5,6	4	20	560
TNIRFBRP639	63 mm	7,1	4	16	352
TNIRFBRP759	75 mm	8,4	4	12	240
TNIRFBRP909	90 mm	10,1	4	8	160
TNIRFBRP1109	110 mm	12,3	4	8	112
TNIRFBRP1259	125 mm	14,0	4	8	80
TNIRFBRP1609	160 mm	17,9	4	4	48
TNIRFBRP2009	200 mm	22,4	4	4	32
TNIRFBRP2509	250 mm	27,9	4	4	20
TNIRFBRP3159	315 mm	35,2	4	4	12
TNIRFBRP3559	355 mm	39,7	4	4	12

* Descrição

- Tubo composto PP-R RP+FV
- SDR 7,4/SÉRIE 3,2
- Faixa cor cinza
- Classe 1/10, classe 2/10,
- Classe 4/10, classe 5/8

Fornecimento:

- En barras de 4 metros

Tubulação PPR Composta RP PP-R RP - Raised Pressure FIBER BLUE

Pressão de trabalho tubulação composta RP SDR9/SÉRIE 4

		NIRON Composto SDR9/Série 4		NIRON Composto SDR7,4/Série 3,2	
Classe	1	8		10	
	2	8		10	
	4	8		10	
	5	6		8	
T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado	Circuito aberto	Circuito fechado
10	1	24,0	28,8	30,2	36,2
	5	23,2	27,9	29,3	35,1
	10	22,9	27,5	28,9	34,7
	25	22,5	27,1	28,4	34,1
	50	22,2	26,7	28,0	33,6
	100	21,9	26,3	27,6	33,2
20	1	20,9	25,0	26,3	31,5
	5	20,2	24,2	25,4	30,5
	10	19,9	23,9	25,1	30,1
	25	19,6	23,5	24,6	29,6
	50	19,3	23,1	24,3	29,2
	100	19,0	22,8	24,0	28,8
30	1	18,1	21,7	22,7	27,3
	5	17,4	20,9	22,0	26,4
	10	17,2	20,6	21,7	26,0
	25	16,9	20,2	21,2	25,5
	50	16,6	19,9	20,9	25,1
	100	16,4	19,7	20,6	24,8
40	1	15,5	18,6	19,6	23,5
	5	15,0	18,0	18,9	22,6
	10	14,7	17,7	18,6	22,3
	25	14,4	17,3	18,2	21,8
	50	14,2	17,1	17,9	21,5
	100	14,0	16,8	17,6	21,2
50	1	13,3	15,9	16,7	20,1
	5	12,8	15,3	16,1	19,3
	10	12,6	15,1	15,8	19,0
	25	12,3	14,7	15,5	18,6
	50	12,1	14,5	15,2	18,3
	100	11,9	14,3	15,0	18,0
60	1	11,2	13,5	14,2	17,0
	5	10,8	13,0	13,6	16,3
	10	10,6	12,7	13,4	16,0
	25	10,4	12,4	13,1	15,7
	50	10,2	12,2	12,8	15,4
	100	10,0	12,0	12,6	15,2
70	1	9,4	11,3	11,9	14,3
	5	9,1	10,9	11,4	13,7
	10	8,9	10,7	11,2	13,5
	25	8,7	10,4	10,9	13,1
	50	8,5	10,2	10,7	12,9
	100	8,3	10,0	10,5	12,7
80	1	7,9	9,5	9,9	11,9
	5	7,5	9,0	9,5	11,4
	10	7,4	8,9	9,3	11,2
	25	7,2	8,6	9,1	10,9
95	1	5,9	7,1	7,4	8,9
	5	5,6	6,7	7,1	8,5

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

Tubulação composta PP-R RP - Raised Pressure NIRON CLIMA

Tubulação composta RP SDR11/Série 5



Descrição

-Tubo composto PP-R RP+FV
SDR11/SÉRIE 5
-Faixa cor cinza
-Classe 1/6 bar, classe 2/6 bar,
Classe 4/6 bar, classe 5/4 bar

Fornecimento:

-Em barras de 4 metros

Aplicações



* Com certificado de potabilidade. Adequado para a transferência de água potável até 315 mm de diâmetro incluído.

Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
TNIRFBRP2074 *	20 mm	2,8	4	100	3000
TNIRFBRP2574 *	25 mm	3,5	4	100	2000
TNIRCL3211	32 mm	2,9	4	60	1320
TNIRCL4011	40 mm	3,7	4	40	800
TNIRCL5011	50 mm	4,6	4	20	560
TNIRCL6311	63 mm	5,8	4	16	352
TNIRCL7511	75 mm	6,8	4	12	240
TNIRCL9011	90 mm	8,2	4	8	160
TNIRCL11011	110 mm	10,0	4	8	112
TNIRCL12511	125 mm	11,4	4	4	80
TNIRCL16011	160 mm	14,6	4	4	48
TNIRCL20011	200 mm	18,2	4	4	32
TNIRCL25011	250 mm	22,7	4	4	20
TNIRCL31511	315 mm	28,6	4	4	12
TNIRCL35511	355 mm	32,2	4	4	12
TNIRCL40011	400 mm	36,3	4	4	12
TNIRCL45011	450 mm	40,9	4	4	8

* Descrição

-Tubo composto PP-R RP+FV
SDR 7,4/SÉRIE 3,2
-Faixa cor cinza
-Classe 1/10 bar, classe 2/10 bar,
Classe 4/10 bar, classe 5/8 bar

Fornecimento:

-Em barras de 4 metros

Gama NIRON FIBER BLUE

Tubulação composta PP-R RP - Raised Pressure NIRON CLIMA

Pressão de trabalho tubulação composta RP SDR11/SÉRIE 5

		NIRON Composto SDR11/Série 5		NIRON Composto SDR7,4/Série 3,2	
Classe	1	6		10	
	2	6		10	
	4	6		10	
	5	4		8	
Tª máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado	Circuito aberto	Circuito fechado
10	1	19,0	22,8	30,2	36,2
	5	18,4	22,1	29,3	35,1
	10	18,2	21,9	28,9	34,7
	25	17,9	21,5	28,4	34,1
	50	17,7	21,2	28,0	33,6
	100	17,4	20,9	27,6	33,2
20	1	16,6	19,9	26,3	31,5
	5	16,0	19,3	25,4	30,5
	10	15,8	19,0	25,1	30,1
	25	15,5	18,6	24,6	29,6
	50	15,3	18,4	24,3	29,2
	100	15,1	18,1	24,0	28,8
30	1	14,3	17,2	22,7	27,3
	5	13,9	16,6	22,0	26,4
	10	13,6	16,4	21,7	26,0
	25	13,4	16,1	21,2	25,5
	50	13,2	15,8	20,9	25,1
	100	13,0	15,6	20,6	24,8
40	1	12,3	14,8	19,6	23,5
	5	11,9	14,3	18,9	22,6
	10	11,7	14,1	18,6	22,3
	25	11,5	13,8	18,2	21,8
	50	11,3	13,6	17,9	21,5
	100	11,1	13,3	17,6	21,2
50	1	10,5	12,6	16,7	20,1
	5	10,1	12,2	16,1	19,3
	10	10,0	12,0	15,8	19,0
	25	9,7	11,7	15,5	18,6
	50	9,6	11,5	15,2	18,3
	100	9,4	11,3	15,0	18,0
60	1	8,9	10,7	14,2	17,0
	5	8,6	10,3	13,6	16,3
	10	8,4	10,1	13,4	16,0
	25	8,2	9,9	13,1	15,7
	50	8,1	9,7	12,8	15,4
70	1	7,5	9,0	11,9	14,3
	5	7,2	8,6	11,4	13,7
	10	7,0	8,5	11,2	13,5
	25	6,9	8,3	10,9	13,1
	50	6,8	8,1	10,7	12,9
80	1	6,2	7,5	9,9	11,9
	5	6,0	7,2	9,5	11,4
	10	5,9	7,0	9,3	11,2
	25	5,7	6,9	9,1	10,9
95	1	4,7	5,6	7,4	8,9
	5	4,4	5,3	7,1	8,5

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

Tubulação composta PP-R RP - Raised Pressure NIRON CLIMA

Tubulação composta RP SDR17/Série 8



Descrição

- Tubo composto PP-R RP+FV SDR17/SÉRIE 8
- Faixa cor cinza
- Classe 1/4 bar, classe 2/4 bar, Classe 4/4 bar

Fornecimento:

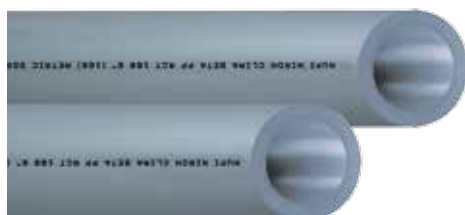
- En barras de 5,8 metros

Aplicações



* Com certificado de potabilidade. Adequado para a transferência de água potável até 400 mm de diâmetro incluído.

Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
TNIRCL16017B5,8	160 mm	9,5	5,8	5,8	69,6
TNIRCL20017B5,8	200 mm	11,9	5,8	5,8	46,4
TNIRCL25017B5,8	250 mm	14,9	5,8	5,8	29,0
TNIRCL31517B5,8	315 mm	18,7	5,8	5,8	17,4
TNIRCL35517B5,8	355 mm	21,1	5,8	5,8	17,4
TNIRCL40017B5,8	400 mm	23,7	5,8	5,8	11,6



Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
27TNIRCL45017B5,8	450 mm	26,4	5,8	5,8	5,8
27TNIRCL50017B5,8	500 mm	29,7	5,8	5,8	5,8
27TNIRCL56017B5,8	560 mm	33,2	5,8	5,8	5,8
27TNIRCL63017B5,8	630 mm	37,4	5,8	5,8	5,8

Tubulação composta PP-R RP - Raised Pressure NIRON CLIMA

Pressão de trabalho tubulação composta RP SDR17/SÉRIE 8

NIRON Composto SDR17/Série 8			
Classe	1	4	
	2	4	
	4	4	
	5	-	
Tª máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado
10	1	12,0	14,4
	5	11,6	14,0
	10	11,5	13,8
	25	11,3	13,5
	50	11,1	13,4
	100	11,0	13,2
20	1	10,4	12,5
	5	10,1	12,1
	10	10,	12,0
	25	9,8	11,7
	50	9,6	11,6
	100	9,5	11,4
30	1	9,0	10,8
	5	8,7	10,5
	10	8,6	10,3
	25	8,4	10,1
	50	8,3	10,0
	100	8,2	9,8
40	1	7,8	9,3
	5	7,5	9,0
	10	7,4	8,8
	25	7,2	8,7
	50	7,1	8,5
	100	7,0	8,4
50	1	6,6	8,0
	5	6,4	7,7
	10	6,3	7,5
	25	6,1	7,4
	50	6,0	7,2
	100	5,9	7,1
60	1	5,6	6,7
	5	5,4	6,5
	10	5,3	6,4
	25	5,2	6,2
	50	5,1	6,1
	1	4,7	5,7
70	5	4,5	5,4
	10	4,4	5,3
	25	4,3	5,2
	50	4,2	5,1
	1	3,9	4,7
	5	3,7	4,5
80	10	3,7	4,4
	25	3,6	4,3
	1	2,9	3,5
95	5	2,8	3,3

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

NIRON® *Clima* *Cool-pro*™



Sistema de tubulação para circuitos
de recuperação de condensado
em torres de refrigeração

Tubulação composta NIRON CLIMA COOL PRO PP-RCT RA7050 COM PROTEÇÃO UV

Tubo composto PP-RCT RA7050 com proteção externa de dióxido de titânio SDR11/Série 5



Descrição

- Tubo composto PP-RCT RA7050+ FV SDR11/SÉRIE 5
- Camada externa: Capa PP-RCT aditivada com masterbach resistente à radiação UV, cor branco
- Camada interna: PP-RCT RA7050+FV color gris
- Classe 1/6 bar, classe 2/6 bar, Classe 4/6 bar, classe 5/4 bar

Fornecimento:

- Em barras de 5,8 metros

Aplicações



Resistente aos
raios UV

Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
27TNIRCLUV329 *	32	3,6	5,8	5,8	-
27TNIRCLUV4011	40	3,7	5,8	5,8	-
27TNIRCLUV5011	50	4,6	5,8	5,8	-
27TNIRCLUV6311	63	5,8	5,8	5,8	-
27TNIRCLUV7511	75	6,8	5,8	5,8	-
27TNIRCLUV9011	90	8,2	5,8	5,8	-
27TNIRCLUV11011	110	10,0	5,8	5,8	-
27TNIRCLUV12511	125	11,4	5,8	5,8	-
27TNIRCLUV16011	160	14,6	5,8	5,8	-
27TNIRCLUV20011	200	18,2	5,8	5,8	-
27TNIRCLUV25011	250	22,7	5,8	5,8	-
27TNIRCLUV31511	315	28,6	5,8	5,8	-
27TNIRCLUV35511	355	32,2	5,8	5,8	-
27TNIRCLUV40011	400	36,3	5,8	5,8	-

* Descrição

- Tubo composto PP-RCT RA7050+ FV SDR9/SÉRIE 4
- Camada externa: Capa PP-RCT aditivada com masterbach resistente à radiação UV, cor branco
- Camada interna: PP-RCT RA7050+FV cor cinzenta
- Classe 1/8 bar, classe 2/8 bar, Classe 4/8 bar, classe 5/6 bar

Fornecimento:

- Em barras de 5,8 metros

Tubulação composta NIRON CLIMA COOL PRO PP-RCT RA7050 COM PROTEÇÃO UV

Pressão de trabalho tubulação composta PP-RCT SDR11/Série 5

		NIRON Composto PP-RCT SDR11/Série 5		NIRON Composto PP-RCT SDR9/Série 4	
Classe	1	6	8		
	2	6	8		
	4	6	8		
	5	4	6		
T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado	Circuito aberto	Circuito fechado
10	1	19,0	22,8	24,0	28,8
	5	18,4	22,1	23,2	27,9
	10	18,2	21,9	22,9	27,5
	25	17,9	21,5	22,5	27,1
	50	17,7	21,2	22,2	26,7
20	1	16,6	19,9	20,9	25,0
	5	16,0	19,3	20,2	24,2
	10	15,8	19,0	19,9	23,9
	25	15,5	18,6	19,6	23,5
	50	15,3	18,4	19,0	23,1
30	1	14,3	17,2	18,1	21,7
	5	13,9	16,6	17,4	20,9
	10	13,6	16,4	17,2	20,6
	25	13,4	16,1	16,9	20,2
	50	13,2	15,8	16,6	19,9
40	1	12,3	14,8	15,5	18,6
	5	11,9	14,3	15,0	18,0
	10	11,7	14,1	14,7	17,7
	25	11,5	13,8	14,4	17,3
	50	11,3	13,6	14,2	17,1
50	1	10,5	12,6	13,3	15,9
	5	10,1	12,2	12,8	15,3
	10	10,0	12,0	12,6	15,1
	25	9,7	11,7	12,3	14,7
	50	9,6	11,5	12,1	14,5
60	1	8,9	10,7	11,2	13,5
	5	8,6	10,3	10,8	13,0
	10	8,4	10,1	10,6	12,7
	25	8,2	9,9	10,4	12,4
	50	8,1	9,7	10,2	12,2
70	1	7,5	9,0	9,4	11,3
	5	7,2	8,6	9,1	10,9
	10	7,0	8,5	8,9	10,7
	25	6,9	8,3	8,7	10,4
	50	6,8	8,1	8,5	10,2
80	1	6,2	7,5	7,9	9,5
	5	6,0	7,2	7,5	9,5
	10	5,9	7,0	7,4	8,9
	25	5,7	6,9	7,2	8,6
95	1	4,7	5,6	5,9	7,1
	5	4,4	5,3	5,6	6,7

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

Tubulação composta NIRON CLIMA COOL PRO PP-RCT RA7050 COM PROTEÇÃO UV

Tubo composto PP-RCT RA7050 com proteção externa de dióxido de titânio SDR17/Série 8



Descrição

- Tubo composto PP-RCT RA7050+ FV SDR17/SÉRIE 8
- Camada externa: Capa PP-RCT aditivada com masterbach resistente à radiação UV, cor branco
- Camada interna: PP-RCT RA7050+FV cor cinzenta
- Classe 1/4 bar, classe 2/4 bar, Classe 4/4 bar

Fornecimento:

- Em barras de 5,8 metros

Aplicações



Resistente aos
raios UV

Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
27TNIRCLUV16017	160	9,5	5,8	5,8	-
27TNIRCLUV20017	200	11,9	5,8	5,8	-
27TNIRCLUV25017	250	14,9	5,8	5,8	-
27TNIRCLUV31517	315	18,7	5,8	5,8	-
27TNIRCLUV35517	355	21,1	5,8	5,8	-
27TNIRCLUV40017	400	23,7	5,8	5,8	-

Tubulação composta NIRON CLIMA COOL PRO PP-RCT RA7050 COM PROTEÇÃO UV

Pressão de trabalho tubulação composta PP-RCT SDR17/Série 8

NIRON Composto RP SDR17/Série 8		
Classe	1	4
	2	4
	4	4
	5	-
T máxima fluido (°C)	Anos no exercício contínuo	Presión servicio (bar)
Circuito fechado		
10	1	14,4
	5	14,0
	10	13,8
	25	13,5
	50	13,4
20	1	12,5
	5	12,1
	10	12,0
	25	11,7
	50	11,6
30	1	10,8
	5	10,5
	10	10,3
	25	10,1
	50	10,0
40	1	9,3
	5	9,0
	10	8,8
	25	8,7
	50	8,5
50	1	8,0
	5	7,7
	10	7,5
	25	7,4
	50	7,2
60	1	6,7
	5	6,5
	10	6,4
	25	6,2
	50	6,1
70	1	5,7
	5	5,4
	10	5,3
	25	5,2
	50	5,1

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

Tubulação composta PP-RCT RA7050 NIRON OB BARREIRA DE OXIGÊNIO

Tubulação composta PP-RCT RA7050 con barreira de oxigênio SDR11/Série 5



Descrição

- Tubo composto PP-RCT RA7050+FV SDR11/SÉRIE 5
- Camada externa: Camada EVOH cor azul
- Camada interna: PP-RCT RA7050+FV cor cinza
- Classe 1/6 bar, classe 2/6 bar, Classe 4/6 bar, classe 5/4 bar

Fornecimento:

- Em barras de 4 metros

Aplicações



Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
27TNIRROBFG259*	25 mm	3,5	4	100	2000
27TNIRROBFG329*	32 mm	3,6	4	60	1320
27TNIRROBFG4011	40 mm	3,7	4	40	800
27TNIRROBFG5011	50 mm	4,6	4	20	560
27TNIRROBFG6311	63 mm	5,8	4	16	352
27TNIRROBFG7511	75 mm	6,8	4	12	240
27TNIRROBFG9011	90 mm	8,2	4	8	160
27TNIRROBFG11011	110 mm	10,0	4	8	112

* Descrição

- Tubo composto PP-RCT RA7050+FV SDR9/SÉRIE 4
- Camada externa: Camada EVOH cor azul
- Camada interna: PP-RCT RA7050+FV cor cinza
- Classe 1/8 bar, classe 2/8 bar, Classe 4/8 bar, classe 5/6 bar

Fornecimento:

- Em barras de 4 metros

Ferramenta pelador para tubulação OB

Código	Ø	Uds. Caixa
RATOR25125	25÷125 mm	1

Ferramentas obrigatórias

Os peladores turbo são as ferramentas imprescindíveis para o trabalho preparatório á soldagem da tubulação NIRON OB (barreira oxigênio).

É indispensável, antes de começar a instalação desta gama, solicitar informação e assistência gratuita em atencionalcliente@italsan.com ou ao delegado técnico de Italsan da sua zona.

Ferramenta pelador turbo para tubulação OB

Código	Ø	Uds. Caixa
RATURBO25	25 mm	1
RATURBO32	32 mm	1
RATURBO40	40 mm	1
RATURBO50	50 mm	1
RATURBO63	63 mm	1

Código	Ø	Uds. Caixa
RAT1AOB	75÷180 mm	1

Tubulação composta PP-RCT RA7050 NIRON OB BARREIRA DE OXIGÊNIO

Pressão de trabalho tubulação composta PP-RCT RA7050 SDR11/SÉRIE 5

		NIRON Composto PP-RCT SDR11/Série 5		NIRON Composto PP-RCT SDR9/Série 4	
Classe	1	6	8		
	2	6	8		
	4	6	8		
	5	4	6		
T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado	Circuito aberto	Circuito fechado
10	1	19,0	22,8	24,0	28,8
	5	18,4	22,1	23,2	27,9
	10	18,2	21,9	22,9	27,5
	25	17,9	21,5	22,5	27,1
	50	17,7	21,2	22,2	26,7
20	1	16,6	19,9	20,9	25,0
	5	16,0	19,3	20,2	24,2
	10	15,8	19,0	19,9	23,9
	25	15,5	18,6	19,6	23,5
	50	15,3	18,4	19,0	23,1
30	1	14,3	17,2	18,1	21,7
	5	13,9	16,6	17,4	20,9
	10	13,6	16,4	17,2	20,6
	25	13,4	16,1	16,9	20,2
	50	13,2	15,8	16,6	19,9
40	1	12,3	14,8	15,5	18,6
	5	11,9	14,3	15,0	18,0
	10	11,7	14,1	14,7	17,7
	25	11,5	13,8	14,4	17,3
	50	11,3	13,6	14,2	17,1
50	1	10,5	12,6	13,3	15,9
	5	10,1	12,2	12,8	15,3
	10	10,0	12,0	12,6	15,1
	25	9,7	11,7	12,3	14,7
	50	9,6	11,5	12,1	14,5
60	1	8,9	10,7	11,2	13,5
	5	8,6	10,3	10,8	13,0
	10	8,4	10,1	10,6	12,7
	25	8,2	9,9	10,4	12,4
	50	8,1	9,7	10,2	12,2
70	1	7,5	9,0	9,4	11,3
	5	7,2	8,6	9,1	10,9
	10	7,0	8,5	8,9	10,7
	25	6,9	8,3	8,7	10,4
	50	6,8	8,1	8,5	10,2
80	1	6,2	7,5	7,9	9,5
	5	6,0	7,2	7,5	9,5
	10	5,9	7,0	7,4	8,9
	25	5,7	6,9	7,2	8,6
95	1	4,7	5,6	5,9	7,1
	5	4,4	5,3	5,6	6,7

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

Tubulação Monocamada PP-R NIRON PURPLE para águas recicladas / recuperadas

Tubulação monocamada SDR11/Série 5



Descrição

-Tubo monocamada SDR11/SÉRIE 5
-Classe 1/6 bar, classe 2/4 bar,
Classe 4/6 bar

Fornecimento:

-Em barras de 4 metros

Aplicações



Código	Ø	Espessura (mm)	L (m)	Metros/Saco	Palet (m)
TNIRV20 *	20 mm	2,8	4	100	3000
TNIRV25 *	25 mm	3,5	4	100	2000
TNIRV32	32 mm	2,9	4	60	1320
TNIRV40	40 mm	3,7	4	40	800
TNIRV50	50 mm	4,6	4	20	560
TNIRV63	63 mm	5,8	4	16	352
TNIRV75	75 mm	6,8	4	12	240
TNIRV90	90 mm	8,2	4	8	160
TNIRV110	110 mm	10,0	4	8	112
TNIRV125	125 mm	11,4	4	8	80
TNIRV160	160 mm	14,6	4	4	48

* Descrição

-Tubo monocamada SDR7,4/SÉRIE 3,2
-Classe 1/8 bar, classe 2/6 bar,
Classe 4/10 bar, classe 5/6 bar

Fornecimento:

-Em barras de 4 metros

Tubulação Monocamada PP-R NIRON PURPLE para águas recicladas / recuperadas

Pressão de trabalho tubulação monocamada SDR11/SÉRIE 5

		NIRON Monocamada SDR11/Série 5		NIRON Monocamada SDR7,4/Série 3,2	
Classe	1	6	8		
	2	4	6		
	4	6	10		
	5	-	6		
T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)	Pressão de serviço (bar)
		Circuito aberto	Circuito fechado	Circuito aberto	Circuito fechado
10	1	17,6	21,1	27,8	33,4
	5	16,6	19,9	26,4	31,7
	10	16,1	19,3	25,5	30,6
	25	15,6	18,7	24,7	29,6
	50	15,2	18,2	24,0	28,8
20	1	15,0	18,0	23,8	28,6
	5	14,1	16,9	22,3	26,8
	10	13,7	16,4	21,7	26,0
	25	13,3	16,0	21,1	25,3
	50	12,9	15,5	20,4	24,5
30	1	12,8	15,4	20,2	24,2
	5	12,0	14,4	19,0	22,8
	10	11,6	13,9	18,3	22,0
	25	11,2	13,4	17,7	21,2
	50	10,9	13,1	17,3	20,8
40	1	10,8	13,0	17,1	20,5
	5	10,1	12,1	16,0	19,2
	10	9,8	11,8	15,6	18,7
	25	9,4	11,3	15,0	18,0
	50	9,2	11,0	14,5	17,4
50	1	9,2	11,0	14,5	17,4
	5	8,5	10,2	13,5	16,2
	10	8,2	9,8	13,1	15,7
	25	8,0	9,6	12,6	15,1
	50	7,7	9,2	12,2	14,6
60	1	7,7	9,2	12,2	14,6
	5	7,2	8,6	11,6	13,9
	10	6,9	8,3	11,0	13,2
	25	6,7	8,0	10,5	12,6
	50	6,4	7,7	10,1	12,1
70	1	6,5	7,8	10,3	12,4
	5	6,0	7,2	9,5	11,4
	10	5,9	7,1	9,3	11,2
	25	5,1	6,1	8,0	9,6
	50	4,3	5,2	6,7	8,0

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

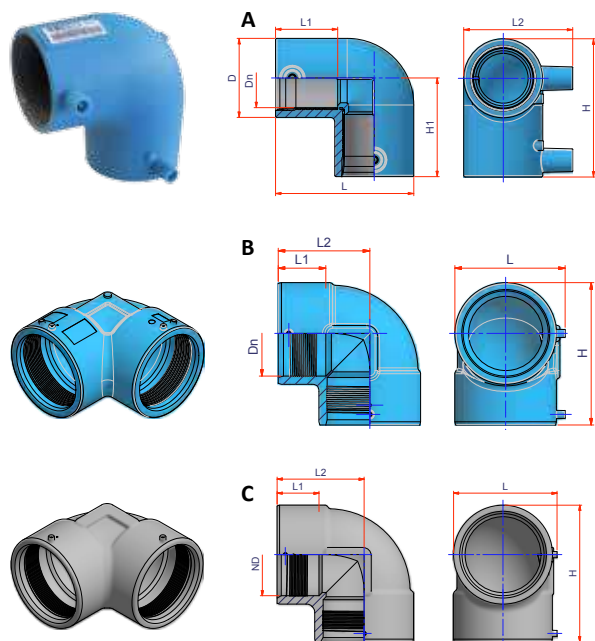
Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78



Acessórios electrossoldáveis

Acessórios PP-R Electrossoldáveis

Joelho 90° SDR11 solda elétrica (classe 1/6, classe 2/6, classe 4/6, classe 5/4)

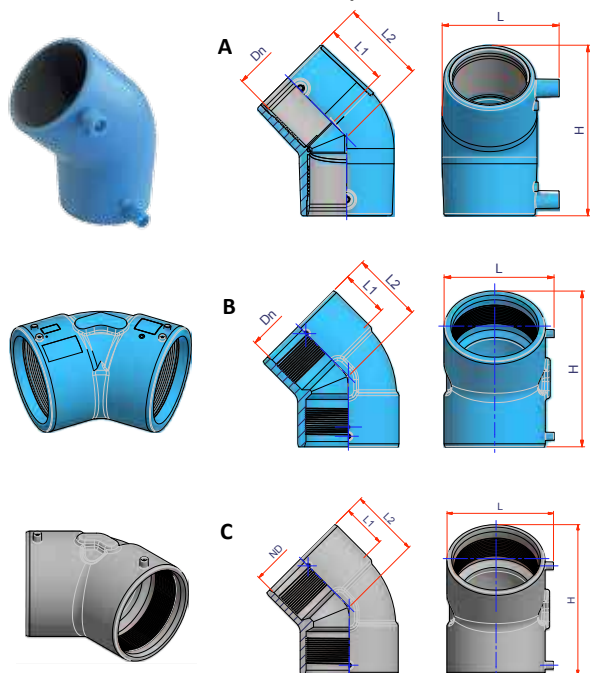


Código	Tipo	Ø	Uds. Caixa	Dn (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NGEM40	A	40 mm	40	40,0	56,0	42,5	75,0	95,0	67,5	95,0
NGEM50	A	50 mm	25	50,0	65,0	48,0	86,0	111,0	77,0	111,0
NGEM63	A	63 mm	15	63,0	78,0	54,0	103,0	130,5	88,0	130,5
NGEM75	A	75 mm	12	75,0	101,0	60,0	116,0	153,0	102,5	153,0
NGEM90	A	90 mm	14	90,0	115,0	70,0	144,0	182,0	122,0	182,0
NGEM110	A	110 mm	10	110,0	139,5	83,0	164,0	210,0	140,5	210,0
NGEM125	A	125 mm	1	125,0	155,0	88,0	182,0	233,0	153,5	233,0
NGE160	B	160 mm	1	160,0	-	90,0	173,0	208,5	269,0	269,0
27NGEM200*	C	200 mm	1	200,0	-	100,0	213,0	253,5	334,0	334,0

* NGEM200 TIPO B em azul ou cinzento em função do stock disponível.

Acessórios PP-R Electrossoldáveis

Joelho 45° SDR11 solda elétrica (classe 1/6, classe 2/6, classe 4/6, classe 5/4)

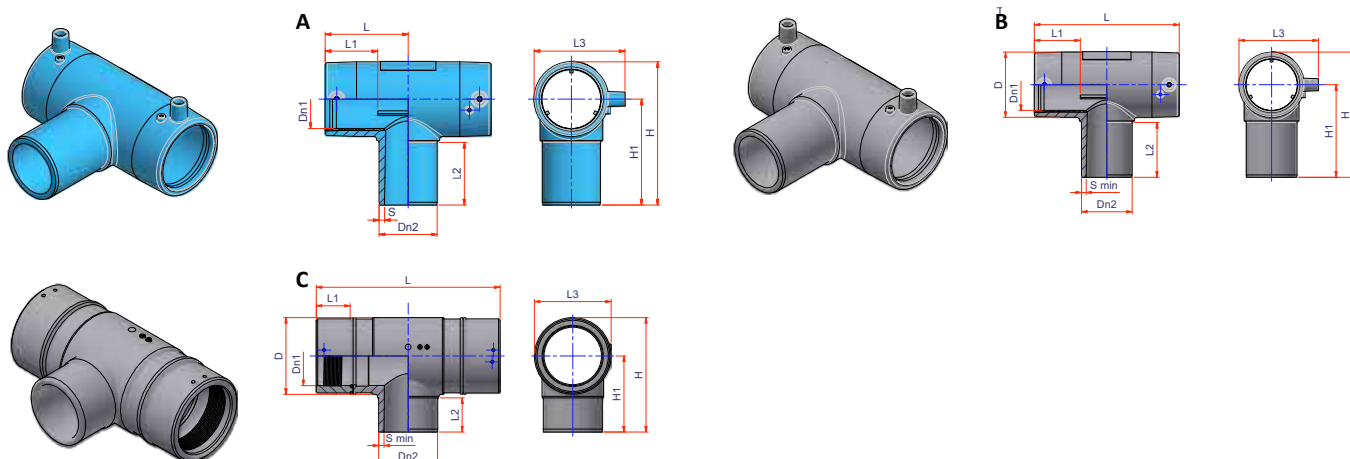


Código	Tipo	Ø	Uds. Caixa	Dn (mm)	L1 (mm)	L2 (mm)	L (mm)	H (mm)
NCEM40	A	40 mm	40	40,0	42,0	52,0	74,5	109,0
NCEM50	A	50 mm	30	50,0	47,0	63,0	85,0	126,0
NCEM63	A	63 mm	20	63,0	54,0	68,0	100,0	146,0
NCEM75	A	75 mm	14	75,0	60,0	81,0	112,5	169,0
NCEM90	A	90 mm	15	90,0	67,0	97,0	132,0	219,0
NCEM110	A	110 mm	12	110,0	81,0	107,0	152,0	249,0
NCEM125	A	125 mm	1	125,0	88,0	123,0	180,0	262,0
NCE160	B	160 mm	1	160,0	90,0	134,0	208,5	296,0
27NCEM200*	C	200 mm	1	200,0	97,5	167,0	250,5	368,0

* NCEM200 TIPO B em azul ou cinzento em função do stock disponível.

Acessórios PP-R Electrossoldáveis

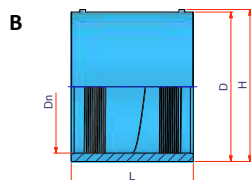
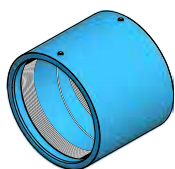
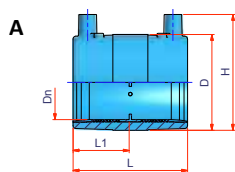
Tê fêmea/macho/fêmea SDR11 solda elétrica (classe 1/6, classe 2/6, classe 4/6, classe 5/4)



Código	Tipo	Ø	Uds. Caixa	Dn1-Dn2 (mm)	S (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L (mm)	H1 (mm)	H (mm)
NTCE040	A	40 mm	12	40,0	3,7	44,0	54,0	74,0	66,5	84,0	111,0
NTCE050	A	50 mm	15	50,0	4,6	46,5	61,0	85,0	76,5	100,0	133,5
NTCE063	A	63 mm	10	63,0	5,8	57,0	68,0	99,0	90,0	115,0	156,0
NTCE075	A	75 mm	6	75,0	6,8	58,0	72,0	112,0	98,0	130,0	178,0
NTCE090	A	90 mm	10	90,0	8,2	70,0	84,0	139,5	122,0	150,0	209,0
NTCE110	A	110 mm	1	110,0	10,0	83,0	88,5	156,5	144,0	177,0	247,0
27NTCE125	B	125 mm	5	125,0	11,4	88,0	94,0	174,0	157,5	191,5	270,0
NTCE160	A	160 mm	1	160,0	14,6	87,0	105,0	201,5	151,0	208,0	303,0
27NTCE200	C	200 mm	1	200,0	18,3	114,8	116,0	260,0	311,5	258,0	337,8

Acessórios PP-R Electrossoldáveis

União SDR11 solda elétrica (classe 1/6, classe 2/6, classe 4/6, classe 5/4)

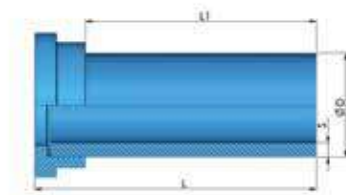


Código	Tipo	Ø	Uds. Caixa	Dn (mm)	L1 (mm)	L (mm)	H (mm)	D (mm)
NME20	A	20 mm	100	20,0	34,0	70,0	52,0	33,0
NME25	A	25 mm	30	25,0	34,0	70,0	58,0	38,5
NME32	A	32 mm	80	32,0	34,0	70,0	65,0	45,5
NME40	A	40 mm	30	40,0	41,0	85,0	75,0	55,0
NME50	A	50 mm	40	50,0	42,5	88,0	87,0	68,0
NME63	A	63 mm	30	63,0	47,5	98,0	100,0	82,0
NME75	A	75 mm	24	75,0	61,0	125,0	114,0	98,0
NME90	A	90 mm	30	90,0	72,0	146,0	130,0	113,0
NME110	A	110 mm	22	110,0	77,0	155,0	144,0	136,0
NME125	A	125 mm	16	125,0	82,0	166,0	167,0	156,5
NME160	A	160 mm	1	160,0	86,5	175,0	201,5	190,0
NME200	A	200 mm	1	200,0	91,5	185,0	243,0	232,0
NME250	A	250 mm	1	250,0	106,0	212,0	300,0	296,0
NME315	B	315 mm	1	315,0	-	300,0	398,0	396,0

Cor dentro da união em azul/cinza de acordo com a fabricação.

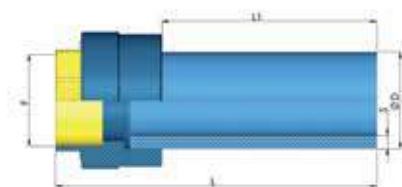
Acessórios PP-R Electrossoldáveis

Aro soldar fêmea com o'ring para accesorio electrossoldáveis



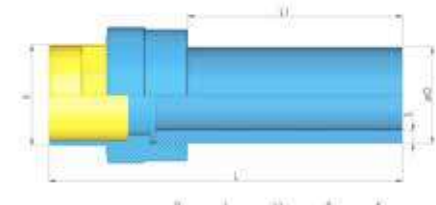
Código	Ø	Uds. Caixa	Dn (mm)	L (mm)	L1 (mm)	S (mm)
NCOSA40MAN	40 mm	1	40,0	230,0	200,0	5,5
NCOSA50MAN	50 mm	1	50,0	234,0	200,0	6,9
NCOSA63MAN	63 mm	1	63,0	238,0	200,0	8,7
NCOSA75MAN	75 mm	1	75,0	242,0	200,0	10,4
NCOSA90MAN	90 mm	1	90,0	246,0	200,0	12,5
NCOSA110MAN	110 mm	1	110,0	257,0	200,0	15,2
NCOSA125MAN	125 mm	1	125,0	262,5	200,0	17,1

União macho rosca fêmea manipulada união socket o acessório elétrico



Código	Ø	Uds. Caixa	D (mm)	L2 (mm)	L1 (mm)	S (mm)	F
NRFF40114MAN	40 mm	1	40,0	269,0	200,0	5,5	1¼"
NRFF50112MAN	50 mm	1	50,0	255,0	200,0	6,9	1½"
NRFF632MAN	63 mm	1	63,0	265,0	200,0	8,7	2"
NRFF75212MAN	75 mm	1	75,0	289,0	200,0	10,4	2½"
NRFF903MAN	90 mm	1	90,0	299,0	200,0	12,5	3"
NRFF1104MAN	110 mm	1	110,0	311,0	200,0	15,2	4"
NRFF1254MAN	125 mm	1	125,0	315,5	200,0	17,1	4"

União macho rosca macho manipulada união socket o acessório elétrico



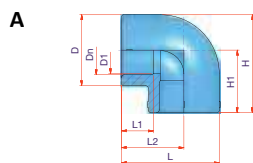
Código	Ø	Uds. Caixa	D (mm)	L2 (mm)	L1 (mm)	S (mm)	F
NRFM40114MAN	40 mm	1	40,0	291,0	200,0	5,5	1¼"
NRFM50112MAN	50 mm	1	50,0	293,0	200,0	6,9	1½"
NRFM632MAN	63 mm	1	63,0	305,0	200,0	8,7	2"
NRFM75212MAN	75 mm	1	75,0	312,0	200,0	10,4	2½"
NRFM903MAN	90 mm	1	90,0	329,0	200,0	12,5	3"
NRFM1104MAN	110 mm	1	110,0	348,0	200,0	15,2	4"
NRFM1254MAN	125 mm	1	125,0	352,5	200,0	17,1	4"



Acessórios termofusão

Acessórios termofusão

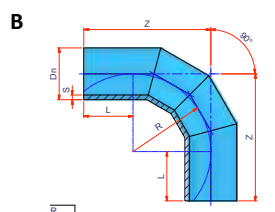
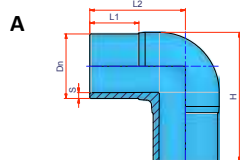
Joelho 90° união socket



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NG16 *	A	16 mm	150	16,0	15,0	25,0	13,0	24,0	36,0	24,0	36,0
NG20	A	20 mm	200	20,0	16,5	29,0	16,0	27,0	41,5	27,0	41,5
NG25	A	25 mm	100	25,0	23,5	35,5	16,0	31,0	49,0	31,0	49,0
NG32	A	32 mm	60	32,0	30,0	46,0	20,0	37,0	60,0	37,0	60,0
NG40	A	40 mm	100	40,0	36,0	56,0	22,0	43,0	71,0	43,0	71,0
NG50	A	50 mm	50	50,0	46,0	70,0	25,0	51,0	86,0	51,0	86,0
NG63	A	63 mm	25	63,0	59,0	88,0	29,0	62,0	106,0	62,0	106,0
NG75	A	75 mm	15	75,0	70,0	101,0	33,0	73,0	123,5	73,0	123,5
NG90	A	90 mm	10	90,0	86,0	123,0	37,0	85,0	144,0	85,0	144,0
NG110	A	110 mm	4	110,0	100,0	146,0	43,0	100,0	173,0	100,0	173,0
NG125	A	125 mm	4	125,0	113,0	165,0	47,5	125,0	207,5	125,0	207,5

* Até final das existências.

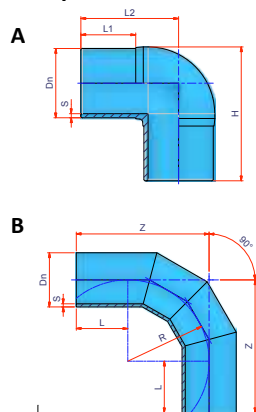
Joelho 90° - SDR11 soldadura topo-a-topo o acessório elétrico



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	S (mm)	L1 (mm)	L2 (mm)	H (mm)	L (mm)	Z (mm)	R (mm)
NG9011160MM	A	160 mm	1	160,0	14,6	101,0	210,0	293,5	-	-	-
NG9011200MM	A	200 mm	1	200,0	18,2	116,0	250,0	354,0	-	-	-
NG9011250MM	A	250 mm	1	250,0	22,7	135,0	305,0	435,0	-	-	-
NG9011315MMB	B	315 mm	1	315,0	28,6	-	-	-	300,0	773,0	473,0
NG9011355MMB	B	355 mm	1	355,0	32,2	-	-	-	300,0	833,0	533,0
NG9011400MMB	B	400 mm	1	400,0	36,3	-	-	-	300,0	900,0	600,0
NG9011450MMB	B	450 mm	1	450,0	40,9	-	-	-	300,0	975,0	675,0

Acessórios termofusão

Joelho 90° - SDR17 soldadura topo-a-topo o acessório elétrico



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	S (mm)	L1 (mm)	L2 (mm)	H (mm)	L (mm)	Z (mm)	R (mm)
NG9017160MM	A	160 mm	1	160,0	9,5	101,0	210,0	293,5	-	-	-
NG9017200MM	A	200 mm	1	200,0	11,9	116,0	250,0	354,0	-	-	-
NG9017250MM	A	250 mm	1	250,0	14,8	135,0	305,0	435,0	-	-	-
NG9017315MMB	B	315 mm	1	315,0	18,7	-	-	-	300,0	773,0	473,0
NG9017355MMB	B	355 mm	1	355,0	21,1	-	-	-	300,0	833,0	533,0
NG9017400MMB	B	400 mm	1	400,0	23,7	-	-	-	300,0	900,0	600,0
NG9017450MMB	B	450 mm	1	450,0	26,7	-	-	-	300,0	975,0	675,0
NG9017500MMB	B	500 mm	1	500,0	29,7	-	-	-	350,0	1100,0	750,0
NG9017560MMB	B	560 mm	1	560,0	33,2	-	-	-	350,0	1190,0	840,0
NG9017630MMB	B	630 mm	1	630,0	37,4	-	-	-	350,0	1295,0	945,0

Joelho 60° segmentado soldadura topo-a-topo o acessório elétrico

**Disponível
MEDIANTE
SOLICITAÇÃO**

SDR	Diâmetro do tubo (mm)								
	90	110	125	160	200	250	315	355	400
SDR7,4	✓	✓	✓	✓	-	-	-	-	-
SDR9	✓	✓	✓	✓	✓	✓	✓	✓	-
SDR11	✓	✓	✓	✓	✓	✓	✓	✓	✓
SDR17	-	-	-	✓	✓	✓	✓	✓	✓

Referências disponíveis mediante solicitação.

Joelho 30° segmentado soldadura topo-a-topo o acessório elétrico

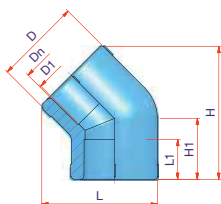
**Disponível
MEDIANTE
SOLICITAÇÃO**

SDR	Diâmetro do tubo (mm)								
	90	110	125	160	200	250	315	355	400
SDR7,4	✓	✓	✓	✓	-	-	-	-	-
SDR9	✓	✓	✓	✓	✓	✓	✓	✓	-
SDR11	✓	✓	✓	✓	✓	✓	✓	✓	✓
SDR17	-	-	-	✓	✓	✓	✓	✓	✓

Referências disponíveis mediante solicitação.

Acessórios termofusão

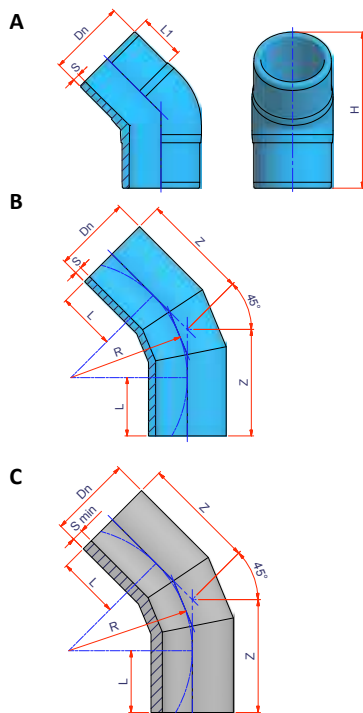
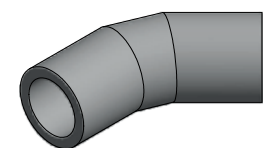
Joelho 45° união socket



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D (mm)	L1 (mm)	L (mm)	H1 (mm)	H (mm)
NC4516 *	16 mm	150	16,0	15,0	25,0	13,0	33,0	16,5	37,0
NC4520	20 mm	200	20,0	16,5	29,0	16,0	33,0	21,5	46,0
NC4525	25 mm	150	25,0	23,5	34,0	16,0	46,0	24,5	53,5
NC4532	32 mm	40	32,0	30,0	42,0	20,0	56,0	29,0	64,0
NC4540	40 mm	140	40,0	36,0	53,0	22,0	67,0	32,0	72,5
NC4550	50 mm	70	50,0	47,5	66,0	25,0	83,5	39,5	90,0
NC4563	63 mm	35	63,0	60,0	83,0	29,0	102,0	45,0	105,0
NC4575	75 mm	16	75,0	70,0	99,0	33,0	129,5	65,0	145,0
NC4590	90 mm	12	90,0	86,0	123,5	37,0	145,0	57,0	140,0
NC45110	110 mm	6	110,0	100,0	146,0	43,0	172,5	70,0	169,5
NC45125	125 mm	4	125,0	113,0	165,0	47,5	194,0	78,0	189,5

* Até final das existências.

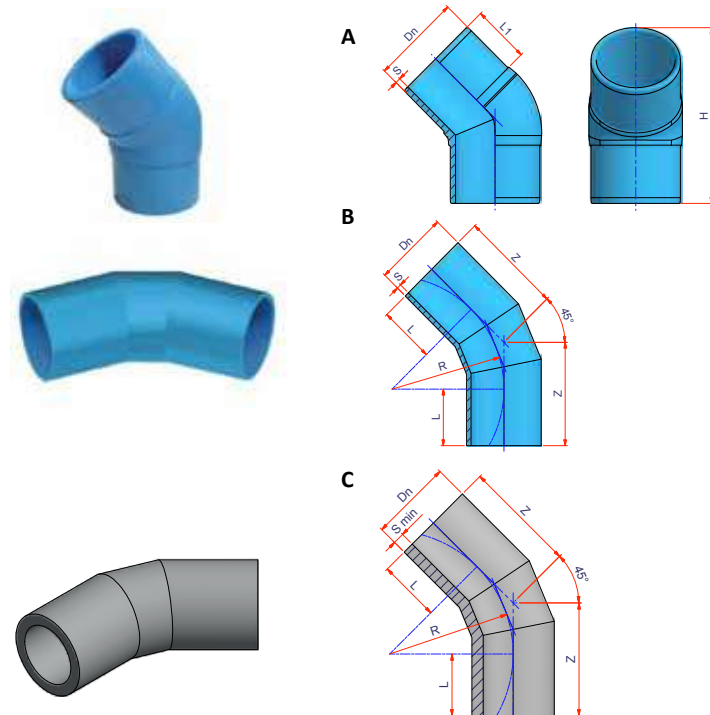
Joelho 45° - SDR11 soldadura topo-a-topo o acessório elétrico



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	S (mm)	L1 (mm)	H (mm)	L (mm)	Z (mm)	R (mm)
NC4511160MM	A	160 mm	1	160,0	14,6	103,0	311,0	-	-	-
NC4511200MM	A	200 mm	1	200,0	18,2	117,0	402,0	-	-	-
NC4511250MMB	B	250 mm	1	250,0	22,7	250,0	462,0	-	-	-
NC4511315MMB	B	315 mm	1	315,0	28,6	-	-	300,0	498,0	473,0
NC4511355MMB	B	355 mm	1	355,0	32,5	-	-	300,0	520,0	533,0
NC4511400MMB	B	400 mm	1	400,0	36,3	-	-	300,0	548,0	600,0
27NC4511450MMB	C	450 mm	1	450,0	40,9	-	-	300,0	580,0	675,0

Acessórios termofusão

Joelho 45° - SDR17 soldadura topo-a-topo o acessório elétrico



Código	Tipo	Ø	Uds, Caixa	Dn (mm)	S (mm)	L1 (mm)	H (mm)	L (mm)	Z (mm)	R (mm)
NC4517160MM	A	160 mm	1	160,0	9,5	103,0	311,0	-	-	-
NC4517200MM	A	200 mm	1	200,0	11,9	117,0	402,0	-	-	-
NC4517250MM	A	250 mm	1	250,0	14,8	135,0	462,0	-	-	-
NC4517315MMB	B	315 mm	1	315,0	18,7	-	-	300,0	498,0	473,0
NC4517355MMB	B	355 mm	1	355,0	21,1	-	-	300,0	520,0	533,0
NC4517400MMB	B	400 mm	1	400,0	23,7	-	-	300,0	548,0	600,0
27NC4517450MMB	C	450 mm	1	450,0	26,7	-	-	300,0	580,0	675,0
27NC4517500MMB	C	500 mm	1	500,0	29,7	-	-	350,0	665,0	750,0
27NC4517560MMB	C	560 mm	1	560,0	33,2	-	-	350,0	698,0	840,0
27NC4517630MMB	C	630 mm	1	630,0	37,4	-	-	350,0	741,0	945,0

União simples socket

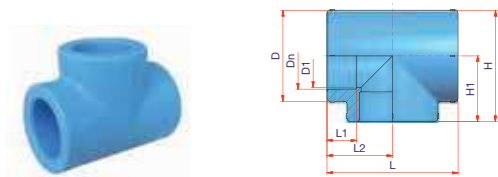


Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D (mm)	L1 (mm)	L (mm)
NMAN16 *	16 mm	150	16,0	15,0	24,5	16,0	34,0
NMAN20	20 mm	200	20,0	18,0	29,0	17,0	35,0
NMAN25	25 mm	150	25,0	20,0	35,0	18,0	39,0
NMAN32	32 mm	40	32,0	30,0	46,0	20,0	43,0
NMAN40	40 mm	160	40,0	37,0	56,0	22,0	48,0
NMAN50	50 mm	90	50,0	47,0	70,0	25,0	54,0
NMAN63	63 mm	50	63,0	60,0	88,0	29,0	62,0
NMAN75	75 mm	35	75,0	70,0	101,0	33,0	71,0
NMAN90	90 mm	24	90,0	87,5	114,5	37,0	77,0
NMAN110	110 mm	12	110,0	106,0	151,0	43,0	92,0
NMAN125	125 mm	4	125,0	117,0	160,0	47,5	102,0

* Até final das existências.

Acessórios termofusão

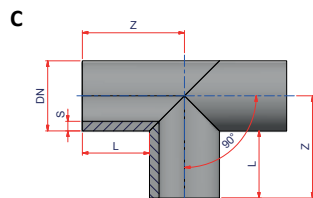
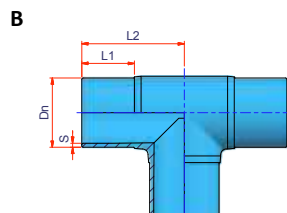
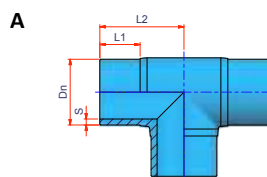
Tê união socket



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NT16 *	16 mm	100	16,0	13,0	24,0	14,5	23,5	47,0	23,5	35,5
NT20	20 mm	150	20,0	18,0	33,0	16,0	27,0	54,0	27,0	43,5
NT25	25 mm	80	25,0	21,0	35,0	17,0	31,5	63,0	31,5	49,0
NT32	32 mm	40	32,0	30,0	46,0	20,0	37,0	74,0	37,0	60,0
NT40	40 mm	30	40,0	36,0	56,0	22,0	43,0	86,0	43,0	71,0
NT50	50 mm	35	50,0	46,0	70,0	25,0	51,0	102,0	51,0	86,0
NT63	63 mm	24	63,0	59,0	88,0	29,0	62,0	124,0	62,0	106,0
NT75	75 mm	16	75,0	70,0	101,0	33,0	73,0	146,0	73,0	123,5
NT90	90 mm	8	90,0	88,0	123,0	37,0	85,0	170,0	85,0	144,0
NT110	110 mm	4	110,0	100,0	146,0	43,0	100,0	200,0	100,0	173,0
NT125	125 mm	3	125,0	113,0	165,0	47,5	125,0	250,0	125,0	207,5

* Até final das existências.

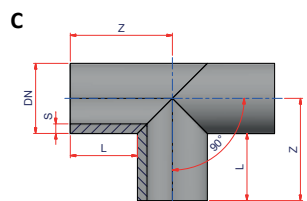
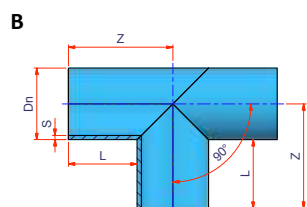
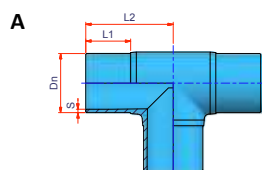
Tê - SDR11 soldadura topo-a-topo o acessório elétrico



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	S (mm)	L1 (mm)	L2 (mm)	L (mm)	Z (mm)
NT11160MM	A	160 mm	1	160,0	14,6	103,0	210,0	-	-
NT11200MM	A	200 mm	1	200,0	18,2	117,0	250,0	-	-
NT11250MMB	B	250 mm	1	250,0	22,7	-	-	250,0	375,0
NT11315MMB	B	315 mm	1	315,0	28,6	-	-	300,0	460,0
NT11355MMB	B	355 mm	1	355,0	32,2	-	-	300,0	480,0
NT11400MMB	B	400 mm	1	400,0	36,3	-	-	300,0	500,0
27NT11450MMB	C	450 mm	1	450,0	40,9	-	-	300,0	525,0

Acessórios termofusão

Tê - SDR17 soldadura topo-a-topo o acessório elétrico



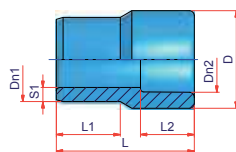
Código	Tipo	Ø	Uds, Caixa	Dn (mm)	S (mm)	L1 (mm)	L2 (mm)	L (mm)	Z (mm)
NT17160MM	A	160 mm	1	160,0	9,5	103,0	210,0	-	-
NT17200MM	A	200 mm	1	200,0	11,9	117,0	250,0	-	-
NT17250MM	A	250 mm	1	250,0	14,8	135,0	305,0	-	-
NT17315MMB	B	315 mm	1	315,0	18,7	-	-	300,0	460,0
NT17355MMB	B	355 mm	1	355,0	21,1	-	-	300,0	480,0
NT17400MMB	B	400 mm	1	400,0	23,7	-	-	300,0	500,0
27NT17450MMB	C	450 mm	1	450,0	26,7	-	-	300,0	525,0
27NT17500MMB	C	500 mm	1	500,0	29,7	-	-	350,0	600,0
27NT17560MMB	C	560 mm	1	560,0	33,2	-	-	350,0	630,0
27NT17630MMB	C	630 mm	1	630,0	37,4	-	-	350,0	665,0

Acessórios termofusão

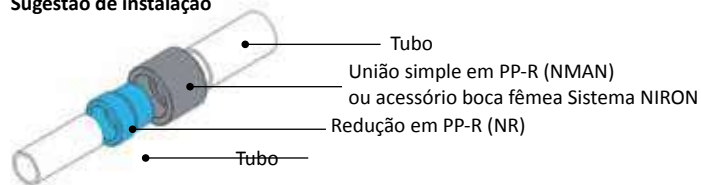
Redução macho/fêmea união socket



A



Sugestão de instalação

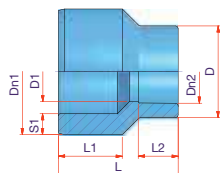


Código	Tipo	Ø	Uds. Caixa	Dn1 (mm)	S1 (mm)	Dn2 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)
NR2016 *	A	20/16 mm	150	20,0	3,4	16,0	24,0	16,0	18,0	37,0
NR2516 *	A	25/16 mm	100	25,0	4,2	16,0	26,0	19,0	18,0	39,0
NR2520	A	25/20 mm	100	25,0	4,2	20,0	29,0	19,0	16,0	41,0
NR3225	A	32/25 mm	80	32,0	5,4	25,0	35,0	22,0	17,0	44,0
NR4032	A	40/32 mm	40	40,0	6,7	32,0	46,0	25,0	20,0	50,0
NR5040	A	50/40 mm	40	50,0	8,3	40,0	56,0	28,0	22,0	55,0
NR6350	A	63/50 mm	20	63,0	10,5	50,0	70,0	32,0	25,0	54,0
NR7563	A	75/63 mm	12	75,0	12,5	63,0	83,0	36,0	29,0	74,0
NR9075	A	90/75 mm	18	90,0	15,0	75,0	96,0	37,0	34,0	80,0
NR11090	A	110/90 mm	6	110,0	18,3	90,0	130,0	55,0	35,0	110,0
NR125110	A	125/110 mm	4	125,0	20,8	110,0	139,0	50,0	43,0	114,0

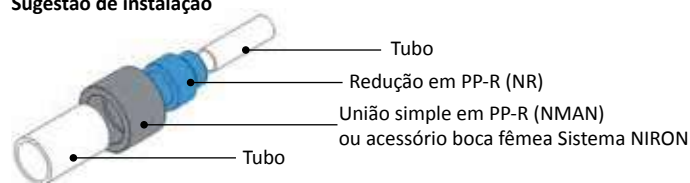
* Até final das existências.



B



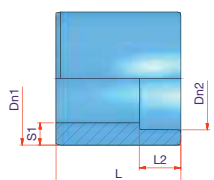
Sugestão de instalação



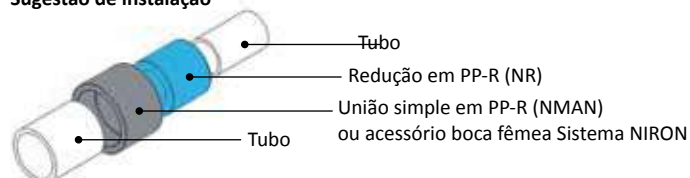
Código	Tipo	Ø	Uds. Caixa	Dn1 (mm)	S1 (mm)	Dn2 (mm)	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)
NR3220	B	32/20 mm	80	32,0	5,4	20,0	16,0	29,0	20,0	16,0	45,0
NR4020	B	40/20 mm	60	40,0	6,7	20,0	16,0	29,0	25,0	16,0	45,0
NR4025	B	40/25 mm	60	40,0	6,7	25,0	21,0	35,0	25,0	17,0	45,0
NR5020	B	50/20 mm	50	50,0	8,3	20,0	16,0	29,0	28,0	16,0	53,0
NR5025	B	50/25 mm	40	50,0	8,3	25,0	21,0	35,0	28,0	17,0	53,0
NR5032	B	50/32 mm	30	63,0	8,3	32,0	30,0	46,0	28,0	20,0	53,0
NR6325	B	63/25 mm	30	63,0	10,5	25,0	21,0	35,0	32,0	17,0	60,0
NR6332	B	63/32 mm	20	63,0	10,5	32,0	30,0	46,0	32,0	20,0	60,0
NR6340	B	63/40 mm	25	63,0	10,5	40,0	37,0	56,0	32,0	22,0	60,0
NR7520	B	75/20 mm	16	75,0	12,5	20,0	20,0	26,5	35,0	5,0	62,0
NR7525	B	75/25 mm	20	75,0	12,5	25,0	25,0	33,0	34,0	9,0	62,0
NR7532	B	75/32 mm	20	75,0	12,5	32,0	32,0	43,0	35,0	12,0	62,0
NR7540	B	75/40 mm	18	75,0	12,5	40,0	40,0	43,0	35,0	25,0	62,0
NR7550	B	75/50 mm	20	75,0	12,5	50,0	50,0	66,0	34,0	20,0	59,0
NR11063	B	110/63 mm	25	110,0	18,3	63,0	59,0	88,0	46,0	29,0	80,0



C



Sugestão de instalação



Código	Tipo	Ø	Uds. Caixa	Dn1 (mm)	S1 (mm)	Dn2 (mm)	L2 (mm)	L (mm)
NR9063	C	90/63 mm	6	90,0	15,0	63,0	29,0	81,0
NR11075	C	110/75 mm	25	110,0	20,8	75,0	32,0	80,0
NR12590	C	125/90 mm	8	125,0	20,8	90,0	37,0	104,0
NR160110	C	160/110 mm	1	160,0	26,6	110,0	43,0	143,0
NR160125	C	160/125 mm	1	160,0	26,6	125,0	50,0	150,0

Acessórios termofusão

Reduções NIRON

Redução macho/fêmea união socket TIPO A

Redução	Lado macho		Lado fêmea	
NR2016	20 mm	ESTREITO	16 mm	LARGURA
NR2516	25 mm	ESTREITO	16 mm	LARGURA
NR2520	25 mm	ESTREITO	20 mm	LARGURA
NR3225	32 mm	ESTREITO	25 mm	LARGURA
NR4032	40 mm	ESTREITO	32 mm	LARGURA
NR5040	50 mm	ESTREITO	40 mm	LARGURA
NR6350	63 mm	ESTREITO	50 mm	LARGURA
NR7563	75 mm	ESTREITO	63 mm	LARGURA
NR9075	90 mm	ESTREITO	75 mm	LARGURA
NR11090	110 mm	ESTREITO	90 mm	LARGURA
NR125110	125 mm	ESTREITO	110 mm	LARGURA

Redução macho/fêmea união socket TIPO B

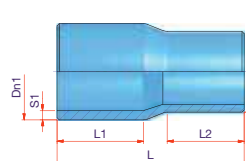
Redução	Lado macho		Lado fêmea	
NR3220	32 mm	LARGURA	20 mm	ESTREITO
NR4020	40 mm	LARGURA	20 mm	ESTREITO
NR4025	40 mm	LARGURA	25 mm	ESTREITO
NR5020	50 mm	LARGURA	20 mm	ESTREITO
NR5025	50 mm	LARGURA	25 mm	ESTREITO
NR5032	50 mm	LARGURA	32 mm	ESTREITO
NR6325	63 mm	LARGURA	25 mm	ESTREITO
NR6332	63 mm	LARGURA	32 mm	ESTREITO
NR6340	63 mm	LARGURA	40 mm	ESTREITO
NR7520	75 mm	LARGURA	20 mm	ESTREITO
NR7525	75 mm	LARGURA	25 mm	ESTREITO
NR7532	75 mm	LARGURA	32 mm	ESTREITO
NR7540	75 mm	LARGURA	40 mm	ESTREITO
NR7550	75 mm	LARGURA	50 mm	ESTREITO
NR11063	110 mm	LARGURA	63 mm	ESTREITO

Redução TIPO C

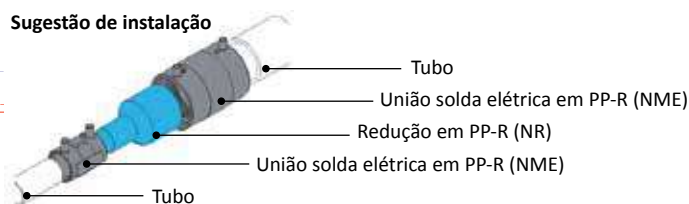
Redução	Lado macho		Lado fêmea	
NR9063	90 mm	LARGURA	63 mm	ESTREITO
NR11075	110 mm	LARGURA	75 mm	ESTREITO
NR12590	125 mm	LARGURA	90 mm	ESTREITO
NR160110	160 mm	LARGURA	110 mm	ESTREITO
NR160125	160 mm	LARGURA	160 mm	ESTREITO

Acessórios termofusão

Redução SDR11 macho/macho soldadura topo-a-topo o acessório elétrico



Sugestão de instalação



Código	Ø	Uds. Caixa	Dn1 (mm)	S1 (mm)	Dn2 (mm)	S2 (mm)	L1 (mm)	L2 (mm)	L (mm)
NR754011MM	75/40 mm	16	75,0	6,8	40,0	3,7	65,0	48,0	143,0
NR755011MM	75/50 mm	16	75,0	6,8	50,0	4,6	65,0	48,0	141,0
NR756311MM	75/63 mm	12	75,0	6,8	63,0	5,8	71,0	64,0	150,0
NR905011MM	90/50 mm	12	90,0	8,2	50,0	4,6	73,0	57,0	152,0
NR906311MM	90/63 mm	12	90,0	8,2	63,0	5,8	71,0	57,0	150,0
NR907511MM	90/75 mm	8	90,0	8,2	75,0	6,8	81,0	72,0	175,0
NR1106311MM	110/63 mm	6	110,0	10,0	63,0	5,8	85,0	70,0	175,0
NR1107511MM	110/75 mm	6	110,0	10,0	75,0	6,8	88,0	58,0	185,0
NR1109011MM	110/90 mm	6	110,0	10,0	90,0	8,2	78,0	70,0	175,0
NR1257511MM	125/75 mm	3	125,0	11,4	75,0	6,8	92,0	60,0	199,0
NR1259011MM	125/90 mm	4	125,0	11,4	90,0	8,2	86,0	70,0	186,0
NR12511011MM	125/110 mm	20	125,0	11,4	110,0	10,0	89,0	77,0	187,0
NR1609011MM	160/90 mm	12	160,0	14,6	90,0	8,2	108,0	90,0	230,0
NR16011011MM	160/110 mm	1	160,0	14,6	110,0	10,0	103,0	88,0	315,0
NR16012511MM	160/125 mm	1	160,0	14,6	125,0	11,4	102,0	91,0	214,0
NR20016011MM	200/160 mm	1	200,0	18,2	160,0	14,5	118,0	101,0	240,0

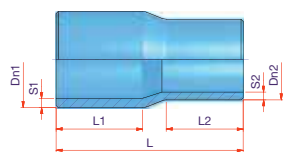
Redução SDR11 macho/macho soldadura topo-a-topo



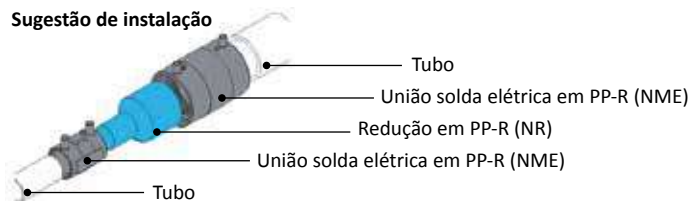
Código	Ø	Uds. Caixa	Dn1 (mm)	S1 (mm)	Dn2 (mm)	S2 (mm)	L1 (mm)	L2 (mm)	L (mm)
27NRCC25016011MM	250/160 mm	1	250,0	14,9	160,0	9,5	51,5	17,0	80,0
27NRCC25020011MM	250/200 mm	1	250,0	14,9	200,0	11,9	52,5	15,0	80,0
27NRCC31516011MM	315/160 mm	1	315,0	18,7	160,0	9,5	52,0	18,0	80,0
27NRCC31520011MM	315/200 mm	1	315,0	18,7	200,0	11,9	55,0	15,0	80,0
27NRCC31525011MM	315/250 mm	1	315,0	18,7	250,0	14,8	50,0	20,0	80,0
27NRCC35520011MM	355/200 mm	1	355,0	21,1	200,0	11,9	-	-	-
27NRCC35525011MM	355/250 mm	1	355,0	21,1	250,0	14,8	50,0	20,0	80,0
27NRCC35531511MM	355/315 mm	1	355,0	21,1	315,0	18,7	50,0	20,0	80,0
27NRCC40025011MM	400/250 mm	1	400,0	23,7	250,0	14,8	55,0	15,0	80,0
27NRCC40031511MM	400/315 mm	1	400,0	23,7	315,0	18,7	55,0	15,0	80,0
27NRCC40035511MM	400/355 mm	1	400,0	23,7	355,0	21,1	52,5	17,5	80,0
27NRCC45031511MM	450/315 mm	1	450,0	26,7	315,0	18,7	-	-	-
27NRCC45035511MM	450/355 mm	1	450,0	26,7	355,0	21,1	-	-	-
27NRCC45040011MM	450/400 mm	1	450,0	26,7	400,0	23,7	-	-	-
27NRCC50035511MM	500/355 mm	1	500,0	29,6	355,0	21,1	68,0	22,0	100,0
27NRCC50040011MM	500/400 mm	1	500,0	29,6	400,0	23,7	68,0	22,0	100,0
27NRCC50045011MM	500/450 mm	1	500,0	29,6	450,0	26,7	-	-	-

Acessórios termofusão

Redução SDR17 macho/macho soldadura topo-a-topo o acessório elétrico



Sugestão de instalação



Código	Ø	Uds. Caixa	Dn1 (mm)	S1 (mm)	Dn2 (mm)	S2 (mm)	L1 (mm)	L2 (mm)	L (mm)
NR16011017MM	160/110 mm	1	160,0	9,5	110,0	6,6	103,0	88,0	215,0
NR16012517MM	160/125 mm	1	160,0	9,5	125,0	7,4	120,0	91,0	214,0
NR20016017MM	200/160 mm	1	200,0	11,9	160,0	9,5	118,0	101,0	240,0

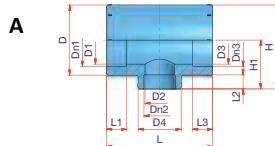
Redução curta SDR11 macho/macho soldadura topo-a-topo



Código	Ø	Uds. Caixa	Dn1 (mm)	S1 (mm)	Dn2 (mm)	S2 (mm)	L1 (mm)	L2 (mm)	L (mm)
27NRCC40025017MM	400/250 mm	1	400,0	23,7	250,0	14,8	55,0	15,0	80,0
27NRCC40031517MM	400/315 mm	1	400,0	23,7	315,0	18,7	55,0	15,0	80,0
27NRCC40035517MM	400/355 mm	1	400,0	23,7	355,0	21,1	52,5	17,5	80,0
27NRCC45031517MM	450/315 mm	1	450,0	26,7	315,0	18,7	-	-	-
27NRCC45035517MM	450/355 mm	1	450,0	26,7	355,0	21,1	-	-	-
27NRCC45040017MM	450/400 mm	1	450,0	26,7	400,0	23,7	-	-	-
27NRCC50035517MM	500/355 mm	1	500,0	29,6	355,0	21,1	68,0	22,0	100,0
27NRCC50040017MM	500/400 mm	1	500,0	29,6	400,0	23,7	68,0	22,0	100,0
27NRCC50045017MM	500/450 mm	1	500,0	29,6	450,0	26,7	-	-	-
27NRCC56040017MM	560/400 mm	1	560,0	33,2	400,0	23,7	-	-	-
27NRCC56045017MM	560/450 mm	1	560,0	33,2	450,0	26,7	-	-	-
27NRCC56050017MM	560/500 mm	1	560,0	33,2	500,0	29,6	70,0	20,0	100,0
27NRCC63045017MM	630/450 mm	1	630,0	37,4	450,0	26,7	-	-	-
27NRCC63050017MM	630/500 mm	1	630,0	37,4	500,0	29,6	83,0	27,0	120,0
27NRCC63056017MM	630/560 mm	1	630,0	37,4	560,0	33,2	-	-	-

Acessórios termofusão

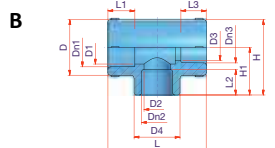
Tê redução união socket



Código	Tipo	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	Dn3 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	D (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L (mm)	H1 (mm)	H (mm)
NTR162016 *	A	16 x 20 x 16 mm	150	16,0	20,0	16,0	13,5	14,0	13,5	29,0	29,0	14,0	16,0	14,0	53,0	27,0	42,0
NTR201620 *	A	20 x 16 x 20 mm	150	20,0	16,0	20,0	16,5	13,5	16,5	29,0	29,0	16,0	14,0	16,0	53,0	27,0	42,0
NTR251625 *	A	25 x 16 x 25 mm	80	25,0	16,0	25,0	21,0	13,5	21,0	29,0	35,0	17,0	14,0	17,0	62,0	30,0	47,5
NTR252025	A	25 x 20 x 25 mm	80	25,0	20,0	25,0	21,0	16,5	21,0	29,0	35,0	17,0	16,0	17,0	62,0	30,0	47,5
NTR322032	A	32 x 20 x 32 mm	40	32,0	20,0	32,0	30,0	16,5	30,0	29,0	46,0	20,0	16,0	20,0	75,0	35,0	58,0
NTR322532	A	32 x 25 x 32 mm	40	32,0	25,0	32,0	30,0	21,0	30,0	35,0	46,0	20,0	17,0	20,0	75,0	35,0	58,0
NTR402040	A	40 x 20 x 40 mm	20	40,0	20,0	40,0	36,0	16,5	36,0	33,0	53,0	24,0	16,0	24,0	74,0	39,0	66,0
NTR402540	A	40 x 25 x 40 mm	25	40,0	25,0	40,0	36,0	21,0	36,0	33,0	53,0	24,0	20,0	24,0	74,0	39,0	66,0
NTR403240	A	40 x 32 x 40 mm	18	40,0	32,0	40,0	35,0	30,0	35,0	54,0	54,0	22,0	20,0	22,0	87,0	43,0	70,0
NTR502050	A	50 x 20 x 50 mm	12	50,0	20,0	50,0	47,0	16,5	47,0	43,0	66,0	26,0	16,0	26,0	87,0	47,0	80,0
NTR502550	A	50 x 25 x 50 mm	16	50,0	25,0	50,0	47,0	21,0	47,0	43,0	66,0	26,0	20,0	26,0	87,0	47,0	80,0
NTR503250	A	50 x 32 x 50 mm	16	50,0	32,0	50,0	47,0	30,0	47,0	43,0	66,0	26,0	20,0	26,0	87,0	47,0	80,0
NTR504050	A	50 x 40 x 50 mm	10	50,0	40,0	50,0	43,0	36,0	43,0	66,0	66,0	23,0	22,0	23,0	102,0	50,0	83,0
NTR632563	A	63 x 25 x 63 mm	10	63,0	25,0	63,0	60,0	21,0	60,0	53,0	83,0	30,0	21,0	30,0	102,0	54,0	96,0
NTR633263	A	63 x 32 x 63 mm	6	63,0	32,0	63,0	60,0	30,0	60,0	53,0	83,0	30,0	21,0	30,0	102,0	54,0	96,0
NTR634063	A	63 x 40 x 63 mm	6	63,0	40,0	63,0	60,0	36,0	60,0	53,0	83,0	30,0	23,0	30,0	102,0	54,0	96,0
NTR635063	A	63 x 50 x 63 mm	6	63,0	50,0	63,0	50,0	46,0	50,0	80,0	80,0	25,0	26,0	25,0	122,0	64,0	104,0
NTR753275	A	75 x 32 x 75 mm	16	75,0	32,0	75,0	60,0	22,0	60,0	43,0	98,0	30,0	18,0	30,0	139,0	67,0	116,0
NTR754075	A	75 x 40 x 75 mm	14	75,0	40,0	75,0	60,0	36,0	60,0	65,0	98,0	30,0	23,0	30,0	139,0	69,0	118,0
NTR755075	A	75 x 50 x 75 mm	14	75,0	50,0	75,0	70,0	46,0	70,0	70,0	101,0	33,0	25,0	33,0	146,0	73,0	123,5
NTR756375	A	75 x 63 x 75 mm	14	75,0	63,0	75,0	70,0	59,0	70,0	86,0	101,0	33,0	29,0	33,0	146,0	73,0	123,5
NTR906390	A	90 x 63 x 90 mm	8	90,0	63,0	90,0	78,0	50,0	78,0	85,0	120,0	33,0	27,0	33,0	160,0	73,0	133,0
NTR907590	A	90 x 75 x 90 mm	10	90,0	75,0	90,0	87,0	71,0	87,0	114,0	114,0	37,0	33,0	37,0	167,0	83,0	140,0
NTR11063110	A	110 x 63 x 110 mm	5	110,0	63,0	110,0	100,0	59,0	100,0	86,0	146,0	43,0	33,0	43,0	200,0	100,0	173,0
NTR11075110	A	110 x 75 x 110 mm	5	110,0	75,0	110,0	100,0	69,0	100,0	101,0	146,0	43,0	33,0	43,0	200,0	100,0	173,0
NTR11090110	A	110 x 90 x 110 mm	4	110,0	90,0	110,0	100,0	85,0	100,0	119,0	146,0	43,0	37,0	43,0	200,0	100,0	173,0
NTR12575125	A	125 x 75 x 125 mm	20	125,0	75,0	125,0	113,0	69,0	113,0	101,0	165,0	47,5	33,0	47,5	250,0	115,0	197,5
NTR12590125	A	125 x 90 x 125 mm	3	125,0	90,0	125,0	113,0	85,0	113,0	122,0	135,0	47,5	37,0	47,5	250,0	115,0	197,5
NTR125110125	A	125 x 110 x 125 mm	20	125,0	110,0	125,0	113,0	100,0	113,0	146,0	165,0	47,5	250,0	120,0	250,0	120,0	202,5

* Até final das existências.

Tê redução união socket



Código	Tipo	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	Dn3 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	D (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L (mm)	H1 (mm)	H (mm)
NTR201616 *	B	20 x 16 x 16 mm	150	20,0	16,0	16,0	14,0	13,5	13,5	29,0	29,0	16,0	14,0	14,0	53,0	27,0	42,0
NTR252020	B	25 x 20 x 20 mm	90	25,0	20,0	20,0	21,0	16,5	16,5	29,0	35,0	17,0	16,0	16,0	62,0	30,0	47,5
NTR322525	B	32 x 25 x 25 mm	50	32,0	25,0	25,0	30,0	21,0	21,0	35,0	46,0	20,0	17,0	17,0	75,0	35,0	58,0

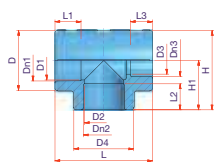
* Até final das existências.

Acessórios termofusão

Tê redução união socket



C

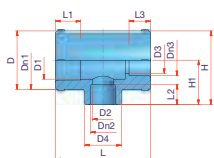


Código	Tipo	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	Dn3 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	D (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L (mm)	H1 (mm)	H (mm)
NTR202016	C	20 x 20 x 16 mm	150	20,0	20,0	16,0	14,0	14,0	13,5	29,0	29,0	16,0	16,0	14,0	53,0	27,0	42,0
NTR252520	C	25 x 25 x 20 mm	80	25,0	25,0	20,0	21,0	21,0	16,5	35,0	35,0	17,0	17,0	16,0	62,0	30,0	47,5
NTR323225	C	32 x 32 x 25 mm	40	32,0	32,0	25,0	30,0	30,0	21,0	46,0	46,0	20,0	20,0	17,0	75,0	38,0	61,0

Tê redução união socket



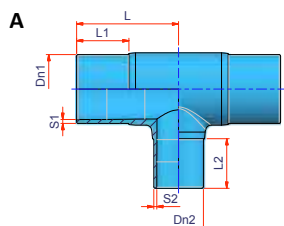
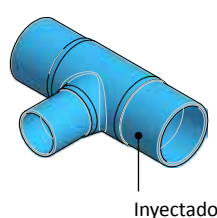
D



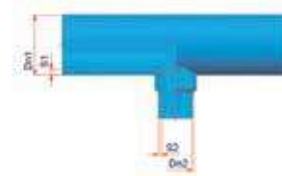
Código	Tipo	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	Dn3 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	D (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L (mm)	H1 (mm)	H (mm)
NTR322020	D	32 x 20 x 20 mm	50	32,0	20,0	20,0	30,0	16,5	16,5	29,0	46,0	20,0	16,0	16,0	75,0	35,0	58,0
NTR322025	D	32 x 20 x 25 mm	40	32,0	20,0	25,0	30,0	16,5	21,0	29,0	46,0	20,0	16,0	17,0	75,0	35,0	58,0

Acessórios termofusão

Tê redução - SDR11 macho/macho/macho soldadura topo-a-topo o acessório elétrico



B



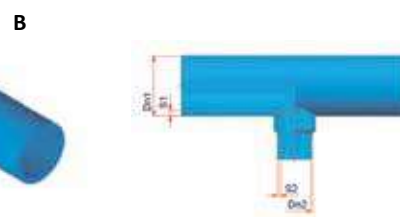
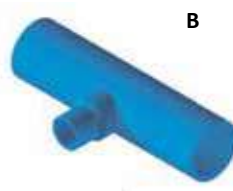
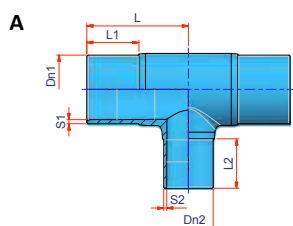
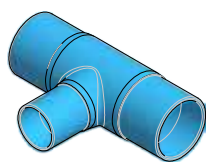
Código	Tipo	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	S1 (mm)	S2 (mm)	L1 (mm)	L2 (mm)	L (mm)
NTRS1116063MM	A	160 x 63 x 160 mm	1	160,0	63,0	14,6	5,8	103,0	70,0	190,0
NTRS1116075MM	A	160 x 75 x 160 mm	1	160,0	75,0	14,6	6,8	103,0	75,0	190,0
NTRS1116090MM	A	160 x 90 x 160 mm	1	160,0	90,0	14,6	8,2	103,0	90,0	190,0
NTRS11160110MM	A	160 x 110 x 160 mm	1	160,0	110,0	14,6	10,0	103,0	87,0	190,0
NTRS11160125MM	A	160 x 125 x 160 mm	1	160,0	125,0	14,6	11,4	103,0	95,0	190,0
NTRS1120063MM	A	200 x 63 x 200 mm	1	200,0	63,0	18,2	5,8	117,0	70,0	230,0
NTRS1120075MM	A	200 x 75 x 200 mm	1	200,0	75,0	18,2	6,8	117,0	75,0	230,0
NTRS1120090MM	A	200 x 90 x 200 mm	1	200,0	90,0	18,2	8,2	117,0	90,0	230,0
NTRS11200110MM	A	200 x 110 x 200 mm	1	200,0	110,0	18,2	10,0	117,0	87,0	230,0
NTRS11200125MM	A	200 x 125 x 200 mm	1	200,0	125,0	18,2	11,4	117,0	95,0	230,0
NTRS11200160MM	A	200 x 160 x 200 mm	1	200,0	160,0	18,2	14,6	117,0	103,0	230,0
NTRS1125090MM	A	250 x 90 x 250 mm	1	250,0	90,0	22,7	8,2	134,0	90,0	255,0
NTRS11250110MM	A	250 x 110 x 250 mm	1	250,0	110,0	22,7	10,0	134,0	116,0	255,0
NTRS11250125MM	A	250 x 125 x 250 mm	1	250,0	125,0	22,7	11,4	134,0	95,0	255,0
NTRS11250160MM	A	250 x 160 x 250 mm	1	250,0	160,0	22,7	14,6	134,0	105,0	255,0
NTRS11250200MM	A	250 x 200 x 250 mm	1	250,0	200,0	22,7	18,2	134,0	116,0	255,0
NTR11315125M315	B	315 x 125 x 315 mm	1	315,0	125,0	28,6	11,4	-	-	-
NTR11315160M315	B	315 x 160 x 315 mm	1	315,0	160,0	28,6	14,6	-	-	-
NTR11315200M315	B	315 x 200 x 315 mm	1	315,0	200,0	28,6	18,2	-	-	-
NTR11315250M315	B	315 x 250 x 315 mm	1	315,0	250,0	28,6	22,7	-	-	-
NTR11355125M355	B	355 x 125 x 355 mm	1	355,0	125,0	32,3	11,4	-	-	-
NTR11355160M355	B	355 x 160 x 355 mm	1	355,0	160,0	32,3	14,6	-	-	-
NTR11355200M355	B	355 x 200 x 355 mm	1	355,0	200,0	32,3	18,2	-	-	-
NTR11400125M400	B	400 x 125 x 400 mm	1	400,0	125,0	36,3	11,4	-	-	-
NTR11400160M400	B	400 x 160 x 400 mm	1	400,0	160,0	36,3	14,6	-	-	-
NTR11400200M400	B	400 x 200 x 400 mm	1	400,0	200,0	36,3	18,2	-	-	-
NTR11400250M400	B	400 x 250 x 400 mm	1	400,0	250,0	36,3	22,7	-	-	-
NTR11450125M450	B	450 x 125 x 450 mm	1	450,0	125,0	40,9	11,4	-	-	-
NTR11450160M450	B	450 x 160 x 450 mm	1	450,0	160,0	40,9	14,6	-	-	-
NTR11450200M450	B	450 x 200 x 450 mm	1	450,0	200,0	40,9	18,2	-	-	-
NTR11450250M450	B	450 x 250 x 450 mm	1	450,0	250,0	40,9	22,7	-	-	-
NTR11450315M450	B	450 x 315 x 450 mm	1	450,0	315,0	40,9	28,6	-	-	-

Dependendo do material disponível, os acessórios do tipo A podem ser injetados ou manipulados (Tê + Redução).

A empresa fabricante se reserva o direito de fornecer o acessório do tipo A injetado ou manipulado de acordo com as necessidades.

Acessórios termofusão

Tê redução - SDR17 macho/macho/macho soldadura topo-a-topo o acessório elétrico



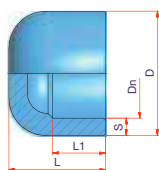
Código	Tipo	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	S1 min. (mm)	S2 min. (mm)	L1 (mm)	L2 (mm)	L (mm)
NTRS1716075MM	A	160 x 75 x 160 mm	1	160,0	75,0	9,5	4,5	103,0	75,0	190,0
NTRS1716090MM	A	160 x 90 x 160 mm	1	160,0	90,0	9,5	5,4	103,0	90,0	190,0
NTRS17160110MM	A	160 x 110 x 160 mm	1	160,0	110,0	9,5	6,6	103,0	87,0	190,0
NTRS17160125MM	A	160 x 125 x 160 mm	1	160,0	125,0	9,5	7,4	103,0	95,0	190,0
NTRS1720075MM	A	200 x 75 x 200 mm	1	200,0	75,0	11,9	4,5	117,0	75,0	230,0
NTRS1720090MM	A	200 x 90 x 200 mm	1	200,0	90,0	11,9	5,4	117,0	90,0	230,0
NTRS17200110MM	A	200 x 110 x 200 mm	1	200,0	110,0	11,9	6,6	117,0	87,0	230,0
NTRS17200125MM	A	200 x 125 x 200 mm	1	200,0	125,0	11,9	7,4	117,0	95,0	230,0
NTRS17200160MM	A	200 x 160 x 200 mm	1	200,0	160,0	11,9	9,5	117,0	103,0	230,0
NTRS1725090MM	A	250 x 90 x 250 mm	1	250,0	90,0	14,8	5,4	134,0	90,0	255,0
NTRS17250110MM	A	250 x 110 x 250 mm	1	250,0	110,0	14,8	6,6	134,0	116,0	255,0
NTRS17250125MM	A	250 x 125 x 250 mm	1	250,0	125,0	14,8	7,4	134,0	95,0	255,0
NTRS17250160MM	A	250 x 160 x 250 mm	1	250,0	160,0	14,8	9,5	134,0	105,0	255,0
NTRS17250200MM	A	250 x 200 x 250 mm	1	250,0	200,0	14,8	11,9	134,0	116,0	255,0
NTR17315125M315	B	315 x 125 x 315 mm	1	315,0	125,0	18,7	0,29	-	-	-
NTR17315160M315	B	315 x 160 x 315 mm	1	315,0	160,0	18,7	0,37	-	-	-
NTR17315200M315	B	315 x 200 x 315 mm	1	315,0	200,0	18,7	0,47	-	-	-
NTR17315250M315	B	315 x 250 x 315 mm	1	315,0	250,0	18,7	0,15	-	-	-
NTR17355160M355	B	355 x 160 x 355 mm	1	355,0	160,0	21,1	0,18	-	-	-
NTR17355200M355	B	355 x 200 x 355 mm	1	355,0	200,0	21,1	0,21	-	-	-
NTR17400160M400	B	400 x 160 x 400 mm	1	400,0	160,0	23,7	0,29	-	-	-
NTR17400200M400	B	400 x 200 x 400 mm	1	400,0	200,0	23,7	0,29	-	-	-
NTR17400250M400	B	400 x 250 x 400 mm	1	400,0	250,0	23,7	0,29	-	-	-
NTR17450160M450	B	450 x 160 x 450 mm	1	450,0	160,0	26,7	0,29	-	-	-
NTR17450200M450	B	450 x 200 x 450 mm	1	450,0	200,0	26,7	0,29	-	-	-
NTR17450250M450	B	450 x 250 x 450 mm	1	450,0	250,0	26,7	0,29	-	-	-
NTR17450315M450	B	450 x 315 x 450 mm	1	450,0	315,0	26,7	0,29	-	-	-
NTR17500160M500	B	500 x 160 x 500 mm	1	500,0	160,0	29,7	0,29	-	-	-
NTR17500200M500	B	500 x 200 x 500 mm	1	500,0	200,0	29,7	0,29	-	-	-
NTR17500250M500	B	500 x 250 x 500 mm	1	500,0	250,0	29,7	0,29	-	-	-
NTR17500315M500	B	500 x 315 x 500 mm	1	500,0	315,0	29,7	0,29	-	-	-
NTR17500355M500	B	500 x 355 x 500 mm	1	500,0	355,0	29,7	0,29	-	-	-
NTR17500400M500	B	500 x 400 x 500 mm	1	500,0	400,0	29,7	0,29	-	-	-
NTR17500450M500	B	500 x 450 x 500 mm	1	500,0	450,0	29,7	0,29	-	-	-
NTR17560160M560	B	560 x 160 x 560 mm	1	560,0	160,0	33,2	0,29	-	-	-
NTR17560200M560	B	560 x 200 x 560 mm	1	560,0	200,0	33,2	0,29	-	-	-
NTR17560250M560	B	560 x 250 x 560 mm	1	560,0	250,0	33,2	0,29	-	-	-
NTR17560315M560	B	560 x 315 x 560 mm	1	560,0	315,0	33,2	0,29	-	-	-
NTR17560355M560	B	560 x 355 x 560 mm	1	560,0	355,0	33,2	0,29	-	-	-
NTR17560400M560	B	560 x 400 x 560 mm	1	560,0	400,0	33,2	0,37	-	-	-

Dependendo do material disponível, os acessórios do tipo A podem ser injetados ou manipulados (Tê + Redução).

A empresa fabricante se reserva o direito de fornecer o acessório do tipo A injetado ou manipulado de acordo com as necessidades.

Acessórios termofusão

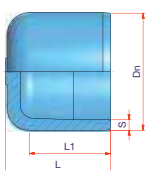
Tampão união socket



Código	Ø	Uds. Caixa	Dn (mm)	D (mm)	L1 (mm)	L (mm)
NCC16 *	16 mm	250	16,0	23,5	13,5	24,0
NCC20	20 mm	100	20,0	30,0	17,0	29,0
NCC25	25 mm	100	25,0	35,5	18,0	34,0
NCC32	32 mm	50	32,0	45,0	20,0	40,0
NCC40	40 mm	40	40,0	54,0	22,0	42,0
NCC50	50 mm	35	50,0	66,0	25,5	48,0
NCC63	63 mm	30	63,0	83,0	34,0	56,0
NCC75	75 mm	12	75,0	99,0	43,0	61,0
NCC90	90 mm	30	90,0	120,0	37,0	62,0
NCC110	110 mm	20	110,0	148,0	28,0	68,0
NCC125	125 mm	12	125,0	168,0	47,5	80,5

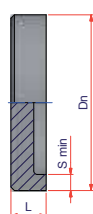
* Até final das existências.

Tampão SDR11 longo soldadura topo-a-topo o acessório elétrico



Código	Ø	Uds. Caixa	Dn (mm)	S (mm)	L1 (mm)	L (mm)
NCC16011M	160 mm	1	160,0	14,6	108,0	142,0
NCC20011M	200 mm	1	200,0	18,2	133,0	172,0

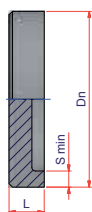
Tampão SDR11 curto soldadura topo-a-topo



Código	Ø	Uds. Caixa	Dn (mm)	S (mm)	L (mm)
27NCC25011MS	250 mm	1	250,0	22,7	50,0
27NCC31511MS	315 mm	1	315,0	28,6	118,0
27NCC35511MS	355 mm	1	355,0	32,2	80,0
27NCC40011MS	400 mm	1	400,0	36,3	80,0
27NCC45011MS	450 mm	1	450,0	40,9	80,0

Acessórios termofusão

Tampão SDR17 curto soldadura topo-a-topo



Código	Ø	Uds. Caixa	Dn (mm)	S min. (mm)	L (mm)
27NCC31517MS	315 mm	1	315,0	18,7	50,0
27NCC35517MS	355 mm	1	355,0	21,1	50,0
27NCC40017MS	400 mm	1	400,0	23,7	80,0
27NCC45017MS	450 mm	1	450,0	26,7	80,0
27NCC50017MS	500 mm	1	500,0	29,7	80,0
27NCC56017MS	560 mm	1	560,0	33,1	80,0
27NCC63017MS	630 mm	1	630,0	37,2	100,0

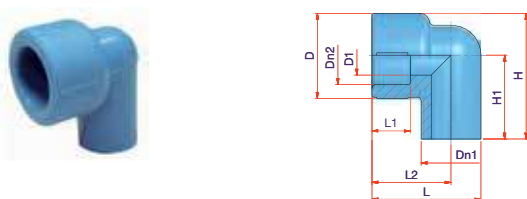
Acessórios termofusão

Curva 90° F-F união socket



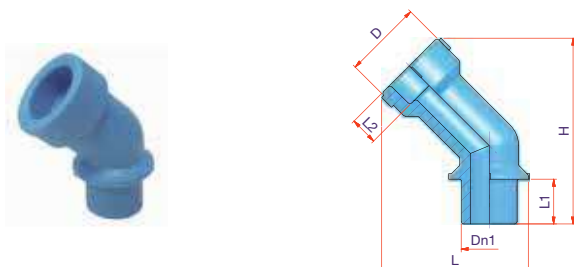
Código	Ø	Uds. Caixa	Dn (mm)	D (mm)	L1 (mm)	L (mm)	H (mm)
NCLR20	20 mm	70	20,0	28,0	16,0	55,0	55,0
NCLR25	25 mm	50	25,0	34,0	16,0	65,0	65,0

Joelho 90° M-F união socket



Código	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NGMF20	20 mm	100	20,0	20,0	13,2	30,0	16,0	29,0	39,0	28,5	43,5
NGMF25	25 mm	60	25,0	25,0	16,6	35,0	16,0	33,0	45,5	35,0	52,5
NGMF32	32 mm	30	32,0	32,0	24,0	43,0	20,0	34,0	50,0	47,5	68,5
NGMF40	40 mm	20	40,0	40,0	24,0	43,0	20,0	34,0	50,0	47,5	68,5

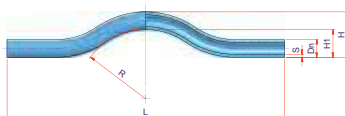
Joelho 45° M-F união socket



Código	Ø	Uds. Caixa	Dn1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	H (mm)
NCMF4520	20 mm	100	20,0	28,0	16,0	10,0	53,0	66,0
NCMF4525	25 mm	1	25,0	35,0	17,0	12,0	56,5	72,0

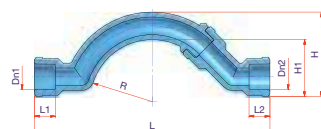
Acessórios termofusão

União cruzamento união socket



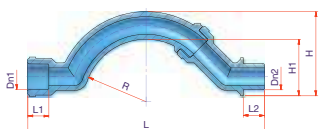
Código	Ø	Uds. Caixa	Dn (mm)	S (mm)	R (mm)	L (mm)	H1 (mm)	H (mm)
NSOR20	20 mm	50	20,0	3,4	100,0	390,0	39,0	59,0
NSOR25	25 mm	35	25,0	4,2	97,5	390,0	39,0	64,0
NSOR32	32 mm	20	32,0	5,4	94,0	390,0	39,0	71,0

União cruzamento F-F em 2 peças de soldar F-F união socket



Código	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	R (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NSOFF20	20 mm	60	20,0	20,0	47,5	16,0	16,0	180,0	43,0	64,0
NSOFF25	25 mm	30	25,0	25,0	45,5	17,0	17,0	182,0	41,0	66,0

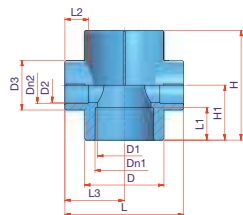
União cruzamento F-M em 2 peças de soldar



Código	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	R (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NSOFM20	20 mm	60	20,0	20,0	47,5	16,0	16,0	180,0	43,0	64,0
NSOFM25	25 mm	30	25,0	25,0	45,5	17,0	17,0	182,0	41,0	66,0

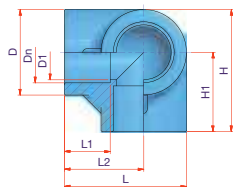
Acessórios termofusão

Cruz reduzida união socket



Código	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L (mm)	H1 (mm)	H (mm)
NCR402020	40-20-20-40 mm	16	40,0	20,0	36,0	16,5	33,0	53,0	22,0	16,0	37,0	74,0	40,0	80,0
NCR402525	40-25-25-40 mm	20	40,0	25,0	36,0	23,5	33,0	53,0	22,0	16,0	37,0	74,0	40,0	80,0

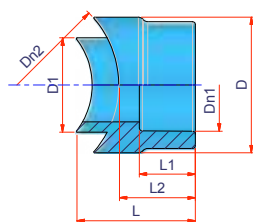
Joelho ditribuidor 3 vias união socket



Código	Ø	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	R (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NCTV20	20 mm	150	20,0	18,0	28,0	15,0	26,0	40,0	26,0	40,0

Acessórios termofusão

Derivação Fêmea / Enxerto união socket



Código	Ø tubo	Ø sair	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)
NGS2040	40 mm	20	1	20,0	40	25,0	35,0	15,0	20,0	36,7
NGS2050	50 mm	20	1	20,0	50	25,0	35,0	15,0	20,0	32,4
NGS206375	63-75 mm	20	1	20,0	63-75	25,0	35,0	15,0	20,0	30,5
NGS2090110125	90-110-125 mm	20	1	20,0	90-110-125	25,0	35,0	15,0	20,0	29,5
NGS20160200	160-200 mm	20	1	20,0	160-200	25,0	35,0	15,0	20,0	28,5
NGS20250315	250-315 mm	20	1	20,0	250-315	25,0	35,0	15,0	20,0	28,0
NGS20355630	355-630 mm	20	1	20,0	355-630	25,0	35,0	15,0	20,0	28,0
NGS2540	40 mm	25	1	25,0	40	25,0	35,0	16,5	21,5	38,0
NGS2550	50 mm	25	1	25,0	50	25,0	35,0	16,5	21,5	33,9
NGS256375	63-75 mm	25	1	25,0	63-75	25,0	35,0	16,5	21,5	32,0
NGS2590110125	90-110-125 mm	25	1	25,0	90-110-125	25,0	35,0	16,5	21,5	30,5
NGS25160200	160-200 mm	25	1	25,0	160-200	25,0	35,0	16,5	21,5	30,0
NGS25250315	250-315 mm	25	1	25,0	250-315	25,0	35,0	16,5	21,5	29,5
NGS25355630	355-630 mm	25	1	25,0	355-630	25,0	35,0	16,5	21,5	29,5
NGS326375	63-75 mm	32	1	32,0	63-75	32,0	46,0	19,0	26,0	40,0
NGS3290110125	90-110-125 mm	32	1	32,0	90-110-125	32,0	46,0	19,0	26,0	38,0
NGS32160200	160-200 mm	32	1	32,0	160-200	32,0	46,0	19,0	26,0	36,5
NGS32250315	250-315 mm	32	1	32,0	250-315	32,0	46,0	19,0	26,0	36,0
NGS32355630	355-630 mm	32	1	32,0	355-630	32,0	46,0	19,0	26,0	36,0
NGS4090	90 mm	40	1	40,0	90	40,0	58,0	21,0	28,0	42,8
NGS40110	110 mm	40	1	40,0	110	40,0	58,0	21,0	28,0	41,8
NGS40125	125 mm	40	1	40,0	125	40,0	58,0	21,0	28,0	40,7
NGS40160200	160-200 mm	40	1	40,0	160-200	40,0	58,0	21,0	28,0	39,0
NGS40250315	250-315 mm	40	1	40,0	250-315	40,0	58,0	21,0	28,0	38,5
NGS40355630	355-630 mm	40	1	40,0	355-630	25,0	35,0	16,5	21,5	29,5
NGS5090	90 mm	50	1	50,0	90	50,0	72,0	25,0	36,0	59,0
NGS50110	110 mm	50	1	50,0	110	50,0	72,0	25,0	36,0	56,0
NGS50125	125 mm	50	1	50,0	125	50,0	72,0	25,0	36,0	54,0
NGS50160	160 mm	50	1	50,0	160	50,0	72,0	25,0	36,0	53,0
NGS50200	200 mm	50	1	50,0	200	50,0	72,0	25,0	36,0	51,5
NGS50250	250 mm	50	1	50,0	250	50,0	72,0	25,0	36,0	51,0
NGS50315	315 mm	50	1	50,0	315	50,0	72,0	25,0	36,0	50,0
NGS50355450	355-450 mm	50	1	50,0	355-450	50,0	72,0	25,0	36,0	50,0
NGS50500630	500-630 mm	50	1	50,0	500-630	50,0	72,0	25,0	36,0	50,0
NGS63110	110 mm	63	1	63,0	110	63,0	90,0	29,0	40,0	65,0
NGS63125	125 mm	63	1	63,0	125	63,0	90,0	29,0	40,0	63,0
NGS63160	160 mm	63	1	63,0	160	63,0	90,0	29,0	40,0	59,5
NGS63200	200 mm	63	1	63,0	200	63,0	90,0	29,0	40,0	58,0
NGS63250	250 mm	63	1	63,0	250	63,0	90,0	29,0	40,0	56,0
NGS63315	315 mm	63	1	63,0	315	63,0	90,0	29,0	40,0	55,0
NGS63355450	355-450 mm	63	1	63,0	355-450	63,0	90,0	29,0	40,0	54,5
NGS63500630	500-630 mm	63	1	63,0	500-630	63,0	90,0	29,0	40,0	54,0

Procedimento de soldadura União socket até diâmetro 125mm. Com a norma DVS 2207

Ø Tubulação	Aquecimento (seg.)	Montagem (seg.)	Teste aos minutos	Inserção tubo (mm)
20 mm	5	4	2	14
25 mm	7	4	3	15
32 mm	8	6	4	17
40 mm	12	6	4	18
50 mm	18	6	4	20
63 mm	24	8	6	26
75 mm	30	8	6	29
90 mm	40	8	6	32
110 mm	50	10	8	35
125 mm	60	10	8	40

Enxerto	Aquecimento (seg.)	Montagem (seg.)	Teste aos minutos
25 mm	7	4	10
32 mm	8	6	10

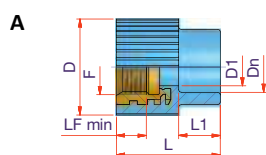
O tempo de aquecimento inicia quando a tubulação e o acessório atingem a profundidade de inserção da tabela em anexo. As profundidades de inserção não devem ser excedidas, pois pode originar um problema de vedação da tubulação em diâmetros pequenos.



Acessórios termofusão roscados

Acessórios termofusão rosçados

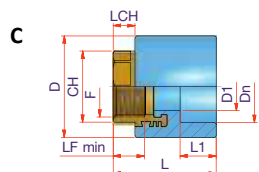
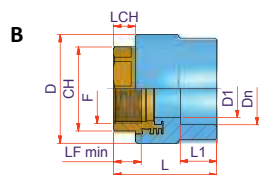
União rosca fêmea união socket



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	F	LFmin (mm)	D1 (mm)	D (mm)	L1 (mm)	L (mm)
NRFF1612 *	A	16 mm	70	16,0	1/2"	11,5	14,1	37,0	15,0	40,0
NRFF2012	A	20 mm	70	20,0	1/2"	11,5	14,1	37,0	16,0	40,0
NRFF2034	A	20 mm	60	20,0	3/4"	13,2	18,0	43,0	20,5	46,0
NRFF2512	A	25 mm	70	25,0	1/2"	11,5	14,1	37,0	17,0	41,0
NRFF2534	A	25 mm	60	25,0	3/4"	13,2	18,0	42,0	18,0	46,0
NRFF3234	A	32 mm	40	32,0	3/4"	13,2	18,0	45,5	21,5	51,5
NRFF321	A	32 mm	40	32,0	1"	18,0	24,0	54,0	20,0	52,0

* Até final das existências.

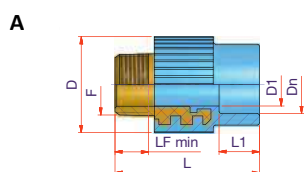
União rosca fêmea hexagonal união socket



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	F	LFmin (mm)	D1 (mm)	D (mm)	L1 (mm)	L (mm)	CH (mm)	LCH (mm)
NRFF401	C	40 mm	30	40,0	1"	18,0	24,0	56,0	22,0	67,0	38,0	15,0
NRFF40114	B	40 mm	25	40,0	1¼"	21,4	33,0	66,0	22,0	69,0	46,0	15,0
NRFF50114	C	50 mm	25	50,0	1¼"	21,4	33,0	70,0	25,0	71,0	46,0	15,0
NRFF50112	B	50 mm	14	50,0	1½"	19,0	39,5	75,0	25,0	72,0	55,0	15,0
NRFF63112	C	63 mm	15	63,0	1½"	19,0	39,5	88,0	29,0	71,0	55,0	15,0
NRFF632	B	63 mm	12	63,0	2"	23,7	50,0	92,0	29,0	80,0	65,0	20,0
NRFF752	C	75 mm	8	75,0	2"	23,7	50,0	103,0	33,0	84,0	65,0	20,0
NRFF75212	B	75 mm	6	75,0	2½"	30,2	63,5	110,0	33,0	89,0	80,0	20,0
NRFF903	B	90 mm	4	90,0	3"	33,3	75,0	129,0	37,0	99,0	95,0	23,0
NRFF1104	B	110 mm	2	110,0	4"	39,3	99,5	160,0	43,0	111,0	120,0	30,0
NRFF1254	C	125 mm	1	125,0	4"	39,3	99,5	160,0	47,5	115,5	120,0	30,0

Acessórios termofusão rosçados

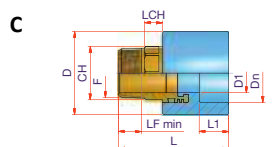
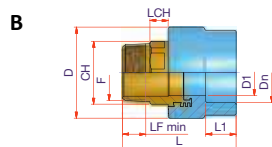
União rosca macho união socket



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	F	LFmin (mm)	D1 (mm)	D (mm)	L1 (mm)	L (mm)
NRFM1612 *	A	16 mm	70	16,0	1/2"	13,2	14,1	37,0	15,0	55,0
NRFM2012	A	20 mm	70	20,0	1/2"	13,2	14,1	37,0	16,0	55,0
NRFM2034	A	20 mm	50	20,0	3/4"	14,5	18,0	43,0	20,5	63,0
NRFM2512	A	25 mm	70	25,0	1/2"	13,2	14,1	37,0	17,0	56,0
NRFM2534	A	25 mm	50	25,0	3/4"	14,5	18,0	42,0	17,5	62,0
NRFM3234	A	32 mm	40	32,0	3/4"	14,5	18,0	45,5	20,0	68,5
NRFM321	A	32 mm	30	32,0	1"	16,8	24,0	54,0	20,0	71,0

* Até final das existências.

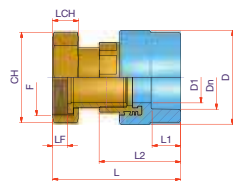
União rosca macho hexagonal união socket



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	F	LFmin (mm)	D1 (mm)	D (mm)	L1 (mm)	L (mm)	CH (mm)	LCH (mm)
NRFM401	C	40 mm	25	40,0	1"	16,8	24,0	56,0	22,0	86,0	34,0	13,0
NRFM40114	B	40 mm	20	40,0	1¼"	19,1	33,0	65,0	22,0	91,0	42,0	15,0
NRFM50114	C	50 mm	20	50,0	1¼"	19,1	33,0	70,0	25,0	93,0	42,0	15,0
NRFM50112	B	50 mm	15	50,0	1½"	19,1	33,0	70,0	25,0	93,0	42,0	15,0
NRFM63112	C	63 mm	10	63,0	1½"	19,1	38,0	88,0	29,0	97,5	50,0	15,0
NRFM632	B	63 mm	10	63,0	2"	23,4	49,5	92,0	29,0	105,0	60,0	18,0
NRFM752	C	75 mm	6	75,0	2"	23,4	49,5	103,0	33,0	109,0	60,0	18,0
NRFM75212	B	75 mm	4	75,0	2½"	26,7	63,5	110,0	33,0	112,0	80,0	20,0
NRFM903	B	90 mm	4	90,0	3"	29,8	75,0	129,0	37,0	129,0	90,0	23,0
NRFM1104	B	110 mm	1	110,0	4"	35,8	99,5	160,0	43,0	148,0	115,0	30,0
NRFM1254	C	125 mm	1	125,0	4"	35,8	99,5	160,0	47,5	152,5	115,0	30,0

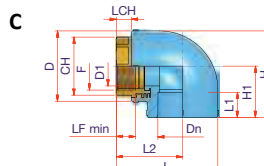
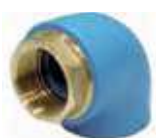
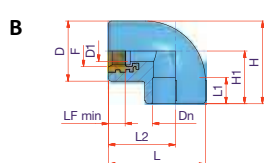
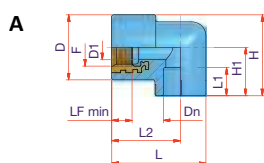
Acessórios termofusão roscados

União C/ Junção união socket



Código	Ø	Uds. Caixa	Dn (mm)	F	LF (mm)	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	CH (mm)	LCH (mm)
NBD2034	20 mm	10	20,0	3/4"	10,8	14,1	37,0	16,0	40,0	62,0	30,0	14,0
NBD2534	25 mm	20	25,0	3/4"	10,8	14,1	37,0	17,0	41,0	62,0	30,0	14,0
NBD251	25 mm	10	25,0	1"	11,5	18,0	42,0	18,0	46,0	70,5	37,0	15,0
NBD321	32 mm	15	32,0	1"	11,5	18,0	45,5	21,5	51,0	76,0	37,0	15,0
NBD32114	32 mm	30	32,0	1 1/4"	14,0	24,0	54,5	20,0	53,0	81,0	46,0	18,0
NBD40114	40 mm	20	40,0	1 1/4"	14,0	24,0	56,0	22,0	67,0	93,0	46,0	18,0
NBD40112	40 mm	24	40,0	1 1/2"	14,0	33,0	66,0	22,0	69,0	98,0	52,0	18,0
NBD50112	50 mm	16	50,0	1 1/2"	14,0	33,0	70,0	25,0	56,0	101,0	52,0	18,0
NBD502FP	50 mm	1	50,0	2"	14,0	39,5	75,0	25,0	72,0	114,0	64,0	23,0
NBD632FP	63 mm	10	63,0	2"	15,0	39,5	88,0	29,0	75,0	212,0	64,0	23,0
NBD63212	63 mm	8	63,0	2 1/2"	21,0	50,0	93,0	29,0	81,0	135,5	81,5	25,5

Joelho 90° roscado fêmea união socket

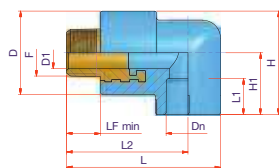


Código	Tipo	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D (mm)	F	LF min (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)	CH (mm)	LCH (mm)
NGF1612 *	A	16 mm	60	16,0	14,0	37,0	1/2"	11,5	13,0	39,0	53,5	27,5	46,0	-	-
NGF2012	A	20 mm	60	20,0	14,0	37,0	1/2"	11,5	16,0	39,0	53,5	27,5	46,0	-	-
NGF2512	A	25 mm	50	25,0	14,0	37,0	1/2"	11,5	17,0	39,0	56,5	30,5	49,0	-	-
NGF2534	A	25 mm	40	25,0	18,5	42,0	3/4"	13,2	17,0	39,0	56,5	30,5	51,5	-	-
NGF3212	B	32 mm	30	32,0	14,0	42,0	1/2"	11,5	18,0	46,0	67,0	36,0	57,0	-	-
NGF3234	B	32 mm	35	32,0	18,5	42,0	3/4"	13,2	18,0	46,0	67,0	36,0	57,0	-	-
NGF321	B	32 mm	30	32,0	24,0	54,0	1"	18,0	20,0	46,0	67,0	47,0	74,0	-	-
NGF401	B	40 mm	20	40,0	24,0	57,0	1"	18,0	20,0	52,0	79,0	43,0	72,0	46,0	15,0
NGF50114	C	50 mm	10	50,0	33,0	70,0	1 1/4"	21,4	25,0	66,0	101,0	51,0	86,0	55,0	15,0
NGF50112	C	50 mm	10	50,0	39,5	70,0	1 1/2"	19,0	25,0	66,0	101,0	51,0	86,0	55,0	15,0
NGF63112	C	63 mm	4	63,0	39,5	88,0	1 1/2"	19,0	29,0	77,0	121,0	62,0	106,0	65,0	20,0
NGF632	C	63 mm	4	63,0	50,0	88,0	2"	23,7	29,0	82,0	126,0	62,0	106,0	65,0	20,0

* Até final das existências.

Acessórios termofusão roscaados

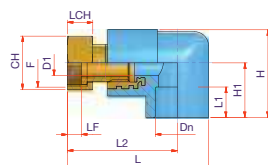
Joelho 90° roscado Macho união socket



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D (mm)	F	LF min (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NGM1612 *	16 mm	50	16,0	14,0	37,0	1/2"	13,2	13,0	54,0	68,5	27,5	46,0
NGM2012	20 mm	60	20,0	14,0	37,0	1/2"	13,2	16,0	54,0	68,5	27,5	46,0
NGM2512	25 mm	50	25,0	14,0	37,0	1/2"	13,2	17,0	54,0	71,5	30,5	49,0
NGM2534	25 mm	40	25,0	18,5	42,0	3/4"	14,5	17,0	54,0	73,5	30,5	51,5
NGM3212	32 mm	30	32,0	14,0	42,0	1/2"	13,2	18,0	61,0	82,0	36,0	57,0
NGM3234	32 mm	30	32,0	18,5	42,0	3/4"	14,5	18,0	61,0	84,0	36,0	57,0
NGM321	32 mm	25	32,0	24,0	54,0	1"	16,8	20,0	65,0	86,5	47,0	74,0

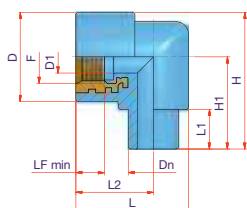
* Até final das existências.

Joelho 90° C/ Junção união socket



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	F	LF (mm)	L1 (mm)	L2 (mm)	L (mm)	CH (mm)	LCH (mm)
NBC2034	20 mm	10	20,0	14,1	3/4"	10,5	16,0	59,0	73,5	30,0	14,0
NBC251	25 mm	10	25,0	18,0	1"	11,5	17,0	63,0	80,5	37,0	15,0
NBC32114	32 mm	5	32,0	24,0	1 1/4"	14,0	20,0	74,0	95,0	46,0	18,0

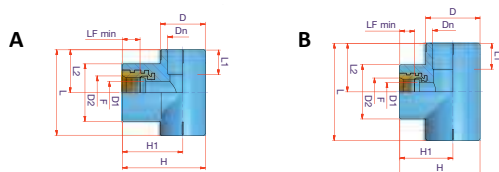
Joelho 90° M-F roscados união socket



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D (mm)	F	LF min. (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NGMFF2012	20 mm	70	20,0	13,2	36,0	1/2"	11,5	16,0	31,0	45,0	37,0	55,0

Acessórios termofusão roscados

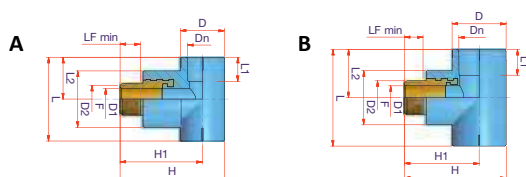
Tê roscado fêmea união socket



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D2 (mm)	D (mm)	F	LF min (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NTF1612 *	A	16 mm	50	16,0	14,1	37,0	29,0	1/2"	11,5	14,0	26,5	53,0	33,0	53,0
NTF2012	A	20 mm	50	20,0	14,1	37,0	29,0	1/2"	11,5	16,0	27,5	55,0	39,0	53,5
NTF2512	A	25 mm	40	25,0	14,1	37,0	35,0	1/2"	11,5	17,0	30,5	61,0	39,0	56,5
NTF2534	A	25 mm	35	25,0	18,5	42,0	35,0	3/4"	13,2	17,0	30,5	61,0	39,0	56,5
NTF3212	B	32 mm	30	32,0	14,1	42,0	42,0	1/2"	11,5	20,0	37,5	75,0	41,0	62,0
NTF3234	B	32 mm	35	32,0	18,5	42,0	42,0	3/4"	13,2	20,0	37,5	75,0	41,0	62,0
NTF3231	B	32 mm	16	32,0	24,0	54,0	42,0	1"	17,8	20,0	47,0	95,0	39,0	66,0

* Até final das existências.

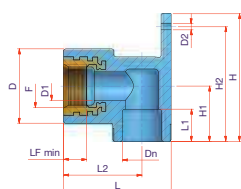
Tê roscado macho união socket



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D2 (mm)	D (mm)	F	LF min (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NTM1612 *	A	16 mm	50	16,0	14,1	37,0	29,0	1/2"	13,2	14,0	26,5	53,0	48,0	62,5
NTM2012	A	20 mm	50	20,0	14,1	37,0	29,0	1/2"	13,2	16,0	27,5	55,0	54,0	68,5
NTM2512	A	25 mm	40	25,0	14,1	37,0	35,0	1/2"	13,2	17,0	30,5	61,0	54,0	71,5
NTM2534	A	25 mm	30	25,0	18,5	42,0	35,0	3/4"	14,5	17,0	30,5	61,0	56,0	73,5
NTM3212	B	32 mm	25	32,0	14,1	42,0	42,0	1/2"	13,2	20,0	37,5	75,0	56,0	77,0
NTM3234	B	32 mm	24	32,0	18,5	42,0	42,0	3/4"	14,5	20,0	37,5	75,0	58,0	79,0
NTM3231	B	32 mm	14	32,0	24,0	54,0	42,0	1"	16,8	20,0	47,0	95,0	63,5	85,0

* Até final das existências.

Joelho 90° roscado fêmea com pater união socket

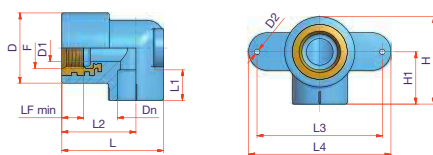


Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D2 (mm)	D (mm)	F	LF min (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H2 (mm)	H (mm)
NTER1612 *	16 mm	40	16,0	14,0	3,0	37,0	1/2"	11,5	13,0	39,0	53,5	27,5	57,0	63,5
NTER2012	20 mm	40	20,0	14,0	3,0	37,0	1/2"	11,5	16,0	39,0	53,5	27,5	57,0	63,5

* Até final das existências.

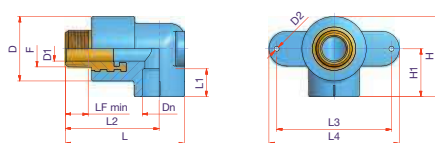
Acessórios termofusão roscados

Joelho técnico 90° roscado fêmea com pater união socket



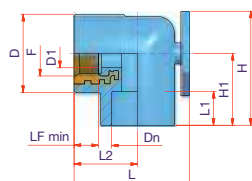
Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D2 (mm)	D (mm)	F	LF min (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L (mm)	H1 (mm)	H (mm)
NGTF2038	20 mm	40	20,0	13,0	3,0	37,0	3/8"	14,0	16,0	39,0	66,0	75,0	53,5	27,5	46,0
NGTF2012	20 mm	40	20,0	14,0	3,0	37,0	1/2"	11,5	16,0	39,0	66,0	75,0	53,5	27,5	46,0

Joelho técnico 90° roscado macho com pater união socket



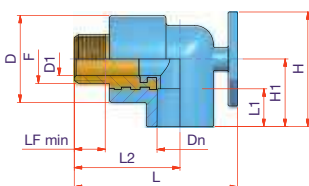
Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D2 (mm)	D (mm)	F	LF min (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L (mm)	H1 (mm)	H (mm)
NGTM2038	20 mm	40	20,0	11,0	3,0	37,0	3/8"	11,0	16,0	50,0	66,0	75,0	64,5	27,5	46,0
NGTM2012	20 mm	40	20,0	14,0	3,0	37,0	1/2"	13,2	16,0	54,0	66,0	75,0	68,5	27,5	46,0

Joelho 90° roscado fêmea para suporte regulável completo união socket



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D (mm)	F	LF min (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NGOF2012	20 mm	50	20,0	14,0	37,0	1/2"	11,5	16,0	30,0	54,5	28,5	48,5
NGOF2512	25 mm	40	25,0	14,0	37,0	1/2"	11,5	16,0	30,0	54,5	34,0	54,0

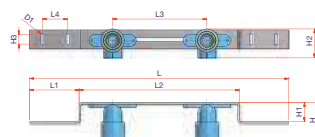
Joelho 90° roscado macho para suporte regulável completo união socket



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	D (mm)	F	LF min (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NGOM2012	20 mm	40	20,0	14,0	37,0	1/2"	13,2	16,0	45,0	69,5	28,5	48,5

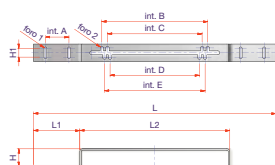
Acessórios termofusão roscados

Suporte regulável C/ dois joelho fêmea união socket (para instalações acessíveis)



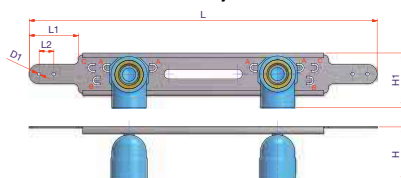
Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L (mm)	H1 (mm)	H2 (mm)	H3 (mm)	H (mm)
NGVRF2012	20 mm	12	20,0	5,0	77,5	255,0	150,0	40,0	410,0	30,0	46,0	15,0	56,0

Suporte regulável em aço



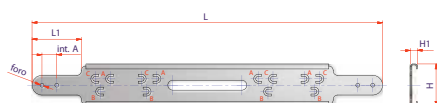
Código	Uds. Caixa	L (mm)	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	Furo 1 (mm)	Int. A (mm)	Furo 2 (mm)	Int. B (mm)	Int. C (mm)	Int. D (mm)	Int. E (mm)
DIMA	28	410,0	77,5	255,0	30,0	15,0	5,0	40,0	6,5	170,0	150,0	160,0	180,0

Suporte regulável completo (para banho ou chuveiro) união socket



Código	Ø	Uds. Caixa	Dn (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)	D1 (mm)	A-A (mm)	B-A (mm)	B-B (mm)	C-C (mm)
NGVF2012	20 mm	12	20,0	50,0	15,0	354,0	50,5	55,5	4,0	150,0	160,0	170,0	180,0
NGVF2512	25 mm	12	25,0	50,0	15,0	354,0	56,0	55,5	4,0	150,0	160,0	170,0	180,0

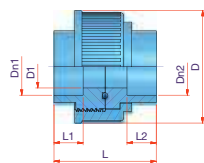
Suporte regulável completo (para banho ou chuveiro)



Código	Uds. Caixa	L (mm)	L1 (mm)	H (mm)	H1 (mm)	Agujero (mm)	Int. A (mm)	A-A (mm)	B-A (mm)	B-B (mm)	C-C (mm)
DIMARL	10	354,0	50,0	42,5	6,5	4,0	15,0	150,0	160,0	170,0	180,0

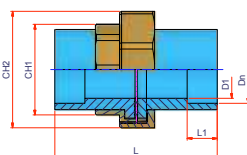
Acessórios termofusão roscados

Junção simples 3 peças PP-R união socket - Só à água fria



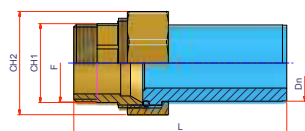
Código	Ø (mm)	Uds. Caixa	Dn1 (mm)	Dn2 (mm)	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)
NBRF20	20 mm	30	20,0	20,0	14,0	53,0	20,0	20,0	73,0
NBRF25	25 mm	26	25,0	25,0	18,0	57,0	20,0	20,0	70,0
NBRF32	32 mm	20	32,0	32,0	24,0	67,0	20,0	20,0	70,0
NBRF40	40 mm	18	40,0	40,0	29,0	77,0	20,0	20,0	70,0

União 3 peças F-F latão removível união socket - Só à água fria



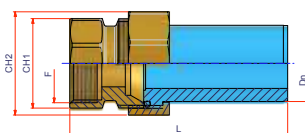
Código	Ø (mm)	Uds. Caixa	Dn (mm)	D1 (mm)	L1 (mm)	L (mm)	CH1 (mm)	CH2 (mm)
NCSJ20	20 mm	50	20-20	15,0	14,0	79,0	30,0	46,0
NCSJ25	25 mm	25	25-25	19,0	16,0	85,0	38,0	52,0
NCSJ32	32 mm	10	32-32	26,0	18,0	106,0	50,0	68,0
NCSJ40	40 mm	9	40-40	33,0	22,0	120,0	54,0	80,0
NCSJ50	50 mm	5	50-50	43,0	24,0	130,0	71,0	97,0
NCSJ63	63 mm	4	63-63	52,0	28,0	153,0	80,0	109,0

União 3 peças Macho rosca macho união socket - Só à água fria



Código	Ø (mm)	Uds. Caixa	Dn (mm)	F	L (mm)	CH1 (mm)	CH2 (mm)
NTCMT2012	20 mm	100	20,0	1/2"	90,0	22,0	29,0
NTCMT2534	25 mm	60	25,0	3/4"	98,0	26,0	38,0
NTCMT321	32 mm	35	32,0	1"	107,0	34,0	47,0
NTCMT40114	40 mm	20	40,0	1 1/4"	113,0	42,0	55,0
NTCMT50112	50 mm	13	50,0	1 1/2"	145,0	52,0	65,0
NTCMT632	63 mm	6	63,0	2"	146,0	64,0	81,0

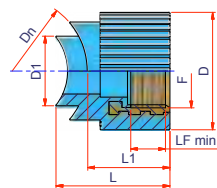
União 3 peças Macho rosca fêmea união socket - Só à água fria



Código	Ø (mm)	Uds. Caixa	Dn (mm)	F	L (mm)	CH1 (mm)	CH2 (mm)
NTCFT2012	20 mm	100	20,0	1/2"	89	24	30
NTCFT2534	25 mm	50	25,0	3/4"	89	32	38
NTCFT321	32 x 1"	30	32,0	1"	108	39	46
NTCFT40114	40 x 1 1/4"	20	40,0	1 1/4"	116	48	55
NTCFT50112	50 x 1 1/2"	13	50,0	1 1/2"	143	56	64
NTCFT632	63 x 2"	6	63,0	2"	146	70	82

Acessórios termofusão roscados

União rosca fêmea à união socket



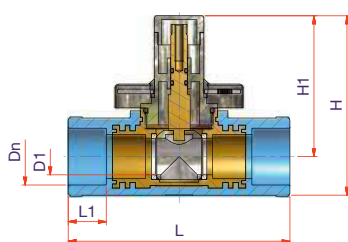
Código	Dn tubo (mm)	Dn agujero (mm)	Uds. Caixa	F	LF min (mm)	D1 (mm)	D (mm)	L1 (mm)	L (mm)
NGSF124050	40-50	25,0	70	1/2"	11,5	25,0	37,0	31,5	45,0
NGSF126375	63-75	25,0	70	1/2"	11,5	25,0	37,0	31,5	42,0
NGSF1290110125	90-110-125	25,0	70	1/2"	11,5	25,0	37,0	31,5	41,0
NGSF12160200	160-200	25,0	70	1/2"	11,5	25,0	37,0	31,5	40,0
NGSF12250315	250-315	25,0	1	1/2"	11,5	25,0	37,0	31,5	-
NGSF12355630	355-630	25,0	1	1/2"	11,5	25,0	37,0	31,5	-
NGSF344050	40-50	25,0	70	3/4"	13,2	25,0	42,0	33,5	47,0
NGSF346375	63-75	25,0	70	3/4"	13,2	25,0	42,0	33,5	44,0
NGSF3490110125	90-110-125	25,0	70	3/4"	13,2	25,0	42,0	33,5	43,0
NGSF34160200	160-200	25,0	70	3/4"	13,2	25,0	42,0	33,5	42,0
NGSF34250315	250-315	25,0	1	3/4"	13,2	25,0	42,0	33,5	42,0
NGSF34355630	355-630	25,0	1	3/4"	13,2	25,0	42,0	33,5	42,0
NGSF16375	63-75	32,0	40	1"	18,0	32,0	54,0	38,0	52,0
NGSF190110125	90-110-125	32,0	40	1"	18,0	32,0	54,0	38,0	50,0
NGSF1160200	160-200	32,0	1	1"	18,0	32,0	54,0	38,0	48,5
NGSF1250315	250-315	32,0	1	1"	18,0	32,0	54,0	38,0	48,0
NGSF1355630	355-630	32,0	1	1"	18,0	32,0	54,0	38,0	48,0



Torneira

Torneira

Torneira esfera corte completa NRS união socket



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	L1 (mm)	L (mm)	H1 (mm)	H (mm)
NRS20	20 mm	10	20,0	15,0	16,0	100,5	73,0	92,0
NRS25	25 mm	10	25,0	15,0	17,0	100,5	73,0	92,0
NRS32	32 mm	10	32,0	20,0	20,0	121,0	77,0	98,0

Peça substituição espelho para ref. NRS



Código	Ø	Uds. Caixa
NRSRC	20-25-32 mm	1

Peça substituição esfera para ref. NRS



Código	Ø	Uds. Caixa
NRSRS2025	20-25 mm	1
NRSRS32	32 mm	1

Peça substituição extensão para ref. NRS



Código	Ø	Uds. Caixa
NPROSF	20-25-32 mm	1

Punho para ref. NRS



Código	Ø	Uds. Caixa
NMAS	20-25-32 mm	1

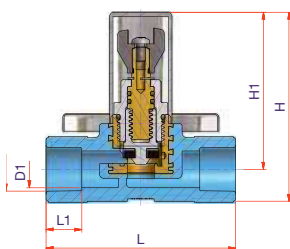
Alavanca para ref. NRS



Código	Ø	Uds. Caixa
NLRS	20-25-32 mm	1

Torneira

neira corte completa NRA união socket



Código	Ø	Uds. Caixa	Dn	D1 (mm)	L1 (mm)	L (mm)	H1 (mm)	H (mm)
NRA20	20 mm	10	20,0	16,5	16,0	85,0	70,5	85,0
NRA25	25 mm	10	25,0	23,5	20,0	100,0	79,0	97,0

Peças substituição corpo para ref. NRA



Código	Ø	Uds. Caixa
NCRA20	20 mm	20
NCRA25	25 mm	30

Peças substituição castleo para ref. NRA



Código	Tipo	Ø	Material	Uds. Caixa
NVIT20	A	20 mm	PPSU	1
NVIT25	B	25 mm	Latão	1

Peças substituição espelho para ref. NRA



Código	Ø	Uds. Caixa
NRARC	20-25 mm	1

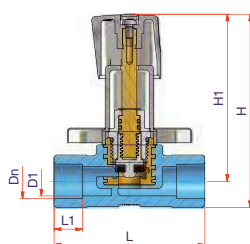
Extensão para ref. NRA



Código	Ø	Uds. Caixa
NPROVI	20-25 mm	10

Torneira

Torneira corte longa completa c/punho NRAPRO união socket



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	L1 (mm)	L (mm)	H1 (mm)	H (mm)
NRAPRO20	20 mm	10	20,0	16,5	16,0	85,0	94,0	109,0
NRAPRO25	25 mm	10	25,0	23,5	20,0	100,0	94,0	112,0

Punho para ref. NRA



Código	Ø	Uds. Caixa
NMAVI	para NRA 20-25 mm	10

Torneira corte inclinada completa NRAIN



Código	Ø	Uds. Caixa	Dn (mm)	D1 (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
NRAIN20	20 mm	20	20,0	16,5	16,0	78,0	116,0	78,0	110,0
NRAIN25	25 mm	16	25,0	23,5	17,0	93,0	135,0	92,0	122,0
NRAIN32	32 mm	9	32,0	28,0	20,0	115,0	165,0	114,0	150,0

Torneira

Válvula de esfera. Cuerpo em PP-R e bola latão níquel OT união socket



Código	Ø	Uds. Caixa	Dn (mm)
NRSPP20	20 mm	50	20,0
NRSPP25	25 mm	25	25,0
NRSPP32	32 mm	15	32,0
NRSPP40	40 mm	10	40,0
NRSPP50	50 mm	6	50,0

O fabricante se reserva o direito de alteração de cor da alça, dependendo dos estoques.



Aro soldar

EM CASO DE USO DE UMA VÁLVULA TIPO WAFER, FAVOR CONSULTAR A COMPATIBILIDADE para a total abertura da borboleta segundo o modelo escolhido.

Para qualquer consulta contactar com atencionalcliente@italsan.com

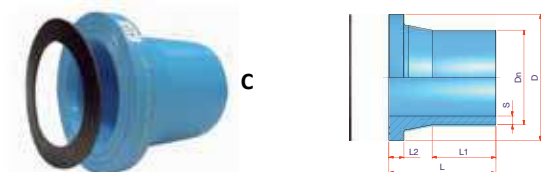
Aro soldar

Aro soldar



Código	Tipo	Ø	Uds, Caixa	Dn (mm)	D (mm)	D1 (mm)	D2 (mm)	L1 (mm)	L (mm)
ARO SOLDAR FÊMEA C/ O'RING UNIÃO SOCKET									
NCOSA32	A	32 mm	100	32,0	51,0	28,0	40,6	18,0	26,0
NCOSA40	A	40 mm	50	40,0	64,0	36,0	49,4	20,5	30,0
NCOSA50	A	50 mm	36	50,0	73,2	45,5	61,0	23,5	34,0
NCOSA63	A	63 mm	20	63,0	90,5	56,5	76,0	27,5	38,0
NCOSA75	A	75 mm	12	75,0	104,5	71,0	90,0	30,0	42,0
ARO SOLDAR FÊMEA C/ ANILHA PLANA UNIÃO SOCKET									
NCOSA90	B	90 mm	8	90,0	138,0	84,0	107,0	37,0	46,0
NCOSA110	B	110 mm	10	110,0	158,0	102,0	131,0	43,0	57,0
NCOSA125	B	125 mm	8	125,0	170,0	116,0	146,0	47,5	62,5

Aro soldar fêmea longo SDR11 soldadura topo-a-topo o acessório elétrico



Código	Tipo	Ø	Uds. Caixa	Dn (mm)	S (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)
NCRT16011	C	160 mm	1	160,0	14,6	212,0	105,0	25,0	180,0
NCRT20011	C	200 mm	1	200,0	18,2	268,0	125,0	32,0	200,0
NCRT25011	C	250 mm	1	250,0	22,7	320,0	132,0	35,0	207,0
NCRT31511*	C	315 mm	1	315,0	28,6	370,0	132,0	35,0	228,0

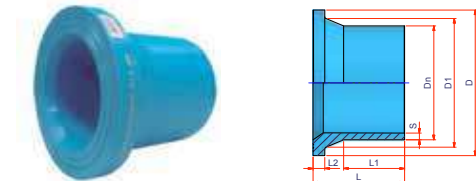
* Junta plana no incluída en este artículo.

Aro soldar fêmea curto SDR11 soldadura topo-a-topo



Código	Ø	Uds. Caixa	Dn (mm)	S (mm)	D (mm)	D1 (mm)	L1 (mm)	L2 (mm)	L (mm)
27NCART35511S	355 mm	1	355,0	32,2	430,0	373,0	35,0	40,0	115,0
27NCART40011S	400 mm	1	400,0	36,3	485,0	427,0	29,0	46,0	120,0
27NCART45011S	450 mm	1	450,0	40,9	585,0	514,0	15,0	60,0	135,0

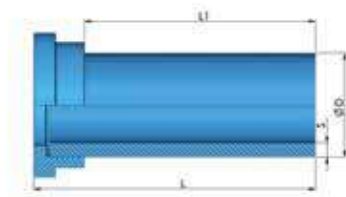
Aro soldar fêmea longo SDR17 soldadura topo-a-topo o acessório elétrico



Código	Ø	Uds. Caixa	Dn (mm)	S (mm)	D (mm)	D1 (mm)	L1 (mm)	L2 (mm)	L (mm)
NCRT16017	160 mm	1	160,0	9,5	212,0	175,0	105,0	18,0	180,0
NCRT20017	200 mm	1	200,0	11,9	268,0	232,0	120,0	24,0	200,0
NCRT25017	250 mm	1	250,0	14,8	320,0	285,0	142,0	25,0	207,0
NCRT31517	315 mm	1	315,0	18,7	370,0	335,0	152,0	25,0	217,0

Aro soldar

Aro soldar macho manipulado SDR17 união socket ou acessório elétrico



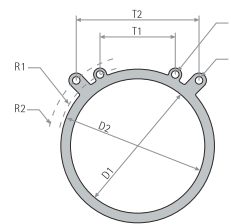
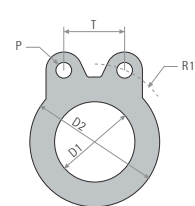
Código	Ø	Uds. Caixa	Dn (mm)	L (mm)	L1 (mm)	S (mm)
NCOSA40MAN	40 mm	1	40,0	230,0	200,0	5,5
NCOSA50MAN	50 mm	1	50,0	234,0	200,0	6,9
NCOSA63MAN	63 mm	1	63,0	238,0	200,0	8,7
NCOSA75MAN	75 mm	1	75,0	242,0	200,0	10,4
NCOSA90MAN	90 mm	1	90,0	246,0	200,0	12,5
NCOSA110MAN	110 mm	1	110,0	257,0	200,0	15,2
NCOSA125MAN	125 mm	1	125,0	262,5	200,0	17,1

Aro soldar fêmea curto SDR17 soldadura topo-a-topo



Código	Ø	Uds. Caixa	Dn (mm)	S (mm)	D (mm)	D1 (mm)	L1 (mm)	L2 (mm)	L (mm)
27NCART35517S	355 mm	1	355,0	21,1	430,0	373,0	45,0	30,0	115,0
27NCART40017S	400 mm	1	400,0	23,7	485,0	427,0	40,0	33,0	118,0
27NCART45017S	450 mm	1	450,0	26,7	585,0	514,0	24,0	46,0	130,0
27NCART50017S	500 mm	1	500,0	29,7	585,0	530,0	57,0	46,0	153,0
27NCART56017S	560 mm	1	560,0	33,2	658,0	615,0	15,0	50,0	125,0
27NCART63017S	630 mm	1	630,0	37,4	658,0	642,0	35,0	50,0	125,0

Anilha plana EPDM para aro soldar fêmea



Código	Tipo	Ø	Uds. Caixa	Dn	D1 (mm)	D2 (mm)	E (mm)	P (mm)	R1 (mm)	R2 (mm)	T (mm)	T2 (mm)
EGR90	A	90 mm	1	90,0	80,0	130,0	3,0	16,0	78,0	-	61,0	-
EGR110	A	110 mm	1	110,0	100,0	154,0	3,0	16,0	88,0	-	68,0	-
EGR125	A	125 mm	1	125,0	125,0	183,0	3,0	16,0	107,0	-	81,0	-
EGR160	A	160 mm	1	160,0	150,0	208,0	3,0	20,0	118,0	-	91,0	-
EGR200	A	200 mm	1	200,0	200,0	263,0	3,0	20,0	146,0	-	75,0	-
EGR250	A	250 mm	1	250,0	250,0	316,0	4,0	24,0	176,0	-	91,0	-
EGR315	A	315 mm	1	315,0	300,0	367,0	4,0	24,0	203,0	-	105,0	-
EGR355	A	355 mm	1	355,0	350,0	425,0	4,0	24,0	233,0	-	91,0	-
EGR400	A	400 mm	1	400,0	400,0	477,0	4,0	24,0	261,0	-	102,0	-
EGR450	A	450 mm	1	450,0	450,0	542,0	4,0	29,0	289,0	-	264,0	-
EGR500	B	500 mm	1	500,0	500,0	576,0	5,0	32,0	305,0	325,0	282,0	463,0
EGR630	B	630 mm	1	630,0	600,0	675,0	5,0	35,0	360,0	375,0	320,0	536,0

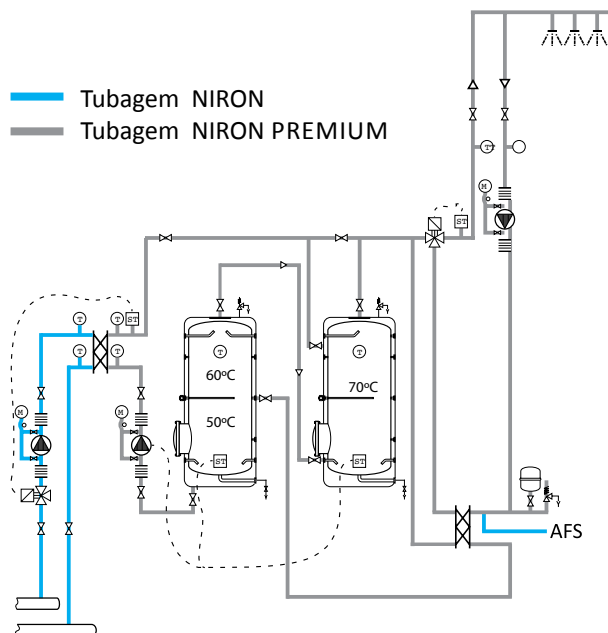
SISTEMA **NIRON PREMIUM**

A solução em salas de produção ACS

As condições de serviço e manutenção mais exigentes ocorrem no circuito secundário da instalação de ACS, em particular nas tubagens, acessórios e outros componentes da zona de acumulação e recirculação, onde se realizam os diversos tratamentos de desinfecção, muitas vezes com desinfetantes com cloro. A natureza oxidante destes tratamentos cria meios totalmente adversos em tubagens, tanto metálicas como poliméricas.

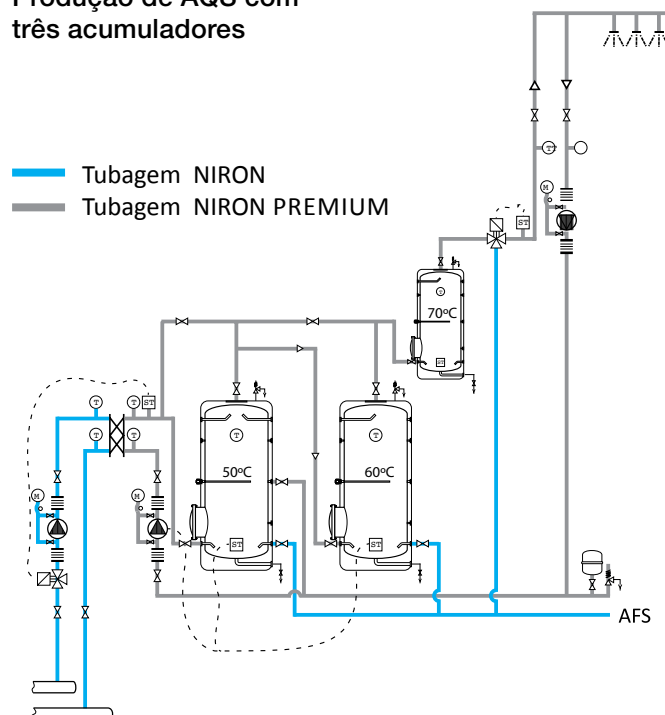
A gama de tubagens e acessórios do Sistema NIRON PREMIUM foi concebida e desenvolvida para dar resposta à degradação termo-oxidativa agravada pelo hipoclorito de sódio.

Produção de AQS com dois permutadores e dois acumuladores



A produção de AQS com dois permutadores de calor e dois acumuladores assegura uma temperatura homogênea e uniforme e mínimo de 60 °C no último acumulador e desinfecção térmica de retorno da AQS.

Produção de AQS com três acumuladores



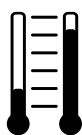
A produção de AQS com três tanques de armazenamento assegura uma temperatura homogênea e um mínimo de 60 °C no último acumulador, garantia de temperatura no pico do consumo com um terceiro tanque de armazenamento e desinfecção térmica de retorno da AQS.

Especificações técnicas



Matéria prima

- Sistema a 100%: tubos e acessórios com matéria-prima idêntica.
- Matéria-prima BOREALIS RA7050, cor cinzenta, pigmentada na origem.
- Antimicrobiano.



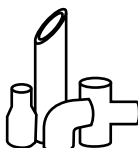
Resistência mecânica

- Tecnologia β -nucleação.
- Melhor desempenho a altas temperaturas.
- Maior resistência termomecânica expressa numa curva de regressão mais horizontal, garantindo assim a vida útil das instalações.
- Tubos e acessórios SDR 7,3/Série 3,2. Classe 1/10 bar, Classe 2/10 bar, Classe 4/10 bar, Classe 5/8 bar em conformidade com a norma EN ISO 15874.
- Esforço hidrostático aos 50 anos e 70 anos °C de 5 MPa vs. 3.2 MPa do polipropileno copolímero aleatório, tipo 3.



Resistência química

- Pacote de aditivos antioxidantes melhorados.
- Alta resistência às soluções de hipoclorito de sódio (NaClO).
- Classificação CL3 de resistência ao cloro de água quente em conformidade com ASTM F876 que superam ensaios de ASTM F2023: Ensaio para avaliação da resistência à degradação oxidativa de tubos e acessórios em instalações de água quente clorada.



Gama

- Roscas de latão sem chumbo, com rosca ISO ou NPT e teor de chumbo inferior às normas ambientais internacionais Pb < 0,2%.

Calidad certificada

- **AENOR RP 01.78:** certificado para gama de tubos em conformidade com o Regulamento Particular RP 01.78, Espanha.
- **ASTM F2023:** Standard Test Method for Evaluating the Oxidative Resistance of Tubing and Systems to Hot Chlorinated Water, Estados Unidos da América. Método de ensaio para a avaliação da resistência oxidativa do sistema de tubagem à água quente clorada, Estados Unidos.
- **ASTM F 2389-2010:** Sistema de tubagem em polipropileno (pp) com classificação de pressão, Estados Unidos. Especificações para sistemas de tubagens de polipropileno sob pressão, Estados Unidos.
- **NSF/ANSI Standar 14-2014:** Componentes do Sistema de Tubagem de Plástico e produtos relacionados Materiais, Estados Unidos. Cumprimento dos requisitos para sistemas de tubagens de plástico, Estados Unidos.
- **NSF/ANSI Standard 61-2014:** Componentes do Sistema de Água Potável - Efeitos na Saúde, Estados Unidos. Sistemas e componentes para água potável - Efeitos na saúde, Estados Unidos.
- **CSA B137.11-2009:** Tubo e acessórios de polipropileno (PP-R) para aplicações sob pressão, Canadá. Tubos e acessórios de polipropileno (PP-R) para aplicações sob pressão, Canadá.
- **ICC-ES LC1004:** Critérios de Listagem PMG para Tubagem PP, PEX, PEX-AL-PEX e PP-AL-PP. Tubos e acessórios utilizados em sistemas de aquecimento radiante e abastecimento de água. Lista de critérios para tubos PP, PEX, PEX-AL-PEX e PP-AL-PP. Tubos e acessórios utilizados em sistemas de aquecimento radiante e aquecimento de água. Estados Unidos e Canadá.





Tubulação

Tubulação composta PP-RCT RA7050

Tubulação composta NIRON CLIMA BETA SDR7,4/Série 3,2



Descrição

Tuberia composta PP-RCT RA7050+FV SDR7,4/SÉRIE 3,2
Cor cinzenta
Classe 1/10 bar, Classe 2/10 bar,
Classe 4/10 bar, Classe 5/8 bar

Fornecimento

Em barras de 4 m, 5,8 m o 6,1 metros

Certificados

AENOR RP 01.78, ASTM F2389, ASTM F2023, NSF14,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Ø Exterior (mm)	Espessura (mm)	Ø Interior (mm)	Peso por metro -tubos vazios- (kg/m)	Teor de água (l/m)	Embalagem (m x pacote)	Embalaje (m x pacote)
27TNIRCL2073B4	20	2,8	14,4	0,2	0,2	100	3000
27TNIRCL2573B4	25	3,5	18,0	0,3	0,3	100	2000
27TNIRCL3273B4	32	4,4	23,2	0,4	0,4	60	1320
27TNIRCL4073B4	40	5,5	29,0	0,6	0,7	40	800
27TNIRCL5073B4	50	6,9	36,2	1,0	1,0	20	560
27TNIRCL6373B4	63	8,6	45,8	1,5	1,7	16	352
27TNIRCL7573B4	75	10,3	54,2	2,1	2,3	12	240
27TNIRCL9073B4	90	12,3	65,4	3,0	3,4	8	160
27TNIRCL11073B4	110	15,1	79,8	4,5	5,0	8	112
27TNIRCL12573B4	125	17,1	90,8	5,8	6,5	4	80
27TNIRCL16073B4 *	160	21,9	116,2	9,4	10,6	4	-
27TNIRCL16073B5,8	160	21,9	116,2	9,4	10,6	5,8	-
27TNIRCL20073 *	200	27,4	145,2	15,6	16,6	6,1	-
27TNIRCL20073B5,8	200	27,4	145,2	15,6	16,6	5,8	-
27TNIRCL25073 *	250	34,2	181,4	24,4	25,9	6,1	-
27TNIRCL25073B5,8	250	34,2	181,4	24,4	25,9	5,8	-

* Em barras de 4 metros até durarem os estoques.

Tubulação composta PP-RCT RA7050

Pressão de trabalho tubulação composta NIRON CLIMA BETA SDR7,4/Série 3,2

NIRON CLIMA BETA SDR7,4/ Série 3,2

Classe	1	10
	2	10
	4	10
	5	8

CIRCUITO ABERTO

T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)
10	1	30,2
	5	29,3
	10	28,9
	25	28,4
	50	28,0
20	1	26,3
	5	25,4
	10	25,1
	25	24,6
	50	24,3
30	1	22,7
	5	22,0
	10	21,7
	25	21,2
	50	20,9
40	1	19,6
	5	18,9
	10	18,6
	25	18,2
	50	17,9
50	1	16,7
	5	16,1
	10	15,8
	25	15,5
	50	15,2
60	1	14,2
	5	13,6
	10	13,4
	25	13,1
	50	12,8
70	1	11,9
	5	11,4
	10	11,2
	25	10,9
	50	10,7
80	1	9,9
	5	9,5
	10	9,3
	25	9,1
95	1	7,4
	5	7,1

Circuito aberto: Coeficiente de segurança de 1,5 aplicado de acordo com a norma UNE EN 15874

CIRCUITO FECHADO

T máxima fluido (°C)	Anos no exercício contínuo	Pressão de serviço (bar)
10	1	36,2
	5	25,1
	10	34,7
	25	34,1
	50	33,6
20	1	31,5
	5	30,5
	10	30,1
	25	29,6
	50	29,2
30	1	27,3
	5	26,4
	10	26,0
	25	25,5
	50	25,1
40	1	23,5
	5	22,6
	10	22,3
	25	21,8
	50	21,5
50	1	20,1
	5	19,3
	10	19,0
	25	18,6
	50	18,3
60	1	17,0
	5	16,3
	10	16,0
	25	15,7
	50	15,4
70	1	14,3
	5	13,7
	10	13,5
	25	13,1
	50	12,9
80	1	11,9
	5	11,4
	10	11,2
	25	10,9
95	1	8,9
	5	8,5

Circuito fechado: Coeficiente de segurança de 1,25 aplicado de acordo com a norma DIN 8077/78

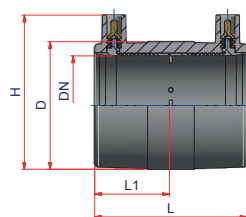


União electrossoldáveis

Manguitos PP-RCT electrosoldables

União SDR7,4 solda elétrica (Classe 1/10, 2/10, 4/10, 5/8)

(A)



Características

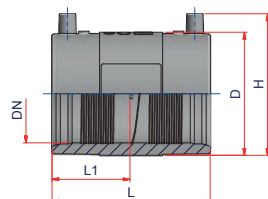
Material: PP-RCT RA7050 cor cinzenta

Sistema de união: Soldadura acessório elétrico

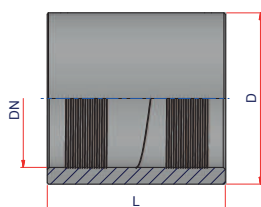
Certificados

AENOR RP 01.78, ASTM F2389, ASTM F2023, NSF14, NSF61, ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

(B)



(C)



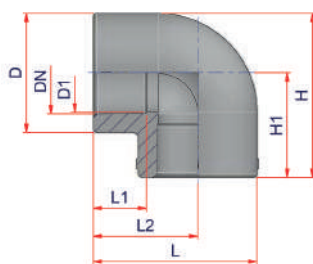
Código	Tipo	Dn	Uds. Caixa	L1 (mm)	L (mm)	H (mm)	D (mm)
27NME2073	A	20 mm	100	34,5	70,0	51,0	30,0
27NME2573	A	25 mm	120	34,0	70,0	58,0	38,5
27NME3273	A	32 mm	60	34,0	70,0	65,0	45,5
27NME4073	A	40 mm	50	41,5	85,0	75,0	55,0
27NME5073	A	50 mm	40	44,0	90,0	86,5	67,0
27NME6373	A	63 mm	30	48,0	98,0	98,0	82,0
27NME7573	A	75 mm	24	61,0	125,0	114,0	97,0
27NME9073	B	90 mm	30	72,0	146,0	130,0	113,0
27NME11073	B	110 mm	22	77,0	156,5	154,0	140,0
27NME12573	B	125 mm	16	82,0	166,5	170,0	160,0
27NME16073	C	160 mm	90	-	196,0	-	209,0
27NME20073	C	200 mm	42	-	232,0	-	255,0
27NME25073	C	250 mm	18	-	266,0	-	312,0



Acessórios termofusão

Acessórios termofusão

Joelho 90° união socket



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

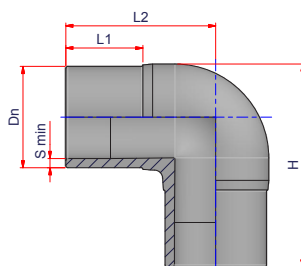
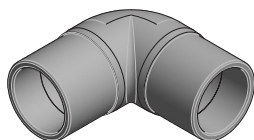
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61, ICC-ES LC 1004
PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn	Uds. Caixa	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
27NG20	20 mm	200	16,5	29,0	16,0	27,0	41,5	27,0	41,5
27NG25	25 mm	100	21,0	35,0	18,0	31,5	49,0	31,5	49,0
27NG32	32 mm	50	30,0	46,0	20,0	37,0	60,0	37,0	60,0
27NG40	40 mm	40	36,0	56,0	24,0	43,0	71,0	43,0	71,0
27NG50	50 mm	20	46,0	70,0	26,0	51,0	86,0	51,0	86,0
27NG63	63 mm	25	59,0	88,0	30,0	62,0	106,0	62,0	106,0
27NG75	75 mm	15	70,0	101,0	33,0	73,0	123,5	73,0	123,5
27NG90	90 mm	10	84,0	124,0	37,0	85,0	147,0	85,0	147,0
27NG110	110 mm	4	100,0	146,0	43,0	100,0	173,0	100,0	173,0
27NG125	125 mm	4	113,0	165,0	47,5	125,0	207,5	125,0	207,5

Joelho 90° SDR7,4 soldadura topo-a-topo o acessório elétrico

(A)



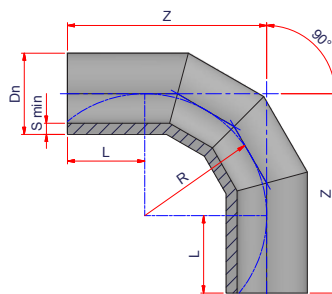
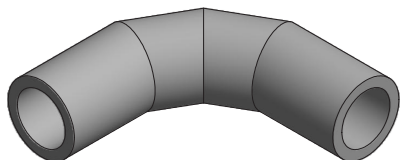
Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Soldadura topo-a-topo o acessório elétrico

Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61, ICC-ES LC 1004
PMG, CSA B137.11-2009, EN ISO 15874

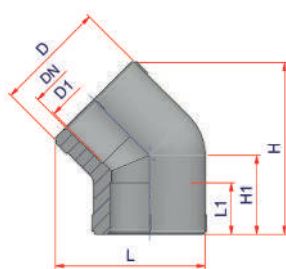
(B)



Código	Tipo	Dn	Uds. Caixa	S min. (mm)	L1 (mm)	L2 (mm)	H (mm)
27NG9073160MM	A	160 mm	1	21,9	110,0	217,0	303,0
27NG9073200MMB	B	200 mm	1	27,4	150,0	450,0	300,0
27NG9073250MMB	B	250 mm	1	34,2	250,0	625,0	375,0

Acessórios termofusão

Joelho 45° união socket



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

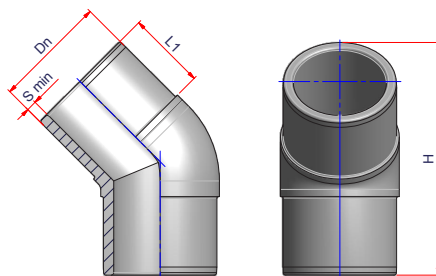
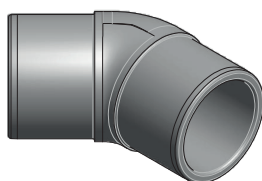
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61, ICC-ES LC 1004
PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn	Uds. Caixa	D1 (mm)	D (mm)	L1 (mm)	L (mm)	H1 (mm)	H (mm)
27NC4520	20 mm	200	17,0	20,0	16,0	16,0	16,0	16,0
27NC4525	25 mm	150	24,0	25,0	16,0	16,0	16,0	16,0
27NC4532	32 mm	40	30,0	32,0	20,0	20,0	20,0	20,0
27NC4540	40 mm	24	35,0	40,0	22,0	22,0	22,0	22,0
27NC4550	50 mm	26	44,0	50,0	25,0	25,0	25,0	25,0
27NC4563	63 mm	35	56,0	63,0	29,0	29,0	29,0	29,0
27NC4575	75 mm	16	70,0	75,0	33,0	33,0	33,0	33,0
27NC4590	90 mm	12	86,0	90,0	37,0	37,0	37,0	37,0
27NC45110	110 mm	6	100,0	110,0	43,0	43,0	43,0	43,0
27NC45125	125 mm	4	113,0	125,0	46,0	46,0	46,0	46,0

Joelho 45° SDR7,4 soldadura topo-a-topo o acessório elétrico

(A)



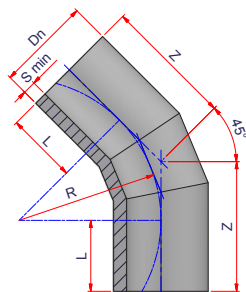
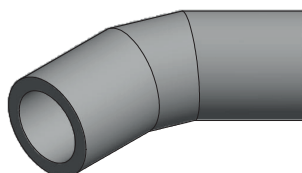
Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Soldadura topo-a-topo o acessório elétrico

Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61, ICC-ES LC 1004
PMG, CSA B137.11-2009, EN ISO 15874

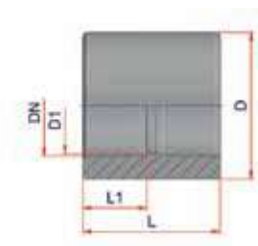
(B)



Código	Tipo	Dn	Uds. Caixa	S min. (mm)	L1 (mm)	L (mm)	H (mm)	Z (mm)	Z (mm)
27NC4573160MM	A	160 mm	1	14,6	103,0	-	311,0	-	-
27NC4573200MMB	B	200 mm	1	18,2	-	150,0	-	274,0	300,0
27NC4573250MMB	B	250 mm	1	22,7	-	250,0	-	412,0	375,0

Acessórios termofusão

União simples socket



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

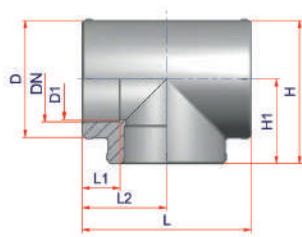
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61, ICC-ES LC 1004
PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn	Uds. Caixa	D1 (mm)	D (mm)	L1 (mm)	L (mm)
27NMAN20	20 mm	200	18,0	29,0	17,0	35,0
27NMAN25	25 mm	150	20,0	35,0	18,0	39,0
27NMAN32	32 mm	50	30,0	46,0	20,0	43,0
27NMAN40	40 mm	50	37,0	56,0	22,0	48,0
27NMAN50	50 mm	20	47,0	70,0	25,0	54,0
27NMAN63	63 mm	50	60,0	88,0	29,0	62,0
27NMAN75	75 mm	12	68,0	100,0	32,0	70,0
27NMAN90	90 mm	8	84,0	125,0	37,0	80,0
27NMAN110	110 mm	4	106,0	151,0	43,0	92,0
27NMAN125	125 mm	4	116,0	160,0	46,5	100,0

Acessórios termofusão

Tê união socket



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

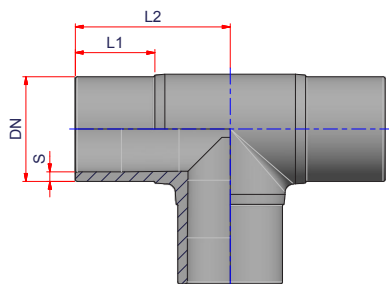
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61, ICC-ES LC 1004
PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn	Uds. Caixa	D1 (mm)	D (mm)	L1 (mm)	L (mm)	H1 (mm)	H (mm)
27NT20	20 mm	150	18,0	29,0	16,0	54,0	27,0	42,0
27NT25	25 mm	80	21,0	35,0	18,5	63,0	32,0	49,0
27NT32	32 mm	40	30,0	46,0	20,0	74,0	37,0	60,0
27NT40	40 mm	30	36,0	56,0	22,0	86,0	43,0	71,0
27NT50	50 mm	16	46,0	70,0	25,0	102,0	51,0	86,0
27NT63	63 mm	24	59,0	88,0	29,0	124,0	62,0	106,0
27NT75	75 mm	16	70,0	101,0	33,0	146,0	73,0	124,0
27NT90	90 mm	8	84,0	124,0	37,0	170,0	85,0	147,0
27NT110	110 mm	4	100,0	146,0	43,0	200,0	100,0	173,0
27NT125	125 mm	20	113,0	165,0	47,5	250,0	125,0	208,0

Tê - SDR7,4 soldadura topo-a-topo o acessório elétrico

(A)



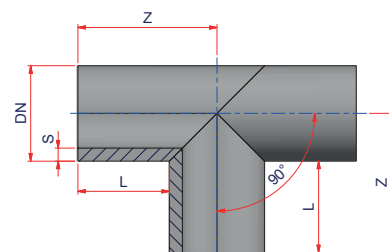
Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Soldadura topo-a-topo o acessório elétrico

Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61, ICC-ES LC 1004
PMG, CSA B137.11-2009, EN ISO 15874

(B)

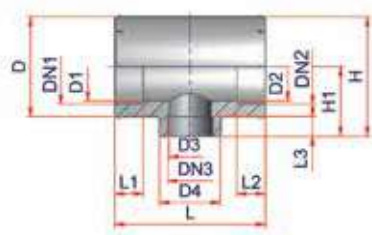


Código	Tipo	Dn	Uds. Caixa	S (mm)	L1 (mm)	L (mm)
27NT73160MM	A	160 mm	1	21,9	110,0	217,0
27NT73200MMB	B	200 mm	1	27,4	150,0	250,0
27NT73250MMB	B	250 mm	1	34,2	250,0	375,0

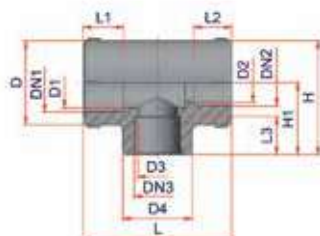
Acessórios termofusão

Tê redução união socket

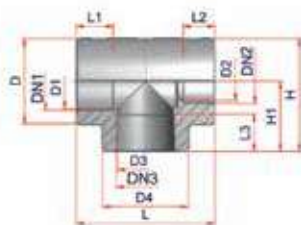
(A)



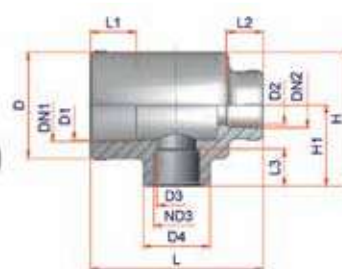
(B)



(C)



(D)



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

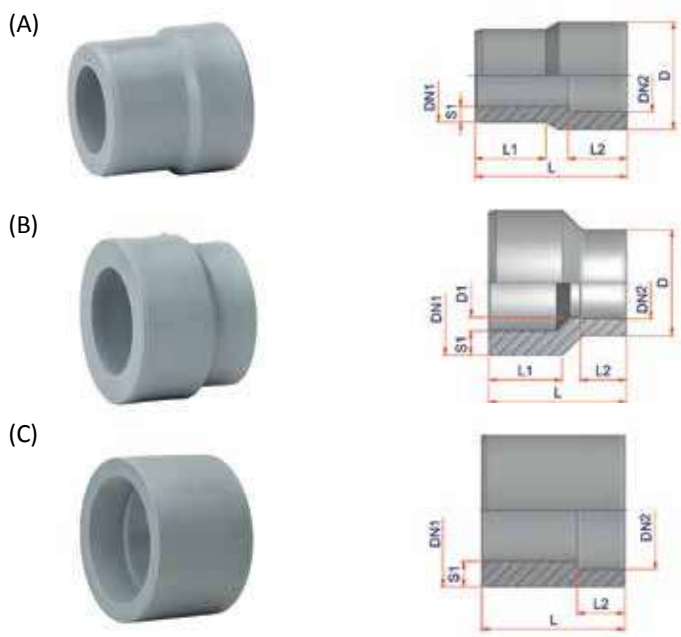
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Tipo	Ø (mm) (1 x 2 x 3)	Uds. Caixa	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	D (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L (mm)	H1 (mm)	H (mm)
27NTR252025	A	25 x 20 x 25	80	21,0	17,0	21,0	29,0	35,0	17,0	16,0	17,0	62,0	30,0	48,0
27NTR322032	A	32 x 20 x 32	40	30,0	30,0	17,0	29,0	46,0	20,0	16,0	20,0	75,0	35,0	58,0
27NTR322532	A	32 x 25 x 32	40	30,0	30,0	21,0	35,0	46,0	20,0	20,0	17,0	75,0	35,0	58,0
27NTR402040	A	40 x 20 x 40	20	36,0	36,0	17,0	33,0	53,0	24,0	24,0	16,0	74,0	39,0	66,0
27NTR402540	A	40 x 25 x 40	20	36,0	36,0	21,0	33,0	53,0	24,0	24,0	20,0	74,0	39,0	66,0
27NTR403240	A	40 x 32 x 40	18	35,0	35,0	30,0	54,0	54,0	22,0	22,0	20,0	87,0	43,0	70,0
27NTR502050	A	50 x 20 x 50	12	46,0	46,0	18,0	43,0	67,0	26,0	26,0	15,0	87,0	47,0	80,0
27NTR502550	A	50 x 25 x 50	10	46,0	46,0	22,0	43,0	67,0	26,0	26,0	19,0	87,0	47,0	81,0
27NTR503250	A	50 x 32 x 50	14	46,0	46,0	30,0	43,0	67,0	26,0	26,0	21,0	87,0	47,0	81,0
27NTR504050	A	50 x 40 x 50	8	43,0	43,0	36,0	66,0	66,0	24,0	24,0	22,0	102,0	50,0	83,0
27NTR632563	A	63 x 25 x 63	6	60,0	60,0	21,0	53,0	83,0	30,0	30,0	21,0	102,0	54,0	96,0
27NTR633263	A	63 x 32 x 63	10	60,0	60,0	30,0	53,0	83,0	30,0	30,0	21,0	102,0	54,0	96,0
27NTR634063	A	63 x 40 x 63	10	60,0	60,0	36,0	53,0	83,0	30,0	30,0	23,0	102,0	54,0	96,0
27NTR635063	A	63 x 50 x 63	6	56,0	56,0	46,0	67,0	84,0	29,0	209,0	25,0	124,0	62,0	104,0
27NTR753275	A	75 x 32 x 75	16	66,0	66,0	30,0	46,0	101,0	33,0	33,0	20,0	146,0	70,0	121,0
27NTR754075	A	75 x 40 x 75	16	66,0	66,0	37,0	56,0	101,0	33,0	33,0	24,0	146,0	70,0	121,0
27NTR755075	A	75 x 50 x 75	14	66,0	66,0	46,0	70,0	101,0	33,0	33,0	25,0	146,0	73,0	124,0
27NTR756375	A	75 x 63 x 75	16	66,0	66,0	59,0	86,0	101,0	33,0	33,0	29,0	146,0	73,0	124,0
27NTR906390	A	90 x 63 x 90	12	84,0	59,0	84,0	86,0	124,0	37,0	37,0	29,0	170,0	85,0	147,0
27NTR907590	A	90 x 75 x 90	10	84,0	70,0	84,0	101,0	124,0	37,0	37,0	33,0	170,0	85,0	147,0
27NTR11063110	A	110 x 63 x 110	5	100,0	100,0	59,0	86,0	146,0	43,0	43,0	33,0	200,0	100,0	173,0
27NTR11075110	A	110 x 75 x 110	5	100,0	100,0	69,0	101,0	146,0	43,0	43,0	33,0	200,0	100,0	173,0
27NTR11090110	A	110 x 90 x 110	4	100,0	100,0	85,0	122,0	146,0	43,0	43,0	37,0	200,0	100,0	173,0
27NTR12575125	A	125 x 75 x 125	20	113,0	113,0	69,0	101,0	165,0	48,0	48,0	33,0	250,0	115,0	198,0
27NTR12590125	A	125 x 90 x 125	20	113,0	113,0	85,0	122,0	165,0	48,0	48,0	37,0	250,0	115,0	198,0
27NTR125110125	A	125 x 110 x 125	20	113,0	113,0	100,0	146,0	165,0	48,0	48,0	43,0	250,0	120,0	203,0
27NTR252020	B	25 x 20 x 20	90	21,0	17,0	17,0	29,0	35,0	17,0	16,0	16,0	62,0	30,0	48,0
27NTR322525	B	32 x 25 x 25	40	30,0	21,0	21,0	35,0	46,0	17,0	17,0	20,0	75,0	35,0	58,0
27NTR252520	C	25 x 25 x 20	80	21,0	17,0	21,0	35,0	35,0	18,0	18,0	16,0	63,0	31,0	49,0
27NTR323225	C	32 x 32 x 25	40	30,0	21,0	30,0	46,0	46,0	17,0	20,0	20,0	75,0	38,0	61,0
27NTR322020	D	32 x 20 x 20	70	30,0	17,0	17,0	29,0	46,0	16,0	16,0	20,0	75,0	35,0	58,0
27NTR322025	D	32 x 20 x 25	50	30,0	17,0	17,0	29,0	46,0	20,0	17,0	17,0	75,0	35,0	58,0

Acessórios termofusão

Redução macho/fêmea união socket



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

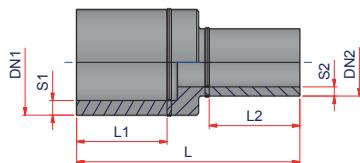
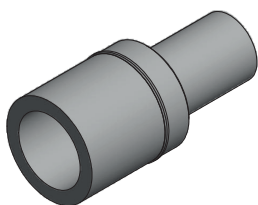
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Tipo	Dn1	Dn2	Uds. Caixa	S1 (mm)	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)
27NR2520	A	25 mm	20 mm	100	4,8	1,0	29,0	19,0	16,0	41,0
27NR3220	B	32 mm	20 mm	80	4,4	16,0	27,0	22,0	16,0	39,0
27NR3225	A	32 mm	25 mm	80	4,4	1,0	35,0	22,0	17,0	44,0
27NR4032	A	40 mm	32 mm	40	5,5	1,0	46,0	25,0	20,0	50,0
27NR5040	A	50 mm	40 mm	40	6,9	1,0	56,0	28,0	22,0	55,0
27NR6350	A	63 mm	50 mm	20	8,6	1,0	70,0	32,0	25,0	65,0
27NR7563	A	75 mm	63 mm	12	10,3	1,0	84,0	36,0	29,0	78,0
27NR9075	A	90 mm	75 mm	18	12,3	1,0	100,0	39,0	32,0	85,0
27NR11090	A	110 mm	90 mm	5	15,1	1,0	130,0	55,0	35,0	110,0
27NR125110	A	125 mm	110 mm	24	17,1	1,0	139,0	50,0	42,0	114,0
27NR4020	B	40 mm	20 mm	80	5,5	16,0	29,0	25,0	16,0	45,0
27NR4025	B	40 mm	25 mm	70	5,5	21,0	35,0	25,0	17,0	45,0
27NR5020	B	50 mm	20 mm	40	6,9	16,0	29,0	28,0	16,0	53,0
27NR5025	B	50 mm	25 mm	40	6,9	21,0	35,0	28,0	17,0	53,0
27NR5032	B	50 mm	32 mm	35	6,9	30,0	46,0	28,0	20,0	53,0
27NR6325	B	63 mm	25 mm	30	8,6	21,0	35,0	32,0	17,0	60,0
27NR6332	B	63 mm	32 mm	30	8,6	30,0	46,0	32,0	20,0	60,0
27NR6340	B	63 mm	40 mm	30	8,6	37,0	56,0	32,0	22,0	60,0
27NR7520	B	75 mm	20 mm	20	10,3	19,0	27,0	35,0	16,0	63,0
27NR7525	B	75 mm	25 mm	20	10,3	25,0	33,0	34,0	17,0	62,0
27NR7532	B	75 mm	32 mm	20	10,3	28,0	43,0	35,0	21,0	63,0
27NR7540	B	75 mm	40 mm	18	10,3	37,0	53,0	35,0	23,0	63,0
27NR7550	B	75 mm	50 mm	18	10,3	49,0	67,0	34,0	27,0	59,0
27NR11063	B	110 mm	63 mm	28	15,1	59,0	88,0	46,0	29,0	80,0
27NR9063	C	90 mm	63 mm	10	12,3	1,0	1,0	1,0	30,0	72,0
27NR11075	C	110 mm	75 mm	12	15,1	1,0	1,0	32,0	32,0	80,0
27NR12590	C	125 mm	90 mm	4	17,1	1,0	130,0	55,0	35,0	110,0
27NR160110	C	160 mm	110 mm	1	26,7	-	-	-	38,1	104,9
27NR160125	C	160 mm	125 mm	1	26,7	-	-	-	41,9	104,9

Acessórios termofusão

Redução SDR7,4 macho/macho soldadura topo-a-topo o acessório elétrico



Características

Material: PP-RCT RA7050 cor cinzenta

Sistema de união: Soldadura topo-a-topo o acessório elétrico

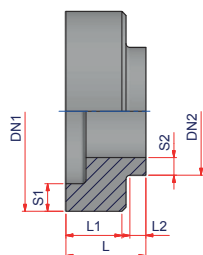
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,

ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn1	Dn2	Uds. Caixa	S1 (mm)	S2 (mm)	L1 (mm)	L2 (mm)	L (mm)
27NR1609073MMB	160 mm	90 mm	1	21,9	12,3	194,0	146,0	430,0
27NR16011073MMB	160 mm	110 mm	1	21,9	15,1	194,0	160,0	444,0
27NR16012573MMB	160 mm	125 mm	1	21,9	17,1	194,0	180,0	464,0
27NR20012573MMB	200 mm	125 mm	1	27,4	17,1	260,0	180,0	533,0
27NR20016073MMB	200 mm	160 mm	1	27,4	21,9	260,0	194,0	544,0
27NR25016073MMB	250 mm	160 mm	1	34,2	21,9	265,0	194,0	559,0

Redução curta SDR7,4 macho/macho soldadura topo-a-topo



Características

Material: PP-RCT RA7050 cor cinzenta

Sistema de unión: Soldadura topo-a-topo

Certificados

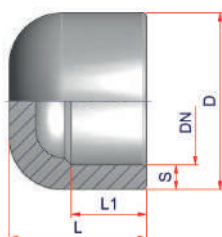
ASTM F2389, ASTM F2023, NSF14, NSF61,

ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn1	Dn2	Uds. Caixa	S1 (mm)	S2 (mm)	L1 (mm)	L2 (mm)	L (mm)
27NRCC1609073MM	160 mm	90 mm	1	21,9	12,3	50,0	20,0	80,0
27NRCC16011073MM	160 mm	110 mm	1	21,9	15,1	50,0	20,0	80,0
27NRCC16012573MM	160 mm	125 mm	1	21,9	17,1	50,0	20,0	80,0
27NRCC20012573MM	200 mm	125 mm	1	27,4	17,1	53,0	17,0	80,0
27NRCC20016073MM	200 mm	160 mm	1	27,4	21,9	53,0	17,0	80,0
27NRCC25016073MM	250 mm	160 mm	1	34,2	21,9	70,0	20,0	80,0
27NRCC25020073MM	250 mm	200 mm	1	34,2	27,4	70,0	20,0	80,0

Acessórios termofusão

Tampão união socket



Características

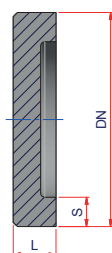
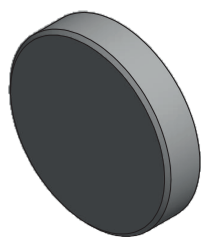
Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn	Uds. Caixa	D (mm)	L1 (mm)	L (mm)
27NCC20	20 mm	200	30,0	17,0	29,0
27NCC25	25 mm	130	35,5	18,0	34,0
27NCC32	32 mm	80	45,0	20,0	40,0
27NCC40	40 mm	50	54,0	22,0	42,0
27NCC50	50 mm	35	66,0	25,5	48,0
27NCC63	63 mm	30	83,0	36,0	56,0
27NCC75	75 mm	10	99,0	43,0	61,0
27NCC90	90 mm	30	120,0	34,0	62,0
27NCC110	110 mm	15	148,0	38,0	68,0
27NCC125	125 mm	14	168,0	47,5	80,5

Tampão SDR7,4 curto soldadura topo-a-topo



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de unión: Soldadura topo-a-topo

Certificados

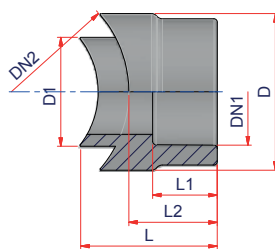
ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn	Uds. Caixa	S (mm)	L (mm)
27NCC16073MS	160 mm	1	21,9	30,0
27NCC20073MS	200 mm	1	27,4	34,0
27NCC25073MS	250 mm	1	34,2	56,0

Opção de Tampões longos manipulados para acessórios elétricos.

Acessórios termofusão

Enxerto de união socket



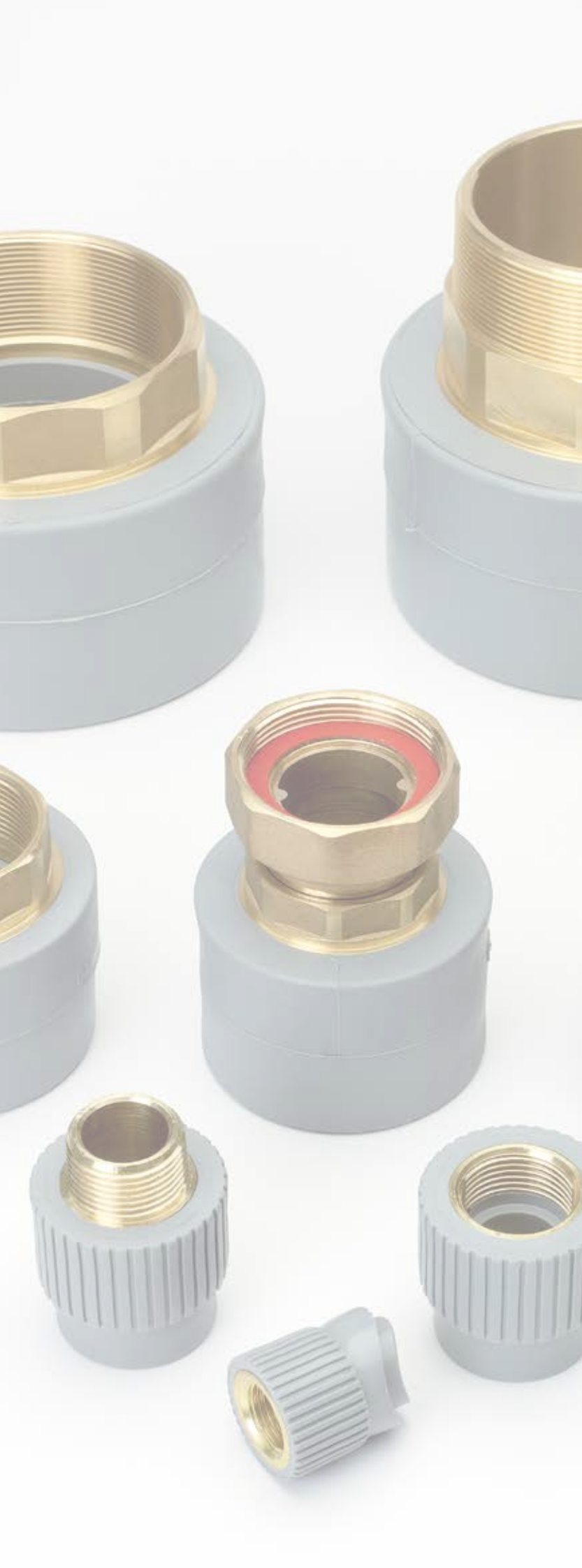
Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn1	Dn2	Uds. Caixa	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)
27NGS2040	20 mm	40 mm	200	25,0	35,0	15,0	20,0	37,0
27NGS2050	20 mm	50 mm	200	25,0	35,0	15,0	20,0	32,0
27NGS206375	20 mm	63/75 mm	100	25,0	35,0	15,0	20,0	30,0
27NGS2090110125	20 mm	90/110/125 mm	200	25,0	35,0	15,0	20,0	29,0
27NGS20160200	20 mm	160/200 mm	200	25,0	35,0	15,0	20,0	28,0
27NGS20250315	20 mm	250/315 mm	200	25,0	35,0	15,0	20,0	28,0
27NGS2540	25 mm	40 mm	130	25,0	35,0	16,5	22,0	38,0
27NGS2550	25 mm	50 mm	120	25,0	35,0	16,5	22,0	34,0
27NGS256375	25 mm	63/75 mm	100	25,0	35,0	16,5	22,0	32,0
27NGS2590110125	25 mm	90/110/125 mm	130	25,0	35,0	16,5	22,0	31,0
27NGS25160200	25 mm	160/200 mm	230	25,0	35,0	16,5	22,0	30,0
27NGS25250315	25 mm	250/315 mm	230	25,0	35,0	16,5	22,0	30,0
27NGS326375	32 mm	63/75 mm	60	32,0	46,0	19,0	26,0	40,0
27NGS3290110125	32 mm	90/110/125 mm	70	32,0	46,0	19,0	26,0	38,0
27NGS32160200	32 mm	160/200 mm	80	32,0	46,0	19,0	26,0	37,0
27NGS32250315	32 mm	250/315 mm	60	32,0	46,0	19,0	26,0	36,0
27NGS4090	40 mm	90 mm	50	40,0	58,0	21,0	28,0	43,0
27NGS40110	40 mm	110 mm	50	40,0	58,0	21,0	28,0	41,0
27NGS40125	40 mm	125 mm	50	40,0	58,0	21,0	28,0	41,0
27NGS40160200	40 mm	160/200 mm	60	40,0	58,0	21,0	28,0	39,0
27NGS40250315	40 mm	250/315 mm	60	40,0	58,0	21,0	28,0	38,0
27NGS5090	50 mm	90 mm	50	50,0	72,0	25,0	36,0	59,0
27NGS50110	50 mm	110 mm	50	50,0	72,0	25,0	36,0	54,0
27NGS50125	50 mm	125 mm	50	50,0	72,0	25,0	36,0	54,0
27NGS50160	50 mm	150 mm	50	50,0	72,0	25,0	36,0	53,0
27NGS50200	50 mm	200 mm	50	50,0	72,0	25,0	36,0	52,0
27NGS50250	50 mm	250 mm	50	50,0	72,0	25,0	36,0	51,0
27NGS63110	63 mm	110 mm	50	63,0	90,0	29,0	40,0	65,0
27NGS63125	63 mm	125 mm	50	63,0	90,0	29,0	40,0	63,0
27NGS63160	63 mm	160 mm	60	63,0	90,0	29,0	40,0	60,0
27NGS63200	63 mm	200 mm	60	63,0	90,0	29,0	40,0	58,0
27NGS63250	63 mm	250 mm	60	63,0	90,0	29,0	40,0	56,0

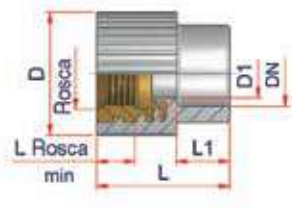


Acessórios roscados

Acessórios roscados

União roscada fêmea união socket

(A)



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

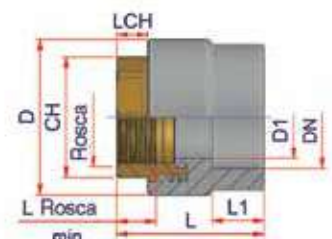
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Tipo	Dn	Uds. Caixa	D1 (mm)	D (mm)	Rosca	L1 (mm)	L (mm)	L Rosca mín. (mm)
27NRFF2012L	A	20 mm	70	14,0	37,0	1/2"	16,0	40,0	13,0
27NRFF2034L	A	20 mm	-	16,5	43,0	3/4"	20,5	46,0	14,0
27NRFF2512L	A	25 mm	-	14,0	37,0	1/2"	17,0	41,0	13,0
27NRFF2534L	A	25 mm	60	18,5	42,0	3/4"	17,0	46,0	14,0
27NRFF3234L	A	32 mm	40	18,5	46,0	3/4"	21,5	51,5	14,0
27NRFF321L	A	32 mm	30	24,0	54,0	1"	20,0	52,0	18,0

União roscada fêmea união socket

(B)



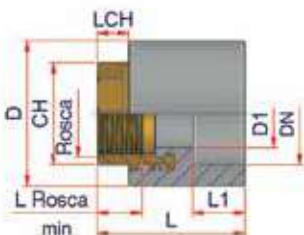
Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

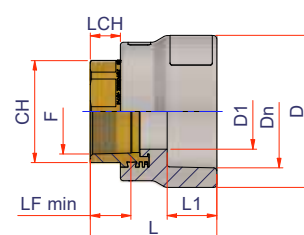
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

(C)



(D)

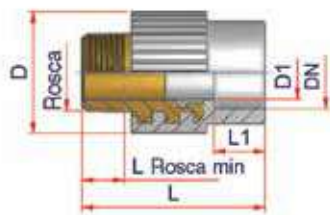


Código	Tipo	Dn	Uds. Caixa	D1 (mm)	D (mm)	Rosca	L1 (mm)	L (mm)	CH (mm)	LCH (mm)	L Rosca mín. (mm)
27NRFF401L	C	40 mm	-	24,0	56,0	1"	18,0	22,0	38,0	13,0	52,0
27NRFF40114L	B	40 mm	25	33,0	65,0	1 1/4"	21,4	22,0	46,0	15,0	67,0
27NRFF50112L	B	50 mm	18	39,5	75,0	1 1/2"	25,0	71,0	55,0	15,0	19,0
27NRFF50114L	D	50 mm	-	33,0	70,0	1" 1/4	25,0	71,0	46,0	15,0	21,4
27NRFF632L	B	63 mm	12	50,0	82,0	2"	29,0	80,0	65,0	20,0	23,7
27NRFF63112L	D	63 mm	-	39,5	88,0	1" 1/2	29,0	75,0	55,0	15,0	19,0
27NRFF752L	D	75 mm	-	50,0	103,0	2"	33,0	84,0	65,0	20,0	23,7
27NRFF75212L	B	75 mm	4	63,5	110,0	2 1/2"	33,0	89,0	80,0	25,0	30,2
27NRFF903L	B	90 mm	4	75,0	129,0	3"	37,0	99,0	95,0	24,0	33,3
27NRFF1104L	B	110 mm	2	99,5	160,0	4"	43,0	111,0	120,0	30,0	39,3
27NRFF1254L	C	125 mm	2	99,5	160,0	4"	47,5	115,5	120,0	30,0	39,3

Acessórios roscados

União roscada macho união socket

(A)



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

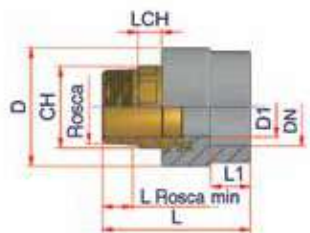
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Tipo	Dn	Uds. Caixa	D1 (mm)	D (mm)	Rosca	L1 (mm)	L (mm)	L Rosca mín. (mm)
27NRFM2012L	A	20 mm	70	14,1	37,0	1/2"	16,0	55,0	13,2
27NRFM2034L	A	20 mm	-	18,0	43,0	1/2"	20,5	63,0	14,5
27NRFM2512L	A	25 mm	60	14,1	37,0	1/2"	17,0	56,0	13,2
27NRFM2534L	A	25 mm	60	18,0	42,0	3/4"	17,5	62,0	14,5
27NRFM3234L	A	32 mm	40	18,0	45,5	3/4"	20,0	68,5	14,5
27NRFM321L	A	32 mm	26	24,0	54,0	1"	20,0	71,0	16,8

União roscada macho hexagonal união socket

(B)



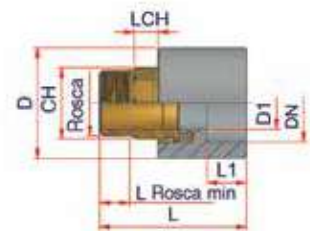
Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

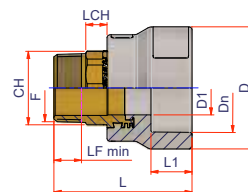
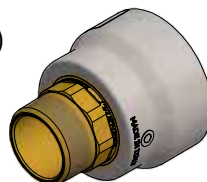
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

(C)



(D)



Código	Tipo	Dn	Uds. Caixa	D1 (mm)	D (mm)	Rosca	L1 (mm)	L (mm)	CH (mm)	LCH (mm)	L Rosca mín. (mm)
27NRFM401L	C	40 mm	-	24,0	56,0	1"	22,0	86,0	34,0	13,0	16,8
27NRFM40114L	B	40 mm	20	33,0	65,0	1 1/4"	22,0	91,0	42,0	15,0	19,1
27NRFM50112L	B	50 mm	15	33,0	70,0	1 1/2"	25,0	93,0	45,0	15,0	19,1
27NRFM50114L	D	50 mm	-	38,0	75,0	1" 1/4	25,0	93,5	50,0	15,0	19,1
27NRFM632L	B	63 mm	6	38,0	88,0	2"	29,0	97,5	52,0	15,0	19,1
27NRFM63112L	D	63 mm	-	49,5	92,0	1" 1/2	29,0	105,0	60,0	18,0	23,4
27NRFM752L	D	75 mm	-	49,5	103,0	2"	33,0	109,0	60,0	18,0	23,4
27NRFM75212L	B	75 mm	4	63,5	110,0	2 1/2"	33,0	112,0	80,0	20,0	26,7
27NRFM903L	B	90 mm	2	75,0	129,0	3"	37,0	129,0	90,0	23,0	29,8
27NRFM1104L	B	110 mm	2	99,5	160,0	4"	43,0	148,0	115,0	30,0	35,8
27NRFM1254L	C	125 mm	1	99,5	160,0	4"	47,5	152,5	115,0	30,0	35,8

Acessórios roscados

Joelho 90° roscado Fêmea união socket

(A)



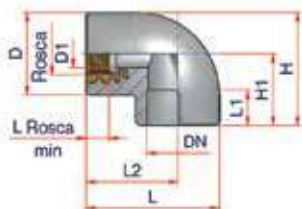
Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

Certificados

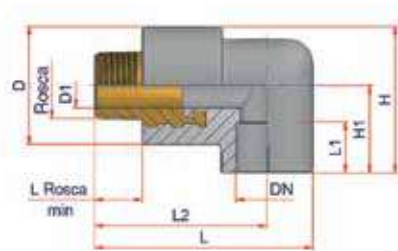
ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

(B)



Código	Tipo	Dn	Uds. Caixa	D1 (mm)	D (mm)	Rosca	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)	L Rosca mín. (mm)	CH (mm)	LCH (mm)
27NGF2012L	A	20 mm	60	14,0	37,0	1/2"	16,0	39,0	54,0	27,0	46,0	11,5	-	-
27NGF2512L	A	25 mm	50	14,0	37,0	1/2"	17,0	39,0	56,0	30,0	49,0	11,5	-	-
27NGF2534L	A	25 mm	50	19,0	42,0	3/4"	17,0	39,0	56,0	30,0	52,0	13,2	-	-
27NGF3212L	B	32 mm	35	14,0	42,0	1/2"	20,0	46,0	67,0	36,0	57,0	11,5	-	-
27NGF3234L	B	32 mm	35	19,0	42,0	3/4"	20,0	46,0	67,0	36,0	57,0	13,2	-	-
27NGF321L	B	32 mm	30	24,0	54,0	1"	20,0	46,0	67,0	47,0	74,0	17,8	-	-
27NGF401L	B	40 mm	-	24,0	57,0	1"	24,0	52,0	79,0	43,0	72,0	17,8	-	-
27NGF50114L	B	50 mm	-	33,0	70,0	1" 1/4	26,0	66,0	101,0	51,0	86,0	21,4	46,0	15,0
27NGF50112L	B	50 mm	-	40,0	70,0	1" 1/2	26,0	66,0	101,0	51,0	86,0	19,0	55,0	15,0
27NGF63112L	B	63 mm	-	40,0	88,0	1" 1/2	30,0	77,0	121,0	62,0	106,0	19,0	55,0	15,0
27NGF632L	B	63 mm	-	50,0	88,0	2"	30,0	82,0	126,0	62,0	106,0	23,7	65,0	20,0

Joelho 90° roscado Macho união socket



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

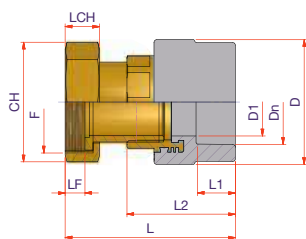
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn	Uds. Caixa	D1 (mm)	D (mm)	Rosca	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)	L Rosca mín. (mm)
27NGM2012L	20 mm	60	14,0	37,0	1/2"	16,0	54,0	68,5	27,5	46,0	13,2
27NGM2512L	25 mm	50	14,0	37,0	1/2"	17,0	54,0	71,5	30,5	49,0	13,2
27NGM2534L	25 mm	40	18,5	42,0	3/4"	17,0	56,0	73,5	30,5	51,5	14,5
27NGM3212L	32 mm	30	14,0	42,0	1/2"	20,0	61,0	82,0	36,0	57,0	13,2
27NGM3234L	32 mm	30	18,5	42,0	3/4"	20,0	63,0	84,0	36,0	57,0	14,5
27NGM321L	32 mm	25	24,0	54,0	1"	20,0	64,5	86,0	47,0	74,0	16,8

Acessórios roscados

União C/ Junção união socket



Características

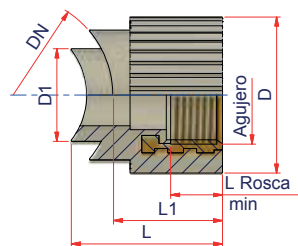
Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Ø	Uds. Caixa	Dn (mm)	Rosca	LF (mm)	D1 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	CH (mm)	LCH (mm)
27NBD2034L	20 mm	-	20,0	3/4"	10,8	14,1	37,0	16,0	40,0	62,0	30,0	14,0
27NBD251L	25 mm	-	25,0	1"	11,5	18,0	42,0	18,0	46,0	70,5	37,0	15,0
27NBD2534L	25 mm	20	25,0	3/4"	10,8	14,1	37,0	17,0	41,0	62,0	30,0	14,0
27NBD321L	32 mm	15	32,0	1"	11,5	18,0	45,5	21,5	51,0	76,0	37,0	15,0
27NBD32114L	32 mm	-	32,0	1"¼	14,0	24,0	54,5	20,0	53,0	81,0	46,0	18,0
27NBD40112L	40 mm	-	40,0	1"½	14,0	33,0	66,0	22,0	69,0	98,0	52,0	18,0
27NBD40114L	40 mm	20	40,0	1"¼	14,0	24,0	56,0	22,0	67,0	93,0	46,0	18,0
27NBD502L	50 mm	-	50,0	2"	17,5	39,5	76,5	25,0	72,0	107,0	64,5	24,0
27NBD50112L	50 mm	16	50,0	1"½	14,0	33,0	70,0	25,0	56,0	101,0	52,0	18,0
27NBD632L	63 mm	10	63,0	2"	17,5	39,5	88,0	29,0	75,0	110,0	64,5	24,0
27NBD63212L	63 mm	-	63,0	2"½	21,0	50,0	92,0	29,0	80,0	135,5	81,5	25,5

União roscada fêmea à união socket



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

Certificados

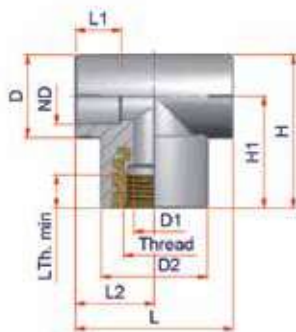
ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Dn	Uds, Caixa	Rosca	D1 (mm)	D (mm)	L1 (mm)	L (mm)	L Rosca mín, (mm)
27NGSF124050L	40/50 mm	70	1/2"	25,0	37,0	31,5	45,0	13,0
27NGSF126375L	63/75 mm	70	1/2"	25,0	37,0	31,5	42,0	13,0
27NGSF1290110125L	90/110/125 mm	70	1/2"	25,0	37,0	31,5	41,0	13,0
27NGSF12160200L	160/200 mm	-	1/2"	25,0	37,0	31,5	40,0	13,0
27NGSF12250315L	250/315 mm	-	1/2"	25,0	37,0	31,5	39,5	13,0
27NGSF344050L	40/50 mm	60	3/4"	25,0	42,0	33,5	47,0	14,0
27NGSF346375L	63/75 mm	60	3/4"	25,0	42,0	33,5	44,0	14,0
27NGSF3490110125L	90/110/125 mm	60	3/4"	25,0	42,0	33,5	43,0	14,0
27NGSF34160200L	160/200 mm	60	3/4"	25,0	42,0	33,5	42,0	14,0
27NGSF34250315L	250/315 mm	-	3/4"	25,0	42,0	33,5	41,5	14,0
27NGSF016375L	63/75 mm	40	1"	32,0	54,0	38,0	52,0	18,0
27NGSF0190110125L	90/110/125 mm	40	1"	32,0	54,0	38,0	50,0	18,0
27NGSF01160200L	160/200 mm	-	1"	32,0	54,0	38,0	48,5	18,0
27NGSF01250315L	250/315 mm	-	1"	32,0	54,0	38,0	48,0	18,0

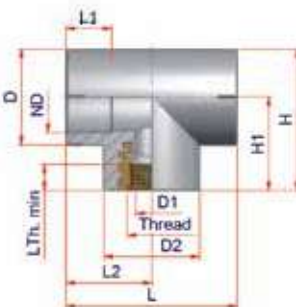
Acessórios roscados

Tê roscado fêmea união socket

(A)



(B)



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

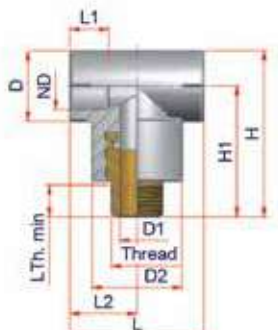
Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

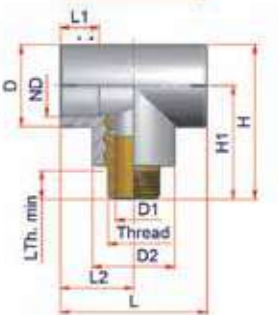
Código	Tipo	Ø	Uds. Caixa	Rosca	LF (mm)	D1 (mm)	D2 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H (mm)
27NTF2012L	A	20 mm	-	1/2"	11,5	14,1	37,0	29,0	16,0	27,5	27,5	39,0	53,5
27NTF2512L	A	25 mm	-	1/2"	11,5	14,4	37,0	35,0	17,0	30,5	30,5	39,0	56,5
27NTF2534L	A	25 mm	-	3/4"	13,2	18,5	42,0	35,0	17,0	30,5	30,5	39,0	56,5
27NTF3212L	B	32 mm	-	1/2"	11,5	14,1	42,0	42,0	20,0	37,5	37,5	41,0	62,0
27NTF3234L	B	32 mm	-	3/4"	13,2	18,5	42,0	42,0	20,0	37,5	37,5	41,0	62,0
27NTF3211L	B	32 mm	-	1"	17,8	24,0	54,0	42,0	20,0	47,0	47,0	39,0	68,0

Tê roscado macho união socket

(A)



(B)



Características

Material: PP-RCT RA7050 cor cinzenta
Sistema de união: Termofusão socket

Certificados

ASTM F2389, ASTM F2023, NSF14, NSF61,
ICC-ES LC 1004 PMG, CSA B137.11-2009, EN ISO 15874

Código	Tipo	Dn	Uds. Caixa	Rosca	LF (mm)	D1 (mm)	D2 (mm)	D (mm)	L1 (mm)	L2 (mm)	L (mm)	H1 (mm)	H1 (mm)
27NTM2012L	A	20 mm	-	1/2"	13,2	14,1	37,0	29,0	16,0	27,0	55,0	54,0	68,5
27NTM2512L	A	25 mm	-	1/2"	13,2	14,1	37,0	35,0	17,0	30,5	61,0	54,0	71,5
27NTM2534L	A	25 mm	-	3/4"	14,5	18,5	42,0	35,0	17,0	30,5	61,0	56,0	73,5
27NTM3212L	B	32 mm	-	1/2"	13,2	14,1	42,0	42,0	20,0	37,5	75,0	56,0	77,0
27NTM3234L	B	32 mm	-	3/4"	14,5	18,5	42,0	42,0	20,0	37,5	75,0	58,0	79,0
27NTM3211L	B	32 mm	-	1"	16,8	24,0	54,0	42,0	20,0	47,5	95,0	63,5	85,0



Torneira

Torneira

Torneira esfera corte completa NRS união socket



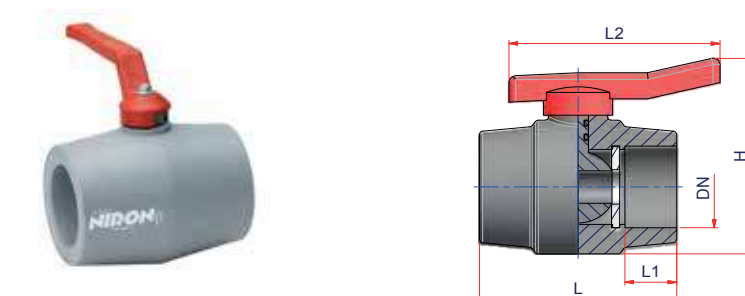
Código	Dn	Uds. Caixa	Dn (mm)	D1 (mm)	L1 (mm)	L (mm)	H1 (mm)	H (mm)
27NRS20	20 mm	10	20,0	15,0	16,0	100,5	73,0	92,0
27NRS25	25 mm	10	25,0	15,0	17,0	100,5	73,0	92,0
27NRS32	32 mm	10	32,0	20,0	20,0	121,0	77,0	98,0

Torneira corte completa NRA união socket



Código	Dn	Uds. Caixa	D1 (mm)	L1 (mm)	L (mm)	H1 (mm)	H (mm)
27NRA20	20 mm	10	16,5	16,0	85,0	70,7	85,0
27NRA25	25 mm	10	23,5	20,0	100,0	79,0	97,0

Válvula de esfera. Corpo em PP-R e bola latão níquel OT união socket



Código	Dn	Uds. Caixa
27NRSPP20	20 mm	1
27NRSPP25	25 mm	1
27NRSPP32	32 mm	1
27NRSPP40	40 mm	1
27NRSPP50	50 mm	1



Aro soldar

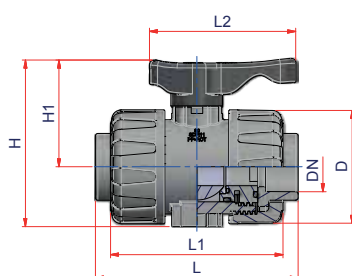


Válvulas

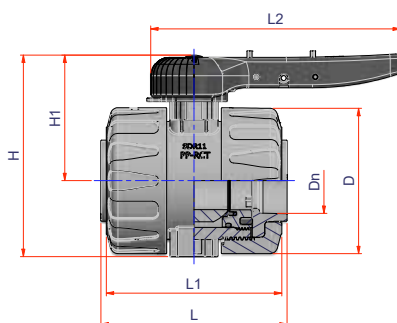
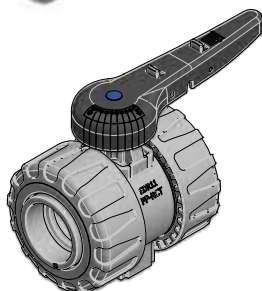
Válvulas

Válvula de esfera PN10. Corpo em PP-RCT RA7050 e esfera PP-RCT RA7050 união socket 60 °C/4 bar, 80 °C/2 bar

(A)



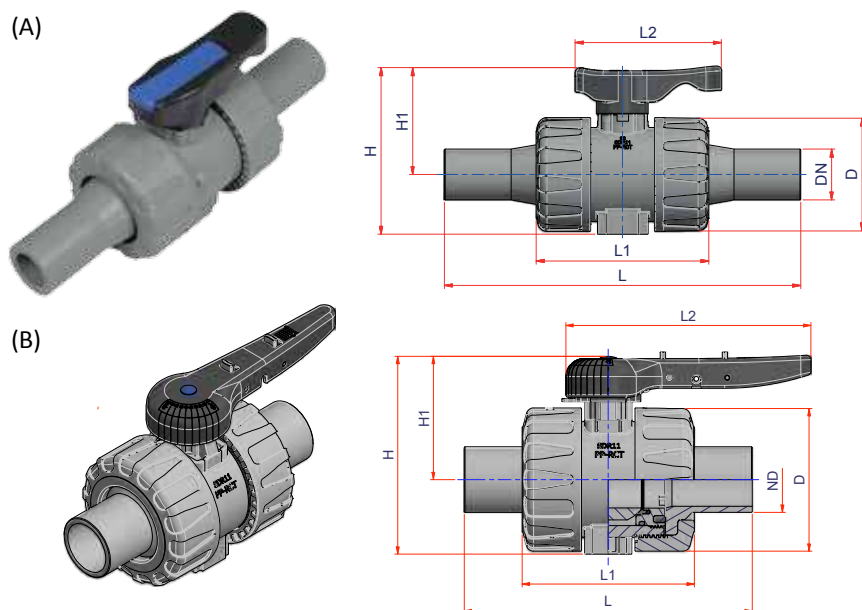
(B)



Código	Tipo	Dn	Uds, Caixa	L2 (mm)	L1 (mm)	L (mm)	D (mm)	H1 (mm)	H (mm)
27NRSPPRCT20	A	20 mm	1	92,5	109,0	124,0	71,5	68,5	106,0
27NRSPPRCT25	A	25 mm	1	92,5	109,0	126,0	71,5	68,5	106,0
27NRSPPRCT32	A	32 mm	1	92,5	109,0	128,0	71,5	68,5	106,0
27NRSPPRCT40	A	40 mm	1	134,0	153,5	176,5	122,0	110,0	173,0
27NRSPPRCT50	A	50 mm	1	134,0	153,5	184,5	122,0	110,0	173,0
27NRSPPRCT63	A	63 mm	1	134,0	153,5	197,0	122,0	110,0	173,0
27NRSPPRCT75	B	75 mm	1	339,0	238,0	244,0	198,0	176,0	279,0
27NRSPPRCT90	B	90 mm	1	339,0	238,0	244,0	198,0	176,0	279,0

Válvulas

Válvula de esfera. Corpo e esfera em PP-RCT RA7050, embocadura de conexão macho (60 °C/4 bar, 80 °C/2 bar)



Código	Tipo	Dn	Uds. Caixa	L2 (mm)	L1 (mm)	L (mm)	D (mm)	H1 (mm)	H (mm)
27NRSPRCTS25	A	25 mm	1	92,5	109,0	235,0	71,5	68,5	106,0
27NRSPRCTS32	A	32 mm	1	92,5	109,0	229,0	71,5	68,5	106,0
27NRSPRCTS40	A	40 mm	1	92,5	109,0	271,0	71,5	68,5	106,0
27NRSPRCTS50	A	50 mm	1	134,0	153,5	305,0	122,0	110,0	173,0
27NRSPRCTS63	A	63 mm	1	134,0	153,5	345,0	122,0	110,0	173,0
27NRSPRCTS75	A	75 mm	1	134,0	153,5	344,0	122,0	110,0	173,0
27NRSPRCTS90	B	90 mm	1	339,0	238,0	398,0	198,0	176,0	279,0
27NRSPRCTS110	B	110 mm	1	339,0	238,0	412,0	198,0	176,0	279,0

Válvula borboleta PN10. Corpo em PP União flangeada (60 °C/10 bar, 80 °C/6 bar)



Código	Ø	Uds. Caixa
EPDM63BM	63 mm	1
EPDM75BM	75 mm	1
EPDM90BM	90 mm	1
EPDM110BM	110 mm	1
EPDM125BM	125 mm	1
EPDM160BM	160 mm	1
EPDM200BM	200 mm	1

Válvulas

Válvulas

Recomendações básicas de instalação para válvulas de esfera

“Uma operação segura e apertada das válvulas pressupõe que elas sejam instaladas, manipuladas, unidas, mantidas e reparadas por pessoal qualificado e seguindo as recomendações do fabricante”

Preparação da válvula

A abertura e o fechamento da válvula devem ser realizados repetidamente antes da soldagem.

Procedimento de união

Válvulas modelo NRSP

A união por termofusão deve ser realizada com a alça no modo aberto e não fechá-la até que a temperatura da superfície da válvula seja ambiente. No caso de soldagem com a alça fechada, o superaquecimento no corpo da válvula pode ser gerado pela dissipação de calor que pode afetar as juntas internas, causando não aperto.

Válvulas modelo 27NSRPPRCT

- Antes do processo de termofusão, as porcas da união fêmea devem ser desenroscadas e a esfera colocada na posição aberta.
- Coloque a porca de união no tubo a ser soldado com a válvula.
- Solde o conector fêmea socket por termofusão.
- Respeite o tempo de arrefecimento.
- Monte a válvula sem esquecer o Oring.
- O aperto das porcas de união pode ser garantido por meio das abas de fixação projetadas para esse fim, localizadas na área central do corpo da válvula.
- Opcionalmente, a cor das abas de fixação e da placa de abertura da válvula pode ser alterada. O modelo possui as duas partes em azul e vermelho.
- Estas recomendações serão aplicadas sem prejuízo das indicações e recomendações garantidas pelo fabricante.

Manipulação da válvula

Não é recomendável manipular ou afrouxar as partes internas do corpo da válvula do modelo 27NSRPPRCT, a menos que haja uma alteração no esfera interna.



Suporte da válvula

Todas as válvulas ou qualquer elemento com volante ou alavanca manual devem ser instalados como pontos fixos na instalação. O objetivo é isolar os fenômenos de expansão no elemento e reduzir ou minimizar os momentos transmitidos ao tubulação durante seu manuseio.



Flanges

Flanges

Flange am alumínio PN16 para aro soldar fêmea soldadura socket o acessório elétrico. Sistema métrico EN 1092



Código	Ø Tubulação NIRON	Ø Interior flange (mm)	Ø Exterior flange (mm)	Uds, Caixa	Nº furos	Distância furos (mm)	Ø furos (mm)	Para conexão da torneira	PN
SOCKET									
NFLA32	32 mm	45,0	115,0	1	4	85,0	14,0	DN25 1"	10/16
NFLA40	40 mm	51,0	140,0	1	4	100,0	18,0	DN32 1 1/4"	10/16
NFLA50	50 mm	62,0	150,0	1	4	110,0	18,0	DN40 1 1/2"	10/16
NFLA63	63 mm	78,0	165,0	1	4	125,0	18,0	DN50 2"	10/16
NFLA75	75 mm	92,0	185,0	1	4	145,0	18,0	DN65 2 1/2"	10/16
NFLA90	90 mm	110,0	200,0	1	8	160,0	18,0	DN80 3"	10/16
NFLA110	110 mm	133,0	220,0	1	8	180,0	18,0	DN100 4"	10/16
NFLA125B	125 mm	149,0	250,0	1	8	210,0	18,0	DN125 5"	10/16
SOLDADURA TOPO-A-TOPO									
NFLA160	160 mm	178,0	285,0	1	8	240,0	22,0	DN150 6"	10/16
NFLA20016	200 mm	238,0	340,0	1	12	295,0	22,0	DN200 8"	16

Flange am alumínio PN10 para aro soldar fêmea soldadura topo-a-topo o acessório elétrico. Sistema métrico EN 1092



Código	Ø Tubulação NIRON	Ø Interior flange (mm)	Ø Exterior flange (mm)	Uds. Caixa	Nº furos	Distância furos (mm)	Ø furos (mm)	Para conexão da torneira	PN
NFLA20010	200 mm	238,0	340,0	1	8	295,0	22,0	DN200 8"	10
NFLA250	250 mm	288,0	395,0	1	12	350,0	22,0	DN250 10"	10
NFLA315	315 mm	338,0	445,0	1	12	400,0	22,0	DN300 12"	10
NFLA355	355 mm	376,0	505,0	1	16	460,0	22,0	DN350 14"	10
NFLA400	400 mm	430,0	565,0	1	16	515,0	25,0	DN400 16"	10
NFLA450	450 mm	517,0	670,0	1	20	620,0	26,0	DN500 20"	10
NFLA500	500 mm	533,0	670,0	1	20	620,0	25,0	DN500 20"	10

Flanges

Flange em aço com revestimento em PP para aro soldar fêmea soldadura socket o acessório elétrico. Sistema métrico 1092



Código	Ø Tubulação NIRON	Ø Interior flange (mm)	Ø Exterior flange (mm)	Uds, Caixa	Nº furos	Distância furos (mm)	Ø furos (mm)	Para conexão da torneira	PN
NFLA32PP	32 mm	42,0	115,0	1	4	85,0	14,0	DN25 1"	10/16
NFLA40PP	40 mm	51,0	140,0	1	4	100,0	18,0	DN32 1 1/4"	10/16
NFLA50PP	50 mm	62,0	150,0	1	4	110,0	18,0	DN40 1 1/2"	10/16
NFLA63PP	63 mm	78,0	165,0	1	4	125,0	18,0	DN50 2"	10/16
NFLA75PP	75 mm	92,0	186,0	1	4	145,0	18,0	DN65 2 1/2"	10/16
NFLA90PP	90 mm	108,0	202,0	1	8	160,0	18,0	DN80 3"	10/16
NFLA110PP	110 mm	135,0	220,0	1	8	180,0	18,0	DN100 4"	10/16

O fabricante se reserva o direito de alteração de cor do revestimento PP.

Flange em aço com revestimento em PP para aro soldar fêmea soldadura topo-a-topo o acessório elétrico. Sistema métrico EN 1092



Código	Ø Tubulação NIRON	Ø Interior flange (mm)	Ø Exterior flange (mm)	Uds, Caixa	Nº furos	Distância furos (mm)	Ø furos (mm)	Para conexão da torneira	PN
NFLA160PP	160 mm	178,0	285,0	1	8	240,0	22,0	DN150 6"	10-16
NFLA200PP	200 mm	235,0	340,0	1	8	295,0	22,0	DN200 8"	10
NFLA200PP16	200 mm	235,0	340,0	1	12	295,0	22,0	DN200 8"	16
NFLA250PP	250 mm	288,0	409,0	1	12	350,0	22,0	DN250 10"	10
NFLA250PP16	250 mm	288,0	418,0	1	12	355,0	26,0	DN250 10"	16
NFLA315PP	315 mm	338,0	463,0	1	12	400,0	23,0	DN300 12"	10
NFLA315PP16	315 mm	338,0	478,0	1	12	410,0	26,0	DN300 12"	16
NFLA355PP	355 mm	376,0	515,0	1	16	460,0	22,5	DN350 14"	10
NFLA355PP16	355 mm	376,0	530,0	1	16	470,0	26,0	DN350 14"	16
NFLA400PP	400 mm	430,0	574,0	1	16	515,0	26,0	DN400 16"	10
NFLA400PP16	400 mm	430,0	599,0	1	16	525,0	30,0	DN400 16"	16
NFLA450PP	450 mm	517,0	678,0	1	20	620,0	26,0	DN500 20"	10
NFLA500PP	500 mm	533,0	678,0	1	20	620,0	26,0	DN500 20"	10
NFLA560PP	560 mm	618,0	789,0	1	20	725,0	26,0	DN600 24"	10
NFLA630PP	630 mm	645,0	789,0	1	20	725,0	26,0	DN600 24"	10

O fabricante se reserva o direito de alteração de cor do revestimento PP.



Abraçadeiras

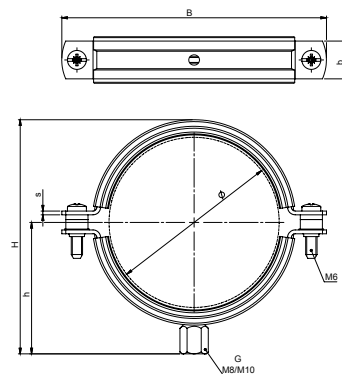
Abraçadeiras NIRON

Abraçadeiras isofônicas com borracha lisa



Descrição

- Abraçadeira isofônica com borracha EPDM azul RAL 5012 lisa
- Para realização de pontos fixos e pontos deslizantes
- Isolamento de ruído de acordo DIN 4109
- Duplo rosca
- Tem espaçadores removíveis
- Parafusos de segurança com arruelas anti-perdas
- Material: Aço galvanizado
- Reação ao fogo de borracha. B2 de acordo DIN 4102



Código	Para tubulação Ø (mm)	Uds. Caixa	G	b x S (mm)	Espaçadores para cada rosca			B (mm)	H (mm)	h (mm)
					Amarelo 5 mm (0,2")	Crepe 4 mm (0,16")	Verde 2,5 mm (0,1")			
AB115022AZ	20 mm	50	M8/M10	20 x 1,25	2	2		66,0	49,0	32,2
AB115028AZ	25 mm	50	M8/M10	20 x 1,25	2	2		71,0	54,0	34,7
AB115035AZ	32 mm	50	M8/M10	20 x 1,25	2	2		79,0	61,0	38,2
AB115040AZ	40 mm	25	M8/M10	20 x 1,25	2	2	2	87,0	73,3	44,0
AB115048AZ	50 mm	25	M8/M10	20 x 1,25	2	2	2	93,0	84,3	49,5
AB115060AZ	63 mm	25	M8/M10	20 x 1,25	2	2		105,0	98,8	56,7
AB115075AZ	75 mm	25	M8/M10	20 x 1,50	4			127,0	108,0	61,5
AB115090AZ	90 mm	25	M8/M10	20 x 2,00	4	2		140,0	123,8	69,5
AB115110AZ	110 mm	25	M8/M10	23 x 2,00	6	2		161,0	145,8	80,5
AB115125AZ	125 mm	25	M8/M10	23 x 2,00	6		2	180,0	158,8	86,8
AB115160AZ	160 mm	25	M8/M10	25 x 2,00	6	2		228,0	199,0	107,0
AB115200AZ	200 mm	25	M8/M10	25 x 2,00	4	4		263,0	237,0	128,0

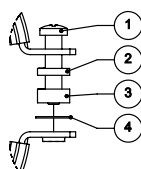
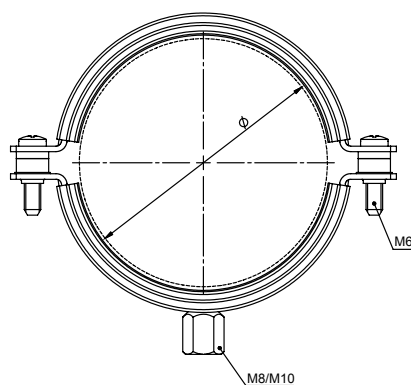
- Abraçadeiras isofônicas NIRON de acordo DIN 4109
- Recomendações para instalação da tubulação de PPR NIRON
- Adequado para a realização de pontos fixos e pontos deslizante

Melhorias Abraçadeiras NIRON

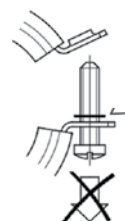
O interior do revestimento da gama de borracha lisa, melhora o deslizamento da tubação em caso de porpor a instalação deslizante.

A mesma abraçadeira tem umas arruelas removíveis e parafusos de segurança com arruela anti-perda.

Os espaçadores são destinados a permitir o deslizamento do tubo devido à expansão pelo efeito da temperatura ou, no caso de ser removida, permitir a realização de um ponto fixo.



Mecanismo de arruela anti-pérdida

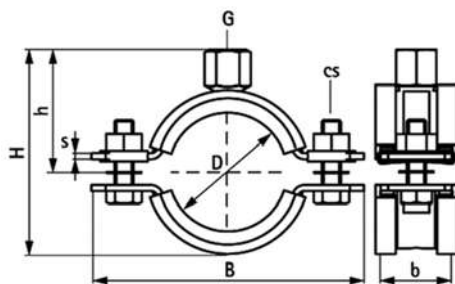


1. Parafuso métrico M6
2. Arruela plástica espaçadora *
3. Arruela plástica espaçadora *
4. Arruela anti-perda

(*) Configuração do número de arruelas espaçadoras, espessuras e cores, dependendo do diâmetro fixado na tabela superior.

Abraçadeiras NIRON

Abraçadeira isofônica para pesada carga para diâmetros grandes (M16)



Código	Ø	Uds. Caixa	D (")	Dn (mm)	G (mm)	B (mm)	H (mm)	h (mm)	b x s (mm)
AB33168250	240/250 mm	2	-	-	M16	345,0	302,0	163,0	38 x 4,0
AB33168325	315/325 mm	2	12,0	300,0	M16	414,0	374,0	198,0	48 x 5,0
AB33168364	354/364 mm	2	14,0	350,0	M16	453,0	412,0	217,0	48 x 5,0
AB33168408	398/408 mm	2	16,0	400,0	M16	497,0	456,0	239,0	48 x 5,0
33168458	448/458 mm	2	18,0	450,0	M16	548,0	506,0	264,0	48 x 5,0

Recomendações de instalação



Cálculo programa abraçadeiras e liras dimensionadas e braços de expansão da tubação NIRON

A ferramenta fornece uma maneira rápida e simples o número de abraçadeiras e dimensionamento de liras e braços com base na instalação de medição, diâmetro de tubação Niron e temperatura do fluido acumulou.

Consulte o manual técnico NIRON a tabela de distâncias entre abraçadeiras para cada tipo de tubulação ou baixar o programa Italsupport de pagina:
www.italsan.com/area-tecnica



Colares de derivação electrossoldáveis

Colares de derivação electrossoldáveis

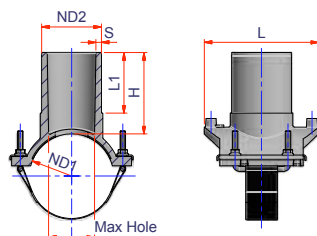
Uma solução diferencial no sistema PP-R NIRON



O constante desenvolvimento e inovação em produtos e especialização como produtores de acessórios electrossoldáveis se tornou realidade a nova gama de colares de derivação electrossoldáveis SDR11 em Polipropileno.

Mais uma vez, contribuimos para a instalação de um solução versátil e adaptável a qualquer instalação existente.

Colar de derivação saída macho SDR11 soldadura elétrica (classe 1/6, classe 2/4, classe 4/6)



Código	Dn1 (mm)	Dn2 (mm)	Uds. Caixa	S (mm)	L1 (mm)	L (mm)	H (mm)	Agujero máx. (mm)
27NCOL11090	110,0	90,0	1	8,1	89,9	169,9	119,9	70,1
27NCOL12575	125,0	75,0	1	6,9	89,9	169,9	119,9	58,9
27NCOL12590	125,0	90,0	1	8,1	89,9	169,9	119,9	70,1
27NCOL16075	160,0	75,0	1	6,9	89,9	169,9	119,9	58,9
27NCOL16090	160,0	90,0	1	8,1	89,9	169,9	119,9	70,1
27NCOL20075	200,0	75,0	1	6,9	89,9	169,9	119,9	58,9
27NCOL20090	200,0	90,0	1	8,1	89,9	169,9	119,9	70,1
27NCOL200110	200,0	110,0	1	9,9	98,0	199,9	130,1	87,1
27NCOL200125	200,0	125,0	1	11,4	98,0	199,9	130,1	100,1
27NCOL25090	250,0	90,0	1	8,1	98,0	199,9	130,1	70,1
27NCOL250110	250,0	110,0	1	22,9	98,0	199,9	130,1	87,1
27NCOL250125	250,0	125,0	1	11,4	98,0	199,9	130,1	100,1
27NCOL31590	315,0	90,0	1	8,1	98,0	199,9	130,1	70,1
27NCOL315110	315,0	110,0	1	9,9	98,0	199,9	130,1	100,1
27NCOL315125	315,0	125,0	1	11,4	98,0	199,9	130,1	100,1

Procedimento de instalação



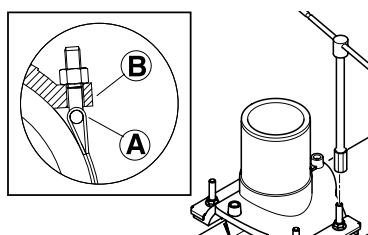
1 Marcar o comprimento do acessório e marque a área de soldadura com um marcador. Raspar a superfície do tubo cuidadosamente com um raspador.



2 Após a raspagem, remova a sujeira e a graxa da área de soldadura do tubo e dentro do assento da colar, usando um agente de limpeza apropriado. Aguarde até que as peças limpas estejam completamente seco.



3 Coloque o assento da colar no tubo e tenha cuidado para não sujar o superfícies previamente limpas.



4 Fixar o assento do colar de derivação ao tubo com correias flexíveis. Use uma chave apertar as quatro porcas até o parafuso em U (A) e a parte superior da colar (B) estão emperfeito contato.



5 Conectar os dois terminais da soldadora eléctrica aos conectores do colar eléctrico e siga o procedimento soldadura usual para acessórios electrossoldáveis. Os parâmetros de tempo e tensão são sempre definidos no código de barras do colar.
(Ver Manual Técnico Niron).



6 No final do tempo de arrefecimento, é possível iniciar o ensaio de pressão. Na tabela em anexo, você encontrará o tempo de espera recomendado em MINUTES antes de iniciar o ensaio.



7 Prossiga com a perfuração do tubo com uma broca ou um elemento de perfuração adequado, verificando se o diâmetro da broca e o comprimento são compatíveis com o interior do tubo principal e o derivação.
NUNCA PERFURE O TUBO ANTES DA SOLDADURA OU ANTES DE COMPLETAR O PROCESSO DE SOLDADURA.

Tempo de espera para teste de pressão após a soldadura

Ø Tubo primário (mm)	Teste de pressão < 6 bar	Teste de pressão > 6 bar
63- 315	Tempo de arrefecimento do colar (cooling time) + 20 minutos	Tempo de arrefecimento do colar (cooling time) + 60 minutos

Colares de derivação electrossoldáveis

Uma solução diferencial no sistema PP-R NIRON

Os novos colares de derivação electrossoldáveis do sistema NIRON em SDR 11 com saída macho são uma solução versátil e adaptável a qualquer instalação existente.

Exemplos:

- Para colocar um ramal num tubo principal.
- Quando não é possível cortar uma secção e inserir um TE.
- A instalação deste acessório permite poupar no número de soldaduras a efetuar e nos tempos de trabalho.





Ferramentas

Ferramentas

Matrizes para acessórios união socket



Código	Ø	Uds. Caixa
NMATRICE16A *	16 mm	1
NMATRICE20A	20 mm	1
NMATRICE25A	25 mm	1
NMATRICE32A	32 mm	1
NMATRICE40A	40 mm	1
NMATRICE50A	50 mm	1
NMATRICE63A	63 mm	1
NMATRICE75A	75 mm	1
NMATRICE90A	90 mm	1
NMATRICE110A	110 mm	1
NMATRICE125A	125 mm	1

* Até final das existências.

Matriz P/Soldador para fusão directa uniões NGS E NGSF



Código	Para el injerto	Ø	Uds. Caixa
NMATGS4025	NGS2040 - NGS2540	40/25 mm	1
NMATGS5025	NGS2050 - NGS2550 - NGSF124050 - NGSF344050	50/25 mm	1
NMATGS637525	NGS206375 - NGS256375 - NGSF126375 - NGSF346375	63-75/25 mm	1
NMATGS9011012525	NGS2090110125 - NGS2590110125 - NGSF1290110125 - NGSF3490110125	90-110-125/25 mm	1
NMATGS16020025	NGS20160200 - NGS25160200 - NGSF12160200 - NGSF34160200	160-200/25 mm	1
NMATGS637532	NGS326375 - NGSF16375	63-75/32 mm	1
NMATGS9011012532	NGS3290110125 - NGSF190110125	90-110-125/32 mm	1
NMATGS16020032	NGS32160200	160-200/32 mm	1
NMATGS9040	NGS4090	90/40 mm	1
NMATGS11040	NGS40110	110/40 mm	1
NMATGS12540	NGS40125	125/40 mm	1
NMATGS16020040	NGS40160200	160-200/40 mm	1
NMATGS25040	NGS40250315	250/40 mm	1
NMATGS9050	NGS5090	90/50mm	1
NMATGS11050	NGS50110	110/50 mm	1
NMATGS12550	NGS50125	125/50 mm	1
NMATGS16050	NGS50160	160/50 mm	1
NMATGS20050	NGS50200	200/50 mm	1
NMATGS25050	NGS50250	250/50 mm	1
NMATGS31563050	NGS50315 - NGS50355450 - NGS50500630	315-355-450-500-630/50 mm	1
NMATGS11063	NGS63110	110/63 mm	1
NMATGS12563	NGS63125	125/63 mm	1
NMATGS16063	NGS63160	160/63 mm	1
NMATGS20063	NGS63200	200/63 mm	1
NMATGS25063	NGS63250	250/63 mm	1
NMATGS31563063	NGS63315 - NGS63355450 - NGS63500630	315-355-450-500-630/63 mm	1

Ferramentas

Broca para tubo fusão directa uniões NGS e NGSF



Código	Tipo	Ø	Uds. Caixa
NFGS25	A	25 (agujero Ø 23 mm)	1
NFGS32	A	32 (agujero Ø 30 mm)	1
NFGS40	B	40 (agujero Ø 38,5 mm)	1
NFGS50	B	50 (agujero Ø 48,5 mm)	1
NFGS63	B	63 (agujero Ø 61,5 mm)	1

Matriz reparação



Código	Ø	Uds. Caixa
NMARP7	6 mm (furo Ø 6 mm)	1
NMARP11	10 mm (furo Ø 10 mm)	1

Taco reparação



Código	Tipo	Ø	Uds. Caixa	D1 (mm)	D2 (mm)	L1 (mm)	L2 (mm)	L (mm)
NCAR711	A	7/11 mm	150	7,0	11,0	35,0	35,0	84,0
27NCAR711	B	7/11 mm						

Tampão para nível



Código	Ø	Uds. Caixa	D1 (mm)	D2 (mm)	L (mm)
NTUN	1/2" - 3/4"	60	1/2"	3/4"	88,0

Tampão de teste



Código	Ø	Uds. Caixa	F (mm)	LF (mm)	L (mm)	D (mm)
NTC12	1/2" gas	100	1/2"	18,70	48,0	29,0
NTC34	3/4" gas	100	3/4"	18,87	48,0	29,0

Raspador



Código	Uds. Caixa
NRAM1	1

Ferramentas

Raspador tangencial con mala



Código	Ø SDR6 – SDR7,4- SDR9 - SDR11	Ø SDR17	Peso (kg)	Uds. Caixa
RAT1A *	75-200 mm	75-180 mm	2,8	1
RAT2A **	200-400 mm	200-400 mm	5,5	1

* Raspador com mala de transporte (RAT1A)

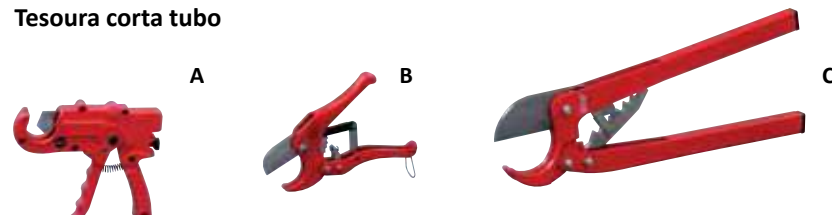
** Raspador com caixa de metal (RAT2A)

Soporte alinhador para acessórios electrossoldáveis



Código	Tipo	Ø	Peso (kg)	Uds. Caixa
99500010	A	20/63 mm	3,0	1
99220003	B	63/180 mm	7,5	1
99220001	C	125/500 mm	7,5	1

Tesoura corta tubo



Código	Tipo	Ø	Uds. Caixa
NTTTP	A	16/32 mm	1
NTTT1	B	16/40 mm	1
NTTT2	C	16/75 mm	1
NRLP (Folha para NTTTP)			1

Corta tubo telescópico



Código	Ø	Uds. Caixa
70031	6/63 mm	1
70032	50/125 mm	1
70033	110/160 mm	1
055074D (Reemplazo))	-	1

Nível



Código	Uds. Caixa
NDA	1



Máquinas

Solda de termofusão

Solda elétrica

Solda topo-a-topo

S.A.T. Oficial:



Equipamentos de solda de termofusão

Soldador com caixa metálica e matrizes



Código	Voltagem	Ø	Matrizes (mm)	Uds. Caixa
NSBEP	220V	Até 63mm	20/25/32	1
NSBEP63	220V	Até 63mm	20/25/32/40/50/63	1
NSBEP125	220V	Até 125mm	75/90/110/125	1

Soldador com suporte Ø máx. 63 mm (sem matrizes)



Código	Voltagem	Ø	Uds. Caixa
NPCCE	220V	Até 63mm	1

Soldador com suporte Ø máx.125 mm (sem matrizes)



Código	Voltagem	Ø	Uds. Caixa
NPCCE125	220V	Até 125mm	1

Soldador polifusor com matrizes diâmetro máximo 125 mm (matrizes incluídas)



Código	Voltagem	Ø	Ø Matrizes	Uds. Caixa
NSTL125	220V	25-125 mm	23/32/40/50/63/75/90/110/125	1

Equipamentos de solda de termofusão

Aproximador



Preço especial Polifusor Ø125mm mais matrizes de 75, 90 e 110 mm com sua bolsa de transporte. Solicitar preço do KITNIRON APROXIMAÇÃO.

Código	Ø	Uds. Caixa
94650001	63-125 mm	1

Digitaliza o seguinte código QR e visualiza no canal do Youtube da **italsan** os vídeos demonstrativos da soldadura tipo Socket com o aproximador.



Aproximação universal "SPIDER"



Características

Accionado à mão
Mecanismo de engrenagem não reversível com trava automática
Alavanca de suporte de duas posições
Leve e compacto
Auto-centralização

Código	Ø	Percorrido máximo (mm)	Peso total da máquina (kg)	Uds. Caixa
A467601	63-125 mm	193,0	6,8	1

Digitaliza o seguinte código QR e visualiza no canal do Youtube da **italsan** os vídeos demonstrativos da soldadura tipo Socket com o aproximador universal "SPIDER".



Equipamentos de solda de electrofusão

Soldadora para acessórios electrossoldáveis com scanner óptico e sistema Bluetooth integrado



Peso	25,2 kg
Dimensões	340 x 450 x 220 mm
Potência máxima absorvida	4.000 VA
Alimentação	230V
Corrente pico	100 A
Corrente soldadura 60% Duty Cycle	73 A
Frequência	50 - 60Hz
Temperatura de utilização	De -18°C a +55°C
Ecrã	Visor retroiluminado dispuesto en 4 líneas de 20 dígitos
Proteção IP	54
Tensão de soldagem	5-42V
Memoria	10.000 ciclos
Diâmetros com o qual você pode trabalhar	20 ÷ 630 mm

Código	Ø	Uds. Caixa
E9001E	20-630 mm	1

Máquina de solda automática "ELEKTRA LIGHT"



Peso	7 kg
Dimensões	200 x 250 x 210 mm
Potência máxima absorvida	1.300 W
Alimentação	110V o 230V
Corrente pico	60 A
Corrente soldadura 60% Duty Cycle	23 A
Frequência	50 - 60Hz
Temperatura de utilização	De -10°C a +40°C
Precisão termômetro	1°C
Proteção IP	54
Tensão de soldagem	8-48V
Memoria	325 ciclos
Diâmetros com o qual você pode trabalhar	20 ÷ 125/160 * mm

Código	Ø	Uds. Caixa
96906064	20-125/160* mm	1

* É possível soldar o diâmetro de 160 mm, tomando o cuidado de aguardar o arrefecimento da máquina após cada soldadura.

Máquina de solda com scanner "ELEKTRA 315"

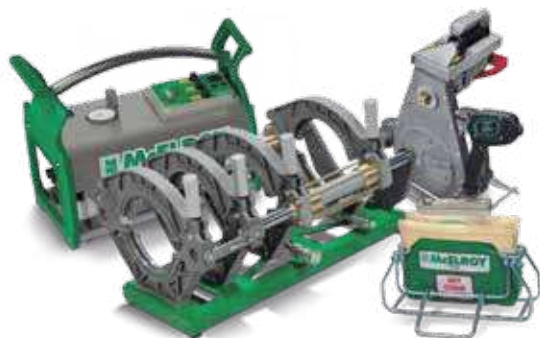


Peso	16 kg
Dimensões	263 x 240 x 300 mm
Potência máxima absorvida	2.600 W
Alimentação	110V o 230V
Corrente pico	100 A
Corrente soldadura 60% Duty Cycle	60 A
Frequência	50 - 60Hz
Temperatura de utilização	De -10°C a +50°C
Proteção IP	54
Tensão de soldagem	8-48V
Memoria	500 ciclos
Diâmetros com o qual você pode trabalhar	20 ÷ 315 mm

Código	Ø	Uds. Caixa
96906129	20-315 mm	1

Máquina de soldadura topo-a-topo

Máquina de soldadura topo-a-topo Acrobat 160



Código	Voltagem	Ø (mm)	Uds. Caixa
A714502	240V	63 mm -160 mm	1

Máquina de soldadura topo-a-topo Acrobat 250



Código	Voltagem	Ø (mm)	Uds. Caixa
A2500102	240V	63 mm -250 mm	1



Av. António Augusto de Aguiar, 19- 4 Dto,
Sala B
1050-012 Lisboa
Tel: 351-919722545

www.nupiportugal.pt



Nupi Portugal Customer Service
geral@nupiportugal.pt



www.nupiindustrieitaliane.com



www.italsan.com