HOVEDKATALOG

SACA
HAR HELE
LØSNINGEN

IKKE KUN
RØRSYSTEMET

SACA

- din leverandør af trykluftsrør

ISO CERTIFICATION

Aignep is certfied to UNI EN ISO 9001:2015, international standard for company quality management systems.

ICIM
UNI EN ISO 9001:2015
SISTEMA DI GESTIONE CERTIFICATO

COMPLIANCE 2014/68/UE

Infinity® products satisfy the requirements of 2014/68/UE (PED: Pressure Equipment Directive).

CE
PED
2014/68/UE

REACH COMPLIANCE

All Infinity® products comply with REACH standard EC N°1907 / 2006
concerning restrictions of chemical hazardous substances.

REACH

ROHS COMPLIANCE

All Infinity® products comply with ROHS directives: 2011/65/UE concerning restrictions of dangerous substances in appliances.

RoHS
COMPLIANT

ASME B31.1 / B31.3 / TSSA

Infinity® products satisfy the requirements of ASME B31.1 and ASME B31.3 and conform to (TSSA) Technical Standards & Safety Authority.

ASME
SETTING THE STANDARD

QUALICOAT COMPLIANCE

Infinity® uses paints that comply with UNI 9983 - BS 6496 - AAMA 603-605.

QUALICOAT

QUALICOAT COMPLIANCE

Chemical pre-treatments on Infinity® products comply with
UNI 9921 - DIN 50939 - ASTM D 1730 - MIL C 5541.

QUALICOAT

ABSENCE OF SILICONE

Infinity® products are silicon-free , in order to guarantee the highest purity level of air.

FIRE RESISTANCE

All Infinity® products are not flammable and they limit flame spread according to UNI EN 13501-1: 2005.
Class A2 - d1 - d0.

COMPLIANCE ISO 8573-1

Infinity® system is tested in order to fully comly the norm. The Infinity® products do not contaminate the inner fluid.

INFINITY WARRANTY

Infinity® has a 10 years warranty.

INFINITY produktfordele

- Høj flowhastighed og minimalt trykfald
- Kræver begrænset vedligeholdelse
- Nemt og enkelt at montere
- Holdbart og korrosionsbestandigt
- Høj materialekvalitet
- Separationssystem til kondens
- Systemet kan genanvendes
- UV-bestandigt
- Bredt udvalg af fittings og lynfittings til installation af rørsystemer
- Nemt at modificere og udbygge
- **Infinity opfylder alle krav i PED-direktivet 2014/68/EU**

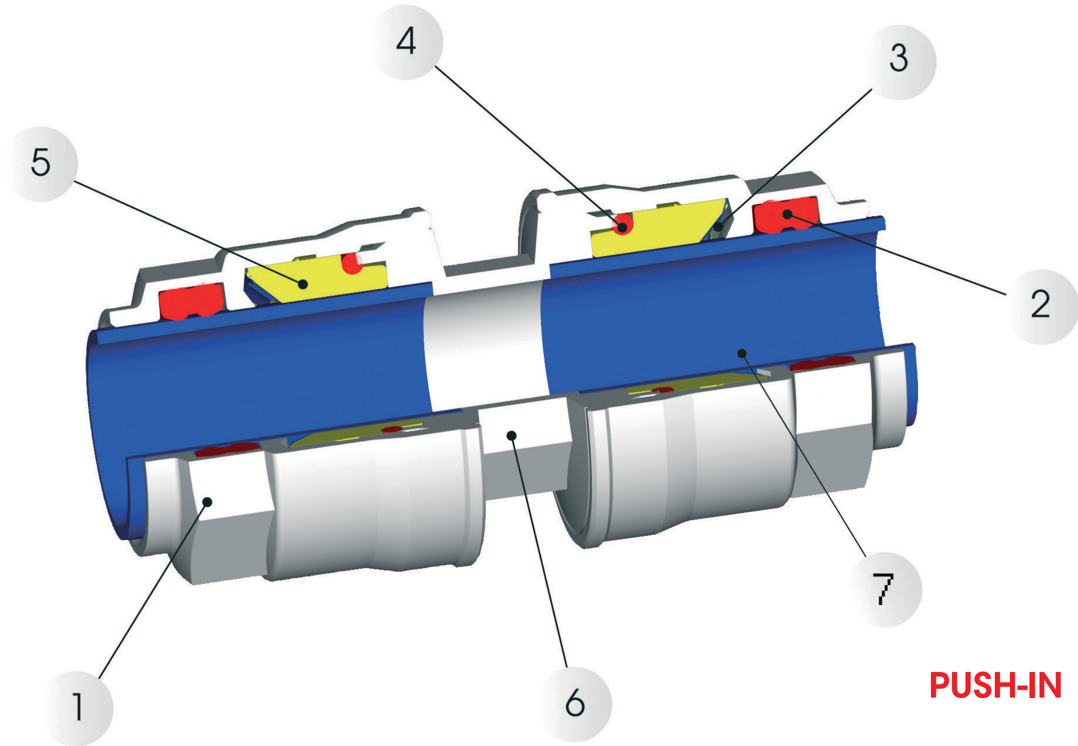
TEKNISKE SPECIFIKATIONER Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63

1907/2006
RACH

PED 2014/68/EU

2011/65/CE
RoHS

Silikonefri



PUSH-IN

PRODUKTBESKRIVELSE

1 Omløber fremstillet af forniklet messing/aluminium ø50 og ø63
2 Pakning fremstillet af NBR - Kan også leveres med Viton (FKM)
3 Klemme spændeskive fremstillet af Inox AISI 304
4 O-RING pakninger fremstillet af NBR - Kan også leveres med Viton (FKM)
5 Sikkerhedsring fremstillet af Technopolymer
6 Hus fremstillet i forniklet messing/aluminium ø50 og ø63
7 Extruded aluminiumsrør kalibreret og pulverbelagt blå farve (RAL 5010), grå farve (RAL 7035) og lyseblå farve (RAL 5012)

BELASTNINGER

Min. belastning	-0.99 bar (0.099 Mpa)
Max. belastning	16 bar (1.6 Mpa)

TEMPERATURER

Min. temperatur	-20°C
Max. temperatur	+80°C

KOMPATIBLE MEDIER

Trykluft
Vacuum
Inaktive gasser (nitrogen, argon) med flere
Oxygen

BRANDKLASSIFIKATION

Systemet hverken antænder eller spreder ild

TEKNISKE EGENSKABER TIL RØR

Extruded aluminium	UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2
Betegnelser UNI EN 573-3	EN AW 6060 T6
Overfladebehandling	Elektrostatisk maling
Specifik vægt	2.70 Kg/dm^3
Udvidelseskoefficient	0.024 mm/(m °C)

OMLØBER

Gevind koniske i overensstemmelse med ISO 7
Omløber i overensstemmelse med ISO 228

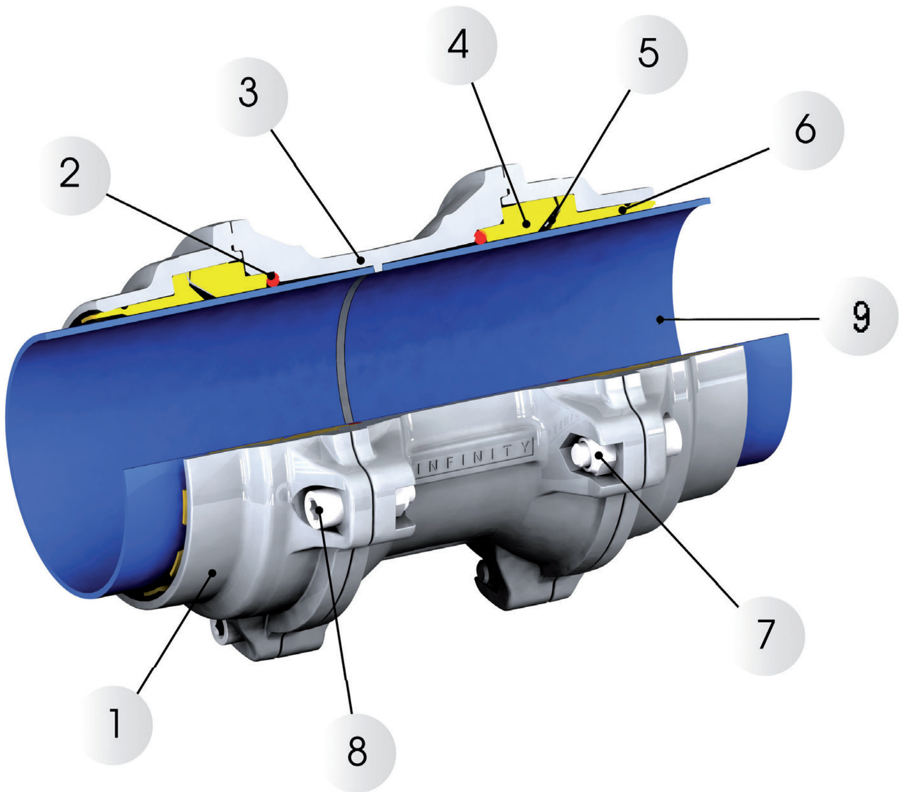
TEKNISKE SPECIFIKATIONER Ø80 - Ø110 - Ø168

1907/2006
REACH ✓

PED 2014/68/EU

2011/65/CE
RoHS ✓

Silikonefri



PUSH-IN

PRODUKTBESKRIVELSE

1 Flange fremstillet af aluminium med en afpudset overfladebehandling
2 O-RING pakning fremstillet af NBR - Kan også leveres med Viton (FKM)
3 Hus fremstillet af aluminium med afpudset overfladebehandling
4 Sikkerhedsring fremstillet af technopolymer
5 Klemme spændeskive fremstillet af AISI 301
6 Styrering fremstillet af technopolymer
7 Selvlåsende møtrik i zinkbeklædt stål
8 TCEI skrue i zinkbeklædt stål
9 Extruded aluminiumsrør kalibreret og pulverbelagt blå farve (RAL 5010) – grå farve (RAL 7035)

BELASTNINGER

Min. belastning	-0.99 bar (0.099 Mpa)
Max. belastning	16 bar (1.6 Mpa)

TEMPERATURER

Min. temperatur	-20°C
Max. temperatur	+80°C

KOMPATIBLE MEDIER

Trykluft
Vacuum
Inaktive gasser (nitrogen, argon) med flere
Oxygen

BRANDKLASSIFIKATION

Systemet hverken antænder eller spreder ild

FLANGE

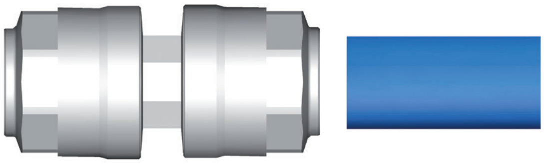
Flange UNI EN 1092 - 4 PN 16 (ANSI 150-LB)
Krop i overensstemmelse med ISO 228

TEKNISKE EGENSKABER TIL RØR

Extruded aluminium	UNI 9006/1 Al Mg 0.5 Si 0.4 Fe 0.2
Betegnelser UNI EN 573-3	EN AW 6060 T6
Overfladebehandling	Elektrostatisk maling
Specifik vægt	2.70 Kg/dm^3
Udvidelseskoefficient	0.024 mm/(m °C)

INSTALLATION Ø20 - Ø25 - Ø32 - Ø40

1

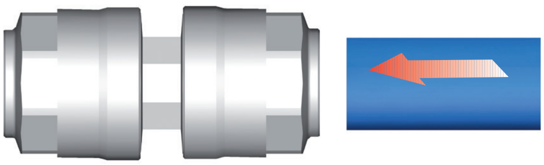


Fittings med ø20 – ø25 – ø32 – ø40 er forspændt.
Rør på 4 & 6 mtr er reifet, kalibreret og malet.

I tilfælde af afmontering af fittings, benyt drejningsmomenter som angivet i tabellen for at genmontere fittings.

Diameter	Drejningsmoment
20	3 Nm
25	3 Nm
32	4 Nm
40	6,5 Nm

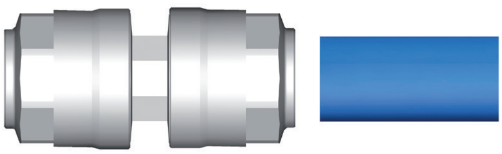
2



Tryk rør ind i fittingen for automatisk forbindelse.

INSTALLATION Ø50 - Ø63

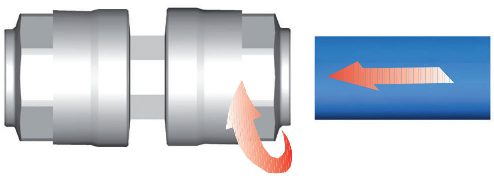
1



Fittings med ø50 – ø63 er formonteret med løsnet omløber for at lette rørforbindelsen. Rør på 4 & 6 mtr er reifet, kalibreret og malet.

Diameter	Drejningsmoment
50	75 Nm
63	85 Nm

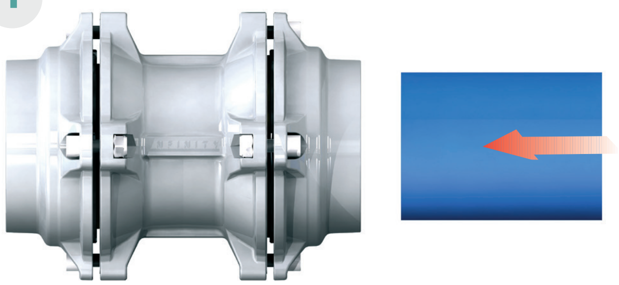
2



Skub rør ind i fittingen for forbindelse og spænd omløber ved at benytte drejningsmomenterne som angivet i tabellen.

INSTALLATION Ø80 - Ø110 - Ø168

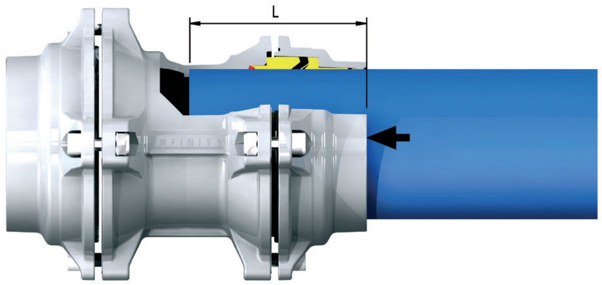
1



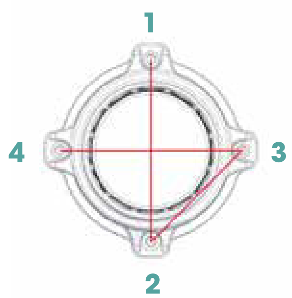
Diameter	Drejningsmoment
80	30 Nm
110	30 Nm
168	60 Nm

Fittings med ø80 - ø110 - ø168 er formonteret med fire løse skruer for at lette rørforbindelsen. Rør på 4 & 6 mtr er reifet, kalibreret og malet.

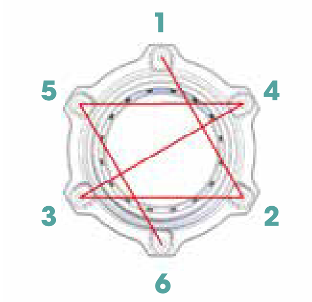
2



Tryk røret ind i fittingen for automatisk forbindelse og spænd i angivet rækkefølge. Spænd omdrejningsmomentet efter produktets diameter.

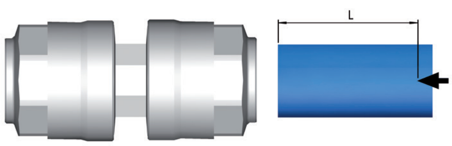


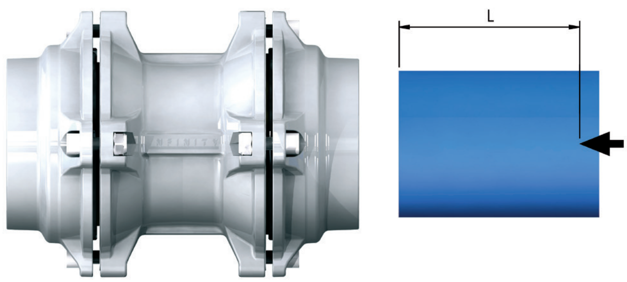
80 - 110



168

RØRFORBINDELSE





Den korrekte forbindelse af røret bekræftes ved positionen af pilaftrykket. Hvis der er behov for at afkorte røret, markér afstanden på røret og monter fittingen.

Diameter	L mm
20	31.5 mm
25	38.5 mm
32	46 mm
40	52 mm
50	63.5 mm
63	57.5 mm
80	91 mm
110	125.5 mm
168	193 mm

VÆLG DIAMETER TIL INSTALLATIONEN

Diagrammet nedenfor angiver bestemmelse af hovedstrengens diameter.

1. I den venstre kolonne, vælg kompressorens flow rate.
2. I den højre kolonne, vælg afstanden mellem kompressoren og det fjerneste udtag.
3. Lad de to kolonner krydse hinanden og vælg herved diameter.

Flow Rate			Afstand mellem kompressor og det fjerneste udtag.										
Nl/min	Nm3/h	cfm	25m 82ft	50m 164ft	100m 328ft	150m 492ft	200m 656ft	300m 984ft	400m 1312ft	500m 1640ft	1000m 3280ft	1500m 4921ft	2000m 6562ft
230	14	8	20	20	20	20	20	20	20	20	20	25	25
650	39	23	20	20	20	20	25	25	25	25	32	32	40
900	54	32	20	20	25	25	25	32	32	32	40	40	40
1200	72	42	20	20	25	25	32	32	32	32	40	40	50
1750	105	62	20	25	32	32	32	40	40	40	50	50	50
2000	120	71	25	25	32	32	32	40	40	40	50	50	50
2500	150	88	25	32	32	32	40	40	40	50	50	63	63
3000	180	106	25	32	32	40	40	40	50	50	50	63	63
3500	210	124	25	32	40	40	40	50	50	50	63	63	63
4500	270	159	32	32	40	40	50	50	50	50	63	63	80
6000	360	212	32	40	50	50	50	50	63	63	80	80	80
7000	420	247	32	40	50	50	50	63	63	63	80	80	80
8500	510	300	40	40	50	50	63	63	63	63	80	80	110
12000	720	424	40	50	63	63	63	80	80	80	110	110	110
15000	900	530	50	50	63	63	80	80	80	80	110	110	110
18000	1080	636	50	63	63	80	80	80	80	110	110	110	110
21000	1260	742	50	63	63	80	80	80	110	110	110	110	168
26000	1560	918	63	63	80	80	80	110	110	110	168	168	168
31000	1860	1095	63	63	80	80	110	110	110	110	168	168	168
33000	1980	1165	63	80	80	110	110	110	110	110	168	168	168
44000	2640	1554	63	80	110	110	110	110	168	168	168	168	168
50000	3000	1766	80	80	110	110	110	168	168	168	168	168	168
58000	3480	2048	80	80	110	110	110	168	168	168	168	168	*168
67000	4020	2366	80	110	110	110	168	168	168	168	168	*168	*168
75000	4500	2648	80	110	110	168	168	168	168	168	168	*168	*168
83000	4980	2931	80	110	110	168	168	168	168	168	*168	*168	*168
92000	5520	3249	110	110	168	168	168	168	168	168	*168	*168	*168
100000	6000	3531	110	110	168	168	168	168	168	*168	*168	*168	*168

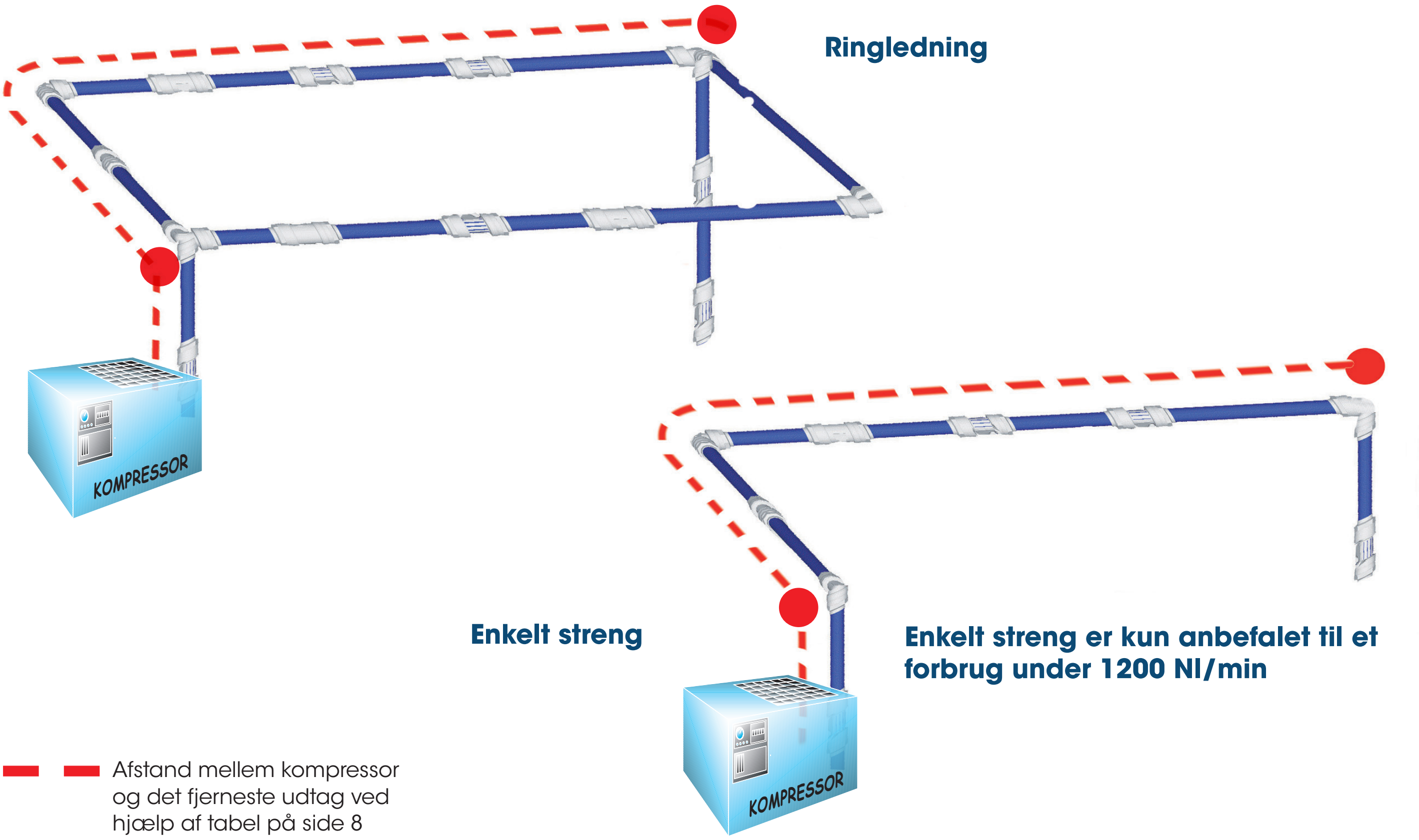
Tryk 7 bar – Samlet trykfald 4%
* Trykfald er højere end 4%

Eksempel

Flow rate: **3000 Nl/min**
Afstand mellem kompressor og fjerneste punkt: **300 m**

Rørdiameter: **40**

AFSTAND MELLEM KOMPRESSOR OG DET FJERNESTE UDTAG



VEJLEDENDE FLOW AF KOMPRESSORER TIL 7 BAR

KW	CV	Nl/min
1.5	2	230
3	4	460
4	6	650
5.5	7,5	900
7.5	10	1200
11	15	1750
12.5	17	2000
15	20	2500
18	25	3000
22	30	3500
29	40	4500
37	50	6000
45	60	7000
55	75	8500
74	100	12000
92	125	15000
110	150	18000
132	180	21000
170	230	26000
200	270	31000
250	340	44000

UDVIDELSE OG SVIND GRUNDET VARMEN

For at udregne den lineære udvidelse/svind, kan følgende formel benyttes:

$\Delta L = \Delta T \times L \times a$

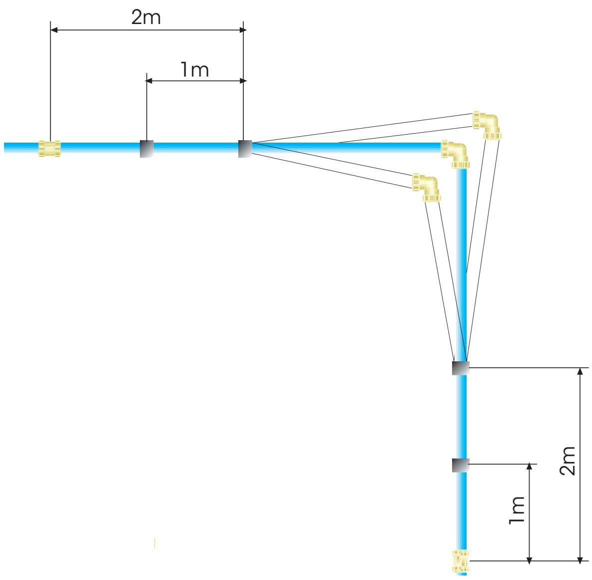
ΔL = Lineær udvidelse/svind i mm

ΔT = Varmeforandring mellem drift- og installationstemperatur i °C.

L = Rørlængde i mtr

a = Lineær udvidelsesfaktor, som for aluminium er 0,024 mm/m °C

Installationen skal være monteret således at enderne er frie til at optage udvidelsen.



KALIBRERET ALUMINIUMSRØR GRÅ FARVE

90060GR - 6MT

Ø Udvendig mm	Godstykkelse mm	Tryk bar	Vægt gr/m	Længde m	Pakke str.
20	1.5	16	235	5,95 m	8
25	1.5	16	298	5,95 m	8
32	1.5	16	387	5,95 m	9
40	1.5	16	490	5,95 m	4
50	2	16	814	5,95 m	4
63	2	16	1034	5,95 m	2
80	2	16	1283	5,95 m	2
110	2.5	16	2280	5,95 m	1
168	4	16	5700	5,95 m	1

KALIBRERET ALUMINIUMSRØR GRÅ FARVE

90040GR - 4MT

Ø Udvendig mm	Godstykkelse mm	Tryk bar	Vægt gr/m	Længde m	Pakke str.
20	1.5	16	235	4 m	8
25	1.5	16	298	4 m	8
32	1.5	16	387	4 m	9
40	1.5	16	490	4 m	9
50	2	16	814	4 m	4
63	2	16	1034	4 m	4
80	2	16	1283	4 m	2
110	2.5	16	2280	4 m	2

Saca forbeholder sig ret til at ændre modeller og dimensioner uden varsel.

KALIBRERET ALUMINIUMSRØR BLÅ FARVE

90060BL - 6MT

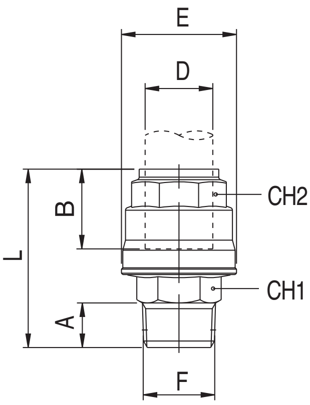
Ø Udvendig mm	Godstykkelse mm	Tryk bar	Vægt gr/m	Længde m	**Pakke** str.
20	1.5	16	235	5,95 m	8
25	1.5	16	298	5,95 m	8
32	1.5	16	387	5,95 m	9
40	1.5	16	490	5,95 m	4
50	2	16	814	5,95 m	4
63	2	16	1034	5,95 m	2
80	2	16	1283	5,95 m	2
110	2.5	16	2280	5,95 m	1
168	4	16	5700	5,95 m	1

KALIBRERET ALUMINIUMSRØR BLÅ FARVE

90040BL - 4MT

Ø Udvendig mm	Godstykkelse mm	Tryk bar	Vægt gr/m	Længde m	**Pakke** str.
20	1.5	16	235	4 m	8
25	1.5	16	298	4 m	8
32	1.5	16	387	4 m	9
40	1.5	16	490	4 m	9
50	2	16	814	4 m	4
63	2	16	1034	4 m	4
80	2	16	1283	4 m	2
110	2.5	16	2280	4 m	2

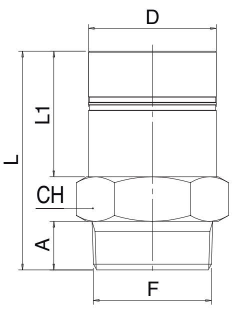
NIPPELMUFFE UDVENDIGT GEVIND



90010

D F	A	B	E	L	CH1	CH2	**Pakke** str.
20 - 1/2	14	31,5	34,5	56	22	30	5
20 - 3/4	16,5	31,5	34,5	61	22	30	5
25 - 1/2	14	38,5	42,5	65	27	35	5
25 - 3/4	16,5	38,5	42,5	66	27	35	5
25 - 1”	19	38,5	42,5	70,5	27	35	5
32 - 1”	19	46	52	76,5	34	45	2
40 - 1”	19	52	63	86,5	45	55	2
40 - 1”1/4	21,5	52	63	89,5	45	55	2
40 - 1” 1/2	21,5	52	63	92	50	55	2
Aluminium							
50 - 1”	19	58,5	84	110,5	50	72	2
50 - 1” 1/2	21,5	58,5	84	112,5	50	72	2
50 - 2”	24	58,5	84	115,5	50	72	2
63 - 2”	24	57,5	94	109,5	65	75	2
63 - 2” 1/2	24	57,5	94	106,5	75	75	2

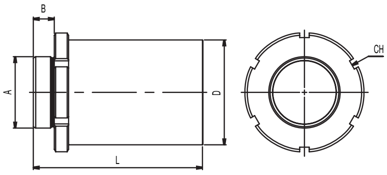
REDUKTION UDVENDIGT GEVIND



90627

D F	A	L	L1	CH	**Pakke** str.
20 - 1/2	14	56	35	22	2
20 - 3/4	16,5	59,5	35	27	2
25 - 1/2	14	64	42	27	2
25 - 3/4	16,5	66,5	42	27	2
25 - 1”	19	71	42	34	2
32 - 1”	19	80	51	34	2
Aluminium					
32 - 1” 1/2	21,5	87,5	51	50	2
40 - 1” 1/2	21,5	92	55,5	50	2
50 - 1” 1/2	21,5	105	68,5	55	2
50 - 2”	24	112,5	68,5	65	2
63 - 2”	24	108	62	65	2
63 - 2” 1/2	24	128	82	75	2

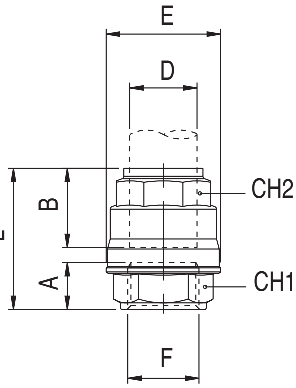
REDUKTION UDVENDIGT GEVIND



90020

D	A	B	L	CH	Pakke str.
80 -	**2" 1/2**	22	143	100	1
80 -	**3"**	23	144	100	1
110 -	**2"1/2**	22	178	125	1
110 -	**3"**	23	179	125	1
110 -	**4"**	23	179	125	1

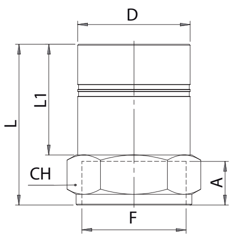
MUFFE INDVENDIGT GEVIND



90030

D	F	A	B	E	L	CH1	CH2	Pakke str.
20 -	**1/2**	15	31,5	34,5	49	24	30	5
25 -	**3/4**	16,5	38,5	42,5	56,5	32	35	5
32 -	**1"**	19	46	52	66,5	38	45	2
40 -	**1" 1/4**	22	52	63	76	50	55	2

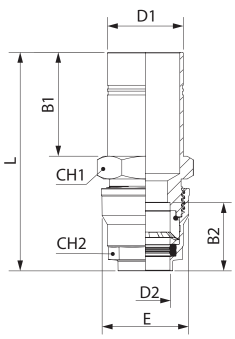
REDUKTION INDVENDIGT GEVIND



90625

D	F	A	L	L1	CH	Pakke str.
Aluminium						
50 -	**1" 1/2**	20	83	61	55	2
63 -	**1" 1/2**	20	84	62	65	2
63 -	**2"**	22	90	62	65	2

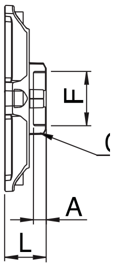
REDUKTION



90621

D1	D2	B1	B2	E	L	CH1	CH2	Pakke str.
50 -	**25**	68,5	40,5	49	140	55	35	2
50 -	**32**	68,5	45	58	144	55	45	2
50 -	**40**	68,5	52	63	139	65	55	2
63 -	**25**	62	40,5	49	133,5	65	35	2
63 -	**32**	62	45	58	137	65	45	2
63 -	**40**	62	52	63	133,5	65	55	2

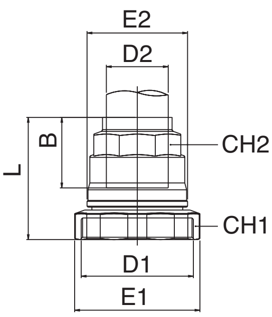
REDUKTION INDVENDIGT GEVIND



90630

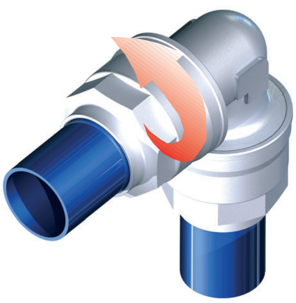
D		F	A	L	CH	Pakke str.
80	-	**3/4**	14,5	42	42	1
80	-	**1"**	17	42	49	1
80	-	**1" 1/2**	20	42	66	1
80	-	**2"**	22	42	80	1
110	-	**3/4**	14,5	48	42	1
110	-	**1**	17	48	49	1
110	-	**1" 1/2**	20	48	66	1
110	-	**2"**	22	48	80	1
168	-	**3/4**	14,5	99,5	42	1
168	-	**1"**	17	102	49	1
168	-	**2"**	22	102	80	1
168	-	**3"**	24	102	120	1

REDUKTION

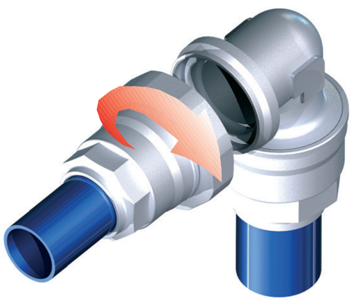


90620

D1	D2	B	E1	E2	L	CH1	CH2	Pakke str.
25	**- 20**	31,5	43,5	34,5	48	42	30	5
32	**- 20**	31,5	54	34,5	48,5	52	30	5
32	**- 25**	38,5	54	42,5	55	52	35	5
40	**- 20**	31,5	65	34,5	50	63	30	4
40	**- 25**	38,5	65	42,5	56,5	63	35	4
40	**- 32**	46	65	52	63,5	63	45	3
63	**- 40**	52	95	63	82,5	92	55	1
63	**- 50**	63,5	95	73	92,5	92	65	1

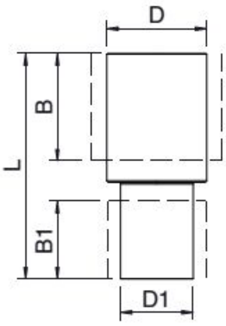


AFMONTER OMLØBER



MONTÉR ART. 90620

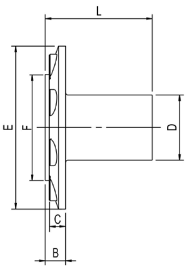
REDUKTIONSRØR

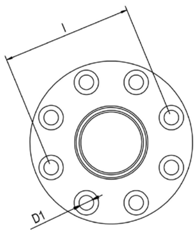


90012

D	D1	B	B1	L	Pakke str.
80	**- 50**	91	63,5	167	1
80	**- 63**	91	57,5	168	1
110	**- 80**	125,5	91	247	1
168	**- 110**	194	125,5	384	1

FLANGERØR



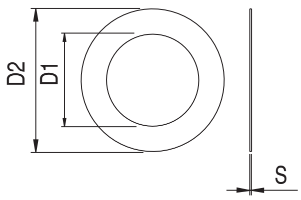


90013

D	B	C	E	F	L	D1	I	Pakke str.
80	25	20	200	130	131	18	160	1
110	25	20	220	158	166	18	180	1
168	27	22	285	216	266	22	240	1

Forbindelsesdimensionerne af flangen er i overensstemmelse med UNI EN 1092-4 PN 16 standard (flange lavet i aluminiumsblanding).

FLANGEPAKNING



90017

D	D1	D2	S	Pakke str.
80	89	131	2	1
110	115	162	2	1
168	169	220	2	1

FLANGE BOLTSÆT

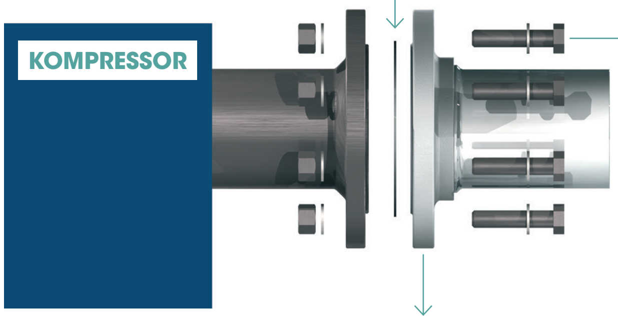
90019

	Rør	Str.	Pakke str.
M16	80 - 110	70 mm	1
M20	168	80 mm	1

Kit: 8 skruer + møtrikker + 16 spændeskiver

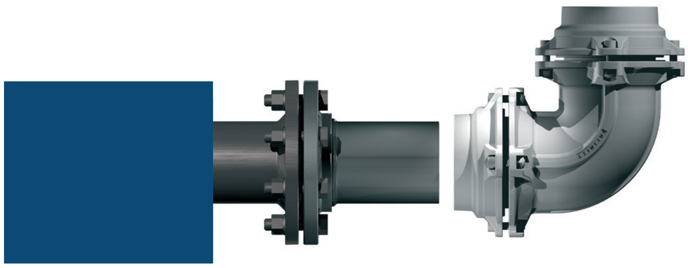
INSTALLATION 90013

90017
Placér flangepakning art. 90017 mellem kompressorflangen og art. 90013. Spænd de otte skruer, art. 90019. Spænd max 60Nm.



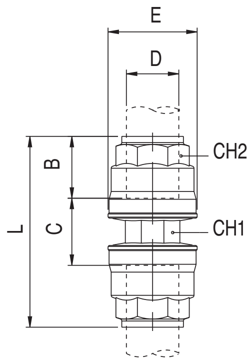
90019
Kit:
8 skruer
8 møtrikker
16 spændeskiver

90013
For at forbinde rørsystemet til kompressoren, benyt flange rør art. 90013



Endelig montering.

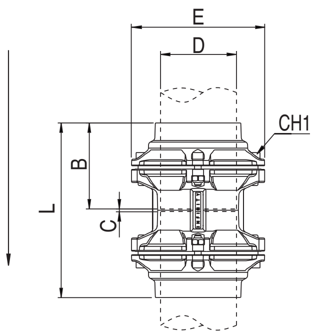
LIGE SAMLER



90040

D	B	C	E	L	CH1	CH2	**Pakke** str.
20	31,5	14,5	34,5	76,5	21	30	2
25	38,5	13,5	42,5	90,5	26	35	2
32	46	14,5	52	106,5	32	45	2
40	52	21	63	125	41	55	2
Aluminium							
50	58,5	59	84	175	59	72	2
63	57,5	44	94	159	73	75	1

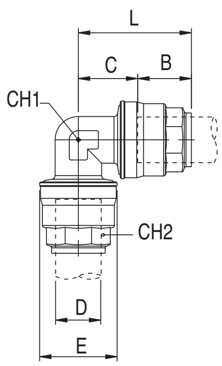
LIGE SAMLER



90040

D	B	C	E	L	CH1	**Pakke** str.
80	91	3,5	145	186	6	1
110	125,5	4	200	255	8	1
168	194	5	306	393	10	1

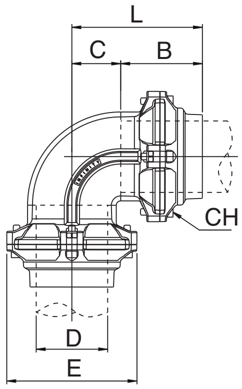
VINKEL 90°



90130

D	B	C	E	L	CH1	CH2	**Pakke** str.
20	31,5	19	34,5	51	21	30	4
25	38,5	23	42,5	61,5	26	35	4
32	46	28	52	74,5	34	45	2
40	52	34	63	86,5	41	55	2
Aluminium							
50	58,5	63	84	121,5	59	72	2
63	57,5	55,5	94	113	73	75	1

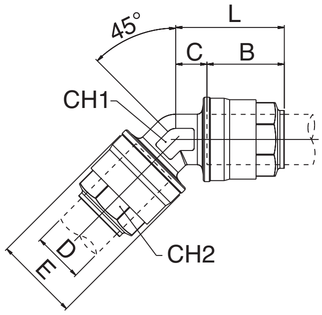
VINKEL 90°



90130

D	B	C	E	L	CH	Pakke str.
80	91	54,5	145	146	6	1
110	125,5	75	200	200,5	8	1
168	194	81,5	306	393	10	1

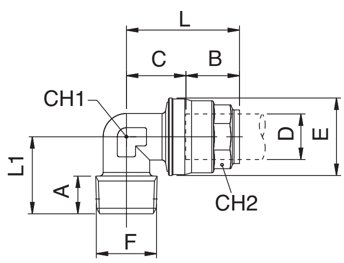
VINKEL 45°



90140

D	B	C	E	L	CH1	CH2	Pakke str.
20	31,5	12,5	34,5	44	21	30	4
25	38,5	13,5	42,5	52	26	35	4
32	46	15	52	61	34	45	2
40	52	18	63	70	41	55	2
Aluminium							
50	58,5	33,5	84	94	59	72	2
63	57,5	24	94	82	73	75	1

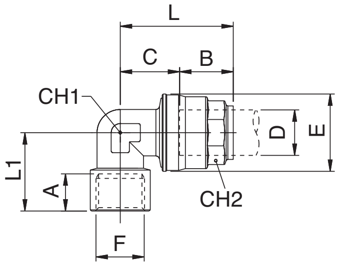
VINKEL 90° UDVENDIGT GEVIND



90150

D	F	A	B	C	E	L	L1	CH1	CH2	Pakke str.
20 -	**1/2**	14	31,5	19	34,5	51	32	21	30	4
25 -	**3/4**	16,5	38,5	23	42,5	61,5	37	26	35	4
32 -	**1”**	19	46	28	52	74,5	49	34	45	2
40 -	**1” 1/4**	21,5	52	34	63	86,5	54	41	55	2

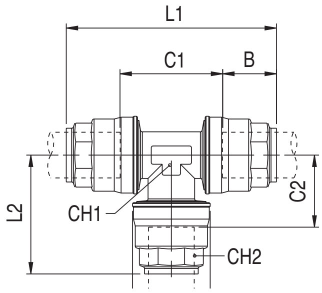
VINKEL 90° INDVENDIGT GEVIND



90160

D	F	A	B	C	E	L	L1	CH1	CH2	Pakke str.
20 -	**1/2**	13	31,5	19	34,5	51	34,5	21	30	4
25 -	**3/4**	14,5	38,5	23	42,5	61,5	38,5	26	35	4
32 -	**1"**	16,5	46	28	52	74,5	47,5	34	45	2
40 -	**1" 1/4**	20	52	34	63	86,5	56,5	41	55	2

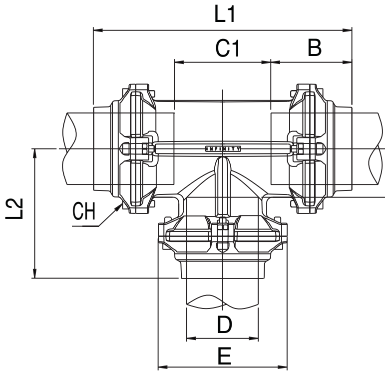
TEE-STYKKE



90230

D	E	B	C1	C2	L1	L2	CH1	CH2	Pakke str.
20	34,5	31,5	34,5	22,5	98	54,5	21	30	3
25	42,5	38,5	37,5	26	113,5	65	26	35	3
32	52	46	46,5	31,5	138,5	77	34	45	2
40	63	52	55,5	38	159,5	90	41	55	1
Aluminium									1
50	84	58,5	126	79	243	122	40,5	72	1
63	94	57,5	111	55,5	226	113	73	75	1

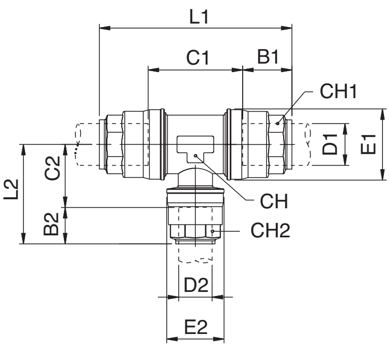
TEE-STYKKE



90230

D	E	B	C1	C2	L1	L2	CH	Pakke str.
80	145	91	109	54,5	291,5	138	6	1
110	200	125,5	150,5	75	401	200,5	8	1
168	306	194	235	117,5	623	311,5	10	1

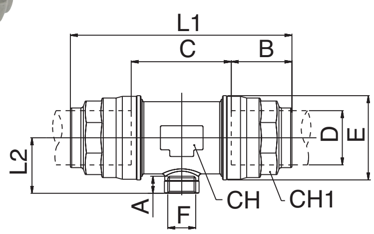
REDUKTIONS-TEE MED KONDENSSPÆRRE



90235

D1	D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2	**Pakke** str.
20	**20**	31,5	31,5	48	22,5	34,5	34,5	109	54	28	30	30	3
25	**20**	38	31,5	45,5	27,5	42,5	34,5	121,5	59	35	35	30	3
32	**20**	46	31,5	54,5	31,5	52	34,5	146,5	63	45	45	30	2
32	**25**	46	38	54,5	31,5	52	42,5	146,5	70	45	45	35	2
40	**20**	52,5	31,5	60	34,5	63	34,5	165,5	66	55	55	30	2
40	**25**	52,5	38	60	34,5	63	42,5	165,5	73	55	55	35	2
Aluminium													
50	**20**	58,5	33	105	57	84	40	222	90	69	72	30	1
50	**25**	58,5	41	105	57	84	49	222	98	69	72	35	1
50	**32**	58,5	45	105	57	84	58	222	102	69	72	45	1
63	**20**	57,5	33	87,5	64,5	94	40	205,5	97	80	75	30	1
63	**25**	57,5	41	87,5	64,5	94	49	205,5	105	80	75	35	1
63	**32**	57,5	45	87,5	64,5	94	58	205,5	112	80	75	45	1

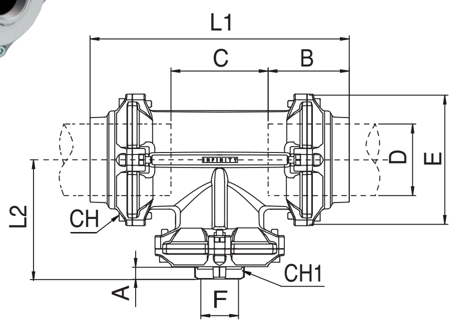
REDUKTIONS-TEE MED KONDENSSPÆRRE



90236

D	**F**	A	B	C	E	L	L1	CH1	CH2	**Pakke** str.
20	**3/8**	11	31,5	48	34,5	109	25	28	30	3
20	**1/2**	13,5	31,5	48	34,5	109	28	28	30	3
25	**3/8**	11	38,5	45,5	42,5	121,5	29	35	35	3
25	**1/2**	13,5	38,5	45,5	42,5	121,5	31	35	35	2
32	**1/2**	13,5	46	54,5	52	146,5	36,5	45	45	2
40	**1/2**	13,5	52,5	60	63	165,5	41,5	55	55	2
Aluminium										
50	**3/4**	14,5	58,5	105	84	222	53	69	72	1
50	**1"**	17,5	58,5	105	84	222	53	69	72	1
63	**1/2**	13,5	57,5	88	94	203	53	80	75	1
63	**3/4**	14,5	57,5	88	94	203	54	80	75	1
63	**1"**	17,5	57,5	88	94	203	56,5	80	75	1

REDUKTIONS-TEE MED KONDENSSPÆRRE



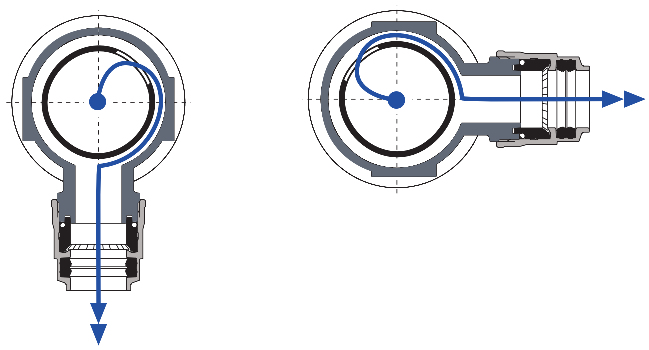
90236

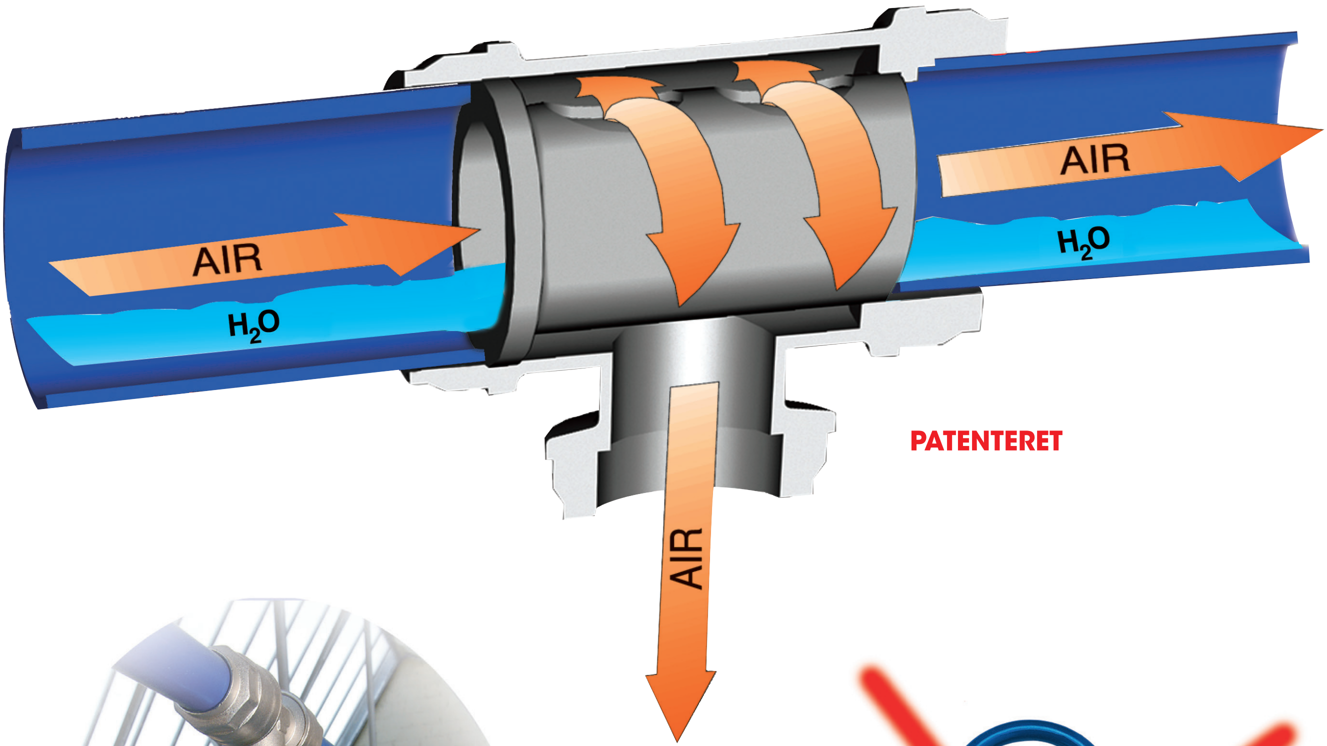
D	F	A	B	C	E	L	L1	CH1	CH2	**Pakke** str.
80	**3/4**	14,5	91	109	145	291,5	138	6	42	1
80	**1″**	17	91	109	145	291,5	138	6	49	1
80	**1″ 1/2**	20	91	109	145	291,5	138	6	66	1
80	**2″**	22	91	109	145	291,5	138	6	80	1
110	**3/4**	14,5	125,5	150,5	200	401	180	8	42	1
110	**1″**	17	125,5	150,5	200	401	180	8	49	1
110	**1″ 1/2**	20	125,5	150,5	200	401	180	8	66	1
110	**2″**	22	125,5	150,5	200	401	180	8	80	1
168	**3/4***	14,5	194	235	306	623	275	10	41,5	1
168	**1″***	17	194	235	306	623	277	10	48	1
168	**2″***	17	194	235	306	623	277	10	78	1
168	**3″***	17	194	235	306	623	277	10	119	1

* Uden kondensspærre

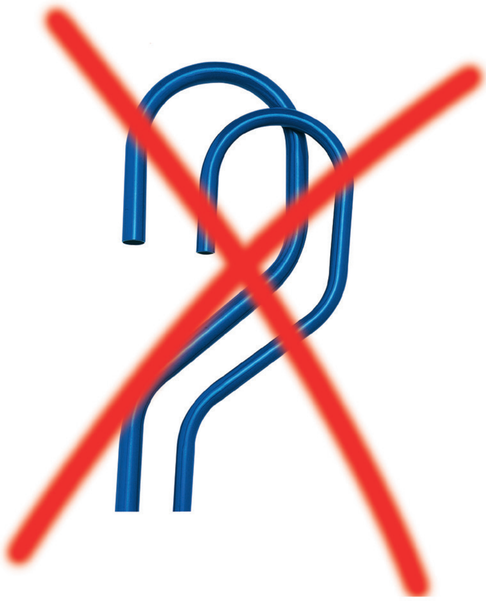
FUNKTION 90235 - 90236

Denne fitting er et alternativ til den traditionelle anboring; den viser sig at være en hurtigere og mere omkostningsmæssig effektiv løsning. Det effektive indre system tillader luften at komme ned til udtaget uden nogen former for kondensvand, som derfor forbliver i hovedstrengen og kan aftappes efter behov.



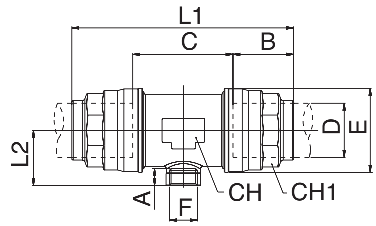


PATENTERET



Saca forbeholder sig ret til at ændre modeller og dimensioner uden varsel.

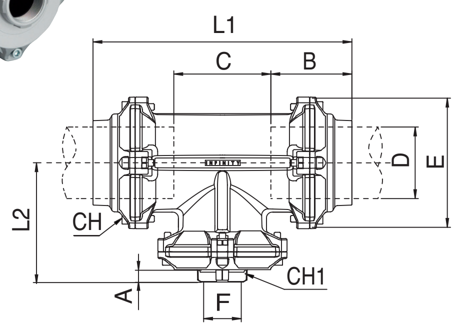
REDUKTIONS-TEE MED KONDENSAFTAP



90250

D	F	A	B	C	E	L	L1	CH1	CH2	**Pakke** str.
63 -	**1/2**	13,5	57,5	88	94	203	53	80	75	1

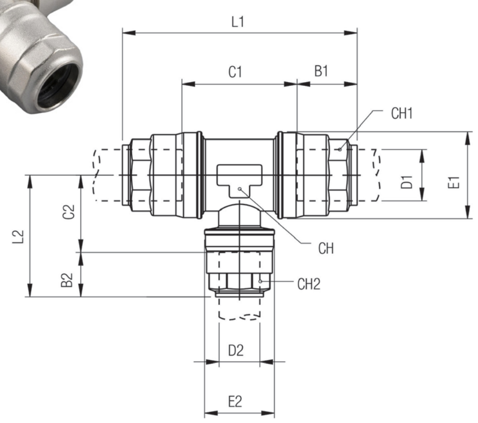
REDUKTIONS-TEE MED KONDENSAFTAP



90250

D	F	A	B	C	E	L	L1	CH1	CH2	**Pakke** str.
80 -	**3/4**	14,5	91	109	145	291,5	138	6	42	1
110 -	**3/4**	14,5	125,5	150,5	200	401	180	8	42	1
168 -	**3/4**	14,5	194	235	306	623	275	10	41,5	1

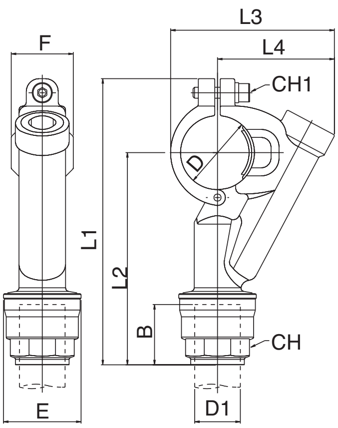
REDUKTIONS-TEE MED KONDENSAFTAP



90259

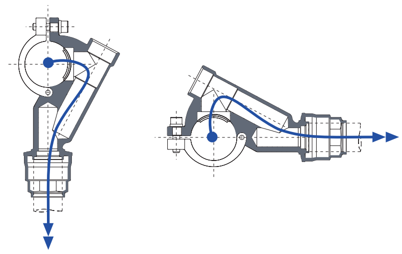
D1 D2	B1	B2	C1	C2	E1	E2	L1	L2	CH	CH1	CH2	**Pakke** str.
20 - 20	38,5	31,5	45,5	27,5	42,5	34,5	121,5	59	35	35	30	3
25 - 20	46	31,5	54,5	31,5	52	34,5	146,5	63	45	45	30	3
32 - 20	46	38	54,5	31,5	52	42,5	146,5	70	45	45	35	2
40 - 20	52,5	31,5	60	34,5	63	34,5	165,5	66	55	55	30	2
Aluminium												
50 - 20	58,5	33	105	57	84	40	222	90	69	72	30	2
63 - 20	57,5	33	87,5	64,5	94	40	205,5	97	80	75	30	2

ANBORINGSBØJLE

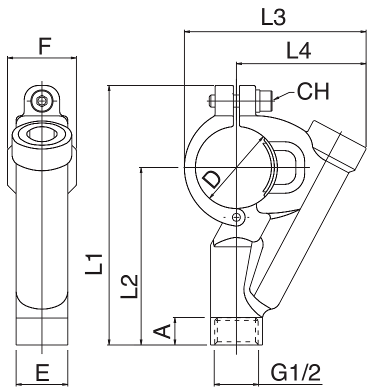


90240

D1 D2	B	E	F	L1	L2	L3	L4	CH	CH1	**Pakke** str.
32 - 20	31,5	34,5	34	136,5	100,5	78	57	30	5	6
32 - 25	38,5	42,5	34	144,5	108,5	78	57	35	5	6
40 - 20	31,5	34,5	34	148,5	108	89,5	64	30	5	4
40 - 25	38,5	42,5	34	156,5	116	89,5	64	35	5	4
50 - 20	31,5	34,5	42,5	167,5	118,5	105,5	74	30	6	5
50 - 25	38,5	42,5	42,5	175,5	126,5	105,5	74	35	6	1
63 - 20	31,5	34,5	42,5	185	130	119	81	30	6	1
63 - 25	38,5	42,5	42,5	193	138	119	81	35	6	1



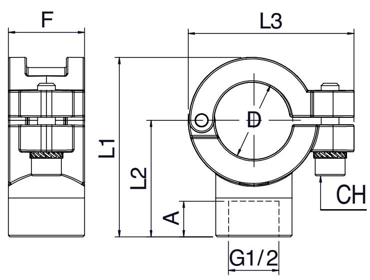
ANBORINGSBØJLE INDVENDIGT GEVIND



90246

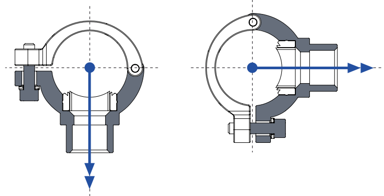
D	**G**	A	E	F	L1	L2	L3	L4	CH	**Pakke** str.
32	**- 1/2**	13	25,5	34	115	79	78	57	5	2
40	**- 1/2**	13	25,5	34	125,5	85	89,5	64	5	2
50	**- 1/2**	13	25,5	42,5	144,5	95,5	105,5	74	6	2
63	**- 1/2**	13	25,5	42,5	162	107	119	81	6	1

ANBORINGSBØJLE INDVENDIGT GEVIND

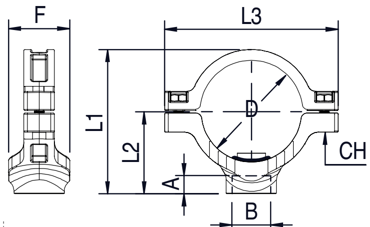


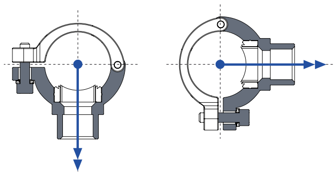
90247

D	**G**	A	F	L1	L2	L3	CH	**Pakke** str.
25	**- 1/2**	15	25,5	50	39	55,5	5	2
32	**- 1/2**	15	34	63,5	42,5	61,5	5	2
40	**- 1/2**	15	34	71	46	70	5	2
50	**- 1/2**	15	42,5	83,5	52	84,5	6	2
63	**- 1/2**	15	42,5	95,5	57,5	97	6	2



ANBORINGSBØJLE INDVENDIGT GEVIND

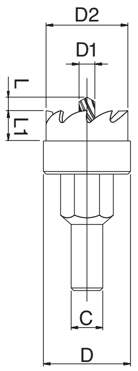




90247

D	B	A	F	L1	L2	L3	CH	Pakke str.
80	**- 3/4**	16,5	50	117,5	66,5	141,5	6	1
80	**- 1"**	19	50	120	69	141,5	6	1
110	**- 3/4**	16,5	50	152,5	82	189,5	8	1
110	**- 1"**	19	50	155	84,5	189,5	8	1
168	**- 3/4**	16,5	52	213	114	249	8	1
168	**- 1"**	19	52	213	114	249	8	1
168	**- 1" 1/2**	19	74	223	124	249	8	1
168	**- 2"**	22	74	223	124	249	8	1

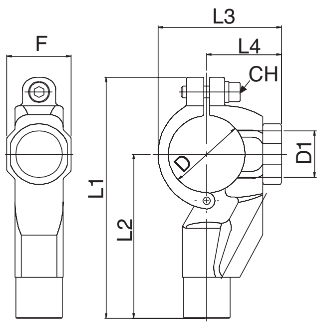
BOR TIL ANBORING



90241

D	C	D	D1	D2	L	L1	Pakke str.
25	9	17,5	6	17	3	10	1
32-40-80-110-168 3/4-1"	9	24	6	23,5	3	10	1
50-63	9	31	6	30,5	3	9	1
168 1"- 2"	10	41	6	40,5	3	13	1

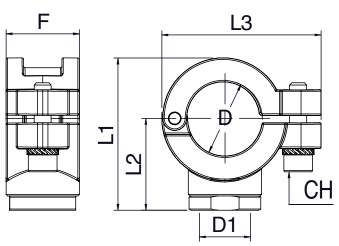
VÆRKTØJ TIL ANBORING



90242

D	D1	F	L1	L2	L3	L4	CH	Pakke str.
32	24,5	34	115	79	56	35	5	1
40	24,5	34	127	86,5	65	39,5	5	1
50	32	42,5	146	97	79	47,5	6	1
63	32	42,5	163,5	108,5	93	55	6	1

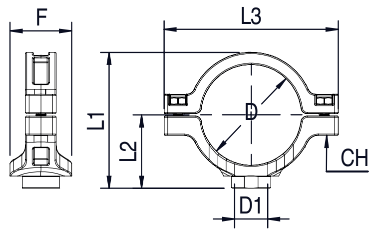
VÆRKTØJ TIL ANBORING



90249

D	D1	F	L1	L2	L3	CH	Pakke str.
25	17,8	25,5	53	32	55,5	5	1
32	24,5	34	56	35	61,5	5	1
40	24,5	34	65	40	70	5	1
50	32	42,5	79	47,5	84,5	6	1
63	32	42,5	93	55	97	6	1

VÆRKTØJ TIL ANBORING

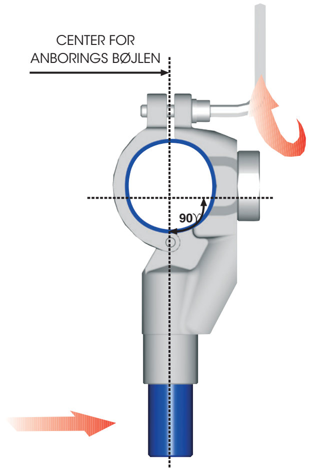


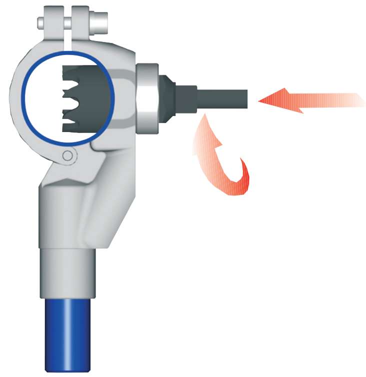
90249

D	D1	F	L1	L2	L3	CH	**Pakke** str.
80	24,5	50	110,5	59,5	141,5	6	1
110	24,5	50	135,5	64,5	189,5	8	1
168 3/4 - 1"	24,5	52	201,5	102,5	248,5	8	1
168 1" 1/2 - 2"	41,5	74	204,5	105,5	248,5	8	1

INSTALLATION 90240

Anboringsbøjlen gør det muligt at opsætte et nyt udtag i et eksisterende system uden at skulle fjerne rør.





1

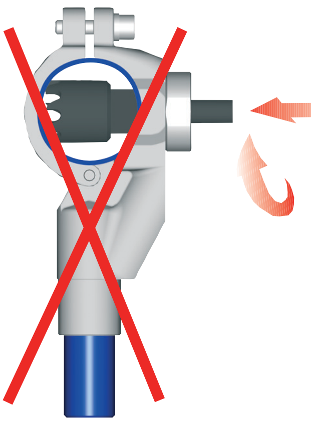
Manometer.
Rør skal være trykløst.

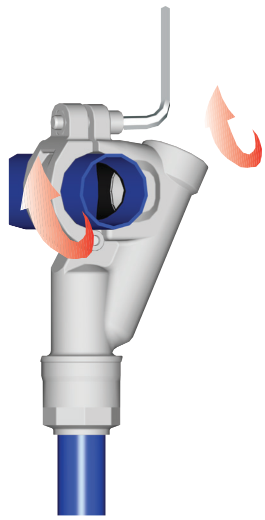
2 **Art. 90242/90249**

Montér anboringsværktøjet på røret. Vær opmærksom på, at bruge den stiblede linje på røret, for at hurtiggøre montagen. Det er muligt at forbinde et rør med Ø 20 i diameter for at lette placeringen af anboringsbøjlen.

3 **Art.90241**

Bor i røret med det rette værktøj art. 90241.





4 **Art. 90242/90249**

Beskadig ikke røret!

5 **Art. 90242/90249**

Demontér anboringsværktøjet og fjern det resterende materiale. Rejf hullet for grater.

6 **Art.90240/90246/90247**

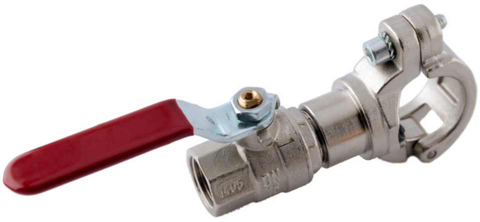
Montér og spænd anboringen. Vær opmærksom på, at pakningen passer korrekt i hullet. Spænd til sidst skruen.

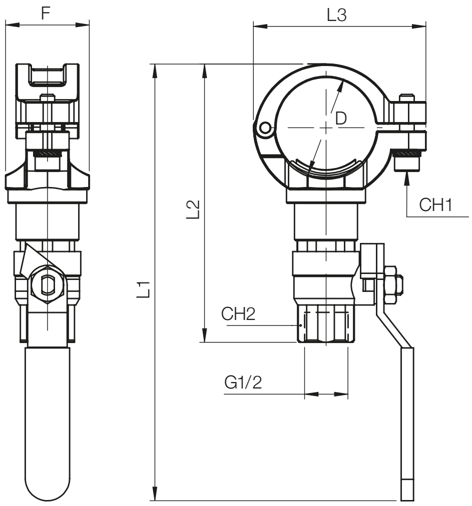
BOREVÆRKTØJ TIL ANBORING VED TRYK

90252

D	Pakke str.
25-32-40-50-63	1

ANBORING MED KUGLEHANE VED TRYK TIL ARTIKEL 90252





90253

D - G	F	L1	L2	L3	CH1	CH2	Pakke str.
25 - 1/2	25.5	161	97.5	55.5	5	25	1
32 - 1/2	34	168	104	61.5	5	25	1
40 - 1/2	34	176	112	70	5	25	1
50 - 1/2	42.5	188	125	84.5	5	25	1
63 - 1/2	42.5	200	137	97	5	25	1

ANVENDELSE AF BOREVÆRKTØJ

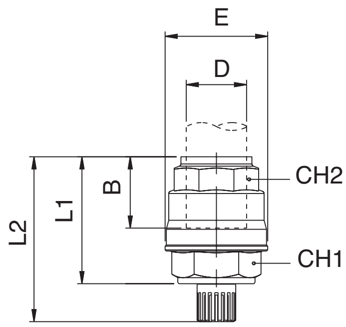
1 Monter art. 90253 på røret, spænd forsigtigt og åbn kuglehanen.

2 Monter art. 90252 på kuglehanen og spænd den forsigtigt.

3 Monter boremaskinen på art. 90252 og bor forsigtigt gennem røret.

4 Demontér boremaskinen, træk boret tilbage og luk for kuglehanen. Til sidst demonteres art. 90252.

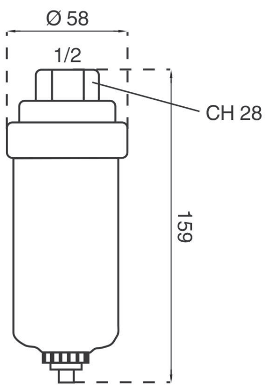
SLUTMUFFE MED INDBYGGET KONDENSAFTAP



90260

D	B	E	L1	L2	CH1	CH2	**Pakke** str.
20	36	34,5	52,5	67	32	30	2

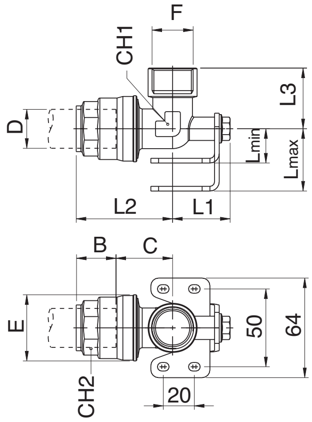
KONDENSDRÆN



90986

F	Funktion	**Pakke** str.
MOI - 1/2	Manuel/semiautomatisk	1
AO2 - 1/2	Automatisk	1

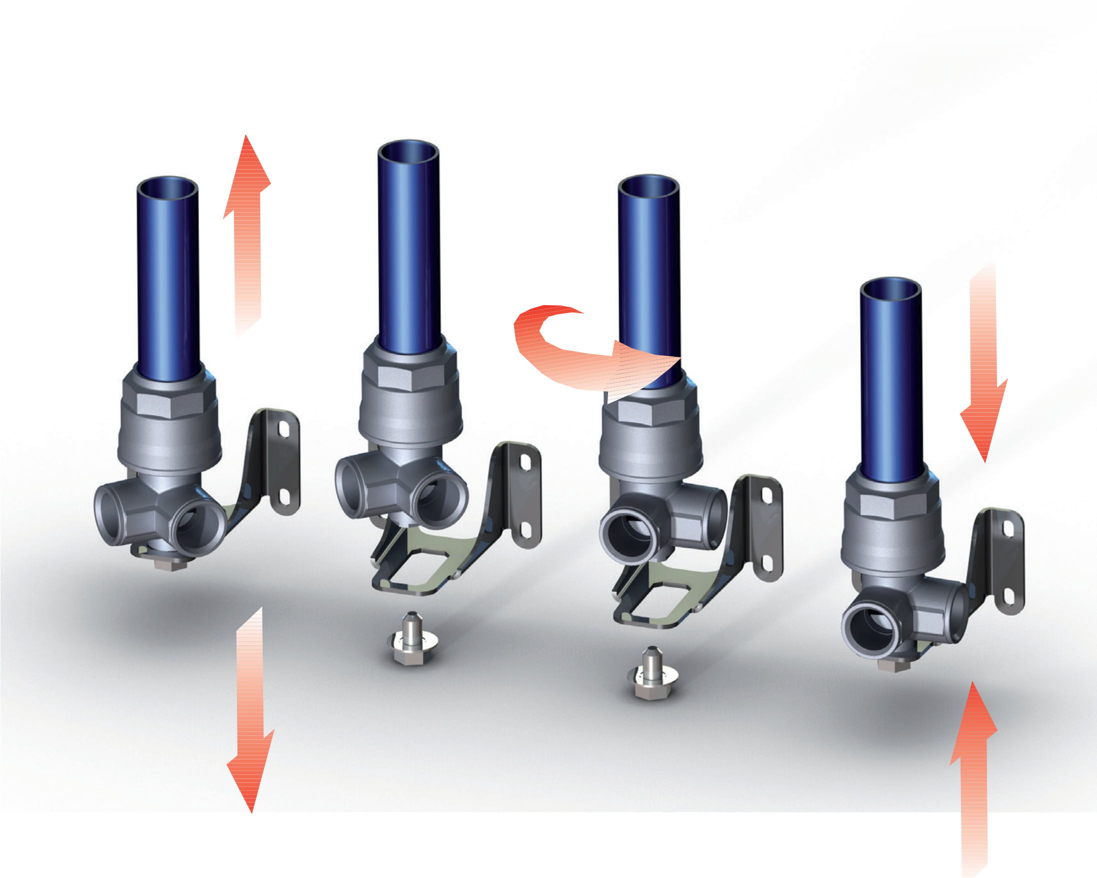
VÆGUDTAG ENKELT



90600

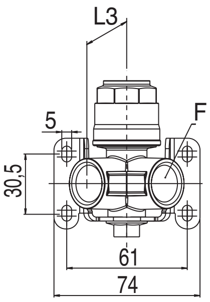
D1	F	B	C	E	L1	L2	L3	Lmax	Lmin	CH1	CH2	Pakke str.
20 -	**1/2**	31,5	19,5	34,5	35	51	35	40	22	21	30	4
25 -	**3/4**	38,5	23	42,5	37	62	39	40	22	26	35	3
32 -	**1"**	46	28	52	41	74,5	48,5	40	26	34	45	2

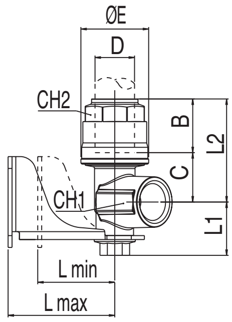
Justérbar



Saca forbeholder sig ret til at ændre modeller og dimensioner uden varsel.

VÆGUDTAG DOBBELT



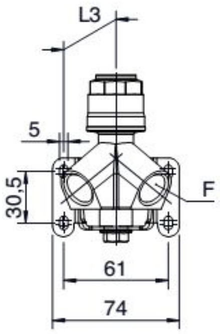


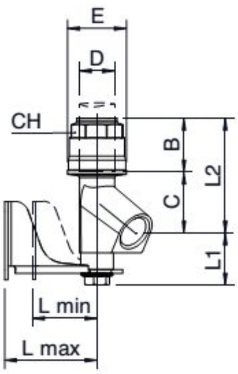
90602

D1	F	B	C	E	I	L1	L2	Lmin	Lmax	CH1	CH2	Pakke str.
20 -	**1/2**	31,5	20	34,5	28,5	27	51,5	22	54	26	30	2
25 -	**1/2**	38,5	21	42,5	28,5	27	59	22	54	26	35	2

Justérbar

VÆGUDTAG DOBBELT 45°



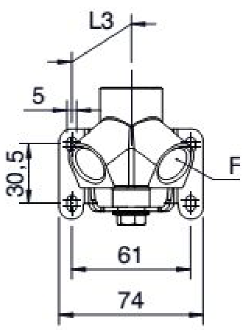


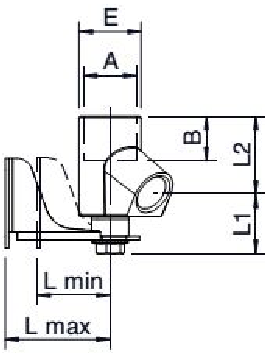
90660

D1	F	B	C	E	L1	L2	L3	Lmin	Lmax	CH1	Pakke str.
20 -	**1/2**	31,5	34,5	34,5	31	66	37,5	22	54	30	2
25 -	**1/2**	38,5	33	42,5	31	71,5	37,5	22	54	35	2

Justérbar

VÆGUDTAG DOBBELT 45°



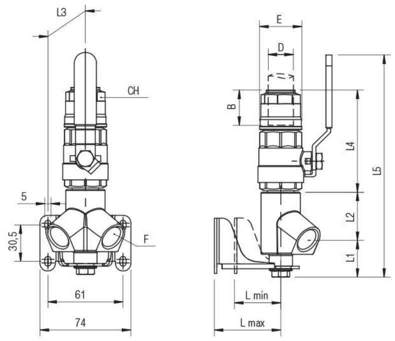


90662

E	A	B	E	L1	L2	L3	Lmin	Lmax	Pakke str.
1/2 -	**1/2**	13	32	31	40,5	37,5	22	54	2
1/2 -	**3/4**	16,5	32	31	39	37,5	22	54	2

Justérbar

VÆGUDTAG DOBBELT 45° M. KUGLEHANE

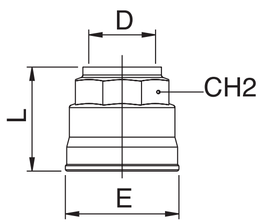


90664

D1	F	B	E	L1	L2	L3	L4	L5	Lmin	Lmax	CH	Pakke str.
20 -	**1/2**	31,5	34,5	31	40,5	37,5	84,5	184	22	54	30	2
25 -	**1/2**	38,5	42,5	31	39	37,5	101,5	209	22	54	35	2

Fuldt gennemløb
Justérbar

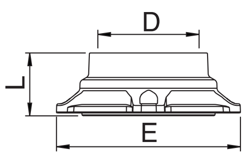
SLUTMUFFE



90610

D	L	E	CH2	Pakke str.
20	33	34,5	30	10
25	39	42,5	35	6
32	46,5	52	45	4
40	53	63	55	4
Aluminium				
50	73,5	84	72	1
63	64	94	75	1

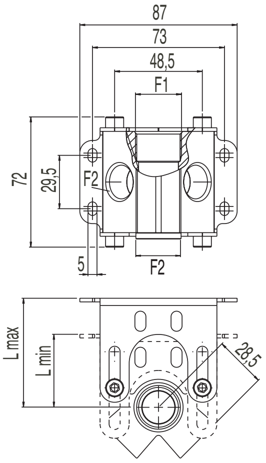
SLUTMUFFE



90610

D	L	E	Pakke str.
80	49,5	145	1
110	68	200	1
168	85	306	1

2 HULS MANIFOLD



90642

F1	F2	n°	Lmax	Lmin	Pakke str.
1/2 -	**1/2 -**	**2**	60	35	1
3/4 -	**1/2 -**	**2**	60	35	1

Justérbar

MANIFOLD EKSEMPEL

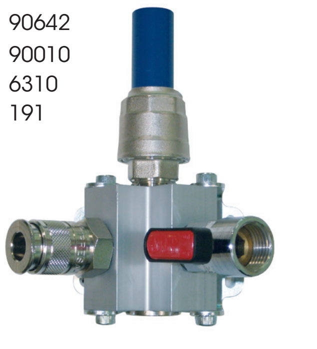
90642
90010
661

90642
90720
661

90642
90010
6310
661

90642
90720
6310
661

90642
90010
6310
191



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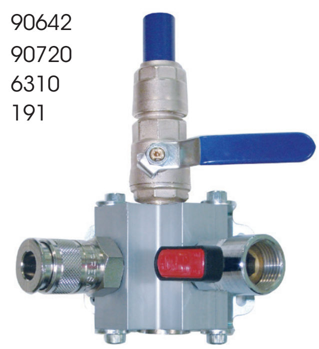

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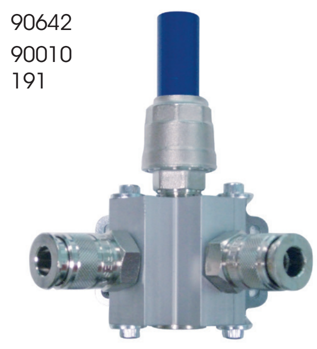
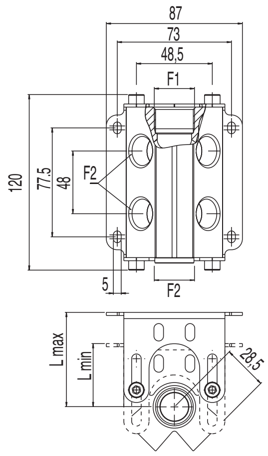


90642
90720
191

90642
90010
2060
T100
661

4 HULS MANIFOLD



90644

F1	F2	n°	Lmax	Lmin	Pakke str.
1/2 -	**1/2 -**	**4**	60	35	1
3/4 -	**1/2 -**	**4**	60	35	1

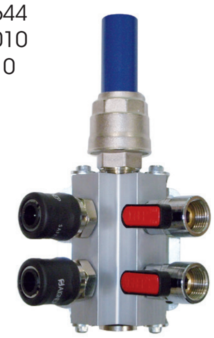
Justérbar

MANIFOLD EKSEMPEL

90644
90010
661

90644
90720
661

90644
90010
6310
661



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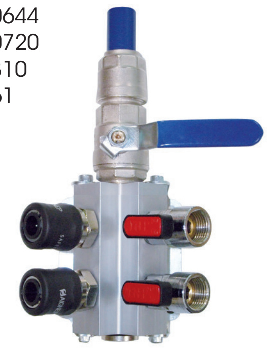

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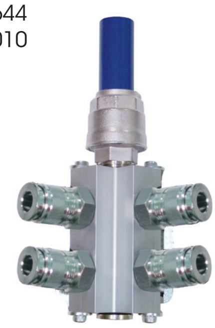
191



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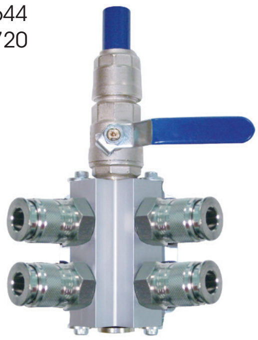

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6310
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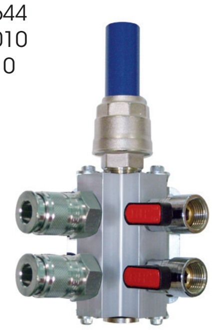

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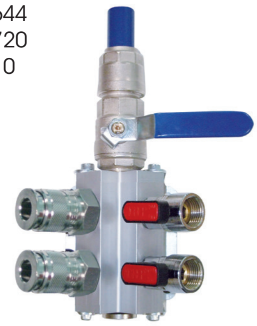
6310
191



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90010
2060
T100
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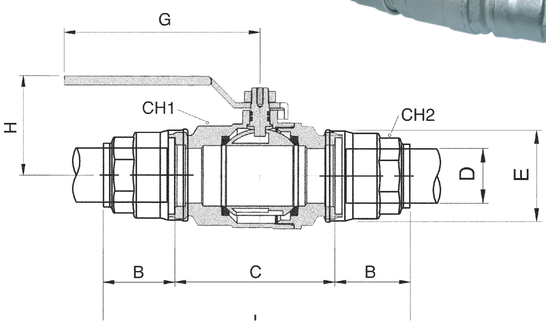
KUGLEHANE



90700

D	DN	B	C	E	L	CH1	CH2	G	H	Pakke str.
20	17	31,5	58,5	34,5	121,5	32	30	88	42	2
25	22	38,5	61,5	42,5	138,5	41	35	106	47,5	2
32	29	46	75	52	167	50	45	106	53	2
40	37	52,5	81	63	186	59	55	134	65	1
Aluminium										
50	46	65	115	84	245	69	74	134	72,5	1
63	59	57,5	126	94	232	89	75	240	111,5	1

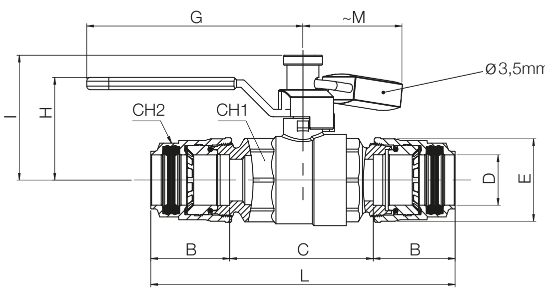
Fuldt gennemløb

KUGLEHANE MED LÅS

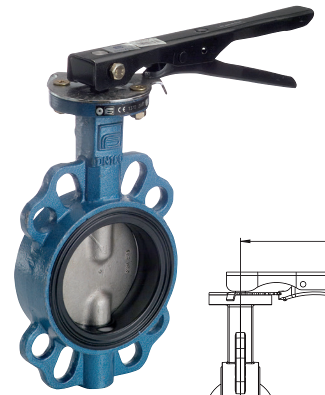
90705

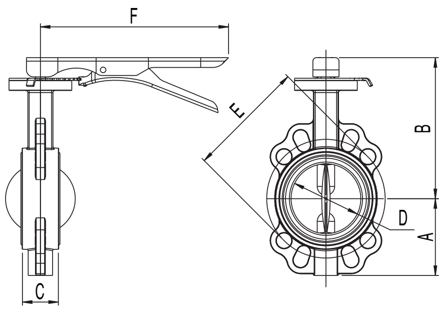
D	DN	B	C	E	L	CH1	CH2	G	H	I	M	Pakke str.
20	17	31,5	58,5	34,5	121,5	32	30	88	42	50,7	45	2
25	22	38,5	61,5	42,5	138,5	41	35	106	47,5	59,5	45	2
32	29	46	75	52	167	50	45	106	53	65	45	2
40	37	52,5	81	63	186	59	55	134	65	74,5	47	1
Aluminium												
50	46	65	115	84	245	69	74	134	72,5	82	47	1

Fuldt gennemløb



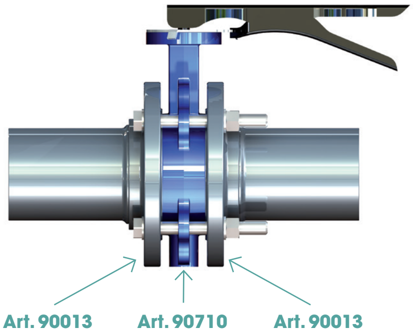
BUTTERFLYVENTIL



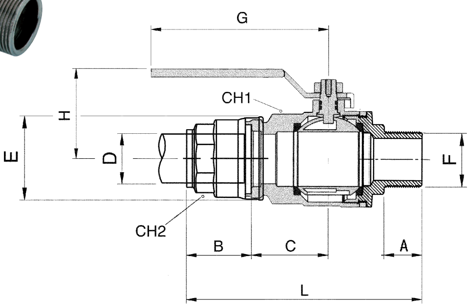


90710

D	DN	A	B	C	E	F	Pakke str.
80	77	87	216	46	160	265	1
110	100	106	201	52	180	265	1
168	150	126	202	56	240	265	1



KUGLEHANE UDVENDIGT GEVIND

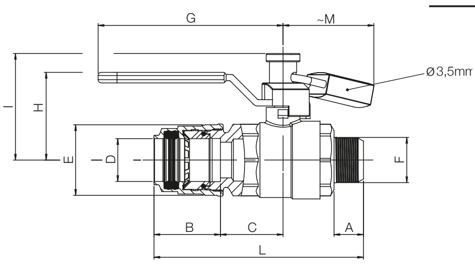


90720

D F	DN	A	B	C	E	L	CH1	CH2	G	H	Pakke str.
20 - 1/2	15	18	31,5	29,3	34,5	100,8	32	30	88	42	2
25 - 3/4	20	18	38,5	30,8	42,5	119,3	41	35	106	47,5	2

Fuldt gennemløb

KUGLEHANE MED UDVENDIGT GEVIND OG LÅS



90725

D F	DN	A	B	C	E	L	CH1	CH2	G	H	I	M	Pakke str.
20 - 1/2	15	18	31,5	29,3	34,5	100,8	32	30	88	42	50,7	45	2
25 - 3/4	20	18	38,5	30,8	42,5	119,3	41	35	106	47,5	59,5	45	2

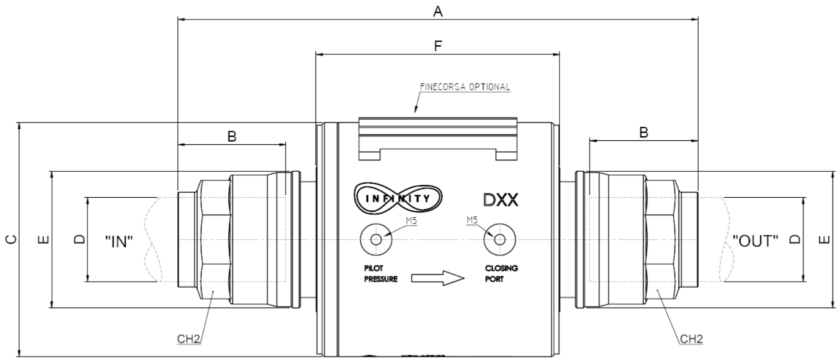
Fuldt gennemløb

PNEUMATISK VENTIL

90740

D	Kv	A	B	C	E	F	CH2	Pakke str.
32	78	198	46	89	52	92,6	45	1
40	101	208	52	89	63	92,6	55	1
50	168	249	63,5	109	73	110	65	1
63	300	269	57,5	139	94	140,3	75	1

BAR **Tryk: 15 bar** (1,5 MPa)



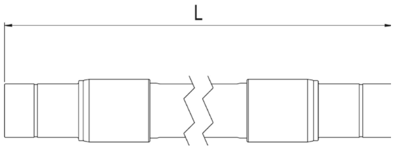
MICROVENTIL 3/2

Varenr.	Veje	Funktion	Dimension	Pakke str.
02V D0 3 NC B5	3/2	NC	M5	1

NØGLEAKTIVERING FOR VENTIL

Varenr.	Farve	Funktion	Position nøgle ud	Pakke str.
04V 03 0 00 02	Sort	0-1	Begge	1

TILSLUTNINGSSLANGE



90806

Ø	0,75	1	1,5	2	2,5	3	3,5	Pakke
				Længde i cm				str.
20	750	1000	-	2000	-	-	-	1
25	-	1000	-	2000	-	-	-	1
32	-	1000	-	2000	-	3000	-	1
40	-	1000	-	2000	-	3000	-	1
50	-	-	1500	-	2500	-	3500	1
63	-	-	1500	-	2500	-	3500	1

Maks. 15 bar

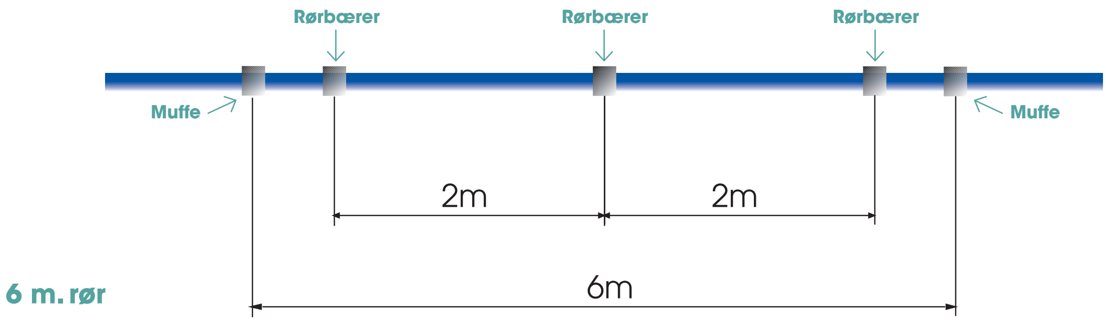
Temperatur -15° C til +200° C

SIKKERHEDS-WIRE TIL ARTIKEL 90806

90808

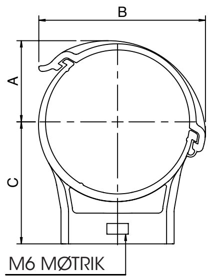
D	Pakke str.
	1

BÆRINGSPLACERINGER



Saca forbeholder sig ret til at ændre modeller og dimensioner uden varsel.

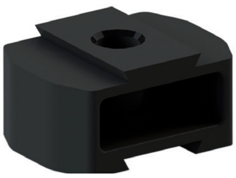
BÆRING FREMSTILLET AF TECHNOPOLYMER MED M6 MØTRIK

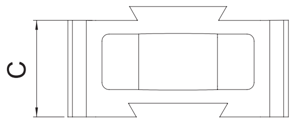


90815

D	A	B	C	Pakke str.
20	15	35,5	26	5
25	17	39,5	26	5
32	20	44,5	40	5
40	24,5	53,5	40	5
50	30	62	54	5
63	36	73,5	54	5

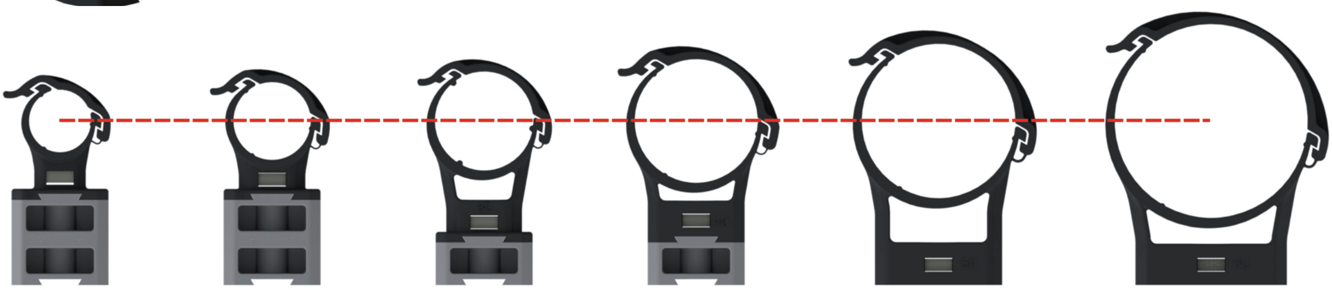
AFSTANDSKLODS TIL ART. 90815



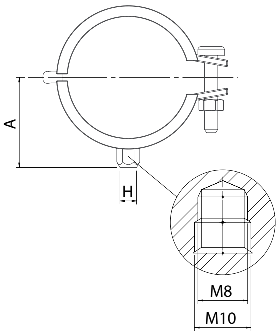


90817

C	Pakke str.
14	5



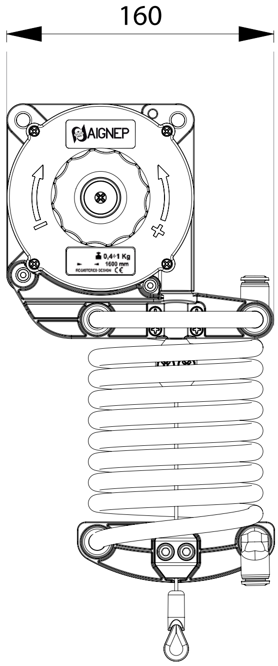
BÆRING MED GUMMIINDLÆG

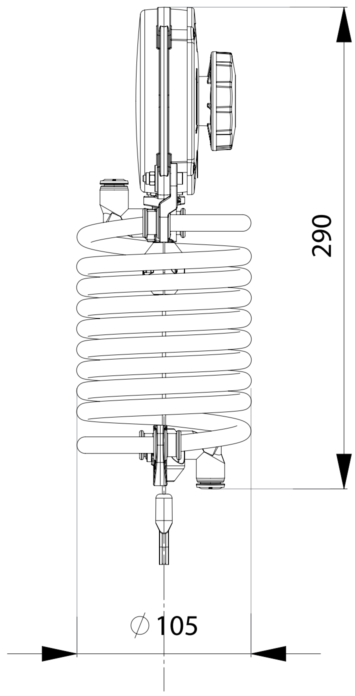


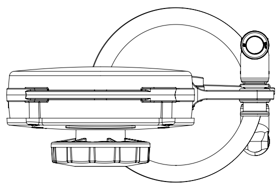
90820

D	H	A	Pakke str.
20	**M8 / M10**	28,5	1
25	**M8 / M10**	31	1
32	**M8 / M10**	34,5	1
40	**M8 / M10**	39,5	1
50	**M8 / M10**	44	1
63	**M8 / M10**	51	1
80	**M8 / M10**	71	1
110	**M8 / M10**	81,5	1
168	**M10 / M12**	114	1

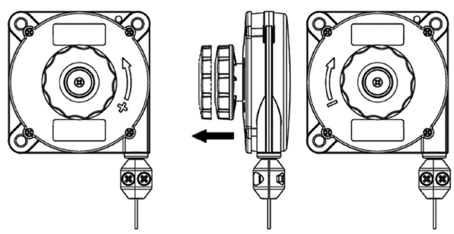
BALANCEVÆGT







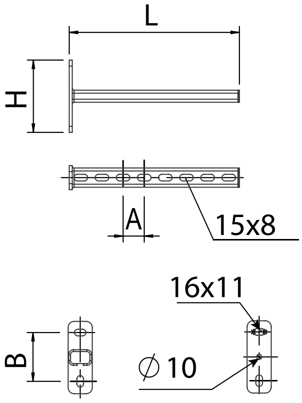
JUSTERBAR LAST/VÆGT



90826

Artikel	90826-1	90826-2	90826-3
Kapacitet kg	0,4-1	1-2	2-3
Rustfri wire	Ø 2 mm	Ø 2 mm	Ø 2 mm
Max. længde	1600 mm	1600 mm	1600 mm
Slange PA12	Ø INT. 8 mm (5/16") Ø EXT. 10 mm	Ø INT. 8 mm (5/16") Ø EXT. 10 mm	Ø INT. 8 mm (5/16") Ø EXT. 10 mm
Max. tryk	10 bar (1Mpa)	10 bar (1Mpa)	10 bar (1Mpa)
Temperatur	-20°/+80° C	-20°/+80° C	-20°/+80° C
Fitting	Push-in Fittings Ø 10	Push-in Fittings Ø 10	Push-in Fittings Ø 10
Tilslutningsslange	1 mt	1 mt	1 mt
Luft	Ja	Ja	Ja
Pakke	1	1	1

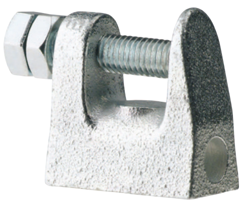
SKINNEKONSOL

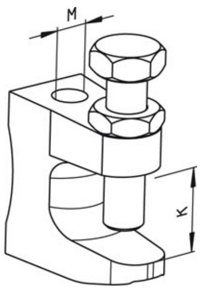


OPH127

L	A	B	H	Pakke str.
300	25	70	100	1
320	25	70	100	1
750	25	70	100	1
2000	25	70	100	1

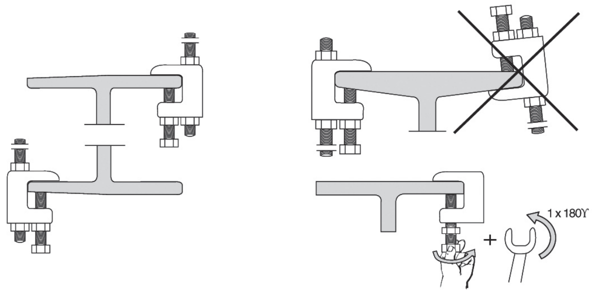
TCS CLAMS





OPH116

M	K	Pakke str.
M8 - M10	24	1
M10 - M10	24	1



RØRSKÆRER

90870

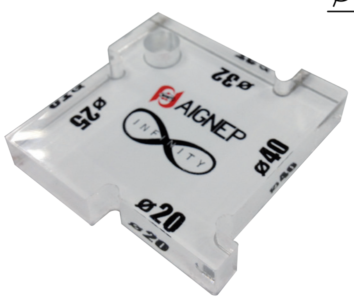
	Pakke str.
20 - 63	1
50 - 110	1
110 - 168	1

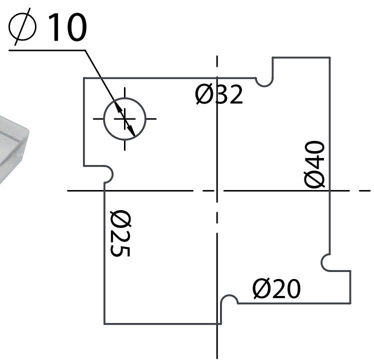
RØR- OG BLYANT REIFER

VÆRK

Varenr.		
VÆRK113835	Til boremaskine	10-54 mm
VÆRK113830		10-54 mm
VÆRK113910	Blyant reifer	40-80 mm

OPMÆRKNINGSVÆRKTØJ





90885

ø	Pakke str.
20 - 25 - 32 - 40	1

DEMOKASSE

VAL01

	Pakke str.
VAL01	1

VÆRKTØJSKASSE

VAL03

	Pakke str.
VAL03	1

LABEL

1200

	Pakke str.
VACCUM	1
NITROGEN	1
ARGON	1
ÅNDEDRÆTSLUFT	1
TRYKLUFT	1
CORGON 18	1
MISON 2	1

Andre tekster tilbydes

TESTRESULTATER

Produkt:

Rør i kalibreret aluminium.

Lynfittings af messing med klemme spændeskive af stål og technopolymer dele med pakning af NBR.

Test: Testtryk 1,5 gange større end det angivne maksimum.

Diameter fittings og rør	Luftmodstand på 22,5 bar (1,5 PN) per 15. minut	Luftmodstand på 0,5 bar per 15. minut
DN 20 DN 25 DN 32 DN 40 DN 50 DN 63 (alu) DN 80 (alu) DN 110 (alu) DN 168 (alu)	*Ingen synlig lækage	*Ingen synlig lækage

Test: Spræningstryk

Diameter fittings og rør	Hydraulisk tryk for brist
DN 20	115 bar, rør er deformeret
DN 25	75 bar, rør er deformeret
DN 32	78 bar, rør er deformeret
DN 40	75 bar, rør er deformeret
DN 50	58 bar, rør er deformeret
DN 63 (alu)	58 bar, rør er deformeret
DN 80 (alu)	64 bar, rør er deformeret
DN 110 (alu)	36 bar, rør er deformeret
DN 168 (alu)	42 bar, rør er deformeret

TESTRESULTATER

Test: Konstant trækspænding i overensstemmelse med Norm UNI-EN 1254-2:2000 paragraf 5.5.

Diameter fittings og rør	Styrken af tryk (N)	Unthreading af rør (mm)	Modstand ved 6 bar
DN 20	1500	0,9	
DN 25	1500	0,4	
DN 32	2000	0,4	
DN 40	2000	0	
DN 50	2000	0	*Ingen synlig lækage
DN 63 (alu)	2500	0	
DN 80 (alu)	2500	0,3	
DN 110 (alu)	2500	0,49	
DN 168 (alu)	2500	0,1	

Test: Modstand ved indre lufttryk og bøjningstryk i overensstemmelse med Norm UNI-EN 1254-2:2000 punkt 5.6.

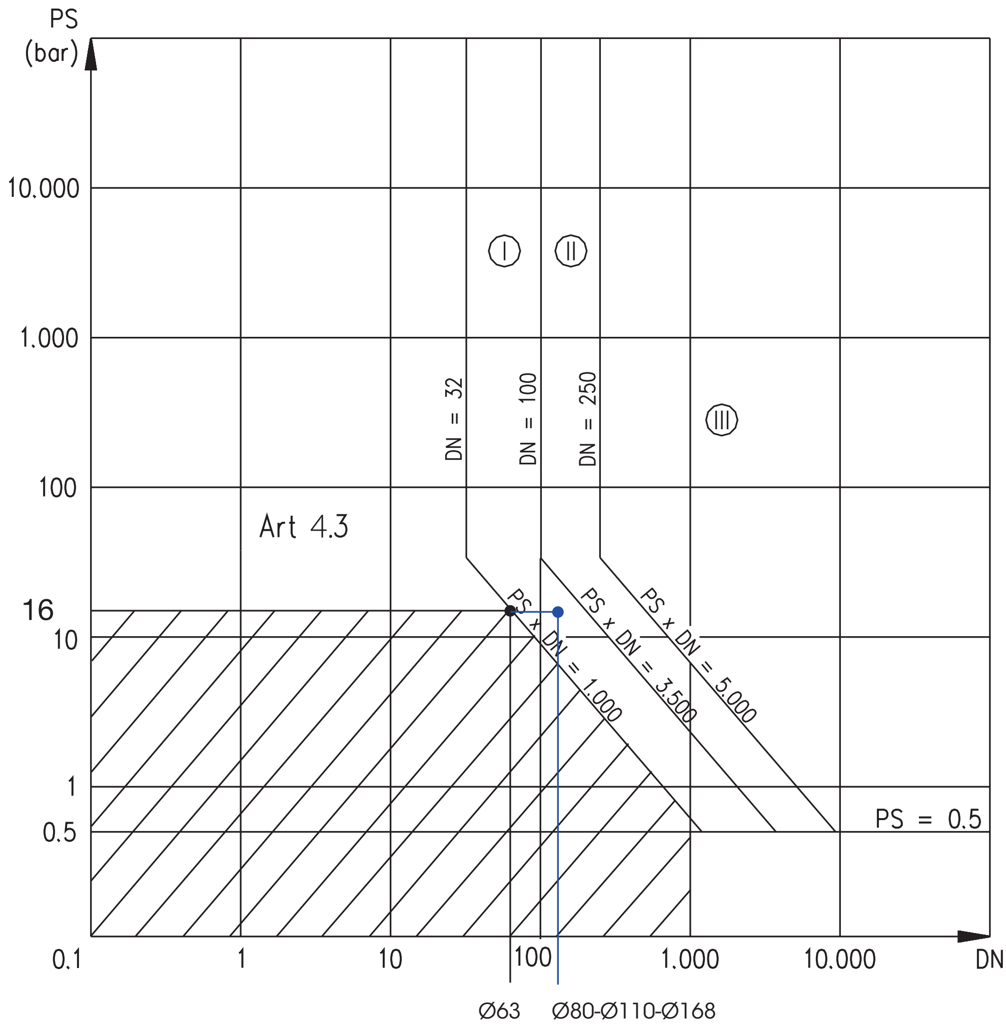
Diameter fittings og rør	Styrken af tryk (N)	Pneumatic tryk	Modstand og pneumatiske udholdenhed
DN 20	1800	10	
DN 25	1800	10	
DN 32	1800	10	
DN 40	2400	10	
DN 50	2700	10	*Ingen synlig lækage
DN 63 (alu)	3000	6	
DN 80 (alu)	3000	6	
DN 110 (alu)	3000	6	
DN 168 (alu)	3000	6	

Certifikatet er tilgængelig ved forespørgsel.

CONFORMITY DECLARATION FOR THE DISTRIBUTION OF COMPRESSED-AIR

We declare that the system used with pressure 0.99 ÷ 16 bar and temperature -20°C ÷ 80°C with directive **2014/68/UE (PED: Pressure Equipment Directive).**

Considering the internal diameter for DN63 and max pressure 16 bar, on can see on the graphic that the intersection point PS x DN=16x59= 944 is on the left side of zone PS x DN= 1.000: it meas is exempt from CEE marking according to the above mantioned directive (Art.4.3). Therefore all tubes and fitting (Ø20-Ø25-Ø32-Ø40-Ø50- Ø63) do not require any CEE marking.
Considering the internal diameter for DN80, DN110, DN168 and maximum pressure of 16 bar, the intersection point (PSxDN, 16x76=1216 -> DN 80, 16x105=1680 -> DN 110 e 16x160,3=2565 -> DN168) in the chart above, is in the area called "CATEGORIA I".
According to Directive 2014/68/UE this area has a conformity evaluation made at factory.



ISTITUTO GIORDANO
BEYOND CERTIFICATION

ESTRATTO DI PROVA DI PROVA N. 379810
ABRIDGED REPORT No. 379810

il presente documento si basa sul rapporto di prova n. 379541
emesso da Istituto Giordano in data 29 gennaio 2021

this document is based on test report No. 379541 dated 29 January 2021 issued by Istituto Giordano

Cliente */ Customer*

AIGNEP S.p.A.

Via Don Giuseppe Bazzoli, 3 - 25070 BIONE (BS) - Italia

Oggetto */ Item**

raccordi denominati
"Raccordi ad innesto rapido per tubazioni in alluminio Serie 90.000, DN50"
couplings named "Series 90.000, DN50 PN16 quick-action coupling for use with aluminium tubes"

Attività */ Activity*

verifica della tenuta sotto pressione pneumatica interna con e senza sollecitazione a flessione, della pressione idraulica di rottura e della resistenza al distacco secondo la norma UNI EN 1254-2:2000
verification of internal pneumatic pressure tightness with and without bending stress, hydraulic burst pressure and resistance to detachment in accordance with standard UNI EN 1254-2:2000

Risultati */ Results*

Prova */ Test*		**Esito** */ Result*
Verifica della tenuta nei confronti della depressione (0,99 bar)/pressione (24 bar e 0,5 bar) pneumatiche interne *Leaktightness under internal pneumatic positive (24 bar and 0,5 bar)/negative (0,99 bar) pressure*	raccordo diritto *strait coupling*	positivo *pass*
	raccordo a T intermedio *"T" shaped coupling*	
	raccordo a L intermedio *"L" shaped coupling*	
Pressione idraulica di rottura *Bursting strength*	raccordo a L intermedio *"L" shaped coupling*	alla pressione di 48 bar si è manifestata una perdita in corrispondenza della giunzione filettata del collare di presa del raccordo ad L *leakage from the threaded joint of the L fitting collar at the pressure of 48 bar*
	raccordo a T intermedio *"T" shaped coupling*	nessuna perdita o rottura fino alla pressione di 48 bar *no leakage or rupture up to a pressure of 48 bar*
	raccordo diritto *strait coupling*	
Resistenza al distacco e verifica tenuta pneumatica a 6 bar *Resistance to pull-out and leaktightness under 6 bar internal pneumatic pressure*	raccordo diritto *strait coupling*	positivo *pass*
Tenuta sotto pressione idrostatica interna e con contemporanea applicazione di sollecitazione a flessione *Leaktightness under internal hydrostatic pressure whilst subjected to bending*	raccordo diritto intermedio *intermediate strait coupling*	positivo *pass*
	raccordo diritto *strait coupling*	

(*) secondo le dichiarazioni del cliente.
according to that stated by the customer.

Bellaria-Igea Marina - Italia, 15 febbraio 2021
Bellaria-Igea Marina - Italy, 15 February 2021

L'Amministratore Delegato
Chief Executive Officer
(Dott. Arch. Sara Lorenza Giordano)

Firmato digitalmente da SARA LORENZA GIORDANO

Commessa:
Order:
86537

Provenienza dell'oggetto:
Item origin:
campionato e fornito dal cliente
sampled and supplied by the customer

Identificazione dell'oggetto in accettazione:
Identification of item received:
2020/2771 del 10 dicembre 2020
2020/2771 dated 10 December 2020
2020/2772 del 10 dicembre 2020
2020/2772 dated 10 December 2020

Data dell'attività:
Activity date:
dal 14 dicembre 2020 al 18 dicembre 2020
from 14 December 2020 to 18 December 2020

Luogo dell'attività:
Activity site:
Istituto Giordano S.p.A. - Blocco 2 - Via Gioacchino Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia

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I risultati si riferiscono solo all'oggetto in esame, così come ricevuto, e sono validi solo nelle condizioni in cui l'attività è stata effettuata.
Per quanto riguarda la descrizione dell'oggetto, i riferimenti normativi, le modalità, le apparecchiature, i risultati e quant'altro necessario all'identificazione dell'attività svolta si rimanda al rapporto di prova n. 379541 emesso da Istituto Giordano in data 29 gennaio 2021.
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The results relate only to the item examined, as received, and are valid only in the conditions in which the activity was carried out.
As regards the description of the item, apparatus, method, esults and everything else necessary for the identification of the work carried out, please see test report No. 379541 issued by Istituto Giordano on 29 January 2021.
The original of this document consists of an electronic document digitally signed pursuant to the applicable Italian Legislation.

Responsabile Tecnico di Prova: */ Chief Test Technician:*
Dott. Ing. Luca Bonini
Responsabile del Laboratorio di Termotecnica: */ Head of Thermotechnics Laboratory:*
Dott. Ing. Eugenio Berlini

Compilatore: */ Compiler:* Francesca Manduchi
Revisore: */ Reviewer:* Dott. Ing. Luca Bonini

Pagina 1 di 1 */ Page 1 of 1*

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Cap. Soc. € 1.500.000 i.v. - R.E.A. c/o C.C.I.A.A. (RN): 156766 - Registro Imprese Romagna (Forlì-Cesena e Rimini) e CF/P. IVA: n. 00 549 540 409

ISTITUTO GIORDANO

ISTITUTO GIORDANO s.p.a.

SPECIALISTI IN RICERCA E CERTIFICAZIONE DAL 1959

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Registro Imprese Rimini n. 00549540409
Cap. Soc. € 516.000,00 i.v.

ABRIDGED TEST REPORT No. 189470

(Refers to test report No. 189076 issued by this Institute on 26/10/2004)

Place and date of issue: Bellaria, 08/11/2004

Customer: AIGNEP S.p.A. - Via Industriale n. 1 - 25070 BIONE (BS)

Date test requested: 13/09/2004

Order number and date: 26665, 14/09/2004

Date specimen received: 13/09/2004

Date test effected: from 11/10/2004 to 15/10/2004

Purpose of test: Testing copper-alloy quick-action couplings for use with aluminium tubes

Test site: Istituto Giordano S.p.A. - Blocco 1 - Via Rossini, 2 - 47814 Bellaria (RN)

Specimen origin: supplied by Customer

Identification of specimen received: No. 2004/1522

Description of specimen

The test specimens are known as "Raccordi ad innesto rapido per tubazioni in alluminio Serie 90.000".

Result of test

The tests listed below, agreed with the Customer and, in the absence of specific standards, conducted in accordance with standard UNI EN 1254-2: 2000, gave the following results:

– Leaktightness under internal pneumatic pressure: No visible signs of leakage;
– bursting strength test: DN 20: 115 bar, DN 25: 75 bar, DN 32: 78 bar, DN 40: 75 bar, DN 50: 58 bar and DN 63: 62 bar;
– resistance to pull-out: maximum axial movement 0,9 mm and no visible leakage in the subsequent pneumatic pressure test;
– leaktightness under internal pneumatic pressure whilst subjected to bending: no visible signs of leakage or damage.

As regards the description of the specimen, normative references, test methods, test equipment, test results and everything else necessary for the identification of the work carried out, please see Test Report No. 189076 issued by this Institute on 26/10/2004.

ISTITUTO GIORDANO LABORATORIO DI FISICA TECNICA

Test Technician	Manager, Applied Physics Laboratory	Chairman or Managing Director
(Per. Ind. Walter Fratti)	(Dott. Ing. Vincenzo Iommi)	***Dott. Ing. Vincenzo Iommi***
Fratti Walter		

Comp. AV Revis.	This abridged report consists of 1 sheet This document is the English translation of the abridged test report No. 189470 of 08/11/2004 issued in Italian. Date of translation: 29/11/2004.	Sheet 1 of 1

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R.E.A. c/o C.C.I.A.A. (RN) 156766
Registro Imprese di Rimini n. 00 549 540 409

ABRIDGED TEST REPORT No. 312983

(Refers to test report No. 312056 issued by Istituto Giordano S.p.A. on 19/12/2013)

Place and date of issue: Bellaria-Igea Marina - Italy, 30/01/2014
Customer: AIGNEP S.p.A. - Via Don Giuseppe Bazzoli, 34 - 25070 BIONE (BS) - Italy
Date test requested: 27/09/2013
Order number and date: 60895, 30/09/2013
Date sample received: 04/11/2013
Test date: from 02/12/2013 to 09/12/2013
Purpose of test: testing aluminium-alloy quick-action couplings for use with aluminium tubes
Test site: Istituto Giordano S.p.A. - Blocco 1 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italy
Sample origin: sampled and supplied by the Customer
Identification of sample received: No. 2013/2179

Sample name and description*

The test samples are called “Raccordi ad innesto rapido in alluminio Serie 90.000, DN63” *(“Series 90.000 quick-action couplings in aluminium, DN63”).*
They essentially consist of:
- aluminium-alloy body with painted exterior;
- steel collet;
- plastic ring (engineering resin);
- NBR 70 elastomeric O-ring.

According to Customer declaration, the maximum operating pressure is 16 bar.

Test result

The following tests were carried out on the Customer-supplied sample with results as given hereafter:
– leaktightness under internal pneumatic positive (24 and 0,5 bar)/negative (-0,9 bar) pressure
  Test result: pass;
– bursting strength test
  Test result: fitting pulled out at a pressure of 58 bar;
– resistance to pull-out
  Test result: pass;
– leaktightness under internal hydrostatic pressure whilst subjected to bending
  Test result: Pass.

As regards sample and test photos, normative references, test methods, test equipment, detailed test results and everything else necessary for the identification of the work carried out, please see test report No. 312056 issued by this Institute on 19/12/2013.

(*) according to that stated by the Customer.

Test Technician	Head of Applied Physics Laboratory	Managing Director
(Dott. Ing Antonietta Serra)	(Dott. Ing. Vincenzo Iommi)	(Dott. Ing. Vincenzo Iommi)
Antonietta Serra		Firmato digitalmente da Vincenzo Iommi

Comp. AV Revis. AS	This abridged report consists of 1 sheet. This document is the English translation of the test report No. 312983 dated 30/01/2014 issued in Italian. Date of translation: 04/02/2014.	Sheet 1 of 1

ISTITUTO GIORDANO

ESTRATTO DI PROVA DI PROVA N. 372988

ABRIDGED REPORT No. 372988

il presente documento si basa sul rapporto di prova n. 372691
emesso da Istituto Giordano in data 29 giugno 2020

this document is based on test report No. 372691 dated 29 June 2020 issued by Istituto Giordano

Cliente */ Customer*

AIGNEP S.p.A.
Via Don Giuseppe Bazzoli, 3 - 25070 BIONE (BS) - Italia

Oggetto */ Item**

raccordi denominati
"Raccordi ad innesto rapido per tubazioni in alluminio Serie 90.000, DN168"
couplings named "Series 90.000, DN168 PN16 quick-action coupling for use with aluminium tubes

Attività */ Activity*

verifica della tenuta sotto pressione pneumatica interna con e senza sollecitazione a flessione, della pressione idraulica di rottura e della resistenza al distacco
verification of internal pneumatic pressure tightness with and without bending stress, hydraulic burst pressure and resistance to detachment

Risultati */ Results*

Prova / *Test*		**Esito** / *Result*
Verifica della tenuta nei confronti della depressione (0,99 bar)/pressione (24 bar e 0,5 bar) pneumatiche interne *Leaktightness under internal pneumatic positive (24 bar and 0,5 bar)/negative (0,99 bar) pressure*	raccordo diritto *strait coupling*	positivo *pass*
	raccordo a T intermedio *"T" shaped coupling*	
	raccordo a L intermedio *"L" shaped coupling*	
Pressione idraulica di rottura *Bursting strength*	raccordo diritto *strait coupling*	alla pressione di 42 bar si è manifestata una perdita in corrispondenza della guarnizione fra il raccordo e il collare di presa sul tubo *leakage from the gasket of the coupling at the pressure of 42 bar*
	raccordo a T intermedio *"T" shaped coupling*	nessuna perdita o rottura fino alla pressione di 42 bar *no leakage or rupture up to a pressure of 42 bar*
	raccordo a L intermedio *"L" shaped coupling*	
Resistenza al distacco e verifica tenuta pneumatica a 6 bar *Resistance to pull-out and leaktightness under 6 bar internal pneumatic pressure*	raccordo diritto *strait coupling*	positivo *pass*
Tenuta sotto pressione idrostatica interna e con contemporanea applicazione di sollecitazione a flessione *Leaktightness under internal hydrostatic pressure whilst subjected to bending*	raccordo diritto intermedio *intermediate strait coupling*	positivo *pass*
	raccordo diritto *strait coupling*	

(*) secondo le dichiarazioni del cliente.
according to that stated by the customer.

Bellaria-Igea Marina - Italia, 10 luglio 2020
Bellaria-Igea Marina - Italy, 10 July 2020

L'Amministratore Delegato
Chief Executive Officer
(Dott. Arch. Sara Lorenza Giordano)

Firmato digitalmente da SARA LORENZA GIORDANO

Commessa:
Order:
84591

Provenienza dell'oggetto:
Item origin:
campionato e fornito dal cliente
sampled and supplied by the customer

Identificazione dell'oggetto in accettazione:
Identification of item received:
2020/1050 del 26 maggio 2020
2020/1050 dated 26 May 2020

Data dell'attività:
Activity date:
dal 3 giugno 2020 al 9 giugno 2020
from 3 June 2020 to 9 June 2020

Luogo dell'attività:
Activity site:
Istituto Giordano S.p.A. - Blocco 2 - Via Gioacchino Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia

Responsabile Tecnico di Prova: */ Chief Test Technician:*
Dott. Ing. Luca Bonini
Responsabile del Laboratorio di Termotecnica: */ Head of Thermotechnics Laboratory:*
Dott. Ing. Eugenio Berlini

Compilatore: */ Compiler:* Francesca Manduchi
Revisore: */ Reviewer:* Dott. Ing. Luca Bonini

Pagina 1 di 1 */ Page 1 of 1*

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Registro Imprese della Romagna - Forlì-Cesena e Rimini n. 00 549 540 409

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ABRIDGED TEST REPORT No. 317262

(Refers to test report No. 316851 issued by Istituto Giordano on 25/06/2014)

Place and date of issue: Bellaria-Igea Marina - Italy, 11/07/2014
Customer: AIGNEP S.p.A. - Via Don Giuseppe Bazzoli, 34 - 25070 BIONE (BS) - Italy
Date test requested: 20/03/2014
Order number and date: 62619, 24/03/2014
Date sample received: 23/04/2014
Test date: from 05/06/2014 to 24/06/2014
Purpose of test: testing aluminium-alloy quick-action couplings for use with aluminium tubes
Test site: Istituto Giordano S.p.A. - Blocco 1 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italy
Sample origin: sampled and supplied by the Customer
Identification of sample received: No. 2014/0843

Sample name and description*

The test samples are called “Series 90.000, DN80 quick-action couplings for use with aluminium tubes”.
They essentially consist of:

- surface-treated aluminium nut;
- NBR O-ring;
- surface-treated aluminium body;
- safety ring made from engineering resin;
- AISI 301 stainless-steel collet;
- tube guide ring made from engineering resin;
- galvanised-steel self-locking nut;
- galvanised-steel hexagon socket head cap screw.

Customer’s declared maximum operating pressure is 16 bar.

Test result

The following tests were carried out on the Customer-supplied sample with results as given hereafter:

- leaktightness under internal pneumatic positive (24 and 0,5 bar)/negative (0,9 bar) pressure
  TEST RESULT: PASS;
- bursting strength test
  TEST RESULT: slight leakage from plug of one of the fittings at a pressure of 64 bar (PASS);
- resistance to pull-out
  TEST RESULT: PASS;
- leaktightness under internal hydrostatic pressure whilst subjected to bending
  TEST RESULT: PASS.

As regards sample and test photos, normative references, test methods, test equipment, detailed test results and everything else necessary for the identification of the work carried out, please see Test Report No. 316851 issued by Istituto Giordano on 25/06/2014.

(*) according to that stated by the Customer.

Test Technician:
Dott. Ing. Antonietta Serra

Head of Applied Physics Laboratory:
Dott. Ing. Vincenzo Iommi

Chief Executive Officer
(Dott. Arch. Sara Lorenza Giordano)

Firmato digitalmente da SARA LORENZA GIORDANO

The original of this document consists of an electronic document with a digital signature affixed pursuant to DPR (Presidential Decree) 513/97.

Comp. AV Revis. AS	This abridged report consists of 1 sheets. This document is the English translation of the abridged report No. 317262 dated 11/07/2014 issued in Italian; in case of dispute the only valid version is the Italian one. Date of translation: 06/06/2017.	Sheet 1 of 1

BEKRÆFTELSE FOR POLYESTER PULVERMALING FORETAGET PÅ ALUMINIUMSRØR AF MÆRKET INFINITY

Forbehandling

Forbehandling: Det garanterer forankringen af malingen på røret og forhindrer korrosion og oxidering af de ikke-lakerede dele ifølge **UNI 9921 - DIN 50939 - ASTM D 1730 - MIL C 5541.**

Maling

Pulvermaling af ikke giftige stoffer. Certificeret QUALICOT og GSB ifølge **UNI 9983 - BS 6496 - AAMA 603-605**.
Den ovenfornævnte behandling modvirker korrision på udvendige dele.
Indvendige dele er behandlet med krom.

BRANDKLASSIFIKATION

ISTITUTO GIORDANO

Emne

Brandklassifikationen er udført og testet i henhold til **UNI EN 13501-1:2005.**

Beskrivelse af produktet

Pulvet lakeret aluminiumsrør 90000-serien. Klassifikation blev bestemt ved analyse af malingens brutto forbrændingsvarme, kombineret med test resultater som er angivet i **UNI EN 13823.**

Testresultat

Produktet er testet og opfylder reglerne for **brandklassifikation A2 - d1 - d0.**

- din leverandør af trykluftsrør

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Rev. nr. 3.3 - OKT. 2022