

## STANDARD

LMC's 'GK' couplings are symmetric quick couplings designed for agricultural, gardening, construction and public service applications.

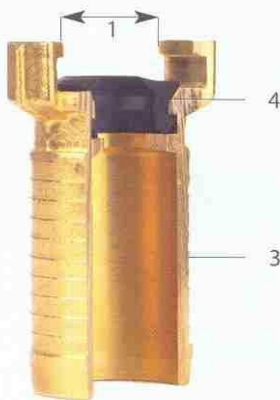
## OPERATION

'GK' couplings are connected by pushing and rotating the two couplings together. The claw distance is a 40 mm and therefore interchangeable between all dimensions from DN 10 to DN 38.

'GK' couplings are not interchangeable with Express couplings complying with NF E 29.573 and European air couplings complying with DIN 3489.

N.B.: Due to the wide range of 'GK'-type seals, 'GK' couplings can not always be connected with those of other manufacturers.

## FEATURES



1. Claw distance 40 mm
2. Easily connected and disconnected coupling
3. The serrated shank ensures perfect rigidity when assembled with worm drive clamps or low pressure ferrules
4. The high mechanical strength of 'GK' claws ensures longer working life
5. Hot drop forged chrome-treated brass Ms58

## APPLICATION

For agricultural, gardening, construction and public service applications.

## WORKING PRESSURE

20 bar / 290 psi

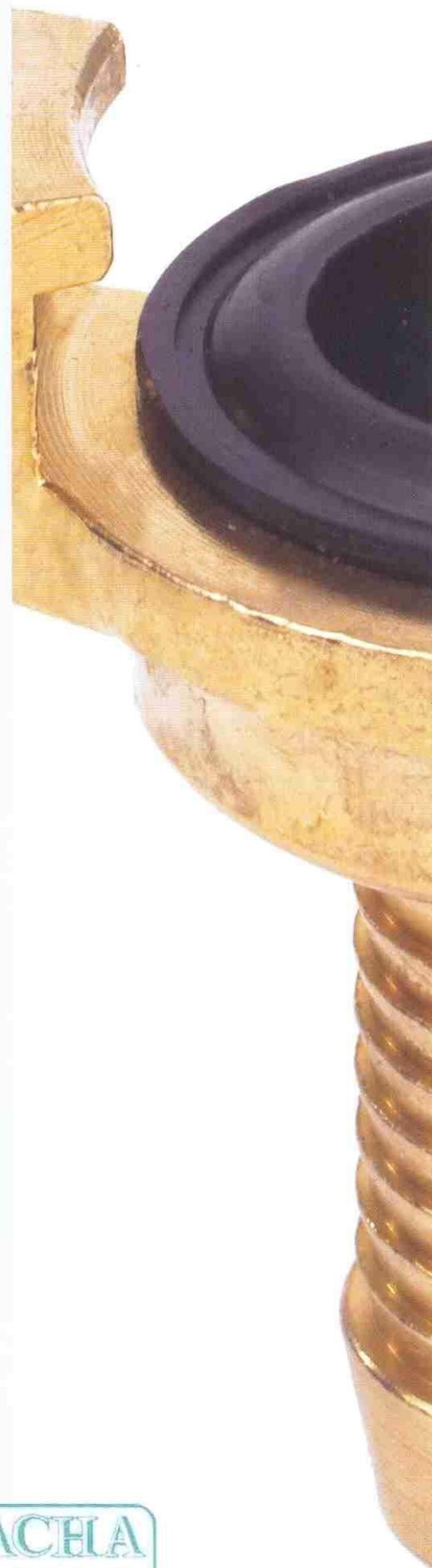
## TEMPERATURE

-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  
Brass 2.0401 - Ms 58 hot forged
- Seal  
NBR standard  
FPM on request



## ASSEMBLY

Worm drive clamps  
Low pressure ferrules

## THREADS

Male thread: EN ISO 228-1, BSP  
Female thread: EN ISO 228-1, BSP

## TESTING

LMC-Couplings 'GK' couplings are subject to a number of quality tests. The mechanical structure, chemical composition, seal compression set and claw strength are all important product properties for high-quality couplings.

### ■ Impact testing of 'GK'-claws

In addition to being manufactured from the right material quality (brass 2.0401 – Ms 58) using the right production method (hot drop forged), the claws of LMC's 'GK' couplings are tested for mechanical strength by means of an impact test. Above the accepted pressure limit, 'GK' coupling claws may distort, although this is impossible under normal working conditions when both parts of the 'GK' coupling are connected. However, 'GK' claws are often dropped by operators, which can result in fractures or even claw breakage. Following impact testing, LMC's 'GK' coupling claws show no sign of fracture or breakage. LMC-Couplings 'GK' couplings are manufactured from the right quality of material, have the right mechanical structure and are produced using the right production method.



Deformed 'GK'-claws



Not deformed 'GK'-claws



**'GK' COUPLING MALE THREADED**

ND	Inch	Thread EN ISO 228-1	Material	Weight/pc Kg	Reference
10	3/8"	G 3/8	Brass Ms 58	0.07	GKM010
15	1/2"	G 1/2	Brass Ms 58	0.07	GKM013
20	3/4"	G 3/4	Brass Ms 58	0.07	GKM019
25	1"	G 1	Brass Ms 58	0.08	GKM025
32	1.1/4"	G 1.1/4	Brass Ms 58	0.10	GKM032
40	1.1/2"	G 1.1/2	Brass Ms 58	0.14	GKM038



Claw distance: 40 mm  
 Working pressure: 20 bar / 290 psi  
 Profiled seal: NBR standard  
 Male thread: EN ISO 228-1, BSP

**'GK' COUPLING FEMALE THREADED**

ND	Inch	Thread EN ISO 228-1	Material	Weight/pc Kg	Reference
10	3/8"	G 3/8	Brass Ms 58	0.07	GKF010
15	1/2"	G 1/2	Brass Ms 58	0.07	GKF013
20	3/4"	G 3/4	Brass Ms 58	0.08	GKF019
25	1"	G 1	Brass Ms 58	0.08	GKF025
32	1.1/4"	G 1.1/4	Brass Ms 58	0.11	GKF032
40	1.1/2"	G 1.1/2	Brass Ms 58	0.13	GKF038



Claw distance: 40 mm  
 Working pressure: 20 bar / 290 psi  
 Seal: coupling side NBR standard  
 thread side SBR  
 Female thread: EN ISO 228-1, BSP

**'GK' COUPLING WITH SERRATED HOSE SHANK**

ND	Inch	For hose mm	Material	Weight/pc Kg	Reference
10	3/8"	10	Brass Ms 58	0.07	GKS010
13	1/2"	13	Brass Ms 58	0.07	GKS013
16	5/8"	16	Brass Ms 58	0.08	GKS016
19	3/4"	19	Brass Ms 58	0.08	GKS019
25	1"	25	Brass Ms 58	0.10	GKS025
32	1.1/4"	32	Brass Ms 58	0.14	GKS032
38	1.1/2"	38	Brass Ms 58	0.18	GKS038



Claw distance: 40 mm  
 Working pressure: 20 bar / 290 psi  
 Profiled seal: NBR standard  
 Assembly: worm drive clamps or low pressure ferrules

**'GK' COUPLING CAP**

Material	Weight/pc Kg	Reference
Brass	0.09	GKK



Claw distance: 40 mm  
 Working pressure: 20 bar / 290 psi  
 Profiled seal: NBR standard  
 Cap without chain

**SEAL**

**PROFILED SEAL**

Material	Colour	OD Ø mm	ID Ø mm	Height mm	Box pieces	Weight kg	Reference
NBR	black	35.0	24.0	12.0	50	0.005	GKXB
FPM	green	35.0	24.0	12.0	50	0.009	GKXV

