

ABRAP

Denomination: **HEAVY-DUTY METAL CLAMPS**

Codes: AB-RI,AB-RE,AB-RA,AB-IA,AB-IR,AB-GA,AB-PE,AB-M8,ABDE,AB-DP,AB-ZI,AB-SA,AB-GP

Reference: **FT ABRAP-en**

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AB-RI



AB-RE



AB-RA



AB-IA



AB-IR



AB-GA



AB-PE



AB-M8



AB-DE Z / AB-DE G



AB-DP Z / AB-DP G



AB-ZI



AB-SA



AB-GP

CHARACTERISTICS

- Heavy-duty clamps for heavyweight pipes.
- Variety of formats: isophonic or standard.
- Coating solutions for every scenario: galvanized, zinc-plated, yellow painted.
- U bolt and support, installation flexibility.
- Yellow gas pipe clamp for quick detection of gas pipes.
- Double thread clamps M8+M10.
- FM certificate for firefighting pipes.
- Uses: sanitation, electric installations, ventilation, air conditioning, gas pipes, firefighting, etc.

BASE MATERIAL



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1. RANGE

ITEM	CODE	PHOTO	SIZES [mm]	COATING	MAXIMUM LOAD RECOMMENDED [kg]	THICKNESS [mm]	WIDTH [mm]	COUPLING NUT	CERTIFICATION	APPLICATIONS	ISOPHONIC	TBC
1	AB-RI		Ø18 – Ø1250		150 – 200	1,75 – 2,3	18,5	M8 + M10	-	HSW and CW Gas Sanitation Heating systems Air-conditioning Electric systems Ventilation	✓	✓
2	AB-RE		Ø18 – Ø1250		150 – 200	1,8 – 2,3	19	M8 + M10	-	Sanitation Electric systems Ventilation	✓	✓
3	AB-RA		Ø15 – Ø125		80	1,5	20	M8	-	Sanitation Electric systems	-	-
4	AB-IA		Ø15 – Ø125		80	1,5	20	M8	-	HSW and CW Gas Sanitation Heating systems Air-conditioning Electric systems Ventilation	✓	✓
5	AB-IR		Ø15 – Ø60		60	1,2	19	M8	-	HSW and CW Gas Sanitation Heating systems Air-conditioning Electric systems Ventilation	✓	✓
6	AB-GA		Ø18 – Ø160		150 – 200	1,8 – 2,3	19	M8 ≤ Ø54 M8+M10 > Ø54	According to UNE-EN ISO 4892	Gas	-	-
7	AB-PE		Ø28 – Ø220		154 – 1723 according to FM Approved	1 – 2,5	21 – 39	M10 ≤ Ø115 M12 > Ø115		Firefighting	-	-
8	AB-M8		Ø50 – Ø315		100	0,7 - 0,9	27,4	M8	-	Sanitation Drainpipes	-	-
9	AB-DE Z / AB-DE G		Ø75 – Ø315		200	2	20	-	-	Sanitation Drainpipes	-	-
10	AB-DP Z / AB-DE G		Ø75 – Ø250		200	2	20	-	-	Sanitation Drainpipes	-	-
11	AB-ZI		Ø16 – Ø230		250 – 350	M6 – M10	-	-	-	Gas Sanitation	-	-
12	AB-SA		50 x 100 – 100 x 500		-	5 – 6	-	-	-	Gas Sanitation	-	-
13	AB-GP		Ø25 – Ø235		-	0,6 – 1,7	18 – 25	-	-	Sanitation Industrial	-	-

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2. INSTALLATION DATA

2.1 AB-RI

Reinforced isophonic pipe clamp M8+M10



Benefits

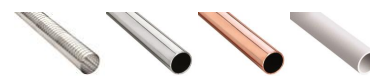


Coating



Zinc-plated

Base Material



Ventilation pipe

Steel pipe

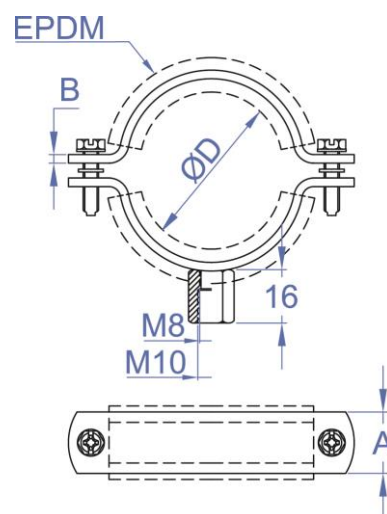
Copper pipe

PVC pipe

Installation data

Code	Size [mm]	Ø D (mm)	Ø D (")	A x B (mm)	Maximum load recommended (kg)	Characteristics
ABRI018	18	15 - 19	3/8"	18.5x1.75	150	- Pipes from Ø18 to Ø1250 mm. - Surface coating: electrolytic zinc plated, coating >3 microns. - Isophonic, EPDM rubber for insulation, noise and vibration reduction. - According to Technical Building Code, TBC, Basic reports HS and HR. - Steel profile de 1.75 ÷ 2.3 mm thickness. - Side screws with plastic washer to avoid losses. - Reinforced. - Welded nut of M8+M10. - Suitable for steel, plastic, copper and ventilation pipes. - Recommended for water supply installations (HSW and CW), drain networks (sanitation), thermal installations (heating, air-conditioning and ventilation systems), compressed air, gas installations, etc. - Service temperature: -30°C ÷ +120°C. - Large sizes available for ventilation pipes.
ABRI022	22	20 - 25	1/2"	18.5x1.75	150	
ABRI028	28	26 - 30	3/4"	18.5x1.75	150	
ABRI035	35	32 - 36	1"	18.5x1.75	150	
ABRI040	40	38 - 43	1 1/4"	18.5x1.75	150	
ABRI048	48	47 - 51	1 1/2"	18.5x1.75	150	
ABRI054	54	53 - 56	-	18.5x1.75	150	
ABRI060	60	60 - 64	2"	18.5x1.75	150	
ABRI070	70	68 - 72	-	18.5x1.75	150	
ABRI075	75	75 - 80	2 1/2"	18.5x1.75	150	
ABRI083	83	81 - 86	-	18.5x1.75	150	
ABRI090	90	87 - 92	3"	18.5x1.75	150	
ABRI100	100	99 - 105	3 1/2"	18.5x1.75	150	
ABRI110	110	107 - 112	-	18.5x2,3	200	
ABRI115	115	113 - 118	4"	18.5x2,3	200	
ABRI125	125	125 - 130	4 1/2"	18.5x2,3	200	
ABRI133	133	132 - 137	-	18.5x2,3	200	
ABRI140	140	138 - 142	5"	18.5x2,3	200	
ABRI150	150	148 - 152	-	18.5x2,3	200	
ABRI160	160	159 - 166	6"	18.5x2,3	200	
ABRI180	180	179 - 184	8"	18.5x2,3	200	
ABRI200	200	199 - 212	-	18.5x2,3	200	
ABRI220	220	215 - 226	-	18.5x2,3	200	
ABRI250	250	245 - 254	-	18.5x2,3	200	
ABRI300	300	299 - 304	-	18.5x2,3	200	
ABRI315	315	314 - 319	-	18.5x2,3	200	
ABRI355	355	354 - 359	-	18.5x2,3	200	
ABRI400	400	399 - 404	-	18.5x2,3	200	
ABRI450	450	449 - 454	-	18.5x2,3	200	
ABRI500	500	499 - 504	-	18.5x2,3	200	
ABRI560	560	555 - 561	-	18.5x2,3	200	
ABRI600	600	599 - 604	-	18.5x2,3	200	
ABRI630	630	625 - 631	-	18.5x2,3	200	
ABRI710	710	705 - 711	-	18.5x2,3	200	
ABRI800	800	799 - 804	-	18.5x2,3	200	
ABRI900	900	899 - 904	-	18.5x2,3	200	
ABRI910	1000	999 - 1.004	-	18.5x2,3	200	
ABRI911	1120	1.115 - 1.121	-	18.5x2,3	200	
ABRI912	1250	1.245 - 1.251	-	18.5x2,3	200	

DRAWING



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2.2 AB-RE

Reinforced pipe clamp M8+M10



Benefits

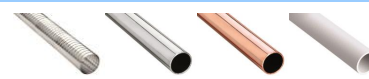


Coating



Zinc-plated

Base Material



Ventilation pipe

Steel pipe

Copper pipe

PVC pipe

Installation data

Code	Size [mm]	Ø D (mm)	Ø D (")	A x B (mm)	Maximum load recommended (kg)	Characteristics
ABRE018	18	15 - 19	3/8"	19x1.8	150	- Pipes from Ø18 to Ø1250 mm. - Surface coating: electrolytic zinc plated, coating >3 microns. - Steel profile de 1.8 ÷ 2.3 mm thickness. - Side screws with plastic washer to avoid losses. - Reinforced. - Welded nut of M8+M10. - Suitable for steel, plastic, copper and ventilation pipes. - Recommended for sanitation, electric and ventilation installations. - Large sizes available for ventilation pipes.
ABRE022	22	20 - 25	1/2"	19x1.8	150	
ABRE028	28	26 - 30	3/4"	19x1.8	150	
ABRE035	35	32 - 36	1"	19x1.8	150	
ABRE040	40	38 - 43	1 1/4"	19x1.8	150	
ABRE048	48	47 - 51	1 1/2"	19x1.8	150	
ABRE054	54	53 - 56	-	19x1.8	150	
ABRE060	60	60 - 64	2"	19x1.8	150	
ABRE070	70	68 - 72	-	19x1.8	150	
ABRE075	75	75 - 80	2 1/2"	19x1.8	150	
ABRE083	83	81 - 86	-	19x1.8	150	
ABRE090	90	87 - 92	3"	19x1.8	150	
ABRE100	100	99 - 105	3 1/2"	19x1.8	150	
ABRE110	110	107 - 112	-	19x2,3	200	
ABRE115	115	113 - 118	4"	19x2,3	200	
ABRE125	125	125 - 130	4 1/2"	19x2,3	200	
ABRE133	133	132 - 137	-	19x2,3	200	
ABRE140	140	138 - 142	5"	19x2,3	200	
ABRE150	150	148 - 152	-	19x2,3	200	
ABRE160	160	159 - 166	6"	19x2,3	200	
ABRE180	180	179 - 184	8"	19x2,3	200	
ABRE200	200	199 - 212	-	19x2,3	200	
ABRE220	220	215 - 226	-	19x2,3	200	
ABRE250	250	245 - 254	-	19x2,3	200	DRAWING
ABRE300	300	299 - 304	-	19x2,3	200	
ABRE315	315	314 - 319	-	19x2,3	200	
ABRE355	355	354 - 359	-	19x2,3	200	
ABRE400	400	399 - 404	-	19x2,3	200	
ABRE450	450	449 - 454	-	19x2,3	200	
ABRE500	500	499 - 504	-	19x2,3	200	
ABRE560	560	555 - 561	-	19x2,3	200	
ABRE600	600	599 - 604	-	19x2,3	200	
ABRE630	630	625 - 631	-	19x2,3	200	
ABRE710	710	705 - 711	-	19x2,3	200	
ABRE800	800	799 - 804	-	19x2,3	200	
ABRE900	900	899 - 904	-	19x2,3	200	
ABRE910	1000	999 - 1.004	-	19x2,3	200	
ABRE911	1120	1.115 - 1.121	-	19x2,3	200	
ABRE912	1250	1.245 - 1.251	-	19x2,3	200	

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2.3 AB-RA

Reinforced pipe clamp M8 opened



Benefits



Coating



Zinc-plated

Base Material



Steel pipe



Copper pipe



PVC pipe

Installation data

Code	Size [mm]	Ø D (mm)	Ø D (")	A x B (mm)	Maximum load recommended (kg)	Characteristics
ABRA015	15	12-16	½"	20x1,5	80	- Pipes from Ø15 to Ø125 mm. - Surface coating: electrolytic zinc plated, coating >5 microns - Side opening allowing quick installation. - Welded nut M8. - Side screws with plastic washer to avoid losses. - Steel profile of 1.5 mm thickness. - Recommended for sanitation and electric pipes.. - Easy and quick installation
ABRA018	18	15 - 19	3/8"	20x1,5	80	
ABRA022	22	20 - 25	½"	20x1,5	80	
ABRA028	28	26 - 30	¾"	20x1,5	80	
ABRA035	35	32 - 36	1"	20x1,5	80	
ABRA042	42	38 - 43	1 ¼"	20x1,5	80	DRAWING
ABRA048	48	47 - 51	1 ½"	20x1,5	80	
ABRA054	54	53 - 58	-	20x1,5	80	
ABRA060	60	60 - 64	2"	20x1,5	80	
ABRA075	75	75 - 80	2 ½"	20x1,5	80	
ABRA090	90	87 - 92	3"	20x1,5	80	
ABRA100	100	99 - 105	3 ½"	20x1,5	80	
ABRA110	110	107 - 112	-	20x1,5	80	
ABRA115	115	113 - 118	4"	20x1,5	80	
ABRA125	125	125 - 130	4 ½"	20x1,5	80	

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2.4 AB-IA

Reinforced isophonic pipe clamp M8 opened



Benefits



Coating



Zinc-plated

Base Material



Steel pipe



Copper pipe



PVC pipe

Installation data

Code	Size [mm]	Ø D (mm)	Ø D (")	A x B (mm)	Maximum load recommended (kg)	Characteristics
ABIA015	15	12-16	½"	20x1,5	80	- Pipes from Ø15 to Ø125 mm. - Surface coating: electrolytic zinc plated, coating >5 microns. - Side opening allowing quick installation. - Isophonic, EPDM rubber for insulation, noise and vibration reduction. - Welded nut M8. - According to Technical Building Code, TBC, Basic reports HS and HR. - Side screws with plastic washer to avoid losses. - Steel profile of 1.5 mm thickness. - Recommended for water supply installations (HSW and CW), drain networks (sanitation), thermal installations (heating, air-conditioning and ventilation systems), compressed air, gas installations, etc. - Service temperature: -30°C ÷ +120°C. - Easy, economic and quick installation
ABIA018	18	15 - 19	3/8"	20x1,5	80	
ABIA022	22	20 - 25	½"	20x1,5	80	
ABIA028	28	26 - 30	¾"	20x1,5	80	
ABIA035	35	32 - 36	1"	20x1,5	80	
ABIA042	42	38 - 43	1 ¼"	20x1,5	80	
ABIA048	48	47 - 51	1 ½"	20x1,5	80	
ABIA054	54	53 - 58	-	20x1,5	80	
ABIA060	60	60 - 64	2"	20x1,5	80	DRAWING
ABIA075	75	75 - 80	2 ½"	20x1,5	80	
ABIA090	90	87 - 92	3"	20x1,5	80	
ABIA100	100	99 - 105	3 ½"	20x1,5	80	
ABIA110	110	107 - 112	-	20x1,5	80	
ABIA115	115	113 - 118	4"	20x1,5	80	
ABIA125	125	125 - 130	4 ½"	20x1,5	80	

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2.5 AB-IR

Isophonic pipe clamp M8 fast-clip



Benefits



Coating



Zinc-plated

Base Material



Steel pipe



Copper pipe

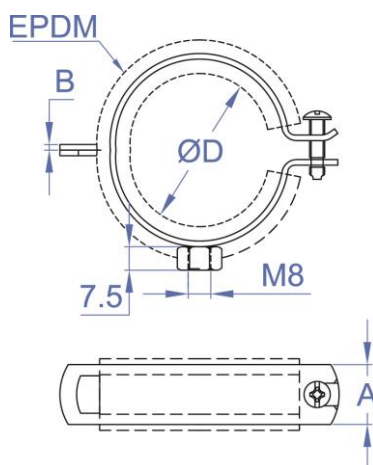


PVC pipe

Installation data

Code	Size [mm]	Ø D (mm)	Ø D (")	A x B (mm)	Maximum load recommended (kg)	Characteristics
ABIR015	16	14 - 15	1/4"	19x1,2	60	- Pipes from Ø16 to Ø60 mm. - Surface coating: electrolytic zinc plated, coating >5 microns. - Vertical opening allowing quick installation. - Only one screw included. - Isophonic, EPDM rubber for insulation, noise and vibration reduction. - Welded nut M8. - According to Technical Building Code, TBC, Basic reports HS and HR. - Steel profile of 1.5 mm thickness. - Recommended for water supply installations (HSW and CW), drain networks (sanitation), thermal installations (heating, air-conditioning and ventilation systems), compressed air, gas installations, etc. - Service temperature: -30°C ÷ +120°C. - Easy, economic and quick installation
ABIR018	18	16 - 19	3/8"	19x1,2	60	
ABIR022	22	21 - 23	1/2"	19x1,2	60	
ABIR028	28	26 - 28	3/4"	19x1,2	60	
ABIR035	35	32 - 35	1"	19x1,2	60	
ABIR040	42	40 - 43	1 1/4"	19x1,2	60	
ABIR048	48	48 - 51	1 1/2"	19x1,2	60	
ABIR054	54	52 - 56	-	19x1,2	60	
ABIR060	60	57 - 60	2"	19x1,2	60	

DRAWING



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2.6 AB-GA

Yellow gas pipe clamp M8+M10



Benefits



Coating



Yellow painted

Base Material



Steel pipe

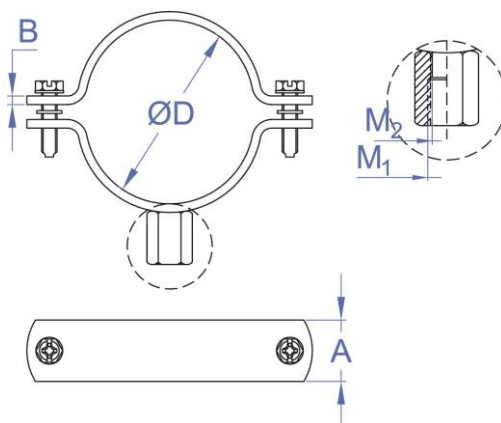
Gas pipe

PVC pipe

Installation data

Code	Size [mm]	Ø D (mm)	Ø D (")	A x B (mm)	Maximum load recommended (kg)	M	Code
ABGA018	18	16 – 20	3/8"	19x1.8	200	M8	- Pipes from Ø18 to Ø160 mm. - Surface coating: yellow painted for quick detection of gas pipes. - Steel profile of 1.8÷2.3 mm thickness. - Side screws with plastic washer to avoid losses. - Welded Nut: - Only M8: from Ø18 to Ø54. - M8+M10: from Ø60 to Ø160. - Recommended for gas pipes.
ABGA022	22	20 – 24	1/2"	19x1.8	200	M8	
ABGA028	28	26 – 30	3/4"	19x1.8	200	M8	
ABGA035	35	33 – 37	1"	19x1.8	200	M8	
ABGA040	40	38 – 42	1 1/4"	19x1.8	200	M8	
ABGA048	48	46 – 50	1 1/2"	19x1.8	200	M8	
ABGA054	54	52 – 56	-	19x1.8	200	M8	
ABGA060	60	58 – 62	2"	19x1.8	200	M8+M10	
ABGA075	75	73 – 77	2 1/2"	19x1.8	200	M8+M10	
ABGA090	90	88 – 92	3"	19x1.8	200	M8+M10	
ABGA100	100	98 – 102	3 1/2"	19x1.8	200	M8+M10	
ABGA110	110	108 – 112	-	19x1.8	200	M8+M10	
ABGA115	115	113 – 117	4"	19x1.8	200	M8+M10	
ABGA140	140	138 – 142	5"	19x2.3	200	M8+M10	
ABGA160	160	158 – 162	6"	19x2.3	200	M8+M10	

DRAWING

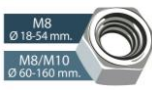


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2.7 AB-PE

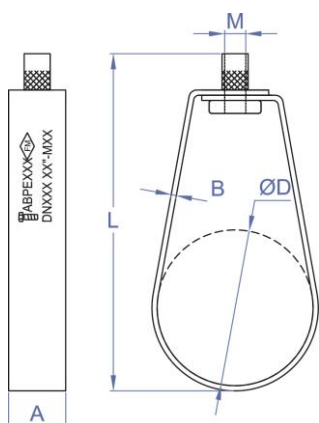
Sprinkler pipe clamp

	Benefits	Coating	Base Material	
	  	 Zinc-plated	 Steel pipes	 Firefighting pipes

Installation data

Code	Size [mm]	Ø D (mm)	Ø D (")	A x B (mm)	Maximum load recommended (kg)	Length (mm)	M	DN
ABPE028	28	25 - 31	¾"	21 x 1	200	72	M10 (3/8")	DN 20
ABPE035	35	32 - 38	1"	21 x 1	200	78	M10 (3/8")	DN 25
ABPE040	44	41 - 47	1 ¼"	21 x 1,2	200	88	M10 (3/8")	DN 32
ABPE048	50	47 - 53	1 ½"	21 x 1,2	200	95	M10 (3/8")	DN 40
ABPE060	62	59 - 65	2"	21 x 1,2	200	105	M10 (3/8")	DN 50
ABPE075	77	74 - 80	2 1/12"	21 x 1,2	200	125	M10 (3/8")	DN 65
ABPE090	90	87 - 93	3"	21 x 1,2	200	140	M10 (3/8")	DN 80
ABPE100	100	97 - 103	3 ½"	21 x 1,2	200	160	M10 (3/8")	DN 90
ABPE115	115	112 - 118	4"	21 x 2	200	173	M10 (3/8")	DN 100
ABPE140	142	139 - 145	5"	31 x 2	200	209	M12 (1/2")	DN 125
ABPE160	170	167 - 173	6"	31 x 2,25	200	249	M12 (1/2")	DN 150
ABPE220	221	218 - 224	8"	39 x 2,5	200	309	M12 (1/2")	DN 200

DRAWING



Characteristics

- Pipes from DN20 to DN200 mm.
- Surface coating: electrolytic zinc plated, coating >5 microns.
- One piece clamp, without screw, with threaded and knurled screw.
- Nut of M10 or M12 depending on size.
- FM Certificate available.
- Recommended for horizontal and suspended firefighting pipes.
- Easy and quick installation.

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2.8 AB-M8

Drainpipe clamp M8



Benefits



Coating



Zinc-plated

Base Material



Steel pipes



Copper pipes

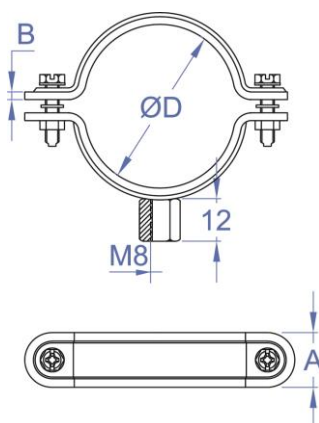


PVC pipes

Installation data

Code	Size [mm]	Ø D (mm)	A x B (mm)	Maximum load recommended (kg)	Characteristics
ABM8050	50	49 - 54	27.4 x 0.7	100	- Pipes from Ø50 to Ø315 mm. - Surface coating: electrolytic zinc plated, coating >3 microns. - Tornillos laterales con arandela de plástico para evitar su pérdida. - Steel profile of 1 mm thickness. - Riveted nut M8. - Recommended for PVC drainpipes. - Easy and quick installation.
ABM8063	63	60 - 65	27.4 x 0.7	100	
ABM8075	75	75 - 80	27.4 x 0.7	100	
ABM8090	90	88 - 92	27.4 x 0.7	100	
ABM8110	110	108 - 113	27.4 x 0.7	100	
ABM8125	125	124 - 130	27.4 x 0.7	100	
ABM8160	160	159 - 165	27.4 x 0.9	100	
ABM8200	200	199 - 203	27.4 x 0.9	100	
ABM8250	250	249 - 254	27.4 x 0.9	100	
ABM8315	315	314 - 319	27.4 x 0.9	100	

DRAWING



ABRAP

Denomination: **HEAVY-DUTY METAL CLAMPS**

Codes: **AB-RI,AB-RE,AB-RA,AB-IA,AB-IR,AB-GA,AB-PE,AB-M8,ABDE,AB-DP,AB-ZI,AB-SA,AB-GP**

Reference: **FT ABRAP-en**

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2.9 AB-DE

Cast-in drainpipe clamp



Benefits



Coating



Zinc-plated

Base Material



Steel pipes

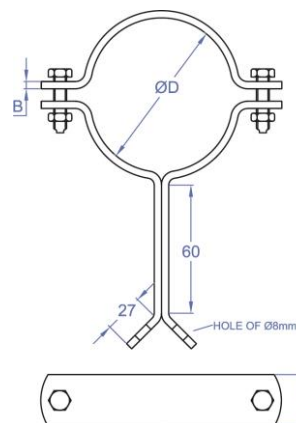


PVC pipes

Installation data

Code	Size [mm]	Ø D (mm)	Ø D (")	A x B (mm)	Maximum load recommended (kg)	Coating	Characteristics
ABDE075	75	75 - 80	2 1/2"	20x2	200		• Designed to be built-in in construction. • Screws with loose nuts to ease the installation. • Pipes from Ø75 to Ø315 mm. • Surface coating: electrolytic zinc plated, coating >5 microns. • Screw length M6x30. • Recommended for fixing vertical plastic and steel cast-in pipes. • Reinforced clamp of 2.5 mm thickness. • Easy and quick installation.
ABDE090	90	87 - 92	3"	20x2	200		
ABDE110	110	107 - 112	-	20x2	200		
ABDE125	125	125 - 130	4 1/2"	20x2	200		
ABDE160	160	159 - 166	6"	20x2	200		
ABDE200	200	199 - 212	-	20x2	200		
ABDE250	250	245 - 254	-	20x2	200		
ABDE315	315	314 - 319	-	20x2	200		

DRAWING



ABRAP

Denomination: **HEAVY-DUTY METAL CLAMPS**

Codes: **AB-RI,AB-RE,AB-RA,AB-IA,AB-IR,AB-GA,AB-PE,AB-M8,ABDE,AB-DP,AB-ZI,AB-SA,AB-GP**

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2.10 AB-DP

Drainpipe clamp with hole



Benefits



Coating



Zinc-plated

Base Material



Steel pipe

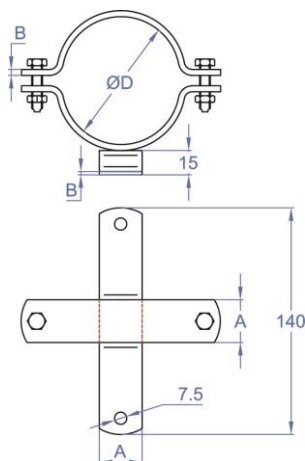


PVC pipe

Installation data

Code	Size [mm]	Ø D (mm)	Ø D (")	A x B (mm)	Maximum load recommended (kg)	Coating	Characteristics
ABDP075	75	75 - 80	2 ½"	20x2	200		- Pipes from Ø75 to Ø250 mm. - Designed to be fixed in the wall. - Screws with loose nuts to ease the installation. - Surface coating: electrolytic zinc plated, coating >5 microns. - Screw length M6x25.
ABDP090	90	87 - 92	3"	20x2	200		
ABDP110	110	107 - 112	-	20x2	200		
ABDP125	125	125 - 130	4 ½"	20x2	200		
ABDP160	160	159 - 166	6"	20x2	200		- Recommended for fixing vertical plastic and steel pipes, mainly to facades with anchor or screws. - Reinforced clamp of 2 mm thickness.
ABDP200	200	199 - 212	-	20x2	200		
ABDP250	250	245 - 254	-	20x2	200		

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ABRAP

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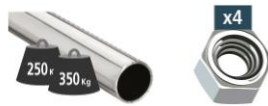
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2.11 AB-ZI

U-Bolt



Benefits



Coating



Zinc-plated

Base Material



Steel pipe

Installation data

Code	M	Ø D (")	A (mm)	B (mm)	C (mm)	Maximum load recommended (kg)	Characteristics
AZIM060125	M6	-	16	14	20	250	• Easy, fast and versatile installation. • Suitable to fix steel pipes onto supports and metal strut channels. • Safety installation with 2 nuts in both sides, 4 nuts in total. • Surface coating: electrolytic zinc plated, coating >5 microns. • Great range of sizes. Available diameters: M6, M8 y M10. • Fast and resistant installation.
AZIM060250	M6	¼"	20	14	20	250	
AZIM060375	M6	3/8"	23,5	15	23	250	
AZIM060500	M6	½"	27,5	17	25	250	
AZIM060750	M6	¾"	33	19	31	250	
AZIM061000	M6	1"	39,5	24	39	250	
AZIM061250	M6	1 ¼"	48,5	24	44	250	
AZIM081500	M8	1 ½"	56,5	26	48	350	
AZIM082000	M8	2"	68,5	26	53	350	
AZIM082250	M8	2 ¼"	83	35	63	350	DRAWING
AZIM082500	M8	2 ½"	83	35	71	350	
AZIM083000	M8	3"	99	35	76	350	
AZIM083500	M8	3 ½"	112	35	82	350	
AZIM084000	M8	4"	125	35	87	350	
AZIM084500	M8	4 ½"	140	40	100	350	
AZIM085000	M8	5"	152	40	105	350	
AZIM086000	M8	6"	179	40	118	350	
AZIM103000	M10	3"	100	45	66	350	
AZIM103500	M10	3 ½"	110	50	94	350	
AZIM104000	M10	4"	125	55	97,5	350	
AZIM105000	M10	5"	150	55	108	350	
AZIM106000	M10	6"	170	55	125	350	
AZIM108000	M10	8"	230	55	148	350	

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Denomination: **HEAVY-DUTY METAL CLAMPS**Codes: **AB-RI,AB-RE,AB-RA,AB-IA,AB-IR,AB-GA,AB-PE,AB-M8,ABDE,AB-DP,AB-ZI,AB-SA,AB-GP**Reference: **FT ABRAP-en**Date: **01/04/19**Revision: **7**Page: **14 of 15**

2.12 AB-SA

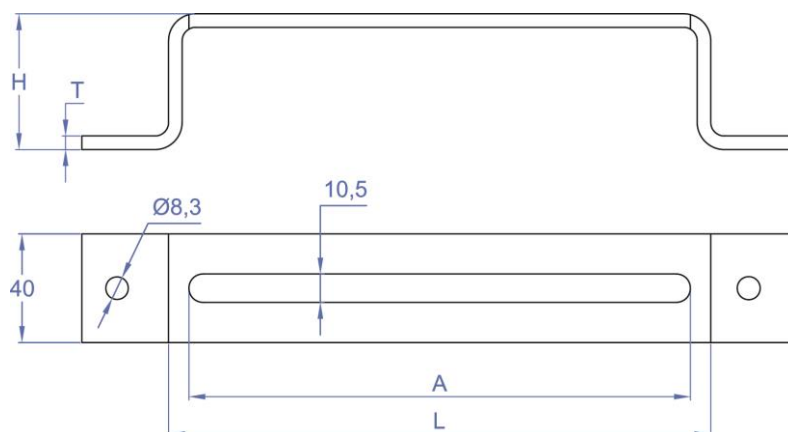
U-Bolt support

	Benefits	Coating	Base Material
		 Zinc-plated	 Steel pipe

Installation data

Code	Size [mm]	H (mm)	L (mm)	A (mm)	T (mm)	Characteristics
ABSA050100	50 x 100	50	100	85	5	• Easy, fast and versatile installation. • For M8 and M10 U-Bolts • Fast, safe and resistant installation. • Indicated to be used with M8 U-bolts (with DIN 9021 washer) and M10 U-bolts. • Indicated to fix steel pipes, fixed by means of U-bolts. • General thickness 5 mm. For lengths above 500mm, with 6 mm thickness. • Wide range of sizes, length from 100 mm to 600 mm. • Height, H, of 50 mm and 100 mm.
ABSA050125	50 x 125	50	125	110	5	
ABSA050200	50 x 200	50	200	185	5	
ABSA050300	50 x 300	50	300	285	5	
ABSA050400	50 x 400	50	400	385	5	
ABSA050500	50 x 500	50	500	485	6	
ABSA050600	50 x 600	50	600	585	6	
ABSA100100	100 x 100	100	100	85	5	
ABSA100125	100 x 125	100	125	110	5	
ABSA100200	100 x 200	100	200	185	5	
ABSA100300	100 x 300	100	300	285	5	
ABSA100400	100 x 400	100	400	385	5	
ABSA100500	100 x 500	100	500	485	6	

DRAWING



ABRAP

Denomination: **HEAVY-DUTY METAL CLAMPS**

Codes: **AB-RI,AB-RE,AB-RA,AB-IA,AB-IR,AB-GA,AB-PE,AB-M8,ABDE,AB-DP,AB-ZI,AB-SA,AB-GP**

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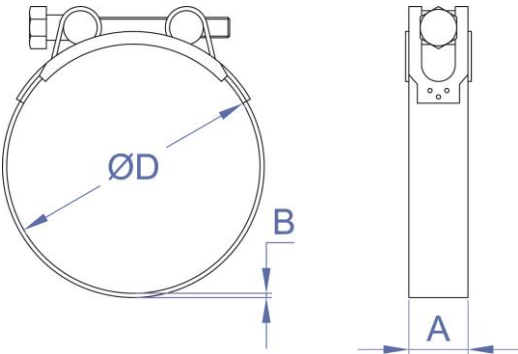
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2.13 AB-GP

Robust clamp

	Benefits	Coating	Base Material			
	 Bordes redondeados Rounded edges Bords arrondis  QUALITY 8.8 	 ZINC Zinc-plated	 Flexible pipe	 Steel pipe	 Copper pipe	 PVC pipe

Installation data

Code	MxL	Ø D (mm)	A	B	Characteristics
AGP023025	M5 x 40	23-25	18	0,6	- Pipe from Ø25 to Ø135 mm. - Surface coating: electrolytic zinc plated, coating >5 microns. - Bolt quality 8.8. - Band plate from 0.6 to 1.7 depending of the size. - Recommended for hoses and pipes. - Easy and safe installation. - Rounded band to avoid damaging the pipes. - Great torque capacity.
AGP026028	M5 x 40	26-28	18	0,6	
AGP029031	M6 x 50	29-31	20	0,8	
AGP032035	M6 x 50	32-35	20	0,8	
AGP036039	M6 x 50	36-39	20	0,8	
AGP040043	M6 x 50	40-43	20	0,8	
AGP044047	M6 x 55	44-47	22	1.2	
AGP048051	M6 x 55	48-51	22	1.2	
AGP052055	M6 x 55	52-55	22	1.2	
AGP056059	M6 x 55	56-59	22	1.2	
AGP060063	M6 x 55	60-63	22	1.2	DRAWING 
AGP064067	M8 x 70	64-67	22	1,5	
AGP068073	M8 x 70	68-73	24	1,5	
AGP074079	M8 x 70	74-79	24	1,5	
AGP080085	M8 x 70	80-85	24	1,5	
AGP086091	M8 x 70	86-91	24	1,5	
AGP092097	M8 x 70	92-97	24	1,5	
AGP098103	M8 x 70	98-103	24	1,5	
AGP104112	M8 x 80	104-112	24	1,5	
AGP113121	M8 x 80	113-121	24	1,5	
AGP122130	M8 x 80	122-130	24	1,5	
AGP131139	M10 x 90	131-139	25	1,5	
AGP140148	M10 x 90	140-148	25	1,5	
AGP149161	M10 x 110	149-161	25	1.7	
AGP162174	M10 x 110	162-174	25	1.7	
AGP175187	M10 x 110	175-187	25	1.7	
AGP188200	M10 x 110	188-200	25	1.7	
AGP201213	M10 x 110	201-213	25	1.7	
AGP214226	M10 x 110	214-226	25	1.7	
AGP227238	M10 x 110	227-238	25	1.7	