

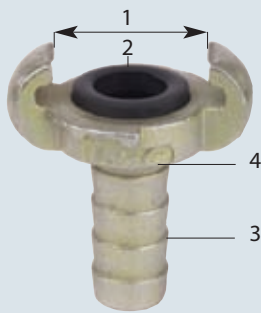
STANDARD

LMC's European air couplings are heavy-duty claw couplings manufactured in compliance with DIN 3489.

OPERATION

The claw distance is standardised to 42 mm. The couplings are pushed together and rotated to form a seal. Due to the lateral and angular shape of the seal an instant force is set, which prevent pressure loss due to vibration. The head of a European air coupling is identical and exchangeable with other European air-versions.

FEATURES



1. Claw distance: 42mm
2. LMC's EA couplings include a specially designed profiled NBR seal, the lateral and angular shape of which offers excellent compression properties.
Pressure is applied as soon as the coupling is connected.
3. The serrated shank ensures perfect rigidity when assembled with saddle and worm drive clamps.
4. The LMC-Couplings brand name is marked on the top of the coupling.

APPLICATION

For air and water applications.

N.B.: European air couplings should never be used for steam applications

WORKING PRESSURE

10 bar / 145 psi

TEMPERATURE

-30°C / -22°F up to 120°C / 248°F

Hose, coupling, assembly method and seal must be chosen in relation with the desired application and temperature range.

MATERIAL

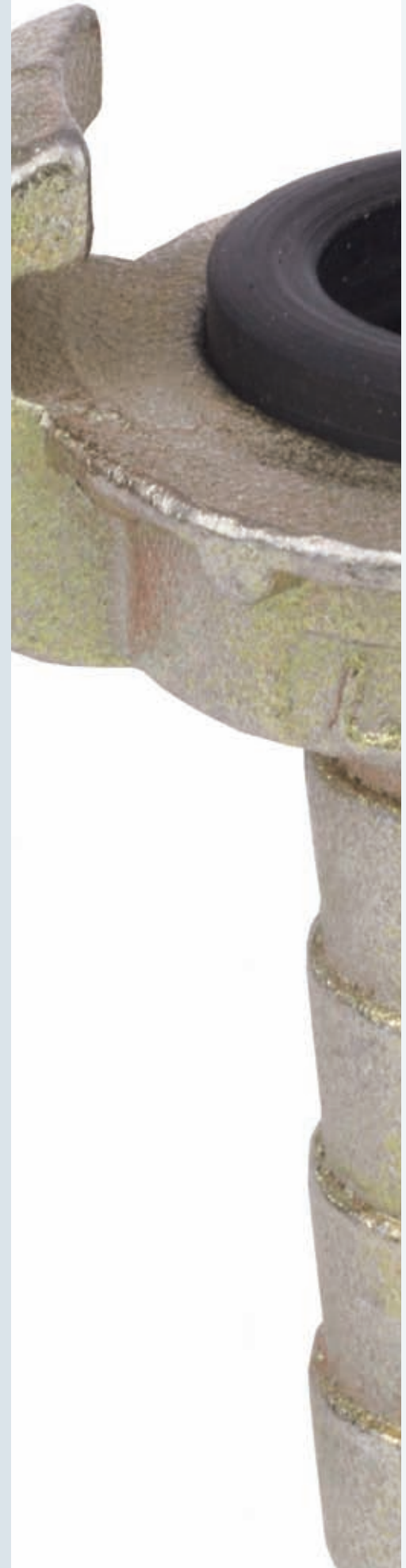
- Coupling
Galvanized steel
- Seal
NBR

ASSEMBLY

Two-bolt saddle clamps
Worm drive clamps

THREADS

Male thread: DIN 2999, BSPT (not complying with DIN 3489)
Female thread: DIN ISO 228-1, BSP



EUROPEAN AIR COUPLINGS



EA COUPLING MALE THREADED, DIN 3489 - VBA

ND	Inch	Thread DIN 2999	Material	Weight/pc Kg	Reference
6	1/4"	R 1/4	Galvanized steel	0.14	EAM006
10	3/8"	R 3/8	Galvanized steel	0.15	EAM010
15	1/2"	R 1/2	Galvanized steel	0.15	EAM013
20	3/4"	R 3/4	Galvanized steel	0.18	EAM019
25	1"	R 1	Galvanized steel	0.19	EAM025
32	1.1/4"	R 1 1/4	Galvanized steel	0.26	EAM032



Claw distance: 42 mm
 Working pressure: 10 bar / 145 Psi
 Profiled seal DIN 3489-D: NBR
 Male thread DIN 2999, BSPT (not complying with DIN 3489)

EA COUPLING FEMALE THREADED, DIN 3489 - VBI

ND	Inch	Thread DIN ISO 228-1	Material	Weight/pc Kg	Reference
6	1/4"	G 1/4	Galvanized steel	0.13	EAF006
10	3/8"	G 3/8	Galvanized steel	0.14	EAF010
15	1/2"	G 1/2	Galvanized steel	0.14	EAF013
20	3/4"	G 3/4	Galvanized steel	0.15	EAF019
25	1"	G 1	Galvanized steel	0.18	EAF025
32	1.1/4"	G 1 1/4	Galvanized steel	0.25	EAF032



Claw distance: 42 mm
 Working pressure: 10 bar / 145 Psi
 Profiled seal DIN 3489-D: NBR
 Female thread DIN ISO 228-1, BSP

EA COUPLING WITH SERRATED HOSE SHANK, DIN 3489 - VB1

ND	Inch	For hose mm	Material	Weight/pc Kg	Reference
10	3/8"	10.0	Galvanized steel	0.15	EAS010
13	1/2"	13.0	Galvanized steel	0.16	EAS013
16	5/8"	16.0	Galvanized steel	0.15	EAS016
19	3/4"	19.0	Galvanized steel	0.18	EAS019
25	1"	25.0	Galvanized steel	0.21	EAS025
32	1.1/4"	32.0	Galvanized steel	0.22	EAS032



Claw distance: 42 mm
 Working pressure: 10 bar / 145 Psi
 Profiled seal DIN 3489-D: NBR
 Assembly: two bolt saddle clamps, worm drive clamps

EUROPEAN AIR COUPLINGS



EA COUPLING WITH SERRATED HOSE SHANK AND COLLAR

ND	Inch	OD shank mm	Material	Weight/pc Kg	Reference
10	3/8"	10.0	Galvanized steel	0.13	EASK010
13	1/2"	13.0	Galvanized steel	0.19	EASK013
19	3/4"	19.0	Galvanized steel	0.20	EASK019
25	1"	25.0	Galvanized steel	0.22	EASK025



Claw distance: 42 mm
 Working pressure: 10 bar / 145 Psi
 Profiled seal DIN 3489-D: NBR standard
 Assembly: two bolt saddle clamps or worm drive clamps

EA COUPLING CAP, DIN 3489 - VB

Material	Weight/pc Kg	Reference
Galvanized steel	0.15	EAK



Claw distance: 42 mm
 Working pressure: 10 bar / 145 Psi
 Profiled seal DIN 3489-D: NBR standard

SEAL

PROFILED SEAL DIN 3489-D

Material	Colour	OD mm +0.1 / -0.2	ID mm	Height +0.2 / -0.1	Box pieces	Weight kg	Reference
NBR	black	34.0	20.0	11.0	50	0.006	EAX



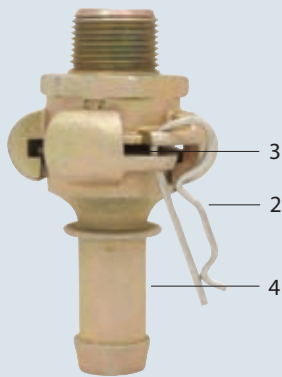
STANDARD

The safety version of LMC's European air couplings is similar to the European DIN 3489 standard for air couplings, but with the addition of a safety locking pin for extra security.

OPERATION

Similar to air couplings complying with the European DIN 3489 standard, the claw distance of European air safety couplings is standard 42 mm. Next to the claws of the safety European air coupling, a hole is provided. Both couplings are pushed together and rotated until the holes of both couplings are placed in opposite of each other. A safety pin is inserted in the holes and the connection is extra secured.

FEATURES



1. Claw distance: 42mm
2. Safety locking pin for additional security
3. LMC's EA couplings include a specially-designed profiled NBR seal, the lateral and angular shape of which offers excellent compression properties. Pressure is applied as soon as the coupling is connected, which prevents the connection from becoming loose as a result of vibration.
4. The hose shank ensures perfect rigidity when assembled with saddle and worm drive clamps .
5. The LMC-Couplings brand name is marked on the top of the coupling.

APPLICATION

For air and water applications
 N.B.: European air safety couplings should never be used for steam applications

WORKING PRESSURE

10 bar / 145 psi

MATERIAL

- Coupling
Galvanized steel
- Seal
NBR

TEMPERATURE

-30°C / -22°F up to 120°C / 248°F
 Hose, coupling, assembly method and seal must be chosen in relation with the desired application and temperature range.

ASSEMBLY

Two-bolt saddle clamps
 Worm drive clamps

THREADS

Male thread: DIN 2999, BSPT
 Female thread: DIN ISO 228-1, BSP



EUROPEAN AIR SAFETY COUPLINGS



EA SAFETY COUPLING MALE THREADED

ND	Inch	Thread DIN 2999	Material	Weight/pc Kg	Reference
10	3/8"	R 3/8	Galvanized steel	0.19	EAMS010
15	1/2"	R 1/2	Galvanized steel	0.23	EAMS013
20	3/4"	R 3/4	Galvanized steel	0.24	EAMS019
25	1"	R 1	Galvanized steel	0.25	EAMS025
32	1.1/4"	R 1 1/4	Galvanized steel	0.25	EAMS032



Claw distance: 42 mm
 Working pressure: 10 bar / 145 Psi
 Profiled seal DIN 3489-D: NBR
 Male thread DIN 2999, BSPT

EA SAFETY COUPLING FEMALE THREADED

ND	Inch	Thread DIN ISO 228-1	Material	Weight/pc Kg	Reference
10	3/8"	G 3/8	Galvanized steel	0.19	EAFS010
15	1/2"	G 1/2	Galvanized steel	0.19	EAFS013
20	3/4"	G 3/4	Galvanized steel	0.19	EAFS019
25	1"	G 1	Galvanized steel	0.23	EAFS025
32	1.1/4"	G 1 1/4	Galvanized steel	0.28	EAFS032



Claw distance: 42 mm
 Working pressure: 10 bar / 145 Psi
 Profiled seal DIN 3489-D: NBR
 Female thread DIN ISO 228-1, BSP

EA SAFETY COUPLING WITH SERRATED HOSE SHANK

ND	Inch	For hose mm	Material	Weight/pc Kg	Reference
10	3/8"	10.0	Galvanized steel	0.20	EASS010
13	1/2"	13.0	Galvanized steel	0.19	EASS013
19	3/4"	19.0	Galvanized steel	0.22	EASS019
25	1"	25.0	Galvanized steel	0.24	EASS025
32	1.1/4"	32.0	Galvanized steel	0.32	EASS032



Claw distance: 42mm
 Working pressure: 10 bar / 145 Psi
 Profiled seal DIN 3489-D: NBR
 Assembly: saddle and worm drive clamps

EUROPEAN AIR SAFETY COUPLINGS



EA SAFETY COUPLING CAP

Material	Weight/pc Kg	Reference
Galvanized steel	0.31	EAKS

Claw distance: 42mm
Working pressure: 10 bar / 145 Psi
Profiled seal DIN 3489-D: NBR



EA SAFETY COUPLING - 3 WAY CONNECTION

Material	Weight/pc Kg	Reference
Galvanized steel	0.61	EAYS

Claw distance: 42 mm
Working pressure: 10 bar / 145 Psi
Profiled seal DIN 3489-D: NBR



SAFETY CLIP

Material	Weight/pc Kg	Reference
Stainless steel AISI 304	0.018	VLBVR2
Galvanized steel	0.018	VLBVS2



SEAL

PROFILED SEAL DIN 3489-D

Material	Colour	OD mm +0.1 / -0.2	ID mm	Height +0.2 / -0.1	Box pieces	Weight kg	Reference
NBR	black	34.0	20.0	11.0	50	0.006	EAX

