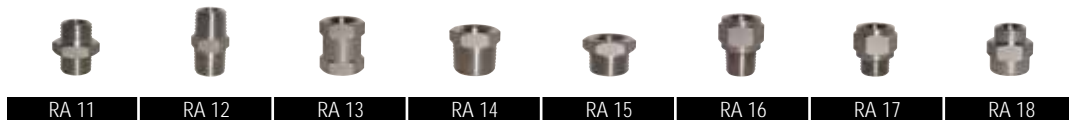


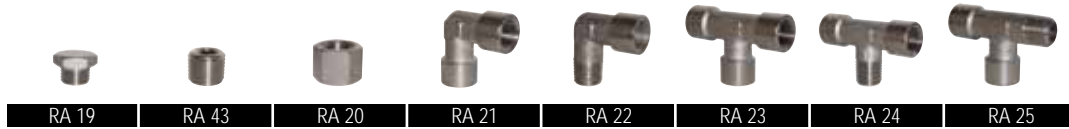


SERIE RA

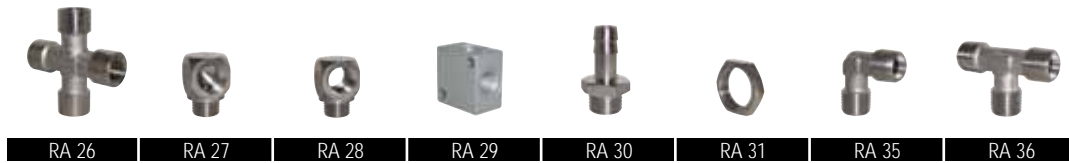
Note tecniche
 Technical remarks
 Remarques techniques
 Technische Bemerkungen 68



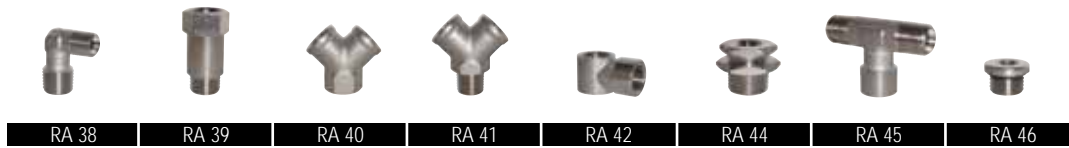
69_70
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 RA 12
 RA 13
 RA 14
 RA 15
 RA 16
 RA 17
 RA 18



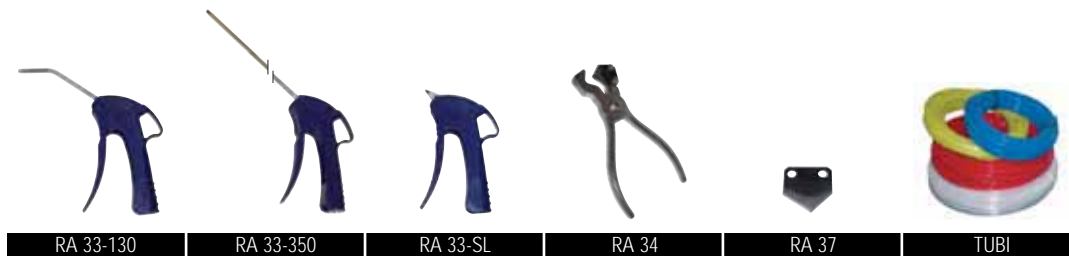
71_72
 RA 19
 RA 20
 RA 21
 RA 22
 RA 23
 RA 24
 RA 25



73_74
 RA 26
 RA 27
 RA 28
 RA 29
 RA 30
 RA 31
 RA 35
 RA 36



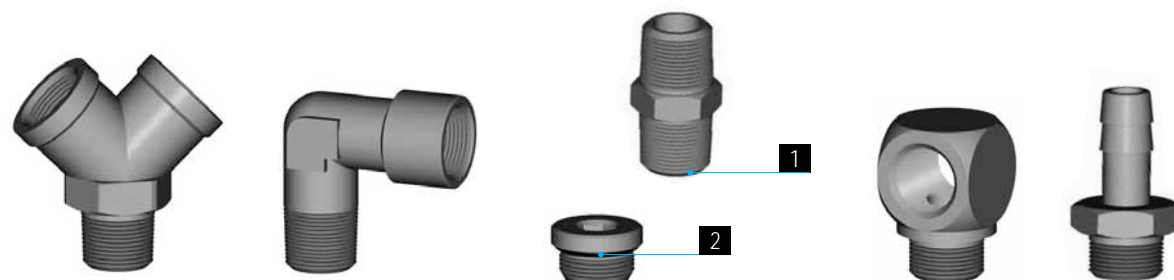
75_76
 RA 38
 RA 39
 RA 40
 RA 41
 RA 42
 RA 44
 RA 45
 RA 46



77_79
 RA 33-130
 RA 33-350
 RA 33-SL
 RA 34
 RA 37
 TUBI

SERIE RA

1	2
Corpo del raccordo Fitting Body Corps du raccord Verschraubungskörper	O-Ring Oring Joint torique Dichtung
Ottone UNI EN 12164 CW614N - UNI EN 12165 CW617N Nichelato Brass UNI EN 12164 CW614N - UNI EN 12165 CW617N Nickel Plated Laiton UNI EN 12164 CW614N - UNI EN 12165 CW617N Nickelé Messing UNI EN 12164 CW614N - UNI EN 12165 CW617N vernickelt	NBR NBR NBR NBR



TIPO FILETTATURA	RIFERIMENTO NORMA	COPPIE DI SERRAGGIO (Nm)				
Thread Filet Gewinde	Norm reference Indication de la norme Normangabe	M5	1/8	1/4	3/8	1/2
Gas conica Gas taper Gas conique Gas kegelig	UNI - ISO 7/1	-	10-12	14-16	16-18	18-20
Gas conica teflonata Gas taper teflon-coated Gas conique avec teflon Gas kegelig mit Teflonbeschichtung	UNI - ISO 7/1	-	5-6	8-10	10-12	16-18
Gas cilindrica con O-Ring Gas parallel with O-Ring Gas cylindrique avec Joint Gas zylindrisch mit O-Ring	UNI - ISO 228/1	-	5-6	8-10	10-12	12-14
Gas cilindrica con rondella in plastica Gas parallel with plastic ring Gas cylindrique avec bague plastique Gas zylindrisch mit Kunststoffring	UNI - ISO 228/1	-	5-6	6-7	8-10	10-12
Metrica Metric Métrique Metrisch	ISO R/262	1+1,5				

RACCORDI SERIE RA	THE RA LINE	LA SERIE RA	DIE RA SERIE
-------------------	-------------	-------------	--------------

La serie RA, comunemente considerata come una serie di "ACCESSORI" o "RACCORDI STANDARD", è costituita da Nippli, Riduzioni, Prolunghe, Tappi, Portagomma, Raccordi a L, Raccordi a T, Croci, ecc.
Vista la varietà di funzioni ausiliarie che coprono questi raccordi, risulta evidente il ruolo di completamento, che questa serie svolge nei confronti delle altre.
Tutti i raccordi RA vengono sottoposti a trattamento superficiale di Nichelatura.

SPECIFICHE TECNICHE
Massima pressione di impiego:
60 bar.
Campi di applicazione:
Applicazioni nei campi dell'impiantistica pneumatica, idraulica, oleodinamica ed idropneumatica.

The RA line, also known as the "Accessories line" or the "Standard fittings line" consists of a wide variety of components, such as Nipples, Reduction pieces, Connections, Plugs, Hose connections, L-T and Cross fittings.
Due to the multiple auxiliary functions of this line, the RA fittings are the right complement for other ranges.
All components are brass nickel-plated.

DATA SHEET
Max working pressure:
60 bar.
Application field:
Pneumatic, hydraulic, oleodynamic and hydropneumatic installations.

La série RA, ou bien "La série des accessoires, ou Raccords Standard" se compose d'une grande variété de pièces pour tous raccords et toutes configurations: mamelons, pièces de réduction, bouchons, douilles cannelées, raccords en T, en L et Croix.
Compte tenu de la variété de ses fonctions complémentaires, la principale caractéristique de cette série devient celle de bien compléter les autres gammes.
Tous les raccords de cette série sont en laiton niqué.

REINSEIGNEMENTS TECHNIQUES
Pression maximum de travail:
60 bar.
Domaine d'utilisation:
Circuits pneumatiques, hydrauliques, oléodynamiques et hydropneumatiques.

Die RA Baureihe, bekannt als die "Zubehörsérie oder die Standardverschraubungsbaureihe" besteht aus Verschraubungen aller Bauformen und Größen wie Nippel, Reduzierstück, Stopfen, Schlauchtüllen, T, L-Stueck, Winkel- und Kreuzverschraubungen.
Es ist eine umfangreiche Nebenfunktionsserie, die als Programmergänzung zu den anderen Baureihen betrachtet werden muss.
Alle Teile sind aus Messing vernickelt.

TECHNISCHE AUSKÜNFTE
Max Druckbereich:
60 bar.
Anwendungsbereich:
Pneumatische, hydraulische, öldynamische und hydropneumatische Anlagen.

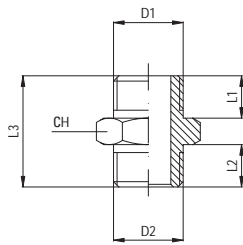
RA 11

Nipplo Cilindrico

Nipple, parallel

Mamelon cylindrique

Doppelnippel, zylindrisch



Tipo	D1	D2	L1	L2	L3	CH	g Δ
11 M5 M5	M5x0,8	M5x0,8	5	5	13,5	8	2
11 M5 18	M5x0,8	G1/8	5	6	15,5	14	8
11 18 18	G1/8	G1/8	6	6	16,5	14	9
11 18 14	G1/8	G1/4	6	8	19	17	15
11 18 38	G1/8	G3/8	6	9	20	19	19
11 14 14	G1/4	G1/4	8	8	21	17	17
11 14 38	G1/4	G3/8	8	9	22	19	21
11 14 12	G1/4	G1/2	8	10	23,5	24	32
11 38 38	G3/8	G3/8	9	9	23	19	23
11 38 12	G3/8	G1/2	9	10	24,5	24	36
11 12 12	G1/2	G1/2	10	10	25,5	24	36

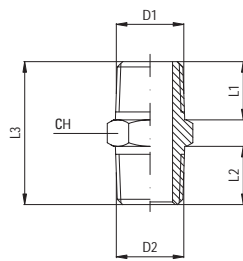
RA 12

Nipplo Conico

Nipple, taper

Mamelon conique

Doppelnippel, kegelig



Tipo	D1	D2	L1	L2	L3	CH	g Δ
12 18 18	R1/8	R1/8	7,5	7,5	20	12	8
12 18 14	R1/8	R1/4	7,5	11	23,5	14	14
12 18 38	R1/8	R3/8	7,5	11,5	24	17	20
12 14 14	R1/4	R1/4	11	11	27	14	18
12 14 38	R1/4	R3/8	11	11,5	27,5	17	22
12 14 12	R1/4	R1/2	11	14	31	22	36
12 38 38	R3/8	R3/8	11,5	11,5	28	17	25
12 38 12	R3/8	R1/2	11,5	14	31,5	22	38
12 12 12	R1/2	R1/2	14	14	34	22	40
12 12 34	R1/2	R3/4	14	16,5	37,5	27	68
12 34 34	R3/4	R3/4	16,5	16,5	40	27	79

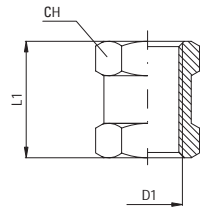
RA 13

Manicotto

Joint Piece

Manchon

Muffe



Tipo	D1	L1	CH	g Δ
13 00 M5	M5x0,8	11	8	3
13 00 18	G1/8	15	14	11
13 00 14	G1/4	22	17	20
13 00 38	G3/8	24	22	39
13 00 12	G1/2	30	27	70

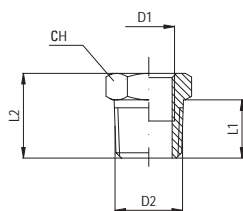
RA 14

Riduzione F-M Conica

Taper Female-Male reducer

Réduction Femelle-Mâle, conique

Reduzierstück, Auf-Einschraub, kegelig



Tipo	D1	D2	L1	L2	CH	g Δ
14 18 14	G1/8	R1/4	11	16	14	11
14 18 38	G1/8	R3/8	11,5	16,5	17	21
14 18 12	G1/8	R1/2	14	19,5	22	45
14 14 38	G1/4	R3/8	11,5	16,5	17	13
14 14 12	G1/4	R1/2	14	19,5	22	36
14 38 12	G3/8	R1/2	14	19,5	22	24
14 12 34	G1/2	R3/4	16,5	23,5	27	47

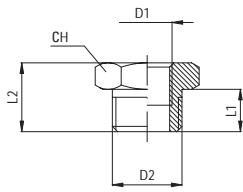
RA 15

Riduzione F-M Cilindrica

Parallel Female-Male reducer

Réduction Femelle-Mâle, cylindrique

Reduzierstück, Auf-Einschraub, zylindrisch



Tipo	D1	D2	L1	L2	CH	g
15 M5 18	M5x0,8	G1/8	6	10,5	14	8
15 18 14	G1/8	G1/4	8	13	17	10,5
15 18 38	G1/8	G3/8	9	14	19	19
15 18 12	G1/8	G1/2	10	15,5	24	39
15 14 38	G1/4	G3/8	9	14	19	13
15 14 12	G1/4	G1/2	10	15,5	24	31
15 38 12	G3/8	G1/2	10	15,5	24	22

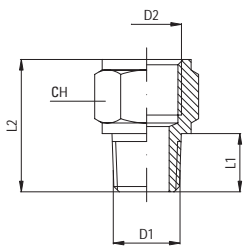
RA 16

Prolunga F-M Conica

Adaptor Male-Female, taper

Réduction Mâle-Femelle, conique

Reduziernippel, Ein-Aufschraub, kegelig



Tipo	D1	D2	L1	L2	CH	g
16 18 18	R1/8	G1/8	8	18	14	11
16 18 14	R1/8	G1/4	8	21,5	17	18
16 14 14	R1/4	G1/4	11	24,5	17	21
16 14 38	R1/4	G3/8	11	25,5	22	40
16 14 12	R1/4	G1/2	11	29	24	38
16 38 38	R3/8	G3/8	11,5	26	22	43
16 38 12	R3/8	G1/2	11,5	29,5	24	41
16 12 12	R1/2	G1/2	14	32	26	59

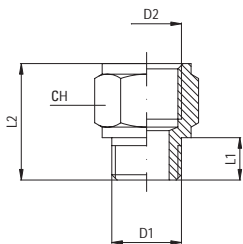
RA 17

Prolunga F-M Cilindrica

Adaptor Male-Female, parallel

Réduction Mâle-Femelle, cylindrique

Reduziernippel, Ein-Aufschraub, zylindrisch



Tipo	D1	D2	L1	L2	CH	g
17 M5 18	M5x0,8	G1/8	4	14,5	14	9
17 18 18	G1/8	G1/8	6	16	14	10
17 18 14	G1/8	G1/4	6	19,5	17	17
17 14 14	G1/4	G1/4	8	21,5	17	19
17 14 38	G1/4	G3/8	8	22,5	22	32
17 14 12	G1/4	G1/2	8	26	24	36
17 38 38	G3/8	G3/8	9	23,5	22	36
17 38 12	G3/8	G1/2	9	27	24	39
17 12 12	G1/2	G1/2	10	28	26	54

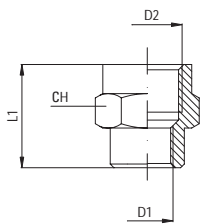
RA 18

Manicotto ridotto

Reduction Joint Piece

Manchon de réduction

Reduziermuffe



Tipo	D1	D2	L1	CH	g
18 M5 18	M5x0,8	G1/8	13,5	14	9
18 18 14	G1/8	G1/4	19	17	16,5
18 18 38	G1/8	G3/8	20	22	28
18 14 38	G1/4	G3/8	22,5	22	30
18 14 12	G1/4	G1/2	26	24	32
18 38 12	G3/8	G1/2	26	24	36

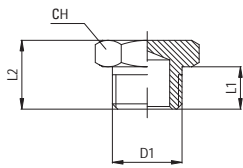
RA 19

Tappo Maschio

Male Plug

Bouchon Mâle

Verschlussstopfen



Tipo	D1	L1	L2	CH	g
19 00 M5	M5x0,8	5	8,5	8	2
19 00 18	G1/8	6	10	14	7
19 00 14	G1/4	8	13	17	14
19 00 38	G3/8	9	13,5	19	19
19 00 12	G1/2	10	15,5	24	31

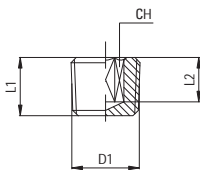
RA 43

Tappo Conico

Taper Plug

Bouchon cônica

Verschlussstopfen, kegelig



Tipo	D1	L1	L2	CH	g
43 00 18	R1/8	7,5	6	5	3
43 00 14	R1/4	11	8	6	8
43 00 38	R3/8	11,5	8	10	14
43 00 12	R1/2	14	9,5	10	27

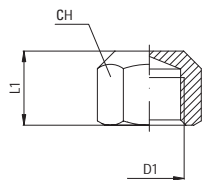
RA 20

Tappo Femmina

Female plug

Bouchon femelle

Verschlusskappe, Aufschraub



Tipo	D1	L1	CH	g
20 00 18	G1/8	11,5	14	11
20 00 14	G1/4	15	17	18
20 00 38	G3/8	15,5	20	26
20 00 12	G1/2	20	24	40,5

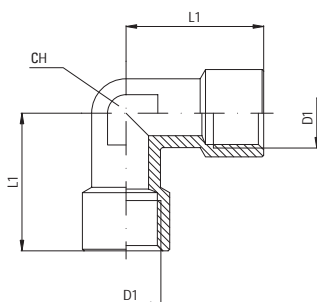
RA 21

Gomito F-F

Female Elbow

Equerre Femelle

Aufschraub-Winkel



Tipo	D1	L1	CH	g
21 18 18	G1/8	21	10	22
21 14 14	G1/4	25,5	13	40
21 38 38	G3/8	28	17	62
21 12 12	G1/2	33,5	21	106

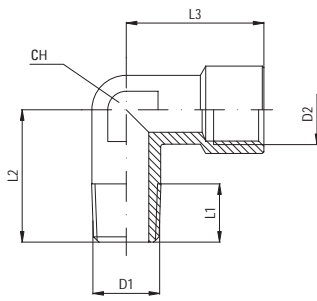
RA 22

Gomito M-F

Male-Female Elbow

Equerre Mâle-Femelle

Auf-Einschraub-Winkel



Tipo	D1	D2	L1	L2	L3	CH	g
22 18 18	R1/8	G1/8	8	18,5	21	10	17
22 14 14	R1/4	G1/4	11	23,5	25,5	13	35
22 38 38	R3/8	G3/8	11,5	26	28	17	50
22 12 12	R1/2	G1/2	14	31	33,5	21	88

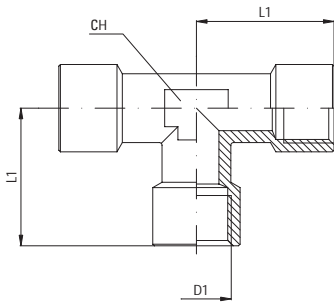
RA 23

T F-F-F

Female T

Té Femelle

T-Aufschraub



Tipo	D1	L1	CH	g
23 18 18	G1/8	21	10	28
23 14 14	G1/4	25,5	13	57
23 38 38	G3/8	28	17	83
23 12 12	G1/2	33,5	21	143

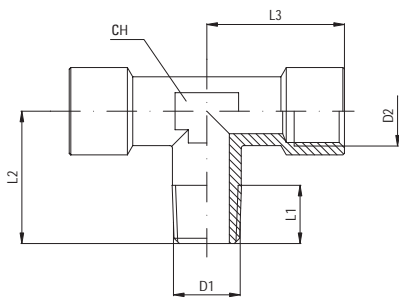
RA 24

T F-M-F

Male-Female Stud Tee

Té Femelle-Mâle-Femelle

T Auf-Einschraub



Tipo	D1	D2	L1	L2	L3	CH	g
24 18 18	R1/8	G1/8	8	18,5	21	10	24,5
24 14 14	R1/4	G1/4	11	23,5	25,5	13	50
24 38 38	R3/8	G3/8	11,5	26	28	17	75
24 12 12	R1/2	G1/2	14	31	33,5	21	126

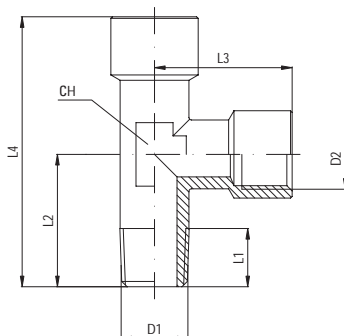
RA 25

T M-F-F

Male-Female, Lateral

Té Mâle-Femelle-Femelle

T Ein-Aufschraub



Tipo	D1	D2	L1	L2	L3	L4	CH	g
25 18 18	R1/8	G1/8	8	18,5	21	39,5	10	24,5
25 14 14	R1/4	G1/4	11	23,5	25,5	49	13	50
25 38 38	R3/8	G3/8	11,5	26	28	54	17	75
25 12 12	R1/2	G1/2	14	31	33,5	64,5	21	129

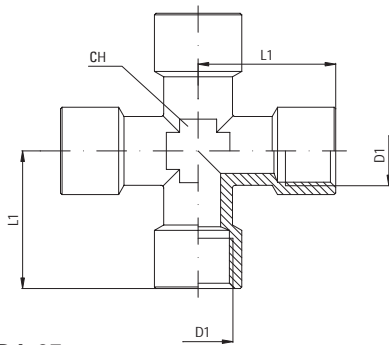
RA 26

Croce F-F-F-F

Female Cross

Croix Femelle

Aufschraub-Kreuzstück



Tipo	D1	L1	CH	g Δ
26 18 18	G1/8	21	10	37
26 14 14	G1/4	25,5	13	75
26 38 38	G3/8	28	17	109

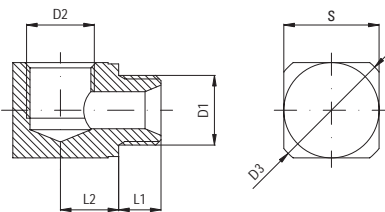
RA 27

Blocchetto M-F

Manifold

Répartiteur Mâle-Femelle

Ein-Aufschraub-Verteiler



Tipo	D1	D2	L1	L2	D3	S	g Δ
27 M5 M5	M5x0,8	M5x0,8	5	5,5	12	9	6
27 18 18	G1/8	G1/8	6	7,5	19,5	13	15
27 14 14	G1/4	G1/4	8	11	25	18	40

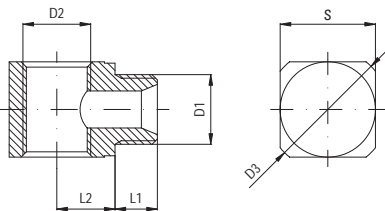
RA 28

Blocchetto M-F-F

Manifold, Male Female

Répartiteur Mâle-Femelle-Femelle

Ein-Aufschraub Verteiler



Tipo	D1	D2	L1	L2	D3	S	g Δ
28 M5 M5	M5x0,8	M5x0,8	5	4	12	9	5
28 18 18	G1/8	G1/8	6	7,5	19,5	13	13
28 14 14	G1/4	G1/4	8	11	25	18	36

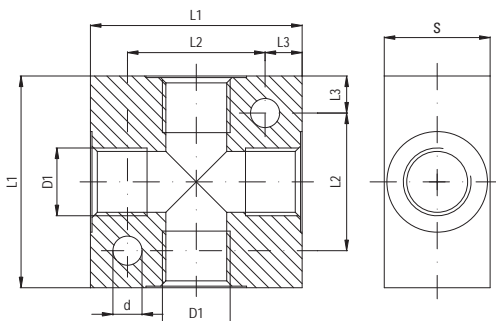
RA 29

Ripartitore F-F-F-F

Female Manifold

Carré de distribution égale

Verteiler, egal



Tipo	D1	D2	L1	L2	D3	S	g Δ
29 00 M5	M5x0,8	20	14	3	3,2	10	8
29 00 18	G1/8	25	17	4	4,5	16	16
29 00 14	G1/4	40	26	7	5,5	20	60
29 00 38	G3/8	50	34	8	5,5	25	119
29 00 12	G1/2	50	34	8	5,5	30	127

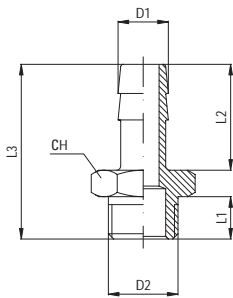
RA 30

Portagomma

Hose Connector

Douille cannelée

Schlauchtülle



Tipo	D1	D2	L1	L2	L3	CH	g
30 03 M5	3	M5x0,8	5	9	17	8	2
30 3,5 M5	3,5	M5x0,8	5	9	17	8	2
30 4,5 M5	4,5	M5x0,8	5	9	17	8	2
30 7,5 18	7,5	G1/8	6	20	30	14	10
30 7,5 14	7,5	G1/4	8	20	33	17	17
30 8,5 18	8,5	G1/8	6	20	30	14	12
30 9,5 18	9,5	G1/8	6	20	30	14	12
30 9,5 14	9,5	G1/4	8	20	33	17	18
30 9,5 38	9,5	G3/8	9	20	34	19	22
30 12,5 14	12,5	G1/4	8	22	35	17	20
30 12,5 38	12,5	G3/8	9	22	36	19	23,5
30 12,5 12	12,5	G1/2	10	22	38	24	36
30 17,5 38	17,5	G3/8	9	24	38	19	37
30 17,5 12	17,5	G1/2	10	24	39,5	24	42

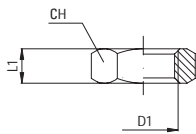
RA 31

Dado

Nut

Ecrou

Überwurfmutter



Tipo	D1	L1	CH	g
31 00 18	G1/8	4,5	14	4
31 00 14	G1/4	5	17	5
31 00 38	G3/8	5,5	19	5
31 00 12	G1/2	6	24	8
31 00 M10x1	M10x1	4	14	3
31 00 M12x1	M12x1	5	16	5
31 00 M14x1	M14x1	5	18	5,5
31 00 M16x1	M16x1	5	20	6
31 00 M20x1,5	M20x1,5	4	27	10,5

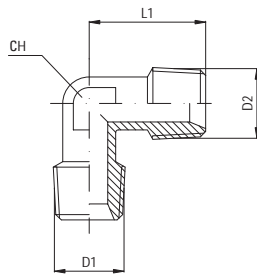
RA 35

Gomito M-M

Male-Male Elbow

Equerre Mâle

Einschraub-Winkelstück



Tipo	D1	D2	L1	CH	g
35 18 18	R1/8	R1/8	18,5	10	13
35 14 14	R1/4	R1/4	23,5	13	27
35 38 38	R3/8	R3/8	26	17	41
35 12 12	R1/2	R1/2	31	21	71

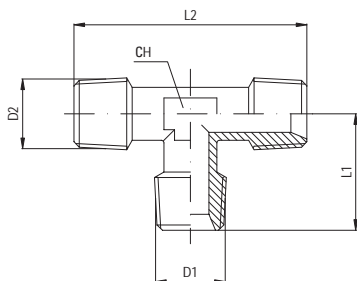
RA 36

T M-M-M

Male Tee

Té Mâle

Einschraub-T-Stück



Tipo	D1	D2	L1	L2	CH	g
36 18 18	R1/8	R1/8	18,5	37	10	15
36 14 14	R1/4	R1/4	23,5	47	13	39
36 38 38	R3/8	R3/8	26	52	17	56
36 12 12	R1/2	R1/2	31	62	21	93

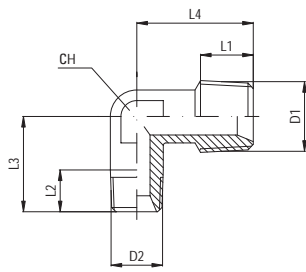
RA 38

Riduzione a Gomito M-M

Elbow reduction, male

Réduction équerre, Mâle-Mâle

Einschraub-Reduzierstück



Tipo	D1	D2	L1	L2	L3	L4	CH	g
38 14 18	R1/4	R1/8	11	8	19	21,5	10	17

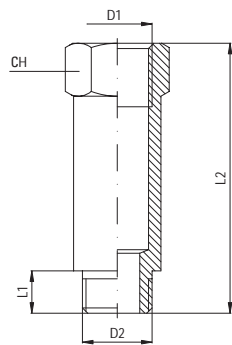
RA 39

Prolunga M-F

Extention Male-Female

Prolongation Mâle-Femelle

Verlängerung M-F



Tipo	D1	D2	L2	L1	CH	g
39 18 22	G1/8	G1/8	22	6	14	15
39 18 42	G1/8	G1/8	42	6	14	30
39 14 35	G1/4	G1/4	35	8	17	32
39 14 51	G1/4	G1/4	51	8	17	46

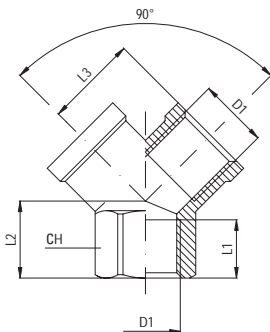
RA 40

Y F-F-F

Female Y

Y avec filetage intérieur

Y mit Innengewinde



Tipo	D1	L1	L2	L3	CH	g
40 00 18	G1/8	8	12	14	13	18
40 00 14	G1/4	11	14	17	17	33
40 00 38	G3/8	11,5	16	19	20	44
40 00 12	G1/2	14	19	24,5	25	93

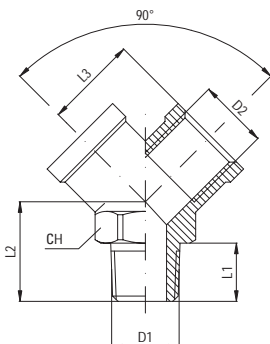
RA 41

Y M-F-F

Male Female Y

Y avec filetage intérieur/extérieur

Y mit Innen-Aussgewinde



Tipo	D1	D2	L1	L2	L3	CH	g
41 00 18	R1/8	G1/8	8	16	14	13	22
41 00 14	R1/4	G1/4	11	20	17	17	38
41 00 38	R3/8	G3/8	11,5	22	19	20	53
41 00 12	R1/2	G1/2	14	27	24,5	25	108

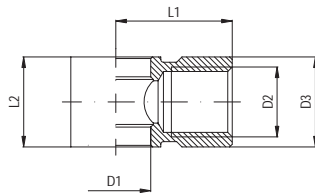
RA 42

Anello filettato

Single Banjo Ring

Bague orientable simple

Einfaches Schwenkringstück



Tipo	D1	D2	D3	L1	L2	g
42 00 M5	5,1	M5x0,8	9	11,5	10	7
42 00 18	10	G1/8	14	16	15	15
42 00 14	13,2	G1/4	17	22	17	25
42 00 38	17	G3/8	20	26	20	40
42 00 12	21	G1/2	26	32	24	66

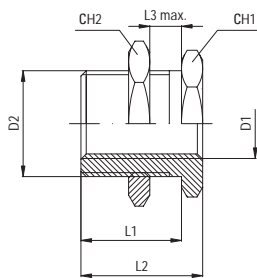
RA 44

Passaparete Filettato

Bulkhead

Traversée en cloison

Schottverschraubung



Tipo	D1	D2	L1	L2	L3max	CH1	CH2	g
44 00 M5	M5x0,8	M10 P1	9,5	13	6	14	14	12
44 00 18	G1/8	M16 P1,5	15	19	10	19	22	29
44 00 14	G1/4	M20 P1,5	19	23	14	24	27	48
44 00 38	G3/8	M26 P1,5	22	27	16	30	32	91
44 00 12	G1/2	M28 P1,5	28	34	21	32	36	112

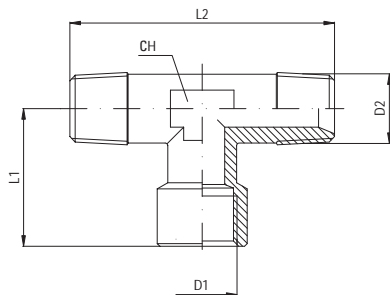
RA 45

T M-F-M

Male-Female-Male Tee

Té Mâle-Femelle-Mâle

T, Ein-Aufschraub



Tipo	D1	D2	L1	L2	CH	g
45 18 18	G1/8	R1/8	21	37	10	25
45 14 14	G1/4	R1/4	25,5	47	13	44

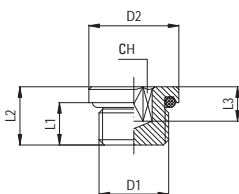
RA 46

Tappo Maschio con Oring

Male Plug with Oring

Bouchon Mâle avec Oring

Einschraubstopfen mit Oring



Tipo	D1	D2	L1	L2	L3	CH	g
46 00 18	G1/8	14	6,5	9,5	5,5	5	5,5
46 00 14	G1/4	17	8	11,5	6,5	6	11
46 00 38	G3/8	20	9	12,5	6	8	18
46 00 12	G1/2	26	10	14	7	10	26

RA 33

Pistole per Aria

Max Pressione di lavoro 6 bar
 Temperatura d'esercizio: -10 ÷ +70 °C
 Filettatura di connessione: BSP-NPT

Air Blow Guns

Max Working Pressure 6 bar
 Working Temperature: -10 ÷ +70 °C
 Connection Thread: BSP-NPT

Soufflettes

Max pression d'emploi 6 bar
 Température de service: -10 ÷ +70 °C
 Filetage de connexion: BSP-NPT

Ausblaspistolen

Max Druckbereich 6 bar
 Betriebstemperatur: -10 ÷ +70 °C
 Anschlussgewinde: BSP-NPT

Corpo
Body
Corps
Körper

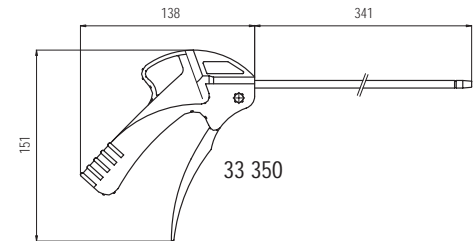
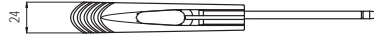
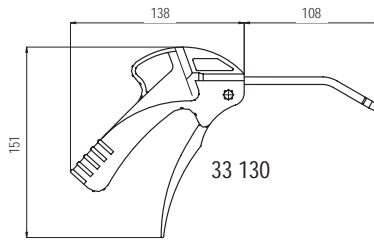
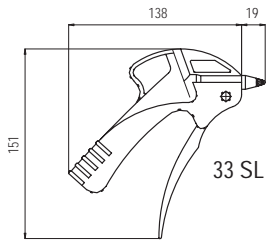
Molla
Spring
Ressort
Feder

Oring
Oring
Joint torique
Dichtung

Tubetto
Tube
Tube
Rohr

Tipo dB (6 bar) g

Tipo	dB (6 bar)	g
33 SL	75,1	98
33 130	79,5	112
33 350	79,2	146



RA 34

Pinza Taglia Tubo

Hose Cutter

Coupe Tube

Schlauchschneider



Tipo	Øe Tubo	L	g
34 12	da Ø 2 a Ø 12	130	99,5
34 25	da Ø 12 a Ø 25	185	293

RA 37

Lame di ricambio per pinze

Blades

Lames

Ersatzklingen



Tipo	Øe Tubo	g
37 12	da Ø 2 a Ø 12	2
37 25	da Ø 12 a Ø 25	6,5

RILSAN® (PA11)

TUBI FLESSIBILI

Temperature di Impiego: da -40°C a +80°C
 Durezza: 63 Shore D
 Il tubo è fornito in rotoli da 100mt.
 Colori disponibili:
 Neutro, Blu, Giallo, Rosso, Verde, Nero

RILSAN® (PA11)

FLEXIBLE HOSES

Working temperature: -40°C to +80°C.
 Hose Hardness: 63 Shore D
 Rolls: 100mts .
 Colours available: Neutral, Blue, Yellow, Red, Green, Black

RILSAN® (PA11)

TUBE FLEXIBLE

Température d' exercice: -40°C jusqu' à +80°C.
 Dureté: 63 Shore D
 Rouleaux: 100 mètres.
 Couleurs disponibles: neutre, bleu, jaune, rouge, vert, noir

RILSAN® (PA11)

FLEXIBLER SCHAUCH

Temperaturbereich -40°C bis +80°C.
 Schlauchhärte: 63 Shore D
 Rollenlänge: 100 mts.
 Farben: Neutral, Blau, Gelb, Rot, Grün, Schwarz

Variatione % della Pressione in funzione della temperatura
 Pressure variation (%) in relation with temperature change
 Variation (%) de la pression en fonction du changement de la température:
 Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

Dimensioni-Sizes
 Diamètre-Durchmesser

Peso (gr/mt)
 Weight (gr/mt)
 Poids (gr/mt)
 Gewicht (gr/mt)

Raggio di curvatura (mm)
 Bend radius (mm)
 Rayon de Courbure (mm)
 Biegeradius (mm)

Pressione a 20°C -Pressure at 20°C
 Pression à 20°C- Druck bei 20°C

Esercizio-Working (bar)
 Travail-Druckbereich (bar)

Scoppio-Bursting point (bar)
 Point d'éclatement-Berstpunkt (bar)

Temp	%	Ø e (mm)	Ø i (mm)	Peso (gr/mt)	Raggio di curvatura (mm)	Esercizio-Working (bar)	Scoppio-Bursting point (bar)
20°C	100%	4	2	9,89	20	44	133
30°C	83%	4	2,5	8,04	20	31	92
40°C	72%	5	3	13,19	25	33	100
50°C	64%	6	4	16,49	35	27	80
60°C	58%	8	6	23,08	40	19	57
70°C	52%	10	8	29,67	60	15	44
80°C	47%	12	10	36,27	85	12	36

POLIURETANO ELASTOLLAN® C98(PU)

TUBI FLESSIBILI

Caratteristica principale del tubo in poliuretano è l'estrema flessibilità che si traduce nella possibilità di realizzare raggi di curvatura molto stretti. Sensibili all'idrolisi e ai raggi UV, i tubi in PU a base estere vengono usati principalmente per il passaggio dell'aria compressa.
 Temperature di Impiego: da -40°C a +60°C.
 Durezza: 49-55 Shore D
 Il tubo è fornito in rotoli da 100mt.
 Colori disponibili: Neutro, Giallo, Verde, Rosso, Nero, Blu

POLIURETHAN ELASTOLLAN® C98(PU)

FLEXIBLE HOSES

Polyurethan Elastollan C98 major feature is the high flexibility that allows for very narrow hose radius if needed by the application. All ester base PU hoses are sensitive to hydrolysis and UV rays hence primarily recommended for air compressed applications.
 Working temperature: -40°C to +60°C.
 Hose Hardness: 49-55 Shore D
 Rolls: 100 mts .
 Colours available : Neutral, Yellow, Red, Green, Black, Blue.

POLYURETHANE ELASTOLLAN® C98(PU)

TUBE FLEXIBLE

Offrant une extrême flexibilité , ce tube permet de réaliser des rayons de courbure très étroits. Sensible à l'hydrolyse et au rayon UV, le tube en PU à base estère est employé surtout dans les domaine de l'air comprimé.
 Température de travail: -40°C jusqu'à +60°C
 Dureté: 49-55 Shore D
 Rouleaux: 100 mètres.
 Couleurs disponibles: Neutre, bleu, jaune, rouge, vert, noir

POLYURETHAN ELASTOLLAN® C98(PU)

FLEXIBLER SCHAUCH

Die Haupteigenschaft von Polyurethan ist die höchste Schlauchflexibilität, die sehr schmale Biegeradius ermöglicht. Zur Hydrolyse und UV Strahlen empfindlich, wird PU Esterbaseschlauch hauptsächlich für Anwendung mit Druckluft empfohlen .
 Temperaturbereich: -40°C bis +60°C.
 Schlauchhärte: 49-55 Shore D
 Rollenlänge: 100 mts.
 Farben: Neutral, Blau, Gelb, Rot, Grün, Schwarz .

Variatione % della Pressione in funzione della temperatura
 Pressure variation (%) in relation with temperature change
 Variation (%) de la pression en fonction du changement de la température:
 Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

Dimensioni-Sizes
 Diamètre-Durchmesser

Peso (gr/mt)
 Weight (gr/mt)
 Poids (gr/mt)
 Gewicht (gr/mt)

Raggio di curvatura (mm)
 Bend radius (mm)
 Rayon de Courbure (mm)
 Biegeradius (mm)

Pressione a 20°C -Pressure at 20°C
 Pression à 20°C- Druck bei 20°C

Esercizio-Working (bar)
 Travail-Druckbereich (bar)

Scoppio-Bursting point (bar)
 Point d'éclatement-Berstpunkt (bar)

Temp	%	Ø e (mm)	Ø i (mm)	Peso (gr/mt)	Raggio di curvatura (mm)	Esercizio-Working (bar)	Scoppio-Bursting point (bar)
20°C	100%	4	2	11,12	20	22	67
30°C	83%	4	2,5	9,03	20	15	46
40°C	72%	5	3	14,82	25	17	50
50°C	64%	6	4	18,53	30	13	40
60°C	47%	8	6	25,94	40	10	29
		10	8	33,35	50	7	22
		12	9	58,36	50	10	29

POLIAMMIDE 6 (PA6)

TUBI FLESSIBILI

Temperature di Impiego: da -10°C a +80°C.
 Durezza: 85 Shore D
 Il tubo è fornito in rotoli da 100mt.
 Colori disponibili: Neutro, Giallo, Verde, Rosso, Nero, Blu

POLYAMIDE 6 (PA 6)

FLEXIBLE HOSES

Working temperature -10°C to +80°C.
 Hose Hardness 85 Shore D
 Rolls: 100 mts .
 Colours available : Neutral, Yellow, Green, Red, Black, Blue

POLYAMIDE 6 (PA 6)

TUBE FLEXIBLE

Température de travail: -10°C jusqu' à +80°C.
 Dureté: 85 Shore D
 Rouleaux: 100 mètres.
 Couleurs disponibles: Neutre, Jaune, Vert, Rouge Noir, Bleu

POLYAMID 6 (PA6)

FLEXIBLER SCHAUCH

Temperaturbereich -10°C bis +80°C.
 Schlauchhärte 85 Shore D
 Rollenlänge: 100 mts.
 Farben: Neutral, Blau, Gelb, Rot, Grün, Schwarz

Variatione % della Pressione in funzione della temperatura
 Pressure variation (%) in relation with temperature change
 Variation (%) de la pression en fonction du changement de la température:
 Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

Dimensioni-Sizes
 Diamètre-Durchmesser

Peso (gr/mt)
 Weight (gr/mt)
 Poids (gr/mt)
 Gewicht (gr/mt)

Raggio di curvatura (mm)
 Bend radius (mm)
 Rayon de Courbure (mm)
 Biegeradius (mm)

Pressione a 20°C -Pressure at 20°C
 Pression à 20°C- Druck bei 20°C

Esercizio-Working (bar)
 Travail-Druckbereich (bar)

Scoppio-Bursting point (bar)
 Point d'éclatement-Berstpunkt (bar)

Temp	%	Ø e (mm)	Ø i (mm)	Peso (gr/mt)	Raggio di curvatura (mm)	Esercizio-Working (bar)	Scoppio-Bursting point (bar)
20°C	100%	4	2	10,64	25	56	167
30°C	83%	4	2,5	8,65	30	38	115
40°C	72%	5	3	14,19	30	42	125
50°C	64%	6	4	17,74	45	33	100
60°C	57%	8	6	24,84	65	24	71
70°C	52%	10	8	31,93	80	19	56
80°C	47%	12	10	39,03	100	15	45
		14	12	46,13	100	13	38
		15	12,5	60,98	140	15	45

POLIAMMIDE 6.6 (PA6.6)

TUBI FLESSIBILI

Particolarmente idoneo per il passaggio di olio e grasso
 Temperature di Impiego: da 0°C a +100°C.
 Durezza: 96 Shore D
 Il tubo è fornito in rotoli da 100mt.
 Colori disponibili: Neutro

POLYAMIDE 6.6 (PA6.6)

FLEXIBLE HOSES

This hose is suitable for oil and grease applications .
 Working temperature: 0°C to +100°C.
 Hose Hardness: 96 Shore D
 Rolls: 100 mts.
 Colour Available: Neutral

POLYAMIDE 6.6 (PA6.6)

TUBE FLEXIBLE

Le Polyamide 6.6 est un tube conseillé pour le passage de l'huile et du gras.
 Température de travail: 0°C jusqu'à +100°C.
 Dureté: 96 Shore D
 Rouleaux: 100 mètres.
 Couleurs disponibles: Neutre

POLYAMID 6.6 (PA6.6)

FLEXIBLER SCHAUCH

Dieser Schlauch ist besonders für Anwendungen mit Oel und Fett geeignet.
 Temperaturbereich: 0°C bis +100°C.
 Schlauchhärte: 96 Shore D
 Rollenlänge: 100 mts.
 Farben: Neutral

Variazione % della Pressione in funzione della temperatura
 Pressure variation (%) in relation with temperature change
 Variation (%) de la pression en fonction du changement de la température:
 Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

Dimensioni- Sizes
 Diamètre- Durchmesser

Peso (gr/mt)
 Weight (gr/mt)
 Poids (gr/mt)
 Gewicht (gr/mt)

Raggio di curvatura (mm)
 Bend radius (mm)
 Rayon de Courbure (mm)
 Biegeradius (mm)

Pressione a 20°C - Pressure at 20°C
 Pression à 20°C - Druck bei 20°C

Esercizio-Working (bar)
 Travail-Druckbereich (bar)

Scoppio-Bursting point (bar)
 Point d'éclatement-Berstpunkt (bar)

Temperature	Pressure Variation (%)	Ø e (mm)	Ø i (mm)	Weight (gr/mt)	Bend radius (mm)	Working (bar)	Bursting point (bar)
20°C	100%	4	1,5	12,20	35	136	409
40°C	85%	6	3	24	45	100	300
60°C	60%						
80°C	40%						
100°C	30%						

POLIETILENE (LDPE)

TUBI FLESSIBILI

Temperature di Impiego: da -10°C a +60°C.
 Durezza: 46 Shore D
 Il tubo è fornito in rotoli da 100mt.
 Colori disponibili: neutro, rosso, giallo, blu, verde, nero e azzurro

LD POLYETHYLENE (LDPE)

FLEXIBLE HOSES

Working temperature -10°C a +60°C.
 Hose Hardness: 46 Shore D
 Rolls: 100 mts.
 Colours available: Neutral, red, yellow, blue, green, black, light blue

POLYETHYLENE (LDPE)

TUBE FLEXIBLE

Température de travail: -10°C jusqu' à +60°C.
 Dureté : 46 Shore D
 Rouleaux: 100 mètres.
 Couleurs disponibles: rouge , jaune, bleu, vert, noir et bleu clair

POLYETHYLEN (LDPE)

FLEXIBLER SCHAUCH

Temperaturbereich: -10°C bis +60°C.
 Schlauchhärte: 46 Shore D
 Rollenlänge: 100 mts.
 Farben: Neutral, Rot, Gelb, Blau, Grün, Schwarz und Blau

Variazione % della Pressione in funzione della temperatura
 Pressure variation (%) in relation with temperature change
 Variation (%) de la pression en fonction du changement de la température:
 Druckschwankungen (%) im Verhältnis mit Temperaturänderungen

Dimensioni- Sizes
 Diamètre- Durchmesser

Peso (gr/mt)
 Weight (gr/mt)
 Poids (gr/mt)
 Gewicht (gr/mt)

Raggio di curvatura (mm)
 Bend radius (mm)
 Rayon de Courbure (mm)
 Biegeradius (mm)

Pressione a 20°C - Pressure at 20°C
 Pression à 20°C - Druck bei 20°C

Esercizio-Working (bar)
 Travail-Druckbereich (bar)

Scoppio-Bursting point (bar)
 Point d'éclatement-Berstpunkt (bar)

Temperature	Pressure Variation (%)	Ø e (mm)	Ø i (mm)	Weight (gr/mt)	Bend radius (mm)	Working (bar)	Bursting point (bar)
20°C	100%	4	2	8,69	18	21	63
30°C	83%	4	2,5	7,06	20	15	44
40°C	72%	5	3	11,58	25	16	48
50°C	64%	6	4	14,48	30	13	38
60°C	57%	8	6	20,27	40	9	27
		10	7	36,91	60	11	34
		12	9	45,60	65	9	27
		12	10	31,85	80	6	17
		14	11	54,28	80	8	23
		15	12,5	49,76	100	6	17

P.T.F.E.

TUBI FLESSIBILI

È utilizzato quando l'alta temperatura è abbinata ad ambienti di lavoro aggressivi e critici, ha un'ottima resistenza ai prodotti chimici, ottime proprietà dielettriche e rimane inalterato a contatto con ossigeno, ozono e raggi ultra-violetti.
 Temperature di impiego: -60°C to +260°C.
 Durezza: 60 Shore D
 Resistenza alla fiamma: UL 94 V0
 Il tubo è fornito in rotoli da 50 mt.
 Colori disponibili: Neutro

P.T.F.E.

FLEXIBLE HOSES

P.T.F.E Hose is recommended with high temperatures and critical,aggressive environments.
 It offers great resistance to chemicals and it has high dielectric properties. P.T.F.E is subject to no variations in contact with oxygen, ozone, and Ultraviolet rays
 Working temperature: -60°C to +260°C.
 Hose Hardness: 60 Shore D
 Flame resistance: UL 94 V0
 Rolls: 50 mts.
 Colour available: Neutral

P.T.F.E.

TUBE FLEXIBLE

La caractéristique de ce tube est l'haute résistance à la température ainsi que aux agents chimiques .
 Il offre des propriétés diélectriques optimales et il ne change pas à contact avec l'oxygène , l'ozone et les rayons ultraviolets.
 Température de travail: -60°C jusqu'à +260°C.
 Dureté: 60 Shore D
 Résistance à la flamme: UL 94 V0
 Rouleaux: 50 mètres.
 Couleur disponible: Neutre

P.T.F.E.

FLEXIBLER SCHAUCH

PTFE Schlauch ist temperaturfest und gegen nahezu alle Chemikalien beständig daher für aggressive Umgebungen und hohe Temperaturen besonders geeignet . Dieser Schlauch bietet sehr gute dielektrische Eigenschaften und bleibt in Berührung mit Sauerstoff, Ozon und Ultraviolettstrahlen unverändert.
 Temperaturbereich: -60°C bis +260°C.
 Schlauchhärte: 60 Shore D
 Flammwidrigkeit: UL 94 V0
 Rollenlänge: 50 mts.
 Farben: Neutral

Dimensioni Sizes Diamètre Durchmesser	Tolleranza Tolerance Tolérance Toleranz	Parete Wall Cloison Wanddicke	(mm) (mm) (mm) (mm)	Tolleranza Tolerance Tolérance Toleranz	Ø e (mm)	Raggio di curvatura (mm) Bend radius (mm) Rayon de Courbure (mm) Biegeradius (mm)	Esercizio-Working (bar) Travail-Druckbereich (bar)	Scoppio-Bursting point (bar) Point d'éclatement-Berstpunkt (bar)	Peso (gr/mt) Weight (gr/mt) Poids (gr/mt) Gewicht (gr/mt)
4x2	±0,10	1		±0,20	4	20	27	81	22
6x4	±0,15	1		±0,20	6	35	18	54	37
8x6	±0,20	1		±0,20	8	40	14	42	51
10x8	±0,30	1		±0,20	10	60	12	36	66
12x10	±0,30	1		±0,20	12	85	10	30	80