

**FGRS Universal and
FRS-L Universal.**



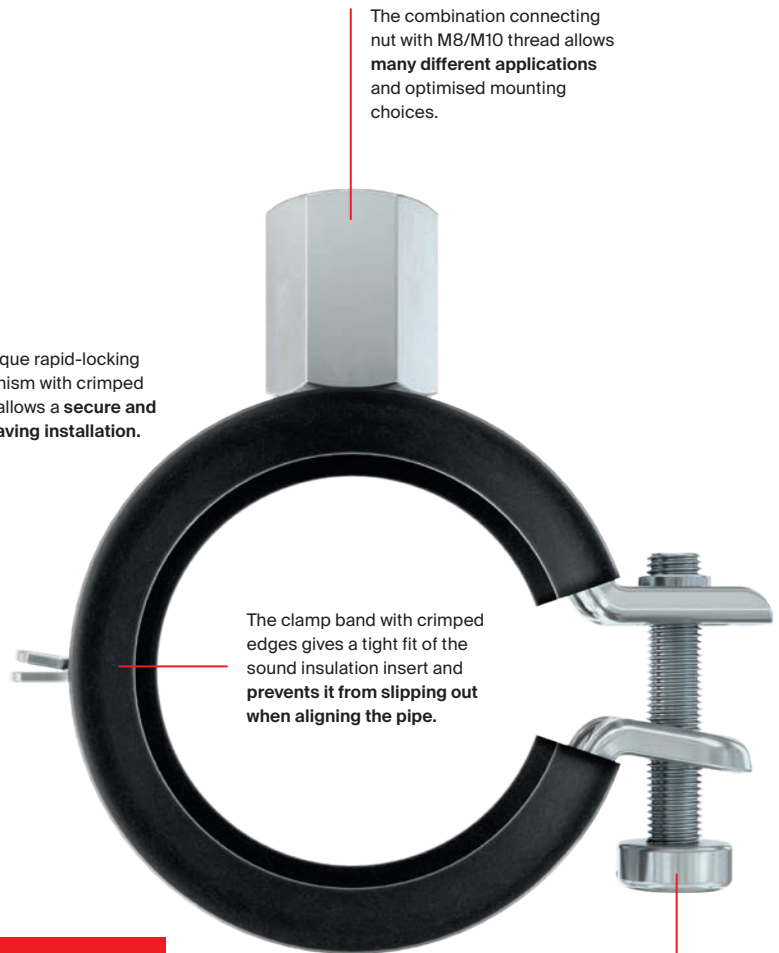
FGRS Universal.

The hinged pipe clamp with the convenient and secure quick-release fastener.



The slotted Torx socket allows flexibility during the installation process.

The unique rapid-locking mechanism with crimped edges allows a secure and time-saving installation.



The combination connecting nut with M8/M10 thread allows many different applications and optimised mounting choices.

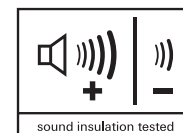
The clamp band with crimped edges gives a tight fit of the sound insulation insert and prevents it from slipping out when aligning the pipe.

Combi-Trox-slot-drive enhances flexibility during installation.

Your advantages at a glance

- The sound insulation report guarantees objectively tested functional safety.
- The complete and gapless diameter clamping range allows the fastening of any pipe size until 66 mm.
- The rapid-locking mechanism allows a fast and time-saving installation.
- The clamp band with crimped edges combines the advantages high loads with compact design.
- The compact construction of the pipe clamp enables a simple post-installation insulation.

Approvals





Application, assortment and loads.

Application



Time-saving installation of pipelines until 2" / 4 " with threaded rods and hanger bolts

Assortment

FGRS Universal NEW		FGRS Plus outdated assortment	
 FGRS Universal		 FGRS Plus	
Item	Art.-No.	Item	Art.-No.
FGRS 12-15 M8 Universal	562340	FGRS PLUS 12-14 HINGED PIPE CLAMP	79400
FGRS 16-19 M8 Universal	562341	FGRS PLUS 15-19 HINGED PIPE CLAMP	79401
FGRS 20-24 M8 Universal	562342	FGRS PLUS 20-24 HINGED PIPE CLAMP	79402
FGRS 25-30 M8 Universal	562343	FGRS PLUS 25-30 HINGED PIPE CLAMP	79403
FGRS 31-37 M8 Universal	562344	FGRS PLUS 32-37 HINGED PIPE CLAMP	79404
FGRS 38-45 M8 Universal	562345	FGRS PLUS 40-44 HINGED PIPE CLAMP	79405
FGRS 46-52 M8 Universal	562346	FGRS PLUS 45-50 HINGED PIPE CLAMP	79406
FGRS 53-59 M8 Universal	562347	FGRS PLUS 50-55 HINGED PIPE CLAMP	79407
FGRS 60-66 M8 Universal	562348	FGRS PLUS 56-63 HINGED PIPE CLAMP	79408
FGRS 12-15 M8/M10 Universal	562349	FGRS PLUS 12-14 M8/M10 HINGED PIPE CLAMP	79430
FGRS 16-19 M8/M10 Universal	562350	FGRS PLUS 15-19 M8/M10 HINGED PIPE CLAMP	79431
FGRS 20-24 M8/M10 Universal	562351	FGRS PLUS 20-24 M8/M10 HINGED PIPE CLAMP	79432
FGRS 25-30 M8/M10 Universal	562352	FGRS PLUS 25-30 M8/M10 HINGED PIPE CLAMP	79433
FGRS 31-37 M8/M10 Universal	562353	FGRS PLUS 32-37 M8/M10 HINGED PIPE CLAMP	79434
FGRS 38-45 M8/M10 Universal	562354	FGRS PLUS 40-44 M8/M10 HINGED PIPE CLAMP	79435
FGRS 46-52 M8/M10 Universal	562355	FGRS PLUS 45-50 M8/M10 HINGED PIPE CLAMP	79436
FGRS 53-59 M8/M10 Universal	562356	FGRS PLUS 50-55 M8/M10 HINGED PIPE CLAMP	79437
FGRS 60-66 M8/M10 Universal	562357	FGRS PLUS 56-63 M8/M10 HINGED PIPE CLAMP	79438
FGRS 73-80 M8/M10 Universal	562456	FRS PLUS 72-80 PIPE CLAMP	79451
FGRS 83-90 M8/M10 Universal	562457	FRS PLUS 87-92 PIPE CLAMP	79453
FGRS 95-102 M8/M10 Universal	562458	FRS PLUS 95-103 PIPE CLAMP	79454
FGRS 108-115 M8/M10 Universal	562459	FRS PLUS 108-116 PIPE CLAMP	79455

Loads

FGRS Universal NEW		FGRS Plus outdated assortment	
Item	Loads [kN]	Item	Loads [kN]
FGRS Universal 12-37 mm	0,70	FGRS Plus 12-37 mm	0,65
FGRS Universal 38-66 mm	1,00	FGRS Plus 40-63 mm	0,90
FGRS Universal 73-115 mm	1,50	-	-

FRS-L Universal.

The light two-screw pipe clamp with a rapid locking mechanism and combination connection nut.



The connecting nut with combination thread M8/M10 enables an optimised warehousing.

The clamp band with crimped edges gives a tight fit of the sound insulation insert and prevents it from slipping out when aligning the pipe.

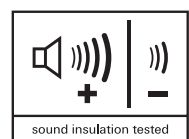
The unique rapid-locking mechanism with crimped edges allows a secure and time-saving installation.

From 2022 new:
Combi-Torx-Slot-drive
enhances flexibility during
installation.

Your advantages at a glance

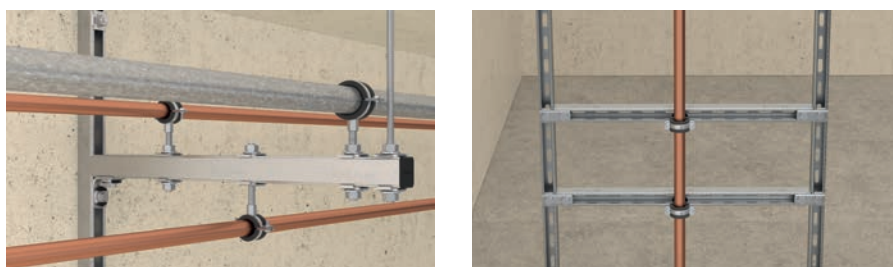
- The fire inspection report and the sound insulation report guarantee objectively tested functional safety.
- The complete and gapless diameter clamping range allows the fastening of any pipe size until 172 mm.
- The screw's loss protection guarantees an easy installation.

Approvals





Application, assortment and loads.

Application



Time-saving installation of pipelines until 2" / 4 " with threaded rods and hanger bolts

Assortment

FRS-L Universal NEW		FRS Plus outdated assortment	
			
FRS-L Universal		FRS Plus	
Item	Art.-No.	Item	Art.-No.
FRS-L 8-11 M8/M10	539443	-	-
FRS-L 12-15 M8/M10	539444	FRS PLUS 12-15	79440
FRS-L 16-19 M8/M10	539445	FRS PLUS 15-19	79441
FRS-L 20-24 M8/M10	539446	FRS PLUS 20-24	79442
FRS-L 25-30 M8/M10	539447	FRS PLUS 25-30	79443
FRS-L 31-37 M8/M10	539448	FRS PLUS 32-37	79444
FRS-L 38-45 M8/M10	539449	FRS PLUS 40-45	79445
FRS-L 46-52 M8/M10	539450	FRS PLUS 48-54	79446
FRS-L 53-59 M8/M10	539451	FRS PLUS 55-61	79447
FRS-L 60-66 M8/M10	539452	FRS PLUS 63-67	79449
FRS-L 67-75 M8/M10	539453	FRS PLUS 68-73	79450
FRS-L 76-84 M8/M10	539454	FRS PLUS 72-80	79451
FRS-L 85-93 M8/M10	539455	FRS PLUS 80-86	79452
FRS-L 94-100 M8/M10	539456	FRS PLUS 89-92	79453
FRS-L 101-110 M8/M10	539457	FRS PLUS 95-103	79454
FRS-L 110-119 M8/M10	539459	FRS PLUS 108-116	79455

More articles and sizes until diameter 172 mm will follow.

Loads

FRS-L Universal NEW		FRS Plus outdated assortment	
Item	Loads in advance [kN]	Item	Loads [kN]
FRS-L Universal 8-37 mm	0,98**	FRS Plus 12-37 mm	0,80
FRS-L Universal 38-66 mm	1,14**	FRS Plus 40-67 mm	1,00
FRS-L Universal 67-119 mm	1,69**	FRS Plus 68-116 mm	1,80
FRS-L Universal 120-172 mm	2,39**	-	-

** Loads checked by RAL, deflection of the pipe band considered.

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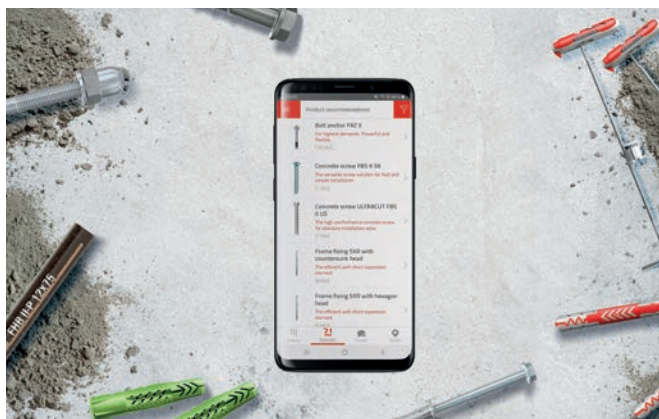
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