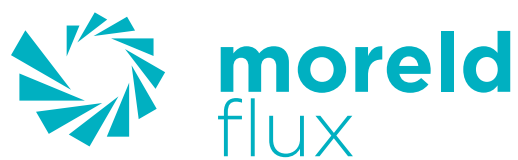


Group 15

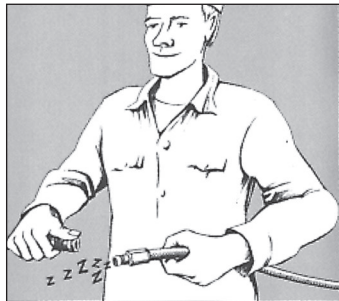
Quick Release Couplings

Low pressure



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3	Tema Quick Release Coupling Safety Nipple for Compressed Air
4	Technical Information about Tema Quick Release Coupling Compressed Air Series
5	Tema Quick Release Coupling Series 1100 and 1100N for Air
6	Tema Quick Release Coupling Series 1300 for Air
7	Tema Quick Release Coupling Series 1300N for Air
8	Tema Quick Release Coupling Series 1400 for Air
9	Tema Quick Release Coupling Series 1600 for Air
10	Tema Quick Release Coupling Series 1800 for Air
11	Tema Quick Release Coupling Series 1800 for Air
12	Tema Quick Release Coupling Series 1800H and 1800D for Air
13	Tema Quick Release Coupling Series 1800N for Air
14	Hansen Series 3000 and 5000 Quick Release Couplings
15-17	Cam and Groove Adaptors Brass, Aluminium, Stainless Steel and Polypropylene Quick Release Couplings
18	Laux Quick Release Coupling Series Model C (German Series) and 42 (Swedish Series)
19	Nor Quick Release Couplings
20	Storz Quick Release Couplings
21	TW (Tanker) Quick Release Couplings
22	Claw Couplings European Standard Galvanized
23	Claw Couplings American ("Chicago") Standard Galvanized, Brass and Stainless Steel
24	"Boss Ground Joint Seal" Steam Couplings
25	Gas Hose / Tanker Hose Couplings
26-30	Dry Break Couplings (Todo).

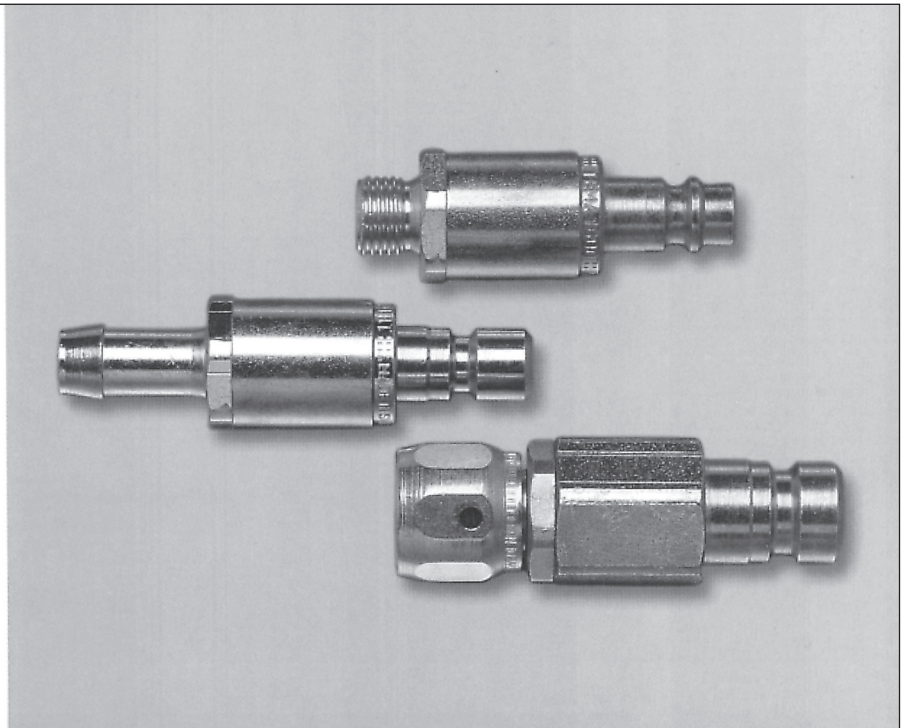
TEMA SAFETY NIPPLE FOR COMPRESSED AIR



TEMA Safety nipple



Standard nipple



TEMA Safety Nipple is designed to take away disconnection recoils in compressed air systems. A dangerous and often criticized factor in the workplace disappears. The nipple also makes disconnecting quieter. TEMA Safety Nipple is available for series 1300, 1400, 1600, 1700 and 1800.

Product Features

- Reduces the risk of injury
- Does not reduce the airflow
- Can be connected to other brands.
For example Bosch 823, Cejn 310, Cejn 320, Luna 25, Obac 25, Rectus 25 and others
- Reduces recoil and noise to a minimum
- Meets ISO 4414-9.4 requirements.
- Service free construction
- Low cost security increase

TECHNICAL INFORMATION QUICK RELEASE COUPLINGS FOR COMPRESSED AIR

SERIES 1100

Throughput:
11 liters/sec.¹⁾
Connection power:
5.6 kg²⁾
Minimum
Throughput Diameter:
5.5 mm
Connections:
ISO-G 1/8
ISO-G 1/4 male
Length:
55 mm

Ø: 18 mm
Max Working Pressure:
30 Bar
Other Applications:
Water, gas

SERIES 1400

Throughput:
15 liters/sec
Connection power:
6.5 kg²⁾
Minimum
Throughput Diameter:
6.0 mm
Connections:
ISO-G 1/4, 3/8" female
ISO-R 1/4, 3/8³⁾
Hose Connection:
1/4"-1/2"
Length: 37 mm

Ø: 22 mm

Can be connected to: Hansen
3000, Cejn 310, Atlas, Qic8 and
others.

SERIES 1300/1300 E

Throughput:
28 liters/sec¹⁾
Connection power:
Series 1300: 9.5 kg²⁾
Series 1300 E 7.3 kg²⁾
Minimum
Throughput Diameter:
Series 1300: 6.8 mm
Series 1300 E: 7.4 mm
Connections:
ISO-G 1/4, 3/8 female,
ISO-R 1/4 3/8³⁾
ISO-G 3/8 male
Hose Connection:
1300 E: 1/4" - 1/2"
Length:
Series 1300: 49 mm
Series 1300E: 55 mm
Ø: 22 mm⁴⁾
Max Working Pressure:
30 Bar
Other Applications:
Water, gas

SERIES 1600

Throughput:
37 liters/sec¹⁾
Connection power:
7.6 kg²⁾
Minimum
Throughput Diameter:
7.5 mm
Connections:
ISO-G1/4, 3/8, 1/2 female
ISO-R 1/4, 3/8 1/2³⁾
Hose Connection:
1/4" - 1/2"
Length: 57 mm
Ø: 23 mm
Max Working Pressure: 30 Bar
Can be connected to: JWL-5200,
Cejn 320, Luna 25, Obac 25, Rectus
25 and others.

SERIES 1800/1800 E

Throughput:
65 liters/sec¹⁾
Connection power:
Series 1800: 12.7 kg²⁾
Series 1800 E: 10.8 kg²⁾
Minimum
Throughput Diameter:
Series 1800: 10.4
Series 1800 E: 10.2 mm
Connections:
ISO-C 3/8, 1/2, 3/4 female
ISO-G 1/2 male
ISO-R 1/2³⁾
Length:
Series 1800: 54 mm
Series 1800E: 60 mm
Ø: 27 mm⁴⁾
Max Working Pressure:
30 bar
Other Applications:
Water, gas

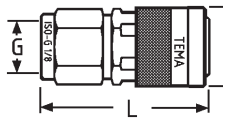
Series 1100 - 1300 - 1600 -
1800 - have a valve in the coupling
part.

Series 1100N - 1300N - 1800N - have
a valve in both the coupling and
nipple

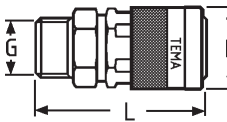
Note! These series are not
interchangeable!

¹⁾ Measured at 6 bar air pressure
and 0.5 bar pressure loss
²⁾ Measured at 6 bar air pressure
³⁾ ISO-R = conical outside
⁴⁾ #4 is missing

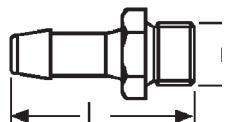
TEMA AIR COUPLING Series 1100



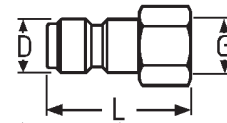
Coupling Female Thread



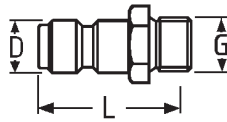
Coupling Male Thread



Hose Nipple



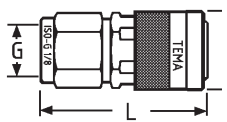
Plug-in Nipple
Female Thread



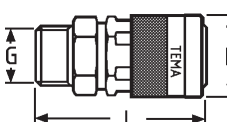
Plug-in Nipple
Male Thread



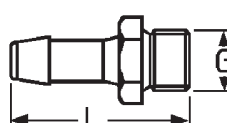
Plug-in Nipple
w/ Hose Connection



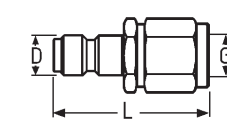
Coupling Female Thread



Coupling Male Thread



Hose Nipple



Plug-in Nipple
Female Thread

Type	Part No.	Dimension ISO-BSP		Min. Through-put mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.
		Male	Female							mm	inches	
Coupling	1100		1/8	5.5	nitrile	18	37	15	30			40
	1100 A	1/4		5.5	nitrile	18	38	15	30			35
	1100 V		1/8	5.5	viton	18	37	15	30			40
	1100 AV	1/4		5.5	viton	18	38	15	30			35
Nipple I	1105	1/8				27	12	12	30	5	3/16"	7
	1106	1/8				27	12	12	30	6	1/4"	8
Plug-in Nipple Male Thread II												
11110	1/8					9.5	27	12	30			9
Plug-in Nipple Female Thread III												
11410	1/8					9.5	27	12	30			10
Plug-in Nipple w/ Hose Conn. IV	11005		1/8			9.5	33		30	5	3/16"	6
	11006					9.5	33		30	5	3/16"	7
Plastic Protection Body Nipple	2316				PVC							3
	2326				PVC							3
O-ring	11310 N				nitrile							
	11310 V				viton							
Fiber Gasket	11320											

1) All coupling bodies in the 1100 series are available without valve. Add "UV" after Part No. Series 1100 is not interchangeable with series 1100N.

TEMA AIR COUPLING Series 1100 N



Note! Valve in coupling and nipple

Type	Part No.	Dimension ISO-BSP		Min. Through-put mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.
		Male	Female							mm	inches	
Coupling	1100 N		1/8	4,8	nitrile	18	37	15	50			40
	1100 NA	1/4		4,8	nitrile	18	38	15	50			35
	1100 NV		1/8	4,8	viton	18	37	15	50			40
	1100 NAV	1/4		4,8	viton	18	38	15	50			35
Nipple I	1105	1/8				27	12	12	30	5	3/16"	7
	1106	1/8				27	12	12	30	6	1/4"	8
Plug-in Nipple Female Thread II	11410 MN		1/8		nitrile	9,5	36	15	20			20
	11410 MV		1/8		viton	9,5	36	15	20			20
Plastic Protection Body Nipple	2316				PVC							3
	2326				PVC							3
O-ring	11310 N				nitrile							
	11310 V				viton							
Fiber Gasket	11320											

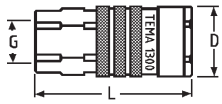


Fiber Gasket

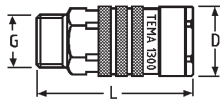
Series 1100N is not interchangeable with series 1100.

QUICK RELEASE COUPLINGS TEMA 1300 SERIES

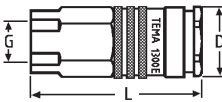
TEMA AIR COUPLING Series 1300



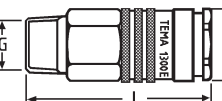
Coupling Female Thread



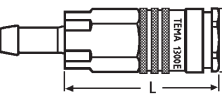
Coupling Male Thread



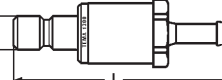
Coupling Single-handed Female Thread



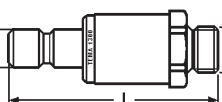
Coupling Single-handed Male Thread



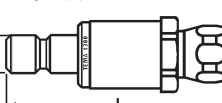
Coupling Single-handed incl. Hose Nipple



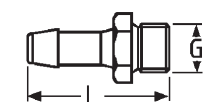
Safety Nipple w/ Hose Connection



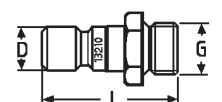
Safety Nipple Male Thread



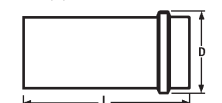
Safety Nipple w/ Hose Socket



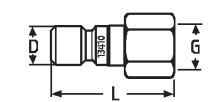
Hose Nipple



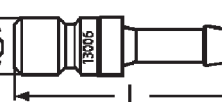
Nipple Male Thread



Protective Sleeve



Nipple Female Thread



Nipple w/ Hose Connection

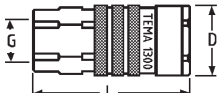
Type	Part No.	Dimension ISO-BSP		Min. Through-put mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.
		Male	Female							mm	inches	
Coupling 4)	1300		1/4	6.8	nitrile	22	49	18	30			81
	1300 A	3/8		6.8	nitrile	22	49	18	30			81
	1300 B		3/8	6.8	nitrile	22	50	20	30			86
	1300 V		1/4	6.8	viton	22	49	18	30			81
	1300 AV	3/8		6.8	viton	22	49	18	30			75
	1300 BV		3/8	6.8	viton	22	50	20	30			86
Coupling Single-handed	1300 E		1/4	7.4	nitrile	22	55	19	30			96
	1300 EA	3/8		7.4	nitrile	22	56	19	30			88
	1300 EB		3/8	7.4	nitrile	22	55	20	30			94
	1300 EC	1/4		7.4	nitrile	22	58	19	30			92
	1300 ED	1/2		7.4	nitrile	26	57	23	30			108
	1300 EEB		3/8	7.4	nitrile	26	55	20	30			100
Coupling incl. Hose Nipple	1300 EK06			4.8	nitrile	22	78	19	30	6	1/4"	98
	1300 EK08			6.4	nitrile	22	78	19	30	8	5/16"	99
	1300 EK10			7.4	nitrile	22	78	19	30	10	3/8"	100
	1300 EK12			7.4	nitrile	22	77	19	30	12	1/2"	101
	1300 EK10			7.4	nitrile	26	78	19	30	10	3/8"	110
Hose Nipple I)	1306	1/4					37	16	30	6	1/4"	16
	1308	1/4					37	16	30	8	5/16"	17
	1310	1/4					37	16	30	10	3/8"	19
	1312	1/4					38	16	30	12	1/2"	21
Nipple II) Male Thread	13110	1/8				12	35	13	30			17
	13110 M	1/8				12	35	13	10			17
	13210	1/4				12	38	14	30			23
	13210 M	1/4				12	35	16	10			25
	13220	3/8				12	38	17	30			27
	13230	1/2				12	40	22	30			38
Nipple III) Female Thread	13405		1/8			12	32	13	30			17
	13410		1/4			12	36	16	30			23
	13410-100	1/4				12	124	16	30			65
	13411 M		1/4			12	44	18	10			39
Nipple IV) w/ Hose Connection	13420	3/8				12	36	20	30			28
	13006					12	44		30	6	1/4"	14
	13008					12	44		30	8	5/16"	15
	13010					12	44		30	10	3/8"	16
	13012					12	47		30	12	1/2"	22
	13006 S					12	73	20	30	6	1/4"	47
Safety Nipple V)	13008 S					12	73	20	30	8	5/16"	49
	13010 S					12	73	20	30	10	3/8"	51
	13012 S					12	74	20	30	12	1/2"	55
	13210 S	1/4				12	60	20	30			49
	13220 S	3/8				12	60	20	30			48
	13230 S	1/2				12	63	25	30			67
Safety Nipple Combined w/ Hose Socket VI)	13006 S-1					12	69	20	30	6	1/4"	60
	13008 S-1					12	69	20	30	6	1/4"	60
	13010 S-1					12	69	20	30	10	3/8"	65
Plastic Protection Coupling Nipple	1316											5
	1326											3
Disc Gasket	13310 N											
	13310 V											
O-ring (1300 E)	N7-9.3											
Protective Sleeve	1300-351					PVC	33	73				15
Fiber Gasket	13320											



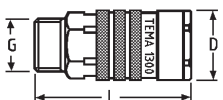
Fiber Gasket

QUICK RELEASE COUPLINGS TEMA 1300N SERIES

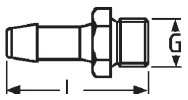
TEMA AIR COUPLING Series 1300 N



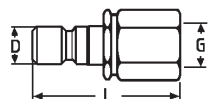
Coupling Female Thread



Coupling Male Thread



Hose Nipple



Nipple Female Thread



Protective Sleeve



Fiber Gasket

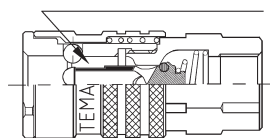
Type	Part No.	Dimension ISO-BSP		Min. Through-put mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.
		Male	Female							mm	inches	
Coupling	1300 N		1/4	5.8	nitrile	22	49	18	50 ¹⁾			81
	1300 NA	3/8		5.8	nitrile	22	49	18	50 ¹⁾			75
	1300 NB		3/8	5.8	nitrile	22	50	20	50 ¹⁾			86
	1300 NV		1/4	5.8	viton	22	49	18	50 ¹⁾			81
	1300 NAV	3/8		5.8	viton	22	49	18	50 ¹⁾			75
	1300 NBV		3/8	5.8	viton	22	50	20	50 ¹⁾			86
Nipple ¹⁾	1306	1/4					37	16	30	6	1/4"	16
	1308	1/4					37	16	30	8	5/16"	17
	1310	1/4					37	16	30	10	3/8"	19
	1312	1/4					37	16	30	12	1/2"	21
Nipple Female Thread II)	13410 MN ²⁾		1/4		nitrile	12	44	18	20 ¹⁾			42
	13410 STN ³⁾		1/4		nitrile	12	44	18	50 ¹⁾			40
	13410 MNV ²⁾		1/4		viton	12	44	18	20 ¹⁾			42
	13410 STNV ³⁾		1/4		viton	12	44	18	50 ¹⁾			40
Plastic Protection Coupling Nipple	1316				PVC							5
	1326				PVC							3
O-ring	13310 N				nitrile							
	13310 V				viton							
Protective Sleeve Fiber Gasket	1300-351				PVC	33	73					15
	13320											

¹⁾ Max working pressure for steam 10 bar.

²⁾ Material quality brass.

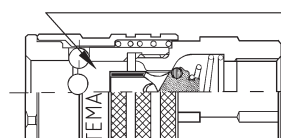
³⁾ Material quality steel.

Long valve that opens the valve in the N-nipple

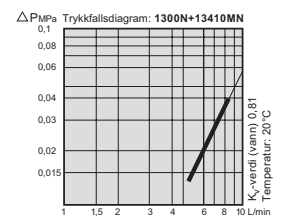


Coupling N-series

Standard coupling (series 1300, 1800) with short valve

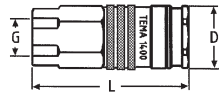


Coupling Standard

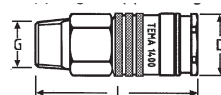


QUICK RELEASE COUPLINGS TEMA 1400 SERIES

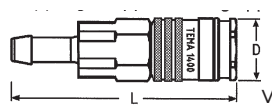
TEMA AIR COUPLING Series 1400



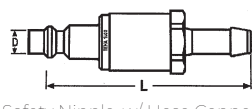
Coupling Female Thread



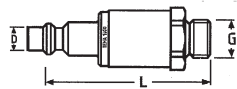
Coupling Male Thread



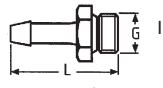
Coupling incl. Hose Connection



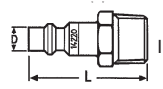
Safety Nipple, w/ Hose Connection



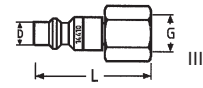
Safety Nipple Male Thread



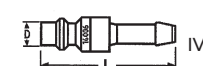
Hose Nipple



Plug-in Nipple Male Thread



Plug-in Nipple Female Thread



Plug-in Nipple w/ Hose Connection



Fiber Gasket

Type	Part No.	Dimension ISO-BSP		Min. Through-put mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.
		Male	Female							mm	inches	
Coupling	1400		1/4	7.4	nitrile	22	55	19	30			100
	1400 A		3/8	7.4	nitrile	22	55	20	30			96
	1400 C	1/4		7.4	nitrile	22	58	19	30			93
	1400 D	3/8		7.4	nitrile	22	56	19	30			90
Coupling incl. Hose Nipple	1400 K06			4.8	nitrile	22	78	20	30	6	1/4"	103
	1400 K08			6.4	nitrile	22	78	20	30	8	5/16"	105
	1400 K10			7.4	nitrile	22	78	20	30	10	3/8"	105
	1400 K12			7.4	nitrile	22	77	20	30	12	1/2"	107
Hose Nipple I	1306 ²⁾	1/4					37	16	30	6	1/4"	16
	1308 ²⁾	1/4					37	16	30	8	5/16"	17
	1310 ²⁾	1/4					37	16	30	10	3/8"	19
	1312 ²⁾	1/4					38	16	30	12	1/2"	21
Plug-in Nipple Male Thread II	14110	1/8				8	36	12	30			16
	14210	1/4				8	36	12	30			16
	14220	3/8				8	41	17	30			23
Plug-in Nipple III Female Thread	14405		1/8			8	33	12	30			11
	14410		1/4			8	40	17	30			24
	14420		3/8			8	42	20	30			31
Plug-in Nipple IV w/ Hose Connection	14006					8	47		30	6	1/4"	14
	14008					8	47		30	8	5/16"	15
	14010					8	47		30	10	3/8"	15
	14010 M ¹⁾					8	47		10	10	3/8"	15
Safety Nipple V	14012					8	49		30	12	1/2"	17
	14006 S					8	76	20	30	6	1/4"	49
	14008 S					8	76	20	30	8	5/16"	50
	14010 S					8	76	20	30	10	3/8"	51
	14012 S					8	77	20	30	12	1/2"	55
14210 S	1/4				8	63	20	30			49	
Plastic Protection Coupling Nipple	3826				PVC							17
	1326				PVC							3
Fiber Gasket	13320											

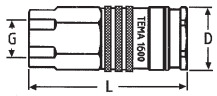
¹⁾ Quality: Brass

²⁾ Coupling 1400A is interchangeable with series 1800
Note! Interchangeable with Cejn 310, Hansen 3000, Luna 23, OBAC 23, Atlas Qic8

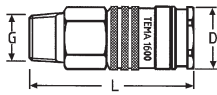
QUICK RELEASE COUPLINGS TEMA 1600 SERIES

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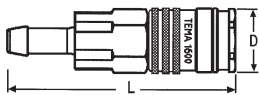
TEMA AIR COUPLING Series 1600



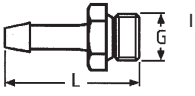
Coupling Female Thread



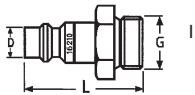
Coupling Male Thread



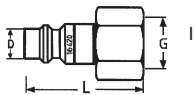
Coupling incl. Hose Nipple



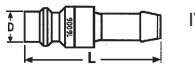
Hose Nipple



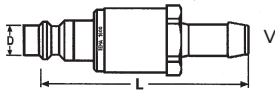
Plug-in Nipple Male Thread



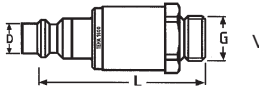
Plug-in Nipple Female Thread



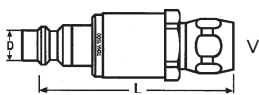
Plug-in Nipple w/ Hose Connection



Safety Nipple w/ Hose Connection



Safety Nipple Male Thread



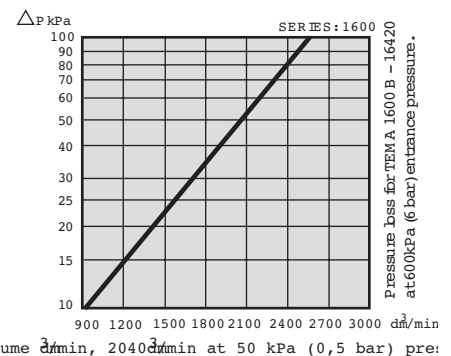
Safety Nipple w/ Hose Socket



Fiber Gasket

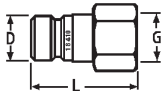
Type	Part No.	Dimension ISO-BSP		Min. Throughput mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.
		Male	Female							mm	inches	
Coupling	1600		1/4	7.5	nitrile	23	58	19	30			108
	1600 A	3/8		7.5	nitrile	23	59	19	30			98
	1600 B		3/8	7.5	nitrile	23	57	20	30			106
	1600 C	1/2		7.5	nitrile	23	61	23	30			125
	1600 D	1/4		7.5	nitrile	23	61	19	30			100
Coupling incl. Hose Nipple	1600 K06		1/2	7.5	nitrile	23	57	25	30			127
	1600 K08			6.4	nitrile	23	80	19	30	6	1/4"	113
	1600 K10			7.5	nitrile	23	80	19	30	8	5/16"	114
	1600 K12			7.5	nitrile	23	79	19	30	10	3/8"	115
Hose Nipple ¹⁾ I	1306	1/4					37	16	30	6	1/4"	16
	1308	1/4					37	16	30	8	5/16"	17
	1310	1/4					37	16	30	10	3/8"	19
	1312	1/4					38	16	30	12	1/2"	21
	1806	3/8					38	19	30	6	1/4"	21
	1808	3/8					38	19	30	8	5/16"	23
	1810	3/8					38	19	30	10	3/8"	25
	1812	3/8					39	19	30	12	1/2"	29
Plug-in Nipple II Male Thread	16110	1/8				10	32	13	30			14
	16210	1/4				10	38	14	30			20
	16220	3/8				10	36	19	30			24
Plug-in Nipple III Female Thread	16230	1/2				10	40	22	30			34
	16405		1/8			10	30	13	30			13
	16410		1/4			10	36	16	30			21
	16420		3/8			10	36	20	30			28
Plug-in Nipple IV w/ Hose Connection	16430		1/2			10	40	25	30			48
	16006					10	43		30	6	1/4"	12
	16008					10	43		30	8	5/16"	13
	16010					10	43		30	10	3/8"	15
Safety Nipple V	16012					10	46		30	12	1/2"	22
	16006 S					10	73	20	30	6	1/4"	46
	16008 S					10	73	20	30	8	5/16"	48
	16010 S					10	73	20	30	10	3/8"	49
Safety Nipple combined with Hose Socket VI	16012 S					10	74	20	30	12	1/2"	53
	16210 S	1/4				10	60	20	30			49
	16006 S-1					10	69	20	30	6	1/4"	62
	16008 S-1					10	69	20	30	8	5/16"	64
Plastic Protection Coupling Nipple	16010 S-1					10	69	20	30	10	3/8"	68
	1316				PVC							5
O-ring	1326				PVC							3
	N7-9,3				nitrile							
Fiber Gasket	13320											

¹⁾ 1306-1312 fits 1600
1806-1812 fits 1600 B
²⁾ Interchangeable with Cejn 320, Luna 25, OBAC 25, Rectus 25, Bosch 825

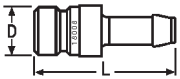


QUICK RELEASE COUPLINGS TEMA 1800 SERIES

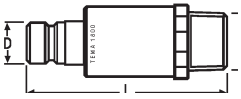
TEMA AIR COUPLING Series 1800



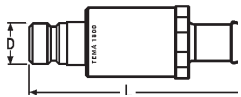
Plug-in Nipple Female Thread



Plug-in Nipple w/ Hose Connection



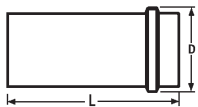
Safety Nipple Male Thread



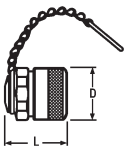
Safety Nipple w/ Hose Connection



Safety Nipple w/ Hose Socket



Protective Sleeve

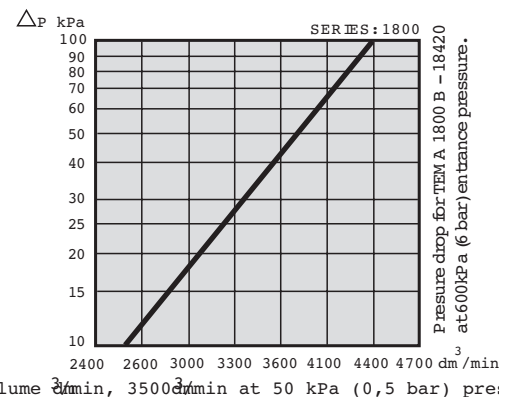


Metal Protection



Fiber Gasket

Type	Part No.	Dimension ISO-BSP		Min. Through-put mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.	
		Male	Female							mm	inches		
Nipple Female Thread	18405		1/4			16	36	16	30			30	
	18410		3/8			16	36	20	30			33	
	18410 R ⁽⁴⁾		3/8			16	36	22	30			41	
	18411 M ⁽¹⁾		3/8			16	49	22	30			60	
	18420		1/2			16	39	25	30			53	
Plug-in Nipple w/ Hose Connection	18006					16	44		30	6	1/4"	20	
	18008					16	44		30	8	5/16"	22	
	18010					16	44		30	10	3/8"	24	
	18010 M ⁽¹⁾					16	44		10	10	3/8"	24	
	18012					16	45		30	12	1/2"	27	
	18012 M ⁽¹⁾					16	45		10	12	1/2"	27	
	18016					16	46		30	16	5/8"	26	
	18019					16	46		30	19	3/4"	32	
	Safety Nipple	18006 S					16	70	21	30	6	1/4"	60
		18008 S					16	70	21	30	8	5/16"	61
18010 S						16	70	2	30	10	3/8"	63	
18012 S						16	71	21	30	12	1/2"	68	
18016 S						16	71	21	30	16	5/8"	66	
18019 S						16	71	21	30	19	3/4"	70	
18110 S		1/4				16	58	21	30			62	
18210 S		3/8				16	58	21	30			62	
18220 S		1/2				16	60	21	30			80	
Safety Nipple combined with Hose Socket		18008 S-1					16	67	21	30	8	5/16"	79
	18010 S-1					16	67	21	30	10	3/8"	83	
	18012 S-1					16	67	21	30	12	1/2"	88	
Plastic Protection Coupling Nipple Protective Sleeve	5026				PVC								
	2526				PVC								
	1800-35				PVC	37	41					10	
	1800-351				PVC	37	78					20	
Metal Protection	18415 ⁽⁹⁾					23	78					45	
Disc Gasket (1800 E)	18310 N				Nitrile								
	18310 V				viton								
	18310 NE				nitrile								
Fiber Gasket	18320												

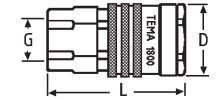


QUICK RELEASE COUPLINGS TEMA 1800 SERIES

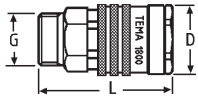
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Continued from previous page

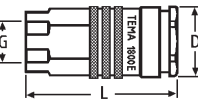
TEMA AIR COUPLING Series 1800



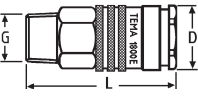
Coupling Female Thread



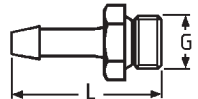
Coupling Male Thread



Coupling Single-handed Female Thread



Coupling Single-handed Male Thread



Hose Nipple



Plug-in Nipple Male Thread

Type	Part No.	Dimension ISO-BSP		Min. Through-put mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.	
		Male	Female							mm	inches		
Coupling ¹⁾	1800		3/8	10.4	nitrile	27	54	22	30			125	
	1800 A	1/2		10.4	nitrile	27	54	22	30			115	
	1800 B		1/2	10.4	nitrile	27	55	24	30			130	
	1800 C		3/4	10.4	nitrile	27	57	30	30			160	
	1800 L ²⁾		3/8	10.4	nitrile	27	54	22	30			125	
	1800 SV ²⁾		3/8	10.4	nitrile	27	54	22	30			125	
	1800 RV ⁴⁾		3/8	10.0	viton	27	54	22	30 ⁷⁾			115	
	1800 V		3/8	10.4	viton	27	54	22	30			125	
	1800 AV	1/2		10.4	viton	27	54	22	30			115	
	1800 BV		1/2	10.4	viton	27	55	24	30			130	
	1800 CV		3/4	10.4	viton	27	57	30	30			160	
	1800 ST ⁹⁾		3/8	10.4	nitrile	27	54	22	30			122	
	1800 AST ⁹⁾	1/2		10.4	nitrile	27	54	22	30			112	
	1800 BST ⁹⁾		1/2	10.4	nitrile	27	55	24	30			127	
	Coupling Single-handed	1800 EA	1/2		10.2	nitrile	27	64	23	30			140
1800 EB			1/2	10.2	nitrile	27	61	24	30			146	
1800 EE ¹⁰⁾			3/8	10.2	nitrile	31	60	23	30			157	
Nipple ¹⁾	1806	3/8					38	19	30	6	1/4"	21	
	1808	3/8					38	19	30	8	5/16"	23	
	1810	3/8					38	19	30	10	3/8"	25	
	1810 R ⁴⁾	3/8					38	19	30	10	3/8"	22	
	1812	3/8					39	19	30	12	1/2"	29	
	1812 R ⁵⁾	3/8					39	19	30	12	1/2"	27	
	1816	3/8					39	19	30	16	5/8"	29	
	1819	3/8					39	19	30	19	3/4"	34	
	1912 ⁹⁾	3/8					43	21	30	12	1/2"	36	
	18105	1/8					16	36	16	30			26
Nipple Male Thread	18110	1/4					16	39	16	30			29
	18110 MS ⁶⁾	1/4					16	36	16	10			29
	182010	3/8					16	38	17	30			30
	18210 R ⁴⁾	3/8					16	36	19	30			31
	18210 SV ³⁾	3/8					16	36	19	30			35
	18220	1/2					16	40	22	30			41
	18220 M ¹⁾	1/2					16	40	22	10			44
18230	3/4					16	43	27	30			66	

¹⁾ Quality: brass, applicable to water.

²⁾ Coupling 1800L comes with safety mechanism to prevent disconnection under pressure.

³⁾ Coupling 1800SV fits nipple 18210SV.

⁴⁾ Quality: stainless steel SS2382.

⁵⁾ Quality: steel.

⁶⁾ Nipple 18110MS has built-in filter for accumulation of dirt.

⁷⁾ Max working pressure for liquids is 50 bar.

⁸⁾ Fits all nipples in the 1800 series except 18210SV.

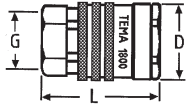
⁹⁾ Quality socket: steel.

¹⁰⁾ Comes with turbo socket.

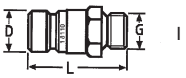
¹¹⁾ All couplings in the 1800 series are available without valve - add "UV" after Part No.

QUICK RELEASE COUPLINGS TEMA 1800 H and 1800 D SERIES

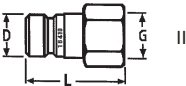
TEMA AIR COUPLING Series 1800 H



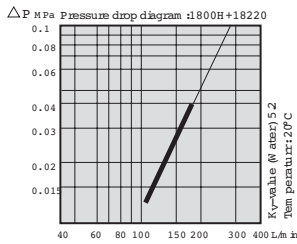
Coupling Female Thread



Plug-in Nipple Male Thread



Plug-in Nipple Female Thread



NB! For high pressure water!

Type	Part No.	Dimension ISO-BSP		Min. Throughput mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.
		Male	Female							mm	inches	
Coupling	1800 H		3/8	10.5	nitrile	27	43	22	100			100
	1800 HV		3/8	10.5	viton	27	43	22	100			100
Plug-in Nipple I Male Thread	18105	1/8				16	36	16	100			26
	18110	1/4				16	36	16	100			29
	18110 A	1/4				16	36	16	100			31
	18210	3/8				16	38	17	100			30
	18210R ²⁾	3/8				16	36	19	100			31
	18220	1/2				16	40	22	100			41
Plug-in Nipple II Female Thread	18220 M ¹⁾	1/2				16	40	22	10			44
	18230	3/4				16	43	27	100			66
	18405		1/4			16	35	16	100			30
	18410		3/8			16	36	20	100			33
Disc Gasket	18410 R ²⁾		3/8			16	36	22	100			41
	18411 M ¹⁾		3/8			16	48	22	10			60
	18420		1/2			16	39	25	100			53
	18310 N				nitrile							
	18310 V				viton							

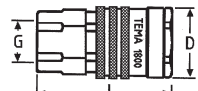
¹⁾ Quality: brass, max pressure 10 bar.

²⁾ Quality: stainless steel SS2382.

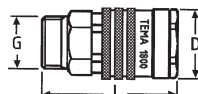
³⁾ Working pressure applies to liquids.

TEMA AIR COUPLING Series 1800 D

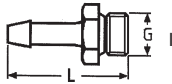
NB! For high pressure lubrication systems (SPL - Single Point Lubrication)!



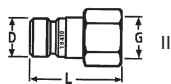
Coupling Female Thread



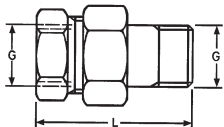
Coupling Male Thread



Hose Nipple



Plug-in Nipple Female Thread



Adapter 1840



Adapter 1841



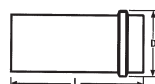
Adapter 1843

Type	Part No.	Dimension ISO-BSP		Min. Throughput mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Female Diameter		Weight gr.
		Male	Female							mm	inches	
Coupling	1800 D		3/8	10.0	nitrile	27	54	22	30			127
	1800 AD	1/2		10.0	nitrile	27	54	22	30			117
	1800 AD2	1/2		10.0	nitrile	27	54	22	30			117
	1800 BD		1/2	10.0	nitrile	27	55	22	30			117
Hose Nipple I	1806	3/8				38	19	30	30	6	1/4"	21
	1808	3/8				38	19	30	30	8	5/16"	23
	1810	3/8				38	19	30	30	10	3/8"	25
	1812	3/8				39	19	30	30	12	1/2"	29
	1816	3/8				39	19	30	30	16	5/8"	29
	1819	3/8				39	19	30	30	19	3/4"	34
Plug-in Nipple II Female Thread	18410 D		3/8			16	36	20	30			32
	18410 DS		3/8			16	52	22	30			70
Adapter	1840 ¹⁾	1/2	1/2			53						138
	1841 ²⁾					24						6
	1843 ²⁾					21						5
Disc Gasket Protective Sleeve	18310 N				nitrile							
	1800-35				PVC	37	41					10
Fiber Gasket	1800-351				PVC	37	78					20
	18320											

¹⁾ Adapter 1840 fits coupling 1800 D

fit coupling 1800 AD2

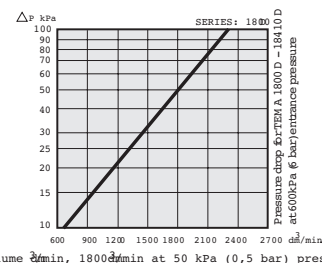
²⁾ Adaptors 1841 and 1843



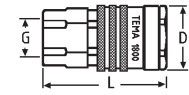
Protective Sleeve



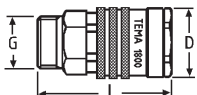
Fiber Gasket



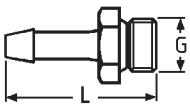
TEMA AIR COUPLING Series 1800 N



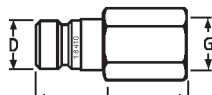
Coupling Female Thread



Coupling Male Thread



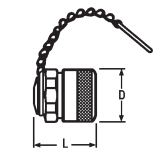
Hose Nipple



Plug-in Nipple Female Thread



Protective Sleeve



Metal Protection



Fiber Gasket

Type	Part No.	Dimension ISO-BSP		Min. Through-put mm	Rubber Quality	D mm	L mm	WS mm	Max Work. Pres. bar	Hose Inside Diameter		Weight gr.
		Male	Female							mm	inches	
Coupling	1800 N		3/8	9.5	nitrile	27	54	22	50 ¹⁾			125
	1800 NA	1/2		9.5	nitrile	27	54	22	50 ¹⁾			115
	1800 NB		1/2	9.5	nitrile	27	55	24	50 ¹⁾			130
	1800 NBA		1/2	9.5	EPDM	27	55	25	50 ¹⁾			138
	1800 NC		3/4	9.5	nitrile	27	57	30	50 ¹⁾			160
	1800 NV		3/8	9.5	viton	27	54	22	50 ¹⁾			125
	1800 NAV	1/2		9.5	viton	27	54	22	50 ¹⁾			115
	1800 NBV		1/2	9.5	viton	27	55	24	50 ¹⁾			130
	1800 NCV		3/4	9.5	viton	27	57	30	50 ¹⁾			160
Nipple	1806	3/8				38	19	30	6	1/4"		21
	1808	3/8				38	19	30	8	5/16"		23
	1810	3/8				38	19	30	10	3/8"		25
	1812	3/8				39	19	30	12	1/2"		29
	1816	3/8				39	19	30	16	5/8"		29
	1819	3/8				39	19	30	19	3/4"		34
Plug-in Nipple Female Thread	18410 MN ²⁾		3/8		nitrile	16	49	22	10 ¹⁾			70
	18410 STN ³⁾		3/8		nitrile	16	49	22	50 ¹⁾			65
	18420 MN ²⁾	4)			nitrile	16	47	22	10 ¹⁾			60
	18442 MNA ³⁾		1/2		nitrile	16	52	25	10 ¹⁾			90
	18430 MN		3/4		nitrile	16	54	30	10 ¹⁾			129
	18410 MNV ²⁾		3/8		viton	16	49	22	10 ¹⁾			70
	18410 STV ²⁾		3/8		viton	16	49	22	50 ¹⁾			65
	18422 MNAV ³⁾		1/2		viton	16	52	25	10 ¹⁾			90
Plastic Protection Coupling Nipple	5026				PVC							
	2526				PVC							
O-ring	18310 N				nitrile							
	18310 V				viton							
Protective Sleeve	1800-35				PVC	37	41					10
	1800-351				PVC	37	78					20
Metal Protection	18415					23	27					45
Fiber Gasket	18320											

¹⁾ Max working pressure for steam is 10 bar.

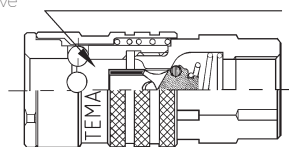
²⁾ Quality: brass

³⁾ Quality: steel

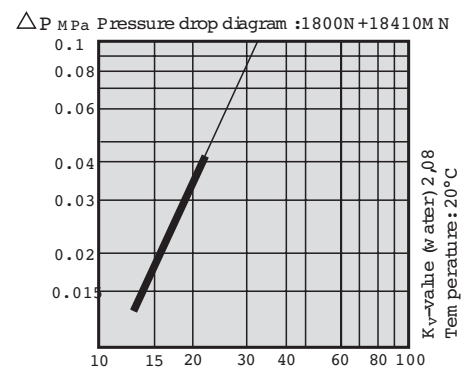
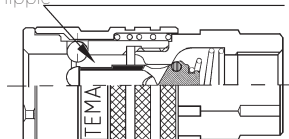
⁴⁾ 1/2"-14 NPTF Male

⁵⁾ Quality: zinc-treated brass

Standard coupling (series 1300, 1800) with short valve



Long valve that opens the valve in the N-nipple



QUICK RELEASE COUPLINGS HANSEN SERIES 3000 and 5000

HANSEN Series 3000

Construction: This series has valves only in the coupling part. The nipple can freely swivel when connected to the coupling. Coupling is produced in solid brass, the nipple in stainless steel.
 Applications: Compressed air, grease, gases, oils, paint, vacuum, etc.
 Working pressure connected: 138 bar

Part No. HANSEN	Connection	Coupling	Nipple	Part No. HANSEN	Connection
-2900	1/8" Male NPT			-012	1/8" Male NPT
-3100	1/4" Male NPT			-010	1/4" Male NPT
-3300	3/8" Male NPT			-014	3/8" Male NPT
-2800	1/8" Female NPT			-013	1/8" Female NPT
-3000	1/4" Female NPT			-011	1/4" Female NPT
-3200	3/8" Female NPT			-015	3/8" Female NPT
-3600	1/4" Hose I.D.			-016	1/4" Hose I.D.
-3800	5/16" Hose I.D.			-018	5/16" Hose I.D.
-3700	3/8" Hose I.D.			-017	3/8" Hose I.D.

HANSEN Series 5000

Construction: This series has valves only in the coupling part. The nipple can freely swivel when connected to the coupling. Coupling is produced in solid brass, the nipple in stainless steel.
 Applications: Compressed air, grease, gases, oils, paint, vacuum, etc.
 Working pressure connected: 35 bar

Part No. HANSEN	Connection	Coupling	Nipple	Part No. HANSEN	Connection
-5100	3/8" Male NPT			-052	3/8" Male NPT
-5300	1/2" Male NPT			-054	1/2" Male NPT
-5500	3/4" Male NPT			-056	3/4" Male NPT
-5000	3/8" Female NPT			-053	3/8" Female NPT
-5200	1/2" Female NPT			-055	1/2" Female NPT
-5400	3/4" Female NPT			-057	3/4" Female NPT
-5700	3/8" Hose I.D.			-059	3/8" Hose I.D.
-5800	1/2" Hose I.D.			-060	1/2" Hose I.D.
-5900	3/4" Hose I.D.			-061	3/4" Hose I.D.

QUICK RELEASE COUPLINGS Cam and Groove Adaptors

Construction: Built in accordance to MIL C-27487 specifications. Completely air- and watertight under pressure and vacuum. Available with both BSP and NPT threads. BUNA N gasket as standard. All 8 main parts are available in aluminum (AL), brass (BR), stainless steel AISI 316 L (SS) and polypropylene (PP). Other material qualities, for example UNS 31254 (6MO) available on request. Interchangeable with Ever-Tite, Seal, Fast, PT, OPW, Camlok, Snaplock, Andrews etc.

Temperature range: Aluminium, brass and stainless steel couplings stainless steel: Depending on gasket material. BUNA N -40OC to + 120OC, Viton -40OC to +200OC . Polypropylene couplings max +70OC. At this temperature, the working pressure is reduced by 40%

Applications: For transporting water, oil, fuel, liquid gases, chemicals, abrasive products, etc.

A					B			
DIM.	Aluminium Part No. BSP: 632A NPT: 633A	Brass Part No. BSP: 632A NPT: 633A	AISI 316 L Part No. BSP:632A NPT: 633A	Polyprop. Part No. BSP: 632A NPT: 633A	Aluminium Part No. BSP: 632B NPT: 633B	Brass Part No. BSP: 632B NPT: 633B	AISI 316 L Part No. BSP:632B NPT: 633B	Polyprop. Part No. BSP:632B NPT:633B
1/2"	013AL	013BR	013SS	013PP	013AL	013BR	013SS	013PP
3/4"	019AL	019BR	019SS	019PP	019AL	019BR	019SS	019PP
1"	025AL	025BR	025SS	025PP	025AL	025BR	025SS	025PP
1.1/4"	032AL	032BR	032SS	032PP	032AL	032BR	032SS	032PP
1.1/2"	038AL	038BR	038SS	038PP	038AL	038BR	038SS	038PP
2"	050AL	050BR	050SS	050PP	050AL	050BR	050SS	050PP
2.1/2"	063AL	063BR	063SS		063AL	063BR	063SS	
3"	075AL	075BR	075SS	075PP	075AL	075BR	075SS	075PP
4"	100AL	100BR	100SS		100AL	100BR	100SS	
5"	125AL	125BR	125SS		125AL	125BR	125SS	
6"	150AL	150BR	150SS		150AL	150BR	150SS	

C					D			
DIM.	Aluminium Part No. 633C	Brass Part No. 633C	AISI 316 L Part No. 633C	Polyprop. Part No. 633C	Aluminium Part No. BSP: 632D NPT: 633D	Brass Part No. BSP: 632D NPT: 633D	AISI 316 L Part No. BSP:632D NPT: 633D	Polyprop. Part No. BSP:632D NPT:633D
1/2"	013AL	013BR	013SS	013PP	013AL	013BR	013SS	013PP
3/4"	019AL	019BR	019SS	019PP	019AL	019BR	019SS	019PP
1"	025AL	025BR	025SS	025PP	025AL	025BR	025SS	025PP
1.1/4"	032AL	032BR	032SS	032PP	032AL	032BR	032SS	032PP
1.1/2"	038AL	038BR	038SS	038PP	038AL	038BR	038SS	038PP
2"	050AL	050BR	050SS	050PP	050AL	050BR	050SS	050PP
2.1/2"	063AL	063BR	063SS		063AL	063BR	063SS	
3"	075AL	075BR	075SS	075PP	075AL	075BR	075SS	075PP
4"	100AL	100BR	100SS		100AL	100BR	100SS	
5"	125AL	125BR	125SS		125AL	125BR	125SS	
6"	150AL	150BR	150SS		150AL	150BR	150SS	

QUICK RELEASE COUPLINGS CAM AND GROOVE ADAPTORS

QUICK RELEASE COUPLINGS Cam and Groove Adaptors

E**F**

DIM.	Aluminium Part No. 633E	Brass Part No. 633E	AISI 316 L Part No. 633E	Polyprop. Part No. 633E	Aluminium Part No. BSP: 632F NPT: 633F	Brass Part No. BSP: 632F NPT: 633F	AISI 316 L Part No. BSP:632F NPT: 633F	Polyprop. Part No. BSP:632F NPT:633F
1/2"	013AL	013BR	013SS	013PP	013AL	013BR	013SS	013PP
3/4"	019AL	019BR	019SS	019PP	019AL	019BR	019SS	019PP
1"	025AL	025BR	025SS	025PP	025AL	025BR	025SS	025PP
1.1/4"	032AL	032BR	032SS	032PP	032AL	032BR	032SS	032PP
1.1/2"	038AL	038BR	038SS	038PP	038AL	038BR	038SS	038PP
2"	050AL	050BR	050SS	050PP	050AL	050BR	050SS	050PP
2.1/2"	063AL	063BR	063SS		063AL	063BR	063SS	
3"	075AL	075BR	075SS	075PP	075AL	075BR	075SS	075PP
4"	100AL	100BR	100SS		100AL	100BR	100SS	
5"	125AL	125BR	125SS		125AL	125BR	125SS	
6"	150AL	150BR	150SS		150AL	150BR	150SS	

DUST PLUG**DUST CAP**

DIM.	Aluminium Part No. 634A	Brass Part No. 634A	AISI 316 L Part No. 634A	Polyprop. Part No. 634A	Aluminium Part No. 634B	Brass Part No. 634B	AISI 316 L Part No. 634B	Polyprop. Part No. 634B
1/2"	013AL	013BR	013SS		013AL	013BR	013SS	
3/4"	019AL	019BR	019SS	019PP	019AL	019BR	019SS	019PP
1"	025AL	025BR	025SS	025PP	025AL	025BR	025SS	025PP
1.1/4"	032AL	032BR	032SS		032AL	032BR	032SS	
1.1/2"	038AL	038BR	038SS	038PP	038AL	038BR	038SS	038PP
2"	050AL	050BR	050SS	050PP	050AL	050BR	050SS	050PP
2.1/2"	063AL	063BR	063SS		063AL	063BR	063SS	
3"	075AL	075BR	075SS	075PP	075AL	075BR	075SS	075PP
4"	100AL	100BR	100SS		100AL	100BR	100SS	
5"	125AL	125BR	125SS		125AL	125BR	125SS	
6"	150AL	150BR	150SS		150AL	150BR	150SS	

WORKING PRESSURE FOR COUPLINGS IN DIFFERENT MATERIAL QUALITIES (BAR)

Material/Dim.	1/2"	3/4"- 2"	2.1/2"	3"	4"	5"- 6"	6" w/ 4 arms
Brass	11	18	11	9	7	5	10
Aluminium	11	18	11	9	7	5	10
Stainless steel 316 L	11	18	16	14	7	7	14
Polypropylene	5	7		4			

Working pressure for polypropylene couplings must be reduced by 40% at +70°C.

QUICK RELEASE COUPLINGS SPECIALITIES Cam and Groove Adaptors



Leverlock - coupling series with locking mechanism to prevent accidental disconnection. Interchangeable with standard cam and groove adaptor nipples. Available in AISI 316L stainless steel in dimensions 1", 1.1/4", 1.1/2", 2" and 3".



Flotite - coupling series with built-in ball valve to prevent leakage and contamination. Available in AISI 316L stainless steel in dimensions 1", 1.1/2", 2".



Lockable dust caps - dust caps with locking handle to prevent unwanted access to tanks. Available in all material qualities in dimensions 1.1/4" to 4".

GASKETS: BUNA N TEMP. -40°C TO +120°C TO 200°C.



The gaskets are available with teflon coating

Dim.	BUNA N Part No.	VITON Part No.	Dim.	BUNA N Part No.	VITON Part No.
1/2"	650N13	652A013	2 1/2"	650N063	652A063
3/4"	650N19	652A019	3"	650N075	652A075
1"	650N25	652A025	4"	650N100	652A100
1.1/4"	650N32	652A032	5"	650N125	652A125
1.1/2"	650N38	652A038	6"	650N150	652A150
2"	650N50	652A050			

HANDLE W / RING AND LOCKING PIN



Coupling Dimension	Brass: Part No.	Stainless Steel: Part No.
1/2" - 3/4"	636HT019	637HT019
1"	636HT025	637HT025
1.1/4" - 2.1/2"	636HT063	637HT063
3" - 4"	636HT100	637HT100
5"	636HT125	637HT125
6"	636HT150	637HT150

CHAIN WITH HOOK



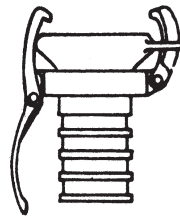
Length		Brass Part No.	Weight Kg	Stainless Steel Part No.	Weight Kg
Inches	mm				
8	200	638-KJ-200	0.013		
12	300	638-KJ-300	0.019	639-KJ-300	0.027

"LAUX" QUICK RELEASE COUPLINGS
Mod. C - German series
Mod. 42 - Swedish series



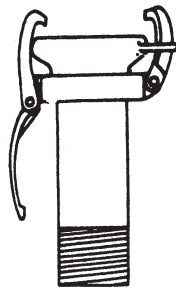
Construction: Galvanized steel. Couplings and nipples with welding ends, black unprocessed steel. Male Thread BSP.
 Applications: For transportation of water, oil, air, steam, grain, flour, cement, concrete, asphalt, etc.
 Swedish series Mod. 42 comes with a locking mechanism. Mod. C and Mod. 42 are not interchangeable.

COUPLING WITH HOSE TAIL:		
Dim.	Mod. C Part No.	Mod. 42 Part No.
1.1/2"		SMS-038
2"	KMS-050	SMS-050
2.1/2"	KMS-070	SMS-063
3"	KMS-089	SMS-075
4"	KMS-108	SMS-100
5"	KMS-133	SMS-125
6"	KMS-159	SMS-150



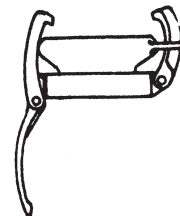
NIPPLE WITH HOSE TAIL:		
Dim.	Mod. C Part No.	Mod. 42 Part No.
1.1/2"		SVS-038
2"	KVS-050	SVS-050
2.1/2"	KVS-070	SVS-063
3"	KVS-089	SVS-075
4"	KVS-108	SVS-100
5"	KVS-133	SVS-125
6"	KVS-159	SVS-150

COUPLING WITH MALE THREAD:		
Dim.	Mod. C Part No.	Mod. 42 Part No.
1.1/2"		SMG-038
2"	KMG-050	SMG-050
2.1/2"	KMG-070	SMG-063
3"	KMG-089	SMG-075
4"	KMG-108	SMG-100



NIPPLE WITH MALE THREAD:		
Dim.	Mod. C Part No.	Mod. 42 Part No.
1.1/2"		SVG-038
2"	KVG-050	SVG-050
2.1/2"	KVG-070	SVG-063
3"	KVG-089	SVG-075
4"	KVG-108	SVG-100
5"	KVG-133	SVG-125
6"	KVG-159	SVG-150

COUPLING WITH WELDING END:		
Dim.	Mod. C Part No.	Mod. 42 Part No.
1.1/2"		SMM-038
2"	KKM-050	SMM-050
2.1/2"	KKM-070	SMM-063
3"	KKM-089	SMM-075
4"	KKM-108	SMM-100
5"	KKM-133	SMM-125
6"	KKM-159	SMM-150



NIPPLE WITH WELDING END:		
Dim.	Mod. C Part No.	Mod. 42 Part No.
1.1/2"		SKV-038
2"	KKV-050	SKV-050
2.1/2"	KKV-070	SKV-063
3"	KKV-089	SKV-075
4"	KKV-108	SKV-100
5"	KKV-133	SKV-125
6"	KKV-159	SKV-150

GASKETS

Type/Dim.	Part No.	1.1/2"	2"	2.1/2"	3"	4"	5"	6"
Mod. C. Standard	KKG		-050	-070	-089	-108	-133	-159
Mod. C. Heat Part No.	KKGV		-050	-070	-089	-108	-133	-159
Mod. 42 Standard EPDM -50°C to +120°C	SKG	-038	-050	-063	-075	-100	-125	-150
Mod. 42 Oil Part No. Nitrile -40°C to +100°C	SKGO	-038	-050	-063	-075	-100	-125	-150
Mod. 42 Chemicals Part No. VITON -30°C to +250°C	SKGX	-038	-050	-063	-075	-100	-125	-125

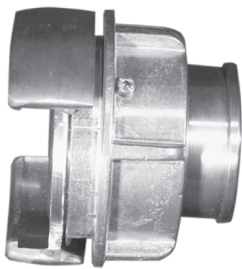


QUICK RELEASE COUPLINGS NOR



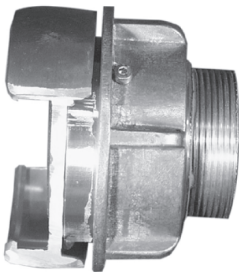
Construction: Brass and aluminum Nor couplings are available in 3 sizes, Lock 1, Lock 2 and Lock 3. The table below applies to Lock 1, which has the largest diameter. BSP Thread.
Coupling and coupling ring: Brass - hot-pressed.
 Aluminium - anodized.
Screws: Stainless steel.
Gasket: Nitrile rubber. Part no. 2829-1
Applications: Special coupling for fire hoses and fire equipment.

Gasket Part No. 2829-1



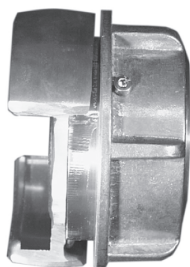
HOSE TAIL:

Dim.	Part No. Brass	Part No. Aluminium
1 1/2"	2820-038	2920-038
2"	2820-050	2920-050
2 1/2"	2820-063	2920-063
3"	2820-075	2920-075



MALE BSP THREAD:

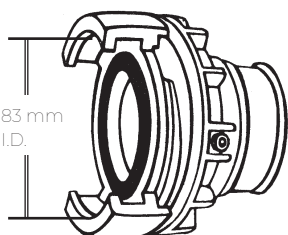
Dim.	Part No. Brass	Part No. Aluminium
1 1/2"	2830-038	2930-038
2"	2830-050	2930-050
2 1/2"	2830-063	2930-063
3"	2830-075	2930-075



FEMALE BSP THREAD:

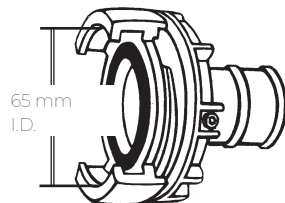
Dim.	Part No. Brass	Part No. Aluminium
1 1/2"	2840-038	2940-038
2"	2840-050	2940-050
2 1/2"	2840-063	2940-063
3"	2840-075	2940-075

Lock 1



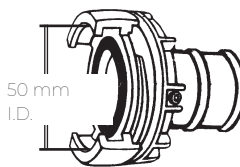
1 1/2", 2 1/2" and 3"

Lock 2
Only available in brass



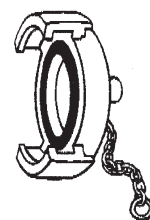
1 1/4", 1 1/2" and 2"

Lock 3



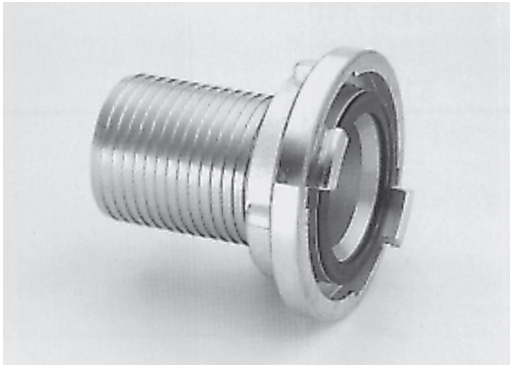
1", 1 1/4" and 1 1/2"

Blind cover Lock 1
Brass Part No. 2850-1
Aluminium Part No. 2950-1



Locking Key
Part No. 2810 for locks 1-2-3





QUICK RELEASE COUPLINGS STORZ

Construction: Storz brass and aluminum quick release couplings are available in 4 sizes, locks A, B, C and D. Part numbers below apply to Lock C, which is the most commonly used lock size. BSP Thread.

Applications: Special coupling for fire hoses and fire equipment.

HOSE TAIL:

Inner distance between the lugs:

Lock A: 133 mm
Lock B: 89 mm
Lock C: 66 mm
Lock D: 31 mm

Hose tail:

Lock A: 4", 110 mm
Lock B: 1 1/2", 2", 2 1/2", 3"
Lock C: 1", 1 1/4", 1 1/2", 2"
Lock D: 1"

Dim.	Part No. Brass	Part No. Aluminium
1"	3820-025	3920-025
1 1/4"	3820-032	3920-032
1 1/2"	3820-038	3920-038
2"	3820-050	3920-050

MALE BSP THREAD:

Inner distance between the lugs:

Lock A: 133 mm
Lock B: 89 mm
Lock C: 66 mm
Lock D: 31 mm

Male thread:

Lock A: 4"
Lock B: 1 1/2", 2", 2 1/2", 3"
Lock C: 1", 1 1/2", 2"
Lock D: 1"

Dim.	Part No. Brass	Part No. aluminium
1"	3830-025	3930-025
1 1/2"	3830-038	3930-038
2"	3830-050	3930-050

FEMALE BSP THREAD:

Inner distance between the lugs:

Lock A: 133 mm
Lock B: 89 mm
Lock C: 66 mm
Lock D: 31 mm

Female thread:

Lock A: 4"
Lock B: 2", 2 1/2", 3"
Lock C: 1 1/2", 2"
Lock D: 1"

Dim.	Part No. Brass	Part No. aluminium
1 1/2"	3840-038	3940-038
2"	3840-050	3940-050

BLIND COVER:

Inner distance between the lugs:

Lock A: 133 mm
Lock B: 89 mm
Lock C: 66 mm
Lock D: 31 mm

Dim.	Part No. Brass	Part No. aluminium
1" - 2"	3850	3950

Locking Key: Part No. 3960

QUICK RELEASE COUPLINGS «TW» (TANKER) COUPLINGS

Construction: Brass and aluminum «TW» quick release couplings comes with female BSP thread in the coupling and nipple. BUNA N coupling gasket. Vulkolan thread gasket.

Applications: Tanker coupling for tank cars and tank farms for transportation of all types of oils and fuels. Available in stainless steel AISI 316 on request.

TW tanker couplings can be mounted on the hose with all-round couplings with aluminium safety clamps - Part No. 7830.



COUPLING WITH FEMALE THREAD:

Dim.	Brass	Aluminium	AISI 316
2"	MK-050BR	MK-050AL	MK-050SS
3"	MK-075BR	MK-075AL	MK-075SS
4"	MK-100BR	MK-100AL	MK-100SS



NIPPLE WITH FEMALE THREAD:

Dim.	Brass	Aluminium	AISI 316
2"	VK-050BR	VK-050AL	VK-050SS
3"	VK-075BR	VK-075AL	VK-075SS
4"	VK-100BR	VK-100AL	VK-100SS



DUST PLUG:

Dim.	Polyamide	Chain
2"	VB-050	TV-007
3"	VB-075	
4"	VB-100	



DUST CAP:

Dim.	Brass	Aluminium	AISI 316
2"	MB-050BR	MB-050AL	MB-050SS
3"	MB-075BR	MB-075AL	MB-075SS
4"	MB-100BR	MB-100AL	MB-100SS



GASKET:

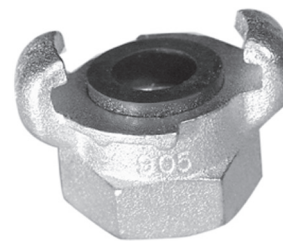
Dim.	Coupling Gasket	Thread Gasket
2"	PO-050	VD-050
3"	PO-075	VD-075
4"	PO-100	VD-100

CLAW COUPLINGS EUROPEAN STANDARD

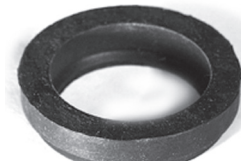
CLAW COUPLINGS
European Standard
Material quality: Galvanized Malleable Iron
Working pressure: Max 10 bar at 20°C



Dim.	42 mm Standard Gasket		42 mm Heat Resistant Gasket		61 mm Standard Gasket	
	Part No.	Connection	Part No.	Connection	Part No.	Connection
1/4"	KAG-06	1/4" Male BSP	KIG-06	1/4" Female BSP	SKG-06	1/4" Hose I.D.
3/8"	KAG-10	3/8" Male BSP	KIG-10	3/8" Female BSP	SKG-10	3/8" Hose I.D.
1/2"	KAG-13	1/2" Male BSP	KIG-13	1/2" Female BSP	SKG-13	1/2" Hose I.D.
3/4"	KAG-19	3/4" Male BSP	KIG-19	3/4" Female BSP	SKG-19	3/4" Hose I.D.
1"	KAG-25	1" Male BSP	KIG-25	1" Female BSP	SKG-25	1" Hose I.D.
1 1/4"	KAG-32	1 1/4" Male BSP	KIG-32	1 1/4" Female BSP	SKG-32	1 1/4" Hose I.D.










Dim.	Large (62 mm Claw Distance)		Large (62 mm Claw Distance)		Large (62 mm Claw Distance)	
	Part No.	Connection	Part No.	Connection	Part No.	Connection
1 1/4"	SKAG-32	1 1/4" Male BSP	SKIG-32	1 1/4" Female BSP	SSKG-32	1 1/4" Hose I.D.
1 1/2"	SKAG-38	1 1/2" Male BSP	SKIG-38	1 1/2" Female BSP	SSKG-38	1 1/2" Hose I.D.



42 mm Standard Gasket	42 mm Heat Resistant Gasket	61 mm Standard Gasket
Part No.	Part No.	Part No.
GOOR	DGOR	SGOR

**CLAW COUPLINGS «AIR KING»
American Standard
«Chicago Dixon»
Working Pressure: Max 10 Bar at 20°C**

TYPE		Dim.	Malleable Cast Iron Part No.	Brass Part No.	Stainless Steel AISI316L Part No.
Female NPT	2 Claws 	1/4"	UF-025	UF-025BR	
		3/8"	UF-037	UF-037BR	
		1/2"	UF-050	UF-050BR	UF-050SS
		3/4"	UF-075	UF-075BR	UF-075SS
		1"	UF-100	UF-100BR	UF-100SS
	4 Claws 	1 1/4"	UF-125	UF-125BR	
		1 1/2"	UF-150	UF-150BR	
		2"	UF-200	UF-200BR	
Hose Tail	2 Claws 	1/4"	UH-025	UH-025BR	
		3/8"	UH-037	UH-037BR	
		1/2"	UH-050	UH-050BR	UH-050SS
		5/8"	UH-062	UH-062BR	
		3/4"	UH-075	UH-075BR	UH-075SS
	1"	UH-100	UH-100BR	UH-100SS	
	4 Claws 	1 1/4"	UH-125	UH-125BR	
		1 1/2"	UH-150	UH-150BR	
2"		UH-200	UH-200BR		
Male NPT / 2 Claws 	1/4"	UM-025	UM-025BR		
	3/8"	UM-037	UM-037BR		
	1/2"	UM-050	UM-050BR	UM-050SS	
	3/4"	UM-075	UM-075BR	UM-075SS	
	1"	UM-100	UM-100BR	UM-100SS	
Blind Cap / 2 Claws 	1/4" - 1"	UD - 301	UD - 301BR	UD - 301SS	
Three-way Claw / 2 Claws 	1/4" - 1"	UW - 300	UW - 300BR		

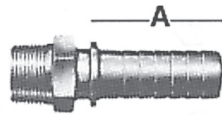
SAFETY CLIP STEEL	SAFETY CLIP SPF-175 W/ 150 MM BRASS CHAIN AND RING	SMALL GASKET	LARGE GASKET
			
PART NO.: SPF - 175	PART NO.: SPF-175-150	SBR RUBBER: PART NO.: UG NEOPRENE RUBBER: PART NO.: UGS	PART NO.: UG - 201

Use of the safety clip is necessary to ensure that the "Air King" claw coupling is not disconnected by accident. Use of the safety clip guarantees that the couplings are connected correctly, as the safety clips are otherwise unable to be put in. The use of "Whip-Check" safety wire over the couplings to avoid damage to personnel and equipment as a result of inappropriate use is recommended.

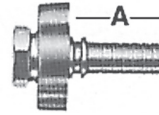
DIXON

«BOSS GROUND JOINT SEAL»

Applications: Air, water, steam, liquid gases etc



Coupling w/ Male Thread



Coupling w/ Wing Nut and Female Spud



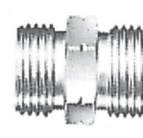
Female Spud

Hose I.D.	Thread NPTF	A mm	Ad. Cast Iron Part No.	Bronze UNS 83600 Part No.	Malleable Iron Part No.	Bronze UNS 83600 Part No.	Ad. Cast Iron Part No.	Bronze UNS 83600 Part No.
1/2"	1/2"	42	NI-08		HI-08		HPG-8	
3/4"	3/4"	60	NI-12	NI-12BR	HI-12	HI-12BR	HPG-12	HPG-12BR
1"	1"	69	NI-16	NI-16BR	HI-16	HI-16BR	HPG-16	HPG-16BR
1.1/4"	1.1/4"	90	NI-20	NI-20BR	HI-20	HI-20BR	HPG-20	HPG-20BR
1.1/2"	1.1/2"	94	NI-24	NI-24BR	HI-24	HI-24BR	HPG-24	HPG-24BR
2"	2"	103	NI-32	NI-32BR	HI-32	HI-32BR	HPG-32	HPG-32BR
2.1/2"	2.1/2"	114	NI-40		HI-40		HPG-40	
3"	3"	129	NI-48	NI-48BR	HI-48		HPG-48	
4"	4"	149	NI-64		HI-64		HPG-64	

DIXON





«BOSS» ADAPTORS AND SPARE PARTS

Bronze



Male Thread NPTF	Bronze UNS 95200 Part No.	Bronze UNS 95200 Part No.	Bronze UNS 83600 Part No.	Bronze UNS 83600 Part No.
3/4"	GMA-12BR	WM-12BR	DB-12BR	BB-12BR
1"	GMA-16BR	WM-16BR	DB-16BR	BB-16BR
1.1/4"	GMA-20BR			BB-20BR
1.1/2"	GMA-24BR	WM-24BR	DB-24BR	BB-24BR
2"	GMA-32BR	WM-32BR	DB-32BR	BB-32BR

COUPLINGS FOR TANKER HOSES, GAS HOSES ETC.

All-round Couplings w/ Aluminium Safety Clamps				Interchangeable Couplings for Tanker and Fuel Hoses			
Hose I.D.	Thread BSP	Female BSP Part No. 7820	Male BSP Part No. 7830	Hose I.D.	Thread BSP	Female BSP Part No. 7801	Female Male Part No. 7802
1.1/4"	1.1/4"	-20-20	-20-20	5/8"	3/4"	-10-12	
1.1/2"	1.1/2"	-24-24	-24-24	3/4"	3/4"	-12-12	-12-12
1.1/2"	2"	-24-32	-24-32	3/4"	1"	-12-16	-12-16
2"	2"	-32-32	-32-32	1"	1"	-16-16	-16-16
2.1/2"	2.1/2"	-40-40	-40-40	1"	1.1/4"	-16-20	
3"	3"	-48-48	-48-48	1.1/4"	1.1/4"	-20-20	-20-20
4"	4"	-64-64	-64-64	1.1/2"	1.1/2"	-24-24	-24-24

Other dimensions on request.

TODO

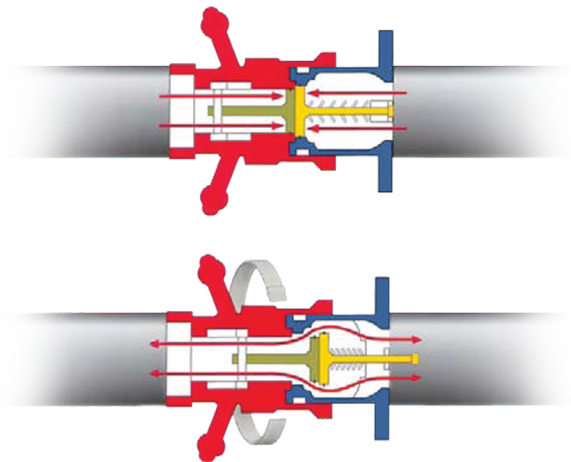
DRY BREAK COUPLINGS For safe fluid handling

FOR SAFE FLUID HANDLING

In sizes from 1" to 6" and a wide range of material options, Dry-Break@ couplings offer advanced fluid handling solutions for a diverse range of industries.

Major offshore exploration, chemical, pharmaceutical and petro chemical companies rely on Dry break couplings to safely transfer their most aggressive or valuable products.

Designed for safe and easy use with minimum operator intervention. Dry break couplings offer an unbeatable combination of technical, safety and performance features.



FEATURES

- Valves open and close automatically on connection and disconnection.
- Simple single action operation, no levers or switches to operate.
- Valves are guaranteed closed prior to disconnection.
- Minimal residual loss on disconnection (e.g. maximum 0.35cc for 2" DN50).
- Will connect and disconnect under pressure and flow where necessary.
- Extremely reliable, very few moving parts.
- Robust construction, no external operational components.
- Available with selectivity system to prevent cross contamination.
- Reduces spillages to virtually zero.
- Dramatically improves both operational and fugitive emission performance.
- Reduces the possibility of human error in transfer operations.
- Improves efficiency.

HOW IT WORKS

Turning the hose unit 15° clockwise locks the units together. The valves are still closed and are not opened until a further rotation of 90° has been performed and then the product flow is guaranteed. To close the valve and to unlock the units, reverse the procedure.



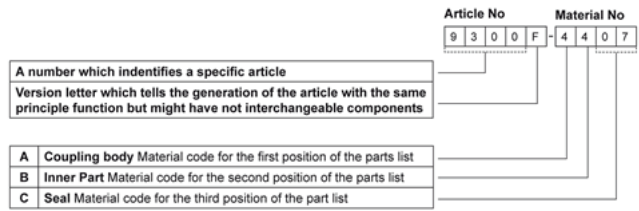
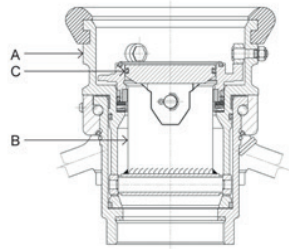
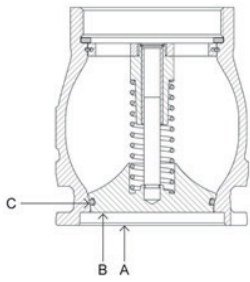
CERTIFICATES / APPROVALS

- Vd-TÜV type approval, mark TÜ.AGG.162-93 towards ADR, RID, IMDG and VDI-rules 2440, part 3.3.1.3.
- CE-marked, European directives 97/23/EC (PED) and 94/9/EC (ATEX) compliant.
- TDT approval, mark TDT-UW-30/09 towards ADR/RID in Poland.
- Manufactured under EN ISO 9001:2000.
- Certified towards ISO 14001:2004 and OHSAS 18001:2007.
- Manufactured towards EN 13480 and EN 13445.



DRY BREAK COUPLINGS ARE AVAILABLE WITH COLOR AND MECHANICAL CODING





Material A + B

1. Aluminium (Al)*
2. Gunmetal/Brass
3. Steel/Stahl/Stål (Carbon)
4. Stainless Steel (SS)*
5. Inconel
6. Titanium
7. Hastelloy
8. Ultimec

Material C

05. Nylon (PA)/Plastic
06. Nitrile (NBR)*
07. Viton® (FKM)*
08. EPDM*
09. Teflon® (PTFE)
10. Chloroprene (CR)
11. Silicon (Q)
12. Vulkollan® (PUR)
13. Butyl (IIR)
14. KALREZ® 6375 (PFPM)*
15. Felt
16. Natural rubber (NR)
17. Fluorosilicone rubber (FMVQ)*
18. PTFE-Encapsulated Viton (PTFE/FPM)
19. Hypalon® (CSM)
20. Leather
21. Klingerit
22. Cork
23. CHEMRAZ® 505*
24. Perflour®
25. Perfluorelastomer (FFKM)
26. Zetpoil / Therban (HNBR)
27. Special Viton (DF200)
28. Peroxide EPDM
29. CHEMRAZ® 585
30. Chlorinated self lubricating chloroprene (C70)
31. Zalak
32. Nitrile (NBR70 K-6)
33. Viton® GF
34. KALREZ® 2035 (PFPM)
35. LPGN70LC (NITRIL)
36. Nitrile (NBR 90) 90 SHORE*
37. Viton® (FKM 90)*
38. EPDM 90 SHORE
39. Viton® GF-LT
40. NBR/PVC
41. CHEMRAZ® 525
43. Viton® 500
45. TR Plast 240B
47. FDA approved FKM
48. FDA approved EPDM
49. CHEMRAZ® 510
53. CHEMRAZ® SD 505
54. KALREZ® 1050 LF (PFPM)
55. HNBR ELAST-O-LION 985 -40° 85 SHORE
57. Viton® B (Fame)
58. CHEMRAZ® 605
64. FDA approved KALREZ® 6230

*Standard

All trademarks used are properties of their respective owners.

Size		Unit Type		Connection Size		Connection Type				Temperature	
Variation	Code	Variation	Code	Variation	Code	Connection	Code	Variation	Code	Variation	code
1"	1	Tank Unit	0	0.5 Inch	A	BSP	A	Male	1	-20 to +80°C	
		Hose Unit	1	0.75 Inch	B			Female	2	-40 to +80°C	Z
2"	2	Tank Unit	0	1 Inch	C	NPT	B	Male	1	-10 to +230°C	Y
		Hose Unit	1	1.25 Inch	D			Female	2	-20 to +150°C	X
2.5"	2	Tank Unit	5	1.5 Inch	E	Class 150	C	Type A	1	-20 to +200°C	W
		Hose Unit	6	2 Inch	F			Type B	2	-20 to +250°C	V
3"	3	Tank Unit	0	2.5 Inch	G			Type E	3	-40 to +200°C	U
		Hose Unit	1	3 Inch	H			Type F	4		
4"	4	Tank Unit	0	4 Inch	J			Type CL	5		
		Hose Unit	1	6 Inch	K			Type CS	6		
6"	6	Tank Unit	0	Special	S			Type J	7		
		Hose Unit	1					Type DL	8		
								Type DS	9		
								Dovetail	10		
								Special	S		
						Class 300	D	Type A	1		
								Type B	2		
								Type E	3		
								Type F	4		
								Type CL	5		
								Type CS	6		
								Type J	7		
								Type DL	8		
								Type DS	9		
								Dovetail Groove	10		
								Special	S		
						PN10/16	E	Type A	1		
								Type B	2		
								Type C	3		
								Type D	4		
								Type E	5		
								Type F	6		
								Type G	7		
								Type H	8		
								Dovetail Groove	9		
								Type B21	10		
								Special	S		

DRY BREAK COUPLINGS TODO-MATIC

Sizes available: 1" – 6"

Seals: Wide range of seal material (53 listed).
Working pressure: Stainless Steel: 25 bar (dependent on flange type – if flanged)
Aluminium, Brass, Carbon Steel: 10 bar
2" Aluminium & Brass: 16 bar

End connections: BSP- and NPT-threads, DIN-, ASA-, TW- and TTMA-flanges (available for both tank and hose units).

Description: Without exception, the most compact, light weight, high flow self sealing coupling system available. Used extensively for offshore ship to rig transfers of fuels and drinking water, aviation fuel bunkering, rail tank loading / discharge, chemicals etc. Rapid, positive connection and disconnection make dry break couplings the standard for barge to ferry re-fuelling and multiple rail tank discharge.

Materials: Aluminium, gunmetal and stainless steel 316L, other on request.

Working Temp: -20 Deg C to +80 Deg C

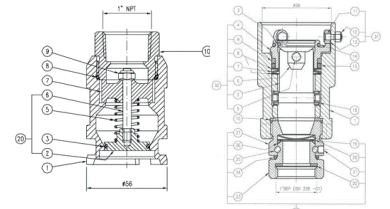
Test pressure: Working pressure +50%.

Safety factor: 5:1.



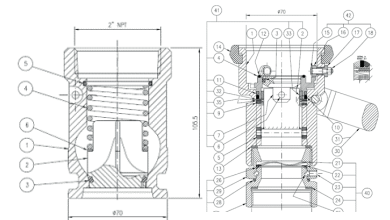
The 1" TODO-MATIC hose and tank unit are commonly used to transfer various chemicals on small containers to transport vehicles.

Optional extras: Handle
Plugs / Caps
Temperature range alterations



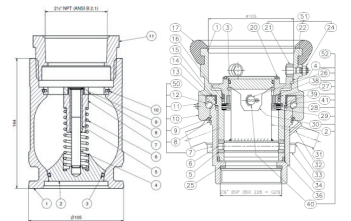
The 2" TODO-MATIC hose and tank unit are commonly used to transfer various chemicals on small containers to transport vehicles, and for vapour recovery lines.

Optional extras: Double Handle PEV (Tank Unit)
Locking mechanism Plugs / Caps
Magnetic Switch Rotational Block
Temperature range alterations



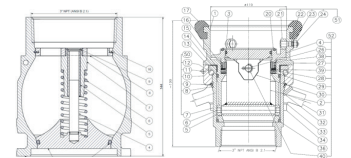
The 2.5" TODO-MATIC hose and tank unit are commonly used to transfer helicopter fuel.

Optional extras: Double Handle PEV (Tank Unit)
Locking mechanism Plugs / Caps
Magnetic Switch Rotational Block
Temperature range alterations



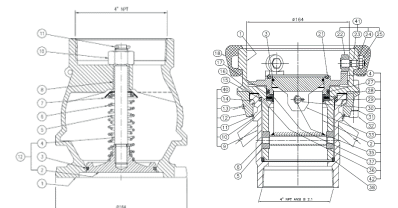
The 3" TODO-MATIC hose and tank unit are most frequently used by supply vessels delivering various liquids to oil platforms.

Optional extras: Double Handle PEV (Tank Unit)
Locking mechanism Plugs / Caps
Magnetic Switch Rotational Block
Temperature range alterations



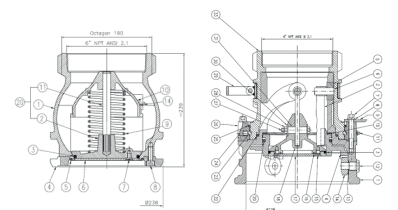
The 4" TODO-MATIC hose and tank unit are most frequently used by supply vessels delivering various liquids to oil platforms.

Optional extras: Circular Handles Locking mechanism
Plugs / Caps Magnetic Switch
Rotational Block
Temperature range alterations



The 6" TODO-MATIC hose and tank unit are most frequently used for bulk loading and unloading of various liquids

Optional extras: Plugs / Caps
Magnetic Switch
Temperature range alterations



APPLICATION EXAMPLES:

CHEMICAL



Bottom loading of Ethylene Oxide

OFFSHORE



3" Couplings on hose reels for loading supply vessels with various chemicals

LUBRICANT



In blending plants for a clean working environment. Selectivity options available to avoid cross-contamination.



Top loading of Acrylonitrile



4" Couplings on hose reels for loading supply vessels with Methanol, diesel, drilling mud.



TODO-GAS Dry Break couplings

The TODO-GAS Dry Break couplings are used for LPG applications. Nitrile seals only useable in applications where a 100% Propane / Butane mix is present – any contamination with Propylene will cause damage to the o-ring

- Sizes available: 1" – 3"
- Materials: Gunmetal/Brass, Stainless Steel
- Seal materials: NBR 90 Shore (36)
Viton 90 Shore (37)
FKM Vi 895 (51)
- Max working pressure: 25 bar (dependent on flange type – if fitted)



TODO-45 Aviation Couplings

Applications: Aviation and military refuelling
NOT FOR UNDERWING RE-FUELLING

- ISO 45
- Sizes available: 2.5"
- Materials: Aluminium Body, Stainless Steel Inner Parts
- Seal materials: NBR 70 Shore (06)
Viton 70 Shore (07)
FMVQ (17)
- Max working pressure: 10 bar



Pressure Tight Caps

- Sizes available: 2" – 4"
- Materials: Stainless Steel
- Wide range of seal materials
- Pressure tight to 25 bar
- Lockable
- Pressure indication valve present to show user when pressure has leaked into the cap.
- Applications: Any tank unit

DRY BREAK COUPLINGS TODO-MATIC

Standard Aluminium and Stainless steel part number

HOSE UNIT

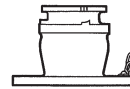
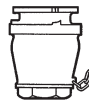
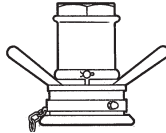
TANK UNIT, THREAD

TANK UNIT, FLANGE

DUST PLUG

DUST CAP

Connection

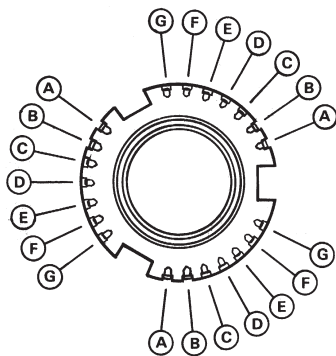


	Thread BSP Part No.	Thread NPSF Part No.	Thread BSP Part No.	Thread NPSF Part No.	150 lbs. ANSI B 16.5 Part No.	DIN 2632 PN 10/16 Part No.	Part No.	Part No.
1 1/2" (DN 40)	5005A-1XXX 9150G-44XX	7468A-1XXX 9151G-44XX	5001-11XX 5001A-44XX	7466-11XX 7466A-44XX	5025-11XX 5025E-44XX	5113-11XX 5113E-44XX	6075-10XX 6075A-40XX	6070-1XXX 6070A-44XX
2" (DN 50)	5006A-1XXX 9200G-44XX	7469A-1XXX 9201G-44XX	5002-11XX 5002E-44XX	7467-11XX 7467E-44XX	5109-11XX 5109E-44XX	5114-11XX 5114E-44XX	6075-10XX 6075A-40XX	6070-1XXX 6070A-44XX
2 1/2" (DN 65)	5332G-1XXX 9250G-44XX	7472G-1XXX 9251G-44XX	5331C-11XX 5331X-44XX	7470C-11XX 7470X-44XX	5306C-11XX 5306D-44XX	5329C-11XX 5329D-44XX	5436-10XX 5436-40XX	5435C-14XX 5435C-44XX
3" (DN 80)	5532F-1XXX 9300F-44XX	7475F-1XXX 9301F-44XX	5531C-11XX 5531X-44XX	7474C-11XX 7474X-44XX	5505C-11XX 5505D-44XX	5544C-11XX 5544D-44XX	5536-10XX 5536A-40XX	5535C-14XX 5535C-44XX
4" (DN 100)	5632H-1XXX 9400-44XX	7477H-1XXX 8892H-1XXX 8892F-44XX	5631-11XX 5830A-44XX	7476-11XX 7480A-44XX	5800D-44XX	5695-11XX 6600D-44XX	5636-10XX 5636-40XX	5635B-14XX 5635B-44XX
6" (DN 150)	7200-1XXX 7200E-44XX	7201-1XXX 7201E-44XX	7210-11XX 7210-44XX	7211-11XX 7211-44XX	7212-11XX 7212A-44XX	7212-11XX 7212A-44XX	7209-11XX 7209-44XX	4616A-44XX

SELECTIVITY:

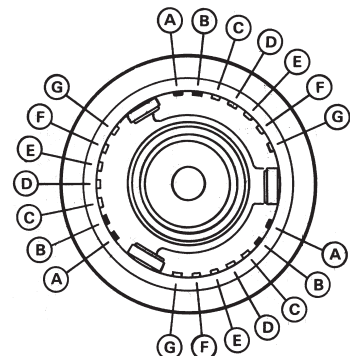
To avoid incorrect installation or product mix-up, selectivity is available on request.

SELECTIVE POSITION				1	2	3	4	5	6	7	8	
PEG AND SLOT POSITION				A & B	A & C	A & D	A & E	A & F	A & G	B & C	B & D	
9	10	11	12	13	14	15	16	17	18	19	20	21
B & E	B & F	B & G	C & D	C & E	C & F	C & G	D & E	D & F	D & G	E & F	E & G	F & G



TANK UNIT

SELECTIVE PIN AND SLOT POSITION



HOSE UNIT



