

## 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 prevents 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: EN 10226-1 / DIN 2999, BSPT (not complying with DIN 3489)  
Female thread: EN ISO 228-1, BSP



**TUBORRACHIA**  
ACESSÓRIOS E EQUIPAMENTOS INDUSTRIAIS, LDA.

Contribuinte N.º 502 547 294  
Sociedade, por Quotas - Capital Social 49.880 Euros  
Registado na C. R. C. de Loures sob o N.º 08511

**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 EN 10226-1 / DIN 2999, BSPT (not complying with DIN 3489)

**EA COUPLING FEMALE THREADED, DIN 3489 - VBI**

ND	Inch	Thread EN 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 EN 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



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**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



**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 EN 10226-1 / DIN 2999, BSPT

**EA SAFETY COUPLING FEMALE THREADED**

ND	Inch	Thread EN 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 EN 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



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**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	VLBV52



**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



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