

# INDUSTRIAL FITTINGS - quick release couplings

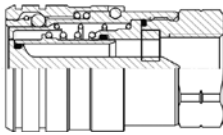
## GROMELLE couplings

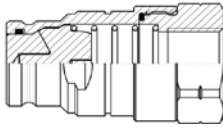


### MLDB (1/4" ÷ 1")

- Standard:** Manufacturer's standard  
**Applications:** Industrial (water, steam, fuel and oil, gas, chemicals)  
**Working press.:** Up to 25 bar (safety factor 4:1)  
**Material:** Special stainless steel AISI 316L  
**Seal:** Viton (from -20°C up to +200°C) - standard  
 EPDM (from -40°C up to +150°C) - standard  
**Advantages:** Kalrez (from -20°C up to +327°C) - option  
 Dry brake, made of the highest quality steel

Dry brake quick release couplings of a "flat face" type made of the highest purity steel (VIM-VAR vacuum casting). They feature very low air inclusion. Used mainly in industrial applications where cleanliness is crucial (nuclear, food, pharmaceutical industry, semiconductors manufacturing, perfumes). One hand operation. A safety ferrule lock prevents accidental disconnection. Easy service - the design allows easy cleaning and replacement of seals.

Socket	size [inch]	female thread [inch]	code	
			sockets (Viton seal)	sockets (EPDM seal)
	1/4	1/4 BSP	GR-ML2DB-S25FBS-V	GR-ML2DB-S25FBS-E
		1/4 NPT	GR-ML2DB-S25F-V	GR-ML2DB-S25F-E
	1/2	1/2 BSP	GR-ML4DB-S50FBS-V	GR-ML4DB-S50FBS-E
		1/2 NPT	GR-ML4DB-S50F-V	GR-ML4DB-S50F-E
	3/4	3/4 BSP	GR-ML6DB-S75FBS-V	GR-ML6DB-S75FBS-E
		3/4 NPT	GR-ML6DB-S75F-V	GR-ML6DB-S75F-E
	1	1 BSP	GR-ML8DB-S100FBS-V	GR-ML8DB-S100FBS-E
		1 NPT	GR-ML8DB-S100F-V	GR-ML8DB-S100F-E

Plug	size [inch]	female thread [inch]	code	
			plug (Viton seal)	plug (EPDM seal)
	1/4	1/4 BSP	GR-ML2DB-P25FBS-V	GR-ML2DB-P25FBS-E
		1/4 NPT	GR-ML2DB-P25F-V	GR-ML2DB-P25F-E
	1/2	1/2 BSP	GR-ML4DB-P50FBS-V	GR-ML4DB-P50FBS-E
		1/2 NPT	GR-ML4DB-P50F-V	GR-ML4DB-P50F-E
	3/4	3/4 BSP	GR-ML6DB-P75FBS-V	GR-ML6DB-P75FBS-E
		3/4 NPT	GR-ML6DB-P75F-V	GR-ML6DB-P75F-E
	1	1 BSP	GR-ML8DB-P100FBS-V	GR-ML8DB-P100FBS-E
		1 NPT	GR-ML8DB-P100F-V	GR-ML8DB-P100F-E

### Sealings sets

size [inch]	code of socket seal		code of plug seal	
	Viton	EPDM	Viton	EPDM
1/4	GR-ML2DB-SG-V	GR-ML2DB-SG-E	GR-ML2DB-PG-V	GR-ML2DB-PG-E
1/2	GR-ML4DB-SG-V	GR-ML4DB-SG-E	GR-ML4DB-PG-V	GR-ML4DB-PG-E
3/4	GR-ML6DB-SG-V	GR-ML6DB-SG-E	GR-ML6DB-PG-V	GR-ML6DB-PG-E
1	GR-ML8DB-SG-V	GR-ML8DB-SG-E	GR-ML8DB-PG-V	GR-ML8DB-PG-E

### Working parameters

size [inch]	working pressure [bar]	flow at Δp = 3 bar [l/min]	air inclusion [ml]
1/4	25	27	0.002
1/2	25	140	0.012
3/4	25	218	0.03
1	25	393	0.15