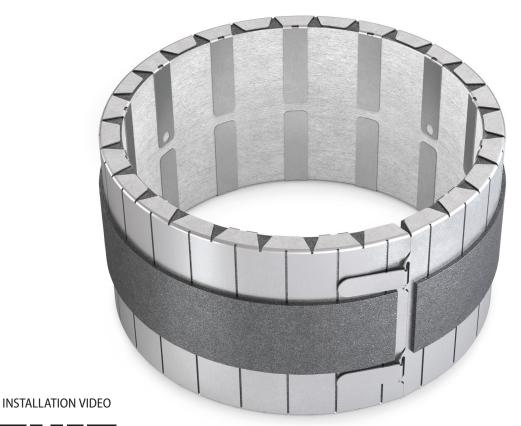
MG-U

Cast-in fire resistant U/U collar.





www.rft.eu/VIDEO-MG-U

C E 0749



Table of content

Table of content

Declaration of performance	3
Product presentation MG-U	4
Range and dimensions MG-U	5
Storage and handling	5
Installation	5
Installation in rigid wall and in flexible wall (metal stud gypsum plasterboard wall), without screws	6
Installation in rigid wall and in flexible wall (metal stud gypsum plasterboard wall), with screws	8
Installation in rigid floor, without screws	10
Installation in rigid floor, with screws	11
Weights	12
Approvals and certificates	12

Explanation of the abbreviations and pictograms

 $d = pipe \; diameter \; (outside \; diameter) \;$

E = integrity

I = thermal insulation GKB (type A) / GKF (type F): "GKB" stands for standard plasterboards (type A according to EN 520) while "GKF" plasterboards offer a higher fire resistance for a similar plate thickness (type F according to EN 520)

	fast and easy installation (sealing with classic, non fire resistant PUR foam)	*	water- and frost-resistant
PE	suitable for PE-HD pipes according to EN 1519-1, EN 12666-1 or EN 12201-2 and for ABS pipes according to EN 1455-1	PVC	suitable for PVC-U pipes according to EN 1329-1, EN 1453-1 or EN 1452-1 and for PVC-C pipes according to EN 1566-1
V/U	installation U/U, U/C, C/C, C/U (uncapped-uncapped, uncapped-capped, capped-capped).	30%	aesthetic solution
PP	suitable for PP pipes according to EN 1451-1		suitable for built-in installation

DECLARATION OF PERFORMANCE

CE_Dop_Rf-t_M5_EN = C-01/05/2024

Marie di concele 2 100-10 Avanda concele	ody; certificate of co	ropean Assessment Document; nonstancy of performance:	otified body / European T	echnical Assessment, Technica	al Assessment Body, noti-	EAD 350454-00-1104,ETA 21/	0375; UBAtc asbl; BCCA with ide	ntification number 0749; BCCA-07	49-CPR-BC1-262-464-026-2.05-2	517
Text	ed performance ac				(fire resistance according to E	N 1366-3, classification accordin	g to EN 13501-2)	Performance	
## Acception of 100 - 4 **Property of the company			Sealing PUR foam	Type of pipe	Material pipe	Installation A & B	Pipe diameter (mn	n) Pipe wall thickness		
## Are and concrete 100 - 2 Part All							80	1,8-5,3		
Part							100	2,0-5,3		
Residuance 100 c 200 c							125	2,4-7,7		
Manufactorous 150 - 2					PE, ABS	A & B	160	3.2-7.7	El 120 U/U (1)	-
## Accordionnes > 150 rs ## Accordionnes > 150							80	2,4-6,6		
Property							100	2,6-6,6		
## A 12-0 1-14 1-1 0 1-15 1-15 1-15 1-15 1-15 1-15 1-1							140	4,1-9,5		
Autorical concrete = 100 - c ATR lives					PP	A	160 32-40	5,0-9,5 1,8	EI 90 U/U (1)	-
Maintaining growner PVC A B 1,255 1,245 1,000 1,							56	2,2		
Maintaining growner PVC A B 1,255 1,245 1,000 1,							63 75	3,0		
Part							80	3.1	EI 120 U/U (2) EI 90 U/U ⁽¹⁾	_
Anatoli concrete x 100 ms Anatoli concrete x 10							100	3,2 3,2		
Acetacl concente 2-100 - 2 Annual Comm Acetacl Concente 2-100 - 2 Annual Comm Acetacl Concente 2-100 - 2 Acet							125	3,9		
Aborated concrete 2-100 E PAM flows PE AIRS Aborated documents 2-100 E PAM flows PE AIRS B 12275 124-56 10 10 10 124-56 11 10 10 124-56 11 1							160	4,1-9,5	FLADOUALD	_
Metal stude gepurn relateshoord Typer (IM-1200) AVR beam Averaged converte a 150 mm Averaged co		Aerated concrete ≥ 100 - ≤	PUR foam	standard	PVC	В	32-75	2,3-4,5	EI 120 U/U (1)	_
PR. ABS B 10.2 2.5 d.6 2.5 d.6 10.2 2.5 d.6		200 mm					90	2,5-6,6		
PEABS B 100							110	2,7-6,6		
PF. ABS 9 12-27 12-45 0 0 100 110 12-26-6 1 100 12-26-6 1 12-26-6							140	4,1-9,5		
Metal stude gapuan PUR foam Standard PVC A 6 8 32-75 14-36-6 10-32-77					PE, ABS	В	32-75	2,3-4,5	EI 120 U/U (1)	_
PP B 12-66 12-66 13-65 14-55 14-							90	2,5-6,6		
Medial stucks gypoum PAR from Standard PVC A & B 32-75 18-16 100 12-23 100 12-23 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 1							110	2,7-6,6		
Pr							140	4,1-9,5		
Metal stuck gypourn PRE Sum Standard PVC A & B 122 13.1 10.0 13.1					PP	В	32-40	1,8	El 90 U/U (1)	_
Metal study gynour PUR Foam Standard PVC A & B 32-75 18-36 18-53 18-36 19-							56	2,2		
Metal stude gypoum planterboard type r EM 520) PR feam Standard PVC A & B 3.2 / 5.5 / 1.5							75	3,0		
Metal studie gypsum plasterboard Type F (EM 520) PUR foam Standard PVC A & B 22.75 19.36 B 80 1.65.3 B 10.0							90	3,2		
Ned Study pysous 160 43 43 160 43 43 160 43 43 160 43 43 160 43 43 160							110	3,3		
Aerated concrete ≥ 150 mm PUR foam							140	4,3		
≥ 100 mm	all	Metal studs gypsum	PUR foam	standard	PVC	A & B	32-75	1,8-3,6	EI 120 U/U (1)	_
A 110 22-53 A 112 24-77 B A 112 24-77 B A 113 22-77 B A 110 22-77 B A 110 22-77 B A 110 22-77 B B 22-75 23-45 B 90 24-66 B 90 24-66 B 100 26-66 B 100 26-66 B 100 26-66 B 100 24-66 B 100 32 B 100 49 B 100 49 B 100 26-63 B 100 26-63 B 100 26-63 B 100 26-63 B 100 26-66 B 200 21 200		≥ 100 mm					90	1,9-5,3		
PE, ABS							110	2,2-5,3	EI 120 U/U (1)	
PE, ABS A & B 22-75 22-46-6 80 24-66-6 90 25-66 110 26-66 110 27-66-6 125 37-5 30-30						r	140	2,7-7,7	1200/0**	
Pure					PE, ABS	A & B	32-75	2,3-4,5	EI 120 U/U (1)	Τ
A 110 27-66 A 125 34-95 140 41-95 160 55-95 160 55-95 160 55-95 160 55-95 160 55-95 175 30 18 25 19 32 100 33 100 33 110 34 120 33 110 34 120 33 110 34 120 33 140 49 E 160 49 E 185 30 185 30 185 30 185 30 185 30 185 30 185 30 19 19-53 100 20-53 110 22-53 110 22-53 110 22-55 125 24-47 140 27-77 140 27-77 150 27-66 100 26-66 100 35-95 10							90	2,5-6,6		
PP A 22-40 118 B B B 50 2.1 1 56 2.2 63 2.5 75 1.3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0						A	110 125	2,7-6,6 3,4-9,5		
PP A 32-40 1.8 □ 1.8 □ 1.8 □ 1.8 □ 2.1 □ 2.1 □										
63 2.5 75 3.0 8 80 3.1 61 90 3.2 100 3.4 110 3.4 110 3.4 110 3.4 110 4.3 110 4.3 160 4.9 8 160 4.9 8 160 4.9 8 18.53 100 2.653 110 2.255 110 2.255 110 2.255 123 3.495 140 3.277 150 3.27					PP	A	50	1,8 2,1	EI 90 U/U (1)	
Pure							63	2,5		
90 3.2 100 3.3 110 3.4 125 3.9 146 4.9 150 4.9 E 160 4.9 E 160 4.9 E 180 185.3 190 195.3 100 2.05.3 110 2.25.3 110 2.25.3 110 2.25.3 125 2.4.7.7 140 2.7.7.7 140 2.7.7.7 140 2.7.7.5 150 3.7.5 E 150 3.6.6 160 3.5.7.5 E 170 2.6.6 170 2.6.6 170 2.6.6 170 2.6.6 170 2.6.6 170 3.7.5 180 3.7.5							75	3,0	El 120 U/U (2)	_
110 3.4 125 3.9 140 4.3 160 4.9 E 170 4.9 E 180 4.9							90	3,2	EI 90 U/U ⁽¹⁾	
Aerated concrete ≥ 150 mm							110	3,4		
Aerated concrete ≥ 150 mm PUR foam standard PVC A & B 32.75 18.83 6 E 80 18.53 90 19.53 100 2.05.3 110 2.05.3 110 2.05.3 125 2.47.7 110 2.25.53 125 2.47.7 160 3.27.77 160 3.27.77 160 3.27.77 160 3.27.75 125 2.46.6 100 2.26.66 110 2.2							140	4,3		
B0		Acested	DUD francis	ator 1 - 1	mec	4.0.0	160	4,9	El 120 U/U (2)	_
100		Aerated concrete ≥ 150 mm	PUR foam	standard	PVC	A & B	80	1,8-5,3	EI 120 U/U (1)	
125 2,4-7,7							100	2,0-5,3		
PE, ABS A & B 32-75 23-45 B0 24-66 90 25-66 1100 26-66 1100 26-66 125 34-95 140 150 160 175 180 180 180 180 180 180 180 18							125	2,4-7,7		
80					DE ADE	1400	160	3,2-7,7	FLADO LIAUM	
100					PE, ABS	A&B	80	2,4-6,6	EI 120 U/U (1)	
PP A 6.8 32-40 118 E 50 2.5 75 3.0 80 3.1							100	2,6-6,6		
PP A & B 32-40 1,8 El 50 2,1 56 3 2,5 75 3,0 80 3,1							125	3,4-9,5		
50					DD.	A S. P.	160	5,0-9,5	EI 120 U/U (1)	_
63 2,5 75 3,0 80 3,1					rr	M a B	50	2,1	EI 120 U/U ···	
80 3,1							63	2,5		
190 13.2							80	3,1		
100 3,3							100	3,3		
Type of installation: built-in, U/U, U/C, C/C, C/U. Mounting with or U/U U/C, C/C, C/U. Mounting with O/U/C, C/U. Mounting	Type of installation	on: built-in, U/U,	1		tallation: built-in, U/U,		110	1 3/4	1	-

IIIIs de	cialation of performance is issued, in accordance	with negalation (EO) NO	303/2011, under the sole responsibility of the manufacture	idelidiled above.
	Installation method	Diameter pipe	Dimension hole wall	Dimension hole floor
		32-75	Min d+27	
	Manager and a second and	32-73	Max d+50	d+50
A	Mounting with screws required	80-110	Min d+36	G+50
		00-110	Max d+50	
		125-160	Min d+40	
В	Mounting without screws	123-100	Max d+50	d+50
		32-160	d+50	





d = Nominal diameter, diameter of the plastic pipe

Product presentation MG-U

Product presentation MG-U

The fire resistant collar MG-U is suitable for installation around ventilated (vented) and non-ventilated plastic pipes (PVC, (HD)PE, PP, ABS, SAN+PVC). It has been tested according to EN 1366-3 and is fire resistant up to 120 minutes in rigid and flexible walls and in rigid floors. Only 1 collar is required per fire compartment wall or floor. The MG-U is completely integrated in the wall or floor, resulting in a more aesthetic result. Thanks to the installation method of the collar, the pipes can bend faster after a fire compartment wall or floor, which saves space.

When combustible pipes burn away, openings appear in the floor or walls through which fire can spread. Fire resistant collars prevent propagation of fire by expanding through heat, thus closing off the openings and making them fire resistant.

- aesthetic solution
- ✓ no space is lost at the wall crossing (built-in installation)
- ☑ fast and easy installation (sealing with classic, non fire resistant PUR foam)
- ✓ solutions without screws possible
- ☑ installation U/U, U/C, C/C, C/U (uncapped-uncapped, uncapped-capped, capped-capped).
- ☑ only 1 collar is required per fire compartment wall or floor
- ☑ CE marking according to EAD 350454-00-1104
- suitable for ventilated (vented) plastic pipes.
- installation U/U, U/C, C/C, C/U (uncapped-uncapped, uncapped-capped, capped-capped, capped-uncapped).
- suitable for built-in installation
- suitable for PVC-U pipes according to EN 1329-1, EN 1453-1 or EN 1452-1 and for PVC-C pipes according to EN 1566-1
- suitable for PE-HD pipes according to EN 1519-1, EN 12666-1 or EN 12201-2 and for ABS pipes according to EN 1455-1
- suitable for PP pipes according to EN 1451-1
- suitable for SAN+PVC pipes according to EN 1565-1
- maintenance-free
- 1. steel housing
- 2. intumescent strips
- 3. fixation plate
- 4. fastener



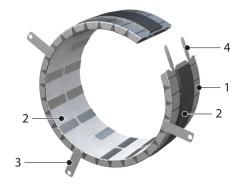








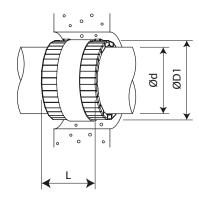




Range and dimensions MG-U

D1 = outside diameter of the collar

d = inside diameter of the collar, corresponding to the outside diameter of the pipe



Ød [mm]	32	40	50	56	63	75	80	90	100	110	125	140	160
D1	49	57	67	73	90	92	101	111	121	131	150	165	185
L							96						

Storage and handling

As this product is a safety element, it should be stored and handled with care.

It is recommended:

- to unload in a dry area
- to keep in a cool, dry area, protected from heat
- to transport the product in a closed vehicle

Total product length, supplied in flat form

d [mm]	32	40	50	56	63	75	80	90	100	110	125	140	160
L (mm)	187	212	243	262	284	322	350	381	413	444	504	5551	614

Installation

General points

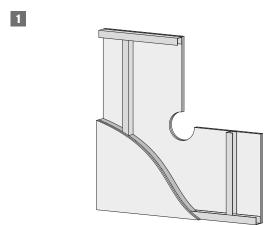
- The installation must comply with the installation manual and the classification report.
- The pipe must be supported in order to guarantee the well-functioning of the sealing during a fire. Supports and fastenings should be realised according to the rules of good craftsmanship.

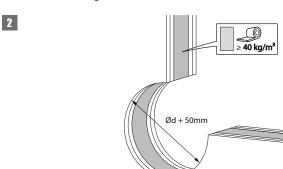
Product specific

• See our installation video at www.rft.eu/VIDEO-MG-U (or scan the QR code on cover of product brochure).

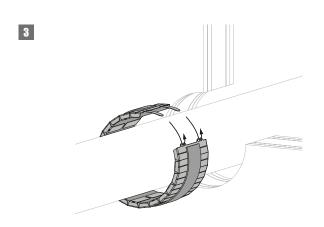
Installation in rigid wall and in flexible wall (metal stud gypsum plasterboard wall), without screws

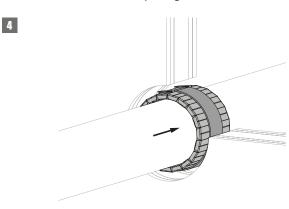
The product was tested and approved in: see the classification overview. Mounting is authorised in supporting constructions with a thickness and/or density equal or superior to the supporting construction used during the test, as described in EN 1366-3.



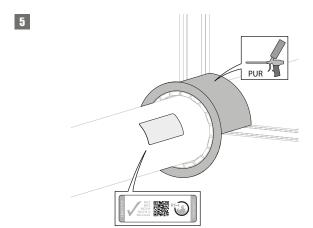


2. Provide an installation opening of $\emptyset d + 50$ mm.

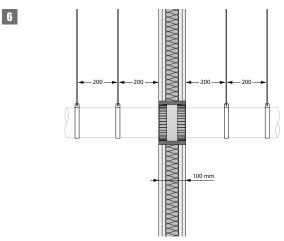




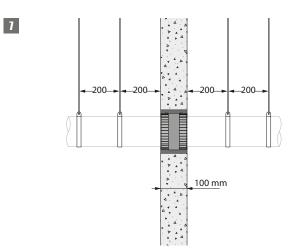
- 3. Bend the collar and mount it around the pipe. Slide the fastening strips through the corresponding holes. Fold back the strips.
- 4. Slide the collar into the opening of the wall, in the middle of the wall thickness.

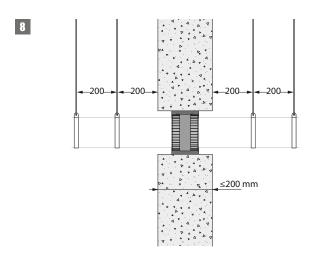


5. Seal with classic PUR foam. Apply the label nearby the collar.



6. Caution: This installation is not valid for flexible walls with width > 100 mm (eg 125 or 150 mm). For this purpose, the MG-U L125/L150 is used. Please contact Rf-t for further information.

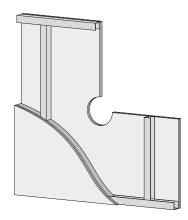




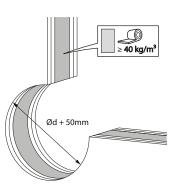
Installation in rigid wall and in flexible wall (metal stud gypsum plasterboard wall), with screws

The product was tested and approved in: see the classification overview in the Declaration of Performance. Mounting is authorised in supporting constructions with a thickness and/or density equal or superior to the supporting construction used during the test, as described in EN 1366-3.



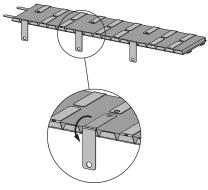


2



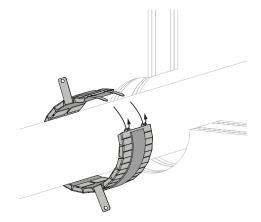
2. Provide an installation opening of minimum $\emptyset d+27$ mm and maximum $\emptyset d+50$ mm for pipe diameters 32-75, $\emptyset d+36$ mm and $\emptyset d+50$ mm for pipe diameters 80-110, $\emptyset d+40$ mm and $\emptyset d+50$ mm for pipe diameters 125-160.





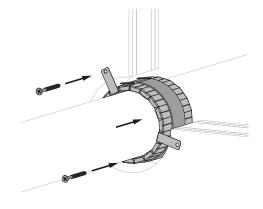
3. Fold the metal plates with pre-drilled holes for 270°.



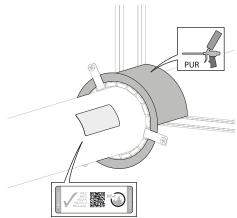


4. Bend the collar and mount it around the pipe. Slide the fastening strips through the corresponding holes. Fold back the strips.





6

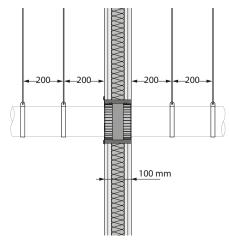


5. Slide the collar into the opening of the wall, in the middle of the wall thickness.

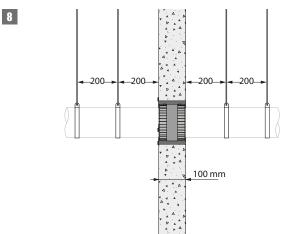
Fix the collar with 5x50 mm screws for rigid wall and 5x100 mm for flexible wall.

6. Seal with classic PUR foam. Apply the label nearby the collar.





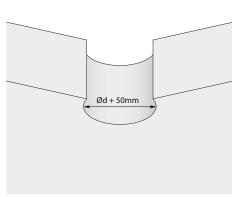
7. Caution: This installation is not valid for flexible walls with width > 100 mm (eg 125 or 150 mm). For this purpose, the MG-U L125/L150 is used. Please contact Rf-t for further information.



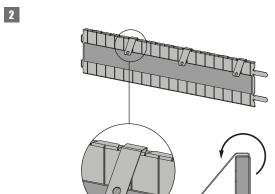
Installation in rigid floor, without screws

The product was tested and approved in: see the classification overview in the Declaration of Performance. Mounting is authorised in supporting constructions with a thickness and/or density equal or superior to the supporting construction used during the test, as described in EN 1366-3.

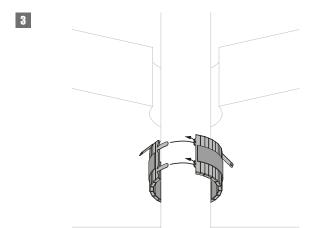




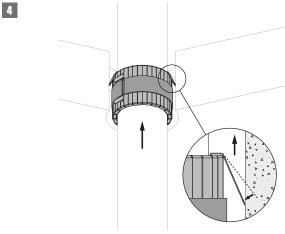
1. Provide an installation opening of $\emptyset d + 50$ mm.



2. Fold the metal plates with pre-drilled holes for 300 $^{\circ}$.

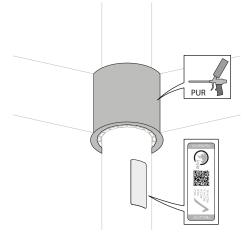


3. Bend the collar and mount it around the pipe. Slide the fastening strips through the corresponding holes. Fold back the strips.



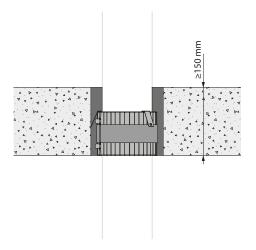
4. Slide the collar into the opening until it reaches the height of the ceiling.





5. Seal with classic PUR foam. Apply the label nearby the collar.

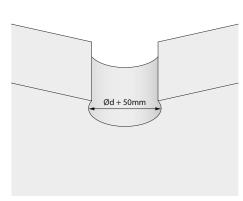




Installation in rigid floor, with screws

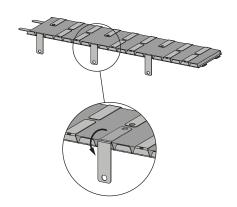
The product was tested and approved in: see the classification overview in the Declaration of Performance. Mounting is authorised in supporting constructions with a thickness and/or density equal or superior to the supporting construction used during the test, as described in EN 1366-3.





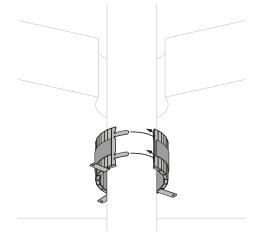
1. Provide an installation opening of $\emptyset d + 50$ mm.



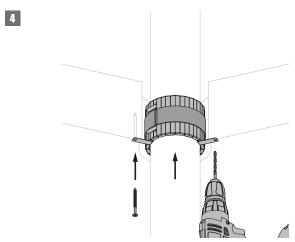


2. Fold the metal plates with pre-drilled holes for 270°.



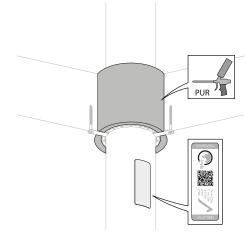


3. Bend the collar and mount it around the pipe. Slide the fastening strips through the corresponding holes. Fold back the strips.

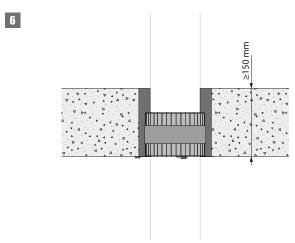


4. Slide the collar into the opening until it reaches the height of the ceiling.





5. Place the collar with 5x70 mm screws.



6. Seal with classic PUR foam. Apply the label nearby the collar.

Weights

Weights

MG-U

Ød [mm]	32	40	50	56	63	75	80	90	100	110	125	140	160
kg	0,2	0,2	0,2	0,3	0,3	0,3	0,4	0,5	0,5	0,5	0,7	0,8	0,9

Approvals and certificates

All our products are submitted to a number of tests by official test institutes. Reports of these tests form the basis for the approvals of our products.



BCCA-0749-CPR-BC1-262-464-026-2.05-2517