



## SPARE PARTS Ø 44 PROBE

Description	Reference
Metal cover, ø44 mm probe	A1 1414407
ø3 mm rubber cover, ø44 mm probe	A1 1414405
ø4 mm rubber cover, ø44 mm probe	A1 1414406
High Pressure canvas cover, ø44 mm probe	A1 1414412
HP+ canvas cover, ø44 mm probe	A1 1414414
Steel canvas cover, ø44 mm probe	A1 1414415
Cover ring, ø44 mm probe	A1 1424402
DN cover ring, ø44mm probe	A1 1424403
Polyurethane ring, for metal cover, ø44 mm probe	A1 1424406
ø44mm probe nut	A1 1494403
O-ring, ø44mm probe	A1 9901004
Membrane short, for 210mm central cell length, ø44 mm probe	A1 1494405
Membrane STD long, for 370mm central cell length, ø44 mm Ménard standard probe	A1 1494406
Membrane ring, ø44mm probe	A1 1424404
ø44mm probe to ø22mm rod connection (see picture on the right)	A1 1454402
Setting up probe stand, ø44mm	A1 1494409
ø44mm standard ring extractor (see picture on the right)	A1 1494400
ø44mm DN ring extractor (see picture on the right)	A1 1494430
Polyurethane ring extractor, ø44mm probe	A1 1494401
Rondelle de centrage tube fendu 63	J4 0906308
ø63mm casing shoe, tungsten carbide	J4 080006301

ø 44, 60 et 74 mm probe connection



ø 44, 60 et 74 mm setting up probe stand



Ring extractor

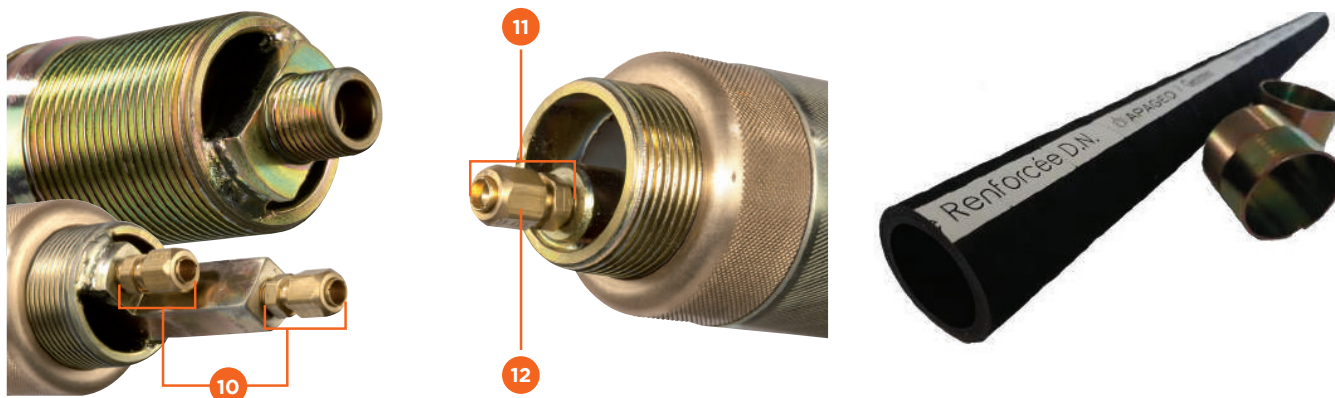
# PRESSUREMETER

## ACCESSORIES



### Ø 60 MM PROBE « BX MÉNARD » TYPE

Mark	Description	Reference
<b>1</b>	<b>Ø60mm twin probe, complete with High Pressure canvas cover</b>	<b>A1 1406010</b>
	Ø60mm twin probe, complete with rubber cover	A1 1406006
	Ø60mm twin probe, complete with metal cover	A1 1406008
	Ø60mm twin probe, complete with HP+ canvas cover	A1 1406014
	Ø60mm twin probe, complete with DN reinforced cover	A1 1406007
	Ø60mm coaxial probe, complete with metal cover	A1 1406003
	Ø60mm coaxial probe, complete with rubber cover	A1 1406002
	Ø60mm coaxial probe, complete with High Pressure canvas cover	A1 1406011
	Ø60mm coaxial probe, complete with HP+ canvas cover	A1 1406015
	Ø60mm coaxial probe, complete with DN reinforced cover	A1 1406005
2	Ø60mm probe protection shoe	A1 1496008
3	Ø60mm probe cover (several types available)	See next page
4	Ø60mm probe nut	A1 1496003
5	Cover ring, Ø60 mm probe	A1 1426003
	DN cover ring, Ø60 mm probe	A1 1426002
6	O-ring, Ø60mm probe	A1 1496004
7	Membrane ring, Ø60mm probe	A1 1426004
8	Membrane, 210mm central cell length, Ø60 mm probe	A1 1496006
9	Polyurethane cover ring for metal cover, Ø60mm probe	A1 1426006
10	Ø6x1/8" brass nipple for twin probe	A1 1700605
11	Probe drain tap	A1 1456012
12	Drain nut alone	A1 1497005



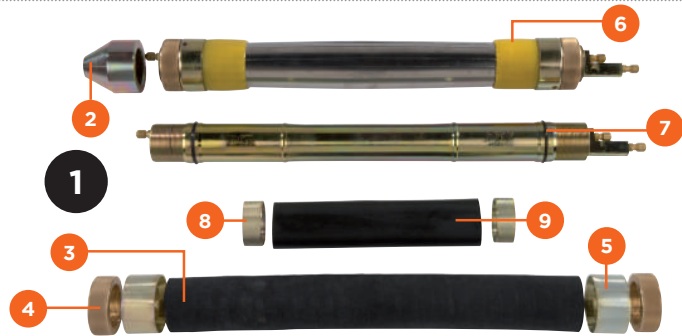
## Ø 60 MM PROBE, SPARE PARTS

Description	Reference
Metal cover, ø60 mm probe	A1 1416006
ø3mm rubber cover, ø60 mm probe	A1 1416002
ø4mm rubber cover, ø60 mm probe	A1 1416005
High Pressure canvas cover, ø60 mm probe	A1 1416008
HP+ canvas cover, ø60mm probe	A1 1416011
DN reinforced canvas cover, ø60mm probe	A1 1416012
Cover ring, ø60 mm probe	A1 1426003
Polyurethane ring, for metal cover, ø60 mm probe	A1 1426006
DN cover ring, ø60mm probe	A1 1426002
ø60mm probe nut	A1 1496003
O-ring, ø60mm probe	A1 1496004
Membrane, 210mm central cell length, ø60 mm probe	A1 1496006
Membrane ring, ø60mm probe	A1 1426004
ø60 mm probe protection shoe	A1 1496008
ø60mm probe to ø22mm rod connection (see picture page 41)	A1 1456002
ø60mm probe to ø42mm rod connection	A1 1456005
ø60mm probe to ø50mm rod connection	A1 1456007
ø60mm probe to Arod (pin) connection	A1 1456008
ø60mm probe to R32 rod connection	A1 1456011
ø60mm probe to R38 rod connection	A1 1456013
Setting up probe stand, ø60mm probe (see picture page 41)	A1 1496010
Probe thread grease	A1 1902001
Cover mounting grease	M2 0901618
Strap wrench	A1 1900302
Spare strap	A1 1901901
19mm wide tape roll	A1 1901804
38mm wide tape roll	A1 1901805
Ring extractor device, ø60mm probe	A1 1496000
Polyurethane ring extractor, ø60mm probe	A1 1496001
Band clip for ø60 metal cover (steel strip)	A1 1496002
Probe drain tap	A1 1456012
Drain nut alone	A1 1497005
ø6x1/8" brass nipple for twin probe	A1 1700605

## COVER CHOICE ADVICE

Cover type	Pressure Range	Soil type
Metal cover	Medium pressure	Gravel, Flinty clays, chalk Mud, soft clays, Silts, Loose sands, Pasty Chalk
3 mm rubber cover	Low pressure	Mud, soft clays, Silts, Loose sands, Pasty Chalk
4 mm rubber cover	Low pressure	Soft clays, Silts, Loose sands, Pasty Chalk + grain
High Pressure canvas cover	Medium to High Pressure	Clay, Silt, Sand + Marl, Coarse soils
DN reinforced canvas cover	High Pressure	Marl, Coarse soils, Weathered rocks, Fresh Rocks

# PRESSUREMETER ACCESSORIES



## Ø 74 MM PROBE « NX MÉNARD » TYPE

Mark	Description	Reference
<b>1</b>	<b>Ø74mm twin probe, complete with metal cover</b>	<b>A1 1407005</b>
	Ø74mm twin probe, complete with rubber cover	A1 1407003
	Ø74mm twin probe, complete with HP+ canvas cover	A1 1407015
	Ø74mm twin probe, complete with DN reinforced canvas cover	A1 1407006
	Ø74mm coaxial probe, complete with metal cover	A1 1406999
	Ø74mm coaxial probe, complete with rubber cover	A1 1407401
	Ø74mm coaxial probe, complete with HP+ canvas cover	A1 1407014
	Ø74mm coaxial probe, complete with DN reinforced canvas cover	A1 1406998
2	Ø74mm probe protection shoe	A1 1497009
3	Ø74mm probe cover (several type available)	see below
4	Ø74mm probe nut	A1 1497006
5	STD cover ring, Ø74 mm probe	A1 1427001
	DN cover ring, Ø74 mm probe	A1 1427005
6	Polyurethane cover ring for metal cover, Ø74mm probe	A1 1427003
7	O-ring for polyurethane cover ring, Ø74mm probe	A1 1497007
7	O-ring for STD/DN cover ring, Ø74mm probe	A1 1497012
8	Membrane ring, Ø74mm probe	A1 1427002
9	Membrane, 210mm central cell length, Ø74mm probe	A1 1497008

## Ø 74 MM PROBE, SPARE PARTS

Description	Reference
Metal cover, Ø74 mm probe	A1 1417002
Rubber cover, Ø74 mm probe	A1 1417001
HP+ canvas cover, Ø74mm probe	A1 1417003
DN reinforced canvas cover, Ø74mm probe	A1 1417005
STD cover ring, Ø74 mm probe	A1 1427001
DN cover ring, Ø74 mm probe	A1 1427005
Polyurethane ring, Ø74mm probe	A1 1427003
Ø74mm probe nut	A1 1497006
O-ring for polyurethane ring, Ø74mm probe	A1 1497007
O-ring for STD/DN cover ring, Ø74mm probe	A1 1497012
Membrane, 210mm central cell length, Ø74mm probe	A1 1497008
Membrane ring, Ø74mm probe	A1 1427002
Ø74mm probe protection shoe	A1 1497009
Ø74mm probe to Ø22mm rod connection (see picture page 41)	A1 1457001
Ø74mm probe to Ø42mm rod connection	A1 1457013
Ø74mm probe to Ø50mm rod connection	A1 1457015
Setting up stand, Ø74mm probe (see picture page 41)	A1 1497010
Polyurethane ring extractor, Ø74mm probe	A1 1497002

# PRESSUREMETER

## ACCESSORIES TWIN TUBING COUPLING



// IN SITU MEASUREMENT EQUIPMENT

### TUBING

Description	Reference
High Pressure Twin tubing - 25 m length	A1 8602014
High Pressure Twin tubing - 33 m length	A1 8602015
High Pressure Twin tubing - 50 m length	A1 8602016
High Pressure Twin tubing - 100 m length	A1 8602013

### ACCESSORIES



Mark	Description	Reference
1	<b>Male coupling for twin tubing</b>	<b>A1 8701811</b>
2	ø6mm x 1/8" brass nipple	A1 1700605
3	Rubber protection cap for tubing coupler	A3 1901603
4	<b>Repairing kit for twin tubing</b>	<b>A1 1700618</b>
5	ø6mm nut with ferrule	A1 1700607
6	Straight insert 3mm diameter	A1 1900602
7	<b>Connection kit for 2 twin tubings</b>	<b>A1 1700619</b>
8	ø6 x 6mm brass nipple	A1 1700606

# PRESSUREMETER

## COAXIAL TUBING HIGHT PRESSURE ACCESSORIES

### TUBING

Description	Reference
High Pressure coaxial tubing 100 bar TECALAN 25 m	A1 8602002
High Pressure coaxial tubing 100 bar TECALAN 33 m	A1 8602003
High Pressure coaxial tubing 100 bar TECALAN 50 m	A1 8602004
High Pressure coaxial tubing 100 bar TECALAN 100 m	A1 8602001

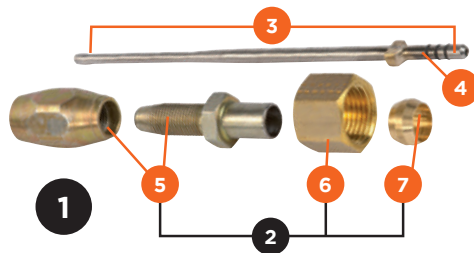


### COAXIAL COUPLING



Mark	Description	Reference
1	Complete coaxial quick coupling - tubing to monitoring unit	A1 8701601

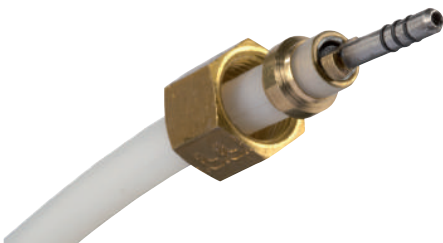
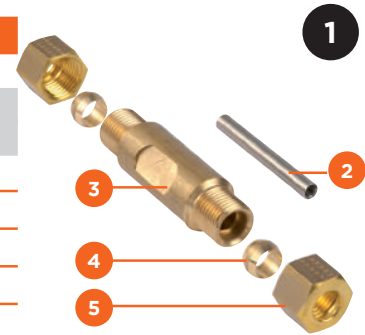
### TECALAN REPAIRING KIT (COMPLETE)



Mark	Description	Reference
1	Repairing kit for coaxial tubing	A1 9901500
2	4 parts coupling for coaxial tubing (marks 5+6+7)	A1 9901499
3	Connector 4x3	A1 1601803
4	O-ring for insert coupling 4x3 / 4x4	A1 9901003
5	2 parts TECALAN coupling	A1 8601801
6	ø10 mm stainless steel nut	A1 9900501
7	ø10 mm ferrule High Pressure	A1 9901501

## COUPLING KIT FOR 2 TECALANS

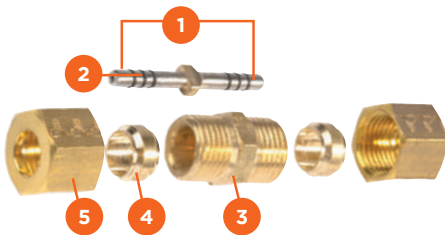
Mark	Description	Reference
1	<b>Coupling kit</b>	<b>A1 1601807</b>
2	Inox inner tube	A1 1602001
3	Coupling main part	A1 1601806
4	ø10 mm ferrule (x2) High Pressure	A1 9901501
5	ø10 mm stainless steel nut (x2)	A1 9900501



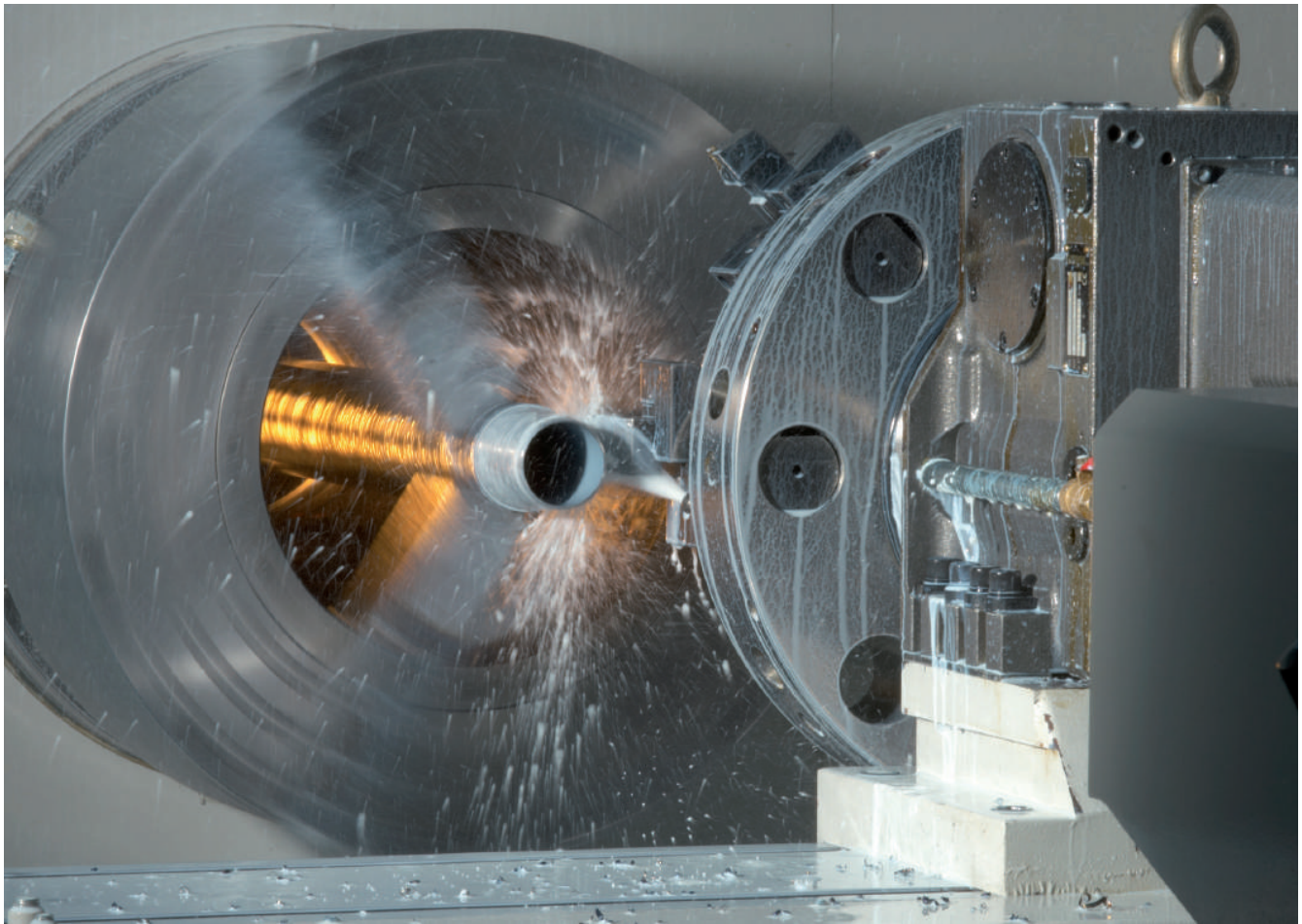
## TUBING

Description	Reference
Coaxial tubing RILSAN 25 m	A1 8602006
Coaxial tubing RILSAN 33 m	A1 8602007
Coaxial tubing RILSAN 50 m	A1 8602008

## COUPLING FOR 2 COAXIAL TUBINGS RILSAN



Mark	Description	Reference
1	Connector 4x4	A1 1601801
2	O-ring for insert coupling	A1 9901003
3	Straight connector 10 mm	A1 1601805
4	ø10 mm brass nut (x2)	A1 9901502
5	ø10 mm ferrule (x2) low pressure	A1 9900501
	Straight insert 7.5 mm	A1 1600601



# PRESSUREMETER

## MÉNARD SLOTTED CASINGS ACCESSORIES

### SLOTTED CASINGS

Description	Reference
Slotted tube 46/60 right thread	J2 900466002
Slotted tube 46/60 left thread	J2 900466001
Slotted tube 46/60 half shell left thread	J2 900466003
Slotted casing 55 mm, right thread	J2 102005502
Slotted casing 55 mm, left thread	J2 102005504
Slotted tube 55 Ménard half shell right thread	J2 102005500
Slotted tube 55 Ménard half shell left thread	J2 102005499
Reinforced slotted casing 55 mm, right thread	J2 201005501
Reinforced slotted casing 55 mm, left thread	J2 212005501
Slotted casing 63 mm, right thread	J2 101006301
Slotted casing 63 mm, left thread	J2 102006301
Slotted tube 63 Ménard half shell right thread	J2 101006300
Slotted tube 63 Ménard half shell left thread	J2 102005505
Reinforced slotted casing 63 mm, right thread	J2 201006301
Reinforced slotted casing 63 mm, left thread	J2 202006302
Slotted casing 75 mm, right thread	J2 101007501
Slotted casing 75 mm, left thread	J2 102007501

All our slotted tubes have 3/10 slot. They respect the effective standards (NF P 94-110-1 and ISO 22476-4) and are conform to the developer's requirements (Louis Ménard).

## SHORT CONES



Description	Reference
Cone for slotted casing 55, right thread	J4 060005501
Cone for slotted casing 55, left thread	J4 060005503
Cone for slotted casing 63, right thread	J4 060006301
Cone for slotted casing 63, left thread	J4 060006303
Cone for slotted casing 75, right thread	J4 060007501
Cone for slotted casing 75, left thread	J4 060007502

Also available for reinforced slotted casings.

## SHOCK ABSORBER, RETAINING PLATE AND HOLLOW WASHER

Description	Reference
Shock absorber for 55 and 63 mm slotted casings (unit)	J4 0906305
Shock absorber for 75 mm slotted casing (unit)	J4 090007501
Retaining plate for 55 mm slotted casing	J4 0905504
Hollow washer for 55 mm slotted casing	J4 0905503
Retaining plate for 63 mm slotted casing	J4 0906309
Hollow washer for 63 mm slotted casing	J4 0906306

Also available for reinforced slotted casings.

## SLIT COUPLINGS FOR HAMMERING CASING OR MÉNARD SLOTTED CASING

Description	Reference
Coupling for slotted casing 55 mm Right thread x F 42	J3 311005502
Coupling for slotted casing 55 mm Right thread x F 50	J3 111005512
Coupling for slotted casing 55 mm Left thread x F R32	J3 312005501
Coupling for slotted casing 55 mm Left thread x F R38	J3 312005503
Coupling for reinforced slotted casing 55 mm Right thread x F 42	J3 411005506
Coupling for reinforced slotted casing 55 mm Left thread x F R32	J3 412005501
Coupling for reinforced slotted casing 55 mm Left thread x F R38	J3 312005504
Coupling for slotted casing 63 mm Right thread x F 42	J3 311006304
Coupling for slotted casing 63 mm Right thread x F 50	J3 311006307
Coupling for slotted casing 63 mm Right thread x F 60	J3 311000308
Coupling for slotted casing 63 mm Left thread x F R32	J3 312006303
Coupling for slotted casing 63 mm Left thread x F R38	J3 312006305
Coupling for reinforced slotted casing 63 mm Right thread x F R38 left	J3 411006300
Coupling for reinforced slotted casing 63 mm Left thread x F R32	J3 412006301
Coupling for reinforced slotted casing 63 mm Left thread x F R38	J3 312007500
Coupling for slotted casing 75 mm Right thread x F BW	J3 311007500
Coupling for slotted casing 75 mm Right thread x F 50	J3 311007501
Coupling for slotted casing 75 mm Right thread x F T63 Ménard	J3 311007502
Coupling for slotted casing 75 mm Left thread x F R32	J3 312007501
Coupling for slotted casing 75 mm Left thread x F R38	J3 312007502

Other threads, please consult us.

# PRESSUREMETER

## MÉNARD HAMMERING CASINGS ACCESSORIES

### 44 MÉNARD CASINGS

Description	Longueur	Reference
T44 Ménard casing - right thread	1,00 m	K1 01004403
44 Ménard casing - right thread	1,20 m	*
44 Ménard casing - right thread	1,50 m	K1 010004404
44 reinforced Ménard casing - right thread	1,00 m	K1 010004401
44 reinforced Ménard casing - right thread	1,20 m	*
44 reinforced Ménard casing - right thread	1,50 m	K1 010004402
44 reinforced nipple - right thread		K1 020004401

### 55 MÉNARD CASINGS

Description	Longueur	Reference
55 Ménard casing - right thread	1,00 m	J1 101005501
55 Ménard casing - right thread	1,20 m	J1 201005501
55 Ménard casing - right thread	1,50 m	*
55 Ménard casing - left thread	1,00 m	*
55 Ménard casing - left thread	1,20 m	*
55 Ménard casing - left side	1,50 m	*
55 reinforced Ménard casing - right thread	1,00 m	J1 101005503
55 reinforced Ménard casing - right thread	1,20 m	*
55 reinforced Ménard casing - right thread	1,50 m	*
55 reinforced nipple - right thread		J4 070005502
55 reinforced Ménard casing - left thread	1,00 m	J1 102005501
55 reinforced Ménard casing - left thread	1,20 m	*
55 reinforced Ménard casing - left thread	1,50 m	J1 202005501
55 reinforced nipple - left thread		J4 070005501

### 63 MÉNARD CASINGS

Description	Longueur	Reference
63 Ménard casing - right thread	1,00 m	*
63 Ménard casing - right thread	1,20 m	J1 101006301
63 Ménard casing - right thread	1,50 m	J1 101006302
63 Ménard casing - left thread	1,00 m	J1 102006303
63 Ménard casing - left thread	1,20 m	J1 102006301
63 Ménard casing - left thread	1,50 m	J1 102006302
63 reinforced Ménard casing - right thread	1,00 m	*
63 reinforced Ménard casing - right thread	1,20 m	J1 201006301
63 reinforced Ménard casing - right thread	1,50 m	J1 201006302
63 reinforced Ménard casing - left thread	1,00 m	*
63 reinforced Ménard casing - left thread	1,20 m	*
63 reinforced Ménard casing - left thread	1,50 m	J2 202006301

\*Please, consult us.



## 75 MÉNARD CASINGS

Description	Longueur	Reference
75 Ménard casing - right thread	1,50 m	J1 101007501
75 Ménard casing - left thread	1,50 m	J1 102007501
75 nipple - right thread		J4 070007501
75 nipple - left thread		J4 070007502

## 85 MÉNARD CASINGS

Description	Longueur	Reference
85 Ménard casing - right thread	1,00 m	J1 101008502
85 Ménard casing - right thread	1,20 m	J1 101008503
85 Ménard casing - right thread	1,50 m	J1 101008504
85 Ménard casing - left thread	1,00 m	*
85 Ménard casing - left thread	1,20 m	J1 102008502
85 Ménard casing - left thread	1,50 m	J1 102008503

## CASING SHOES AND BITS

Description	Reference
55 casing shoe - right thread	J4 080005503
55 casing shoe - left thread	J4 080005504
63 casing shoe - right thread	J4 080006303
63 casing shoe - left thread	J4 080006307
63 Tungsten bit - right thread	J4 080006301
63 Tungsten bit -left thread	J4 080006302
85 casing shoe - right thread	J4 080008503
85 casing shoe - left thread	J4 080008505
85 Tungsten bit - right thread	J4 080008501
85 Tungsten bit - left thread	J4 080008502

\*Please, consult us.

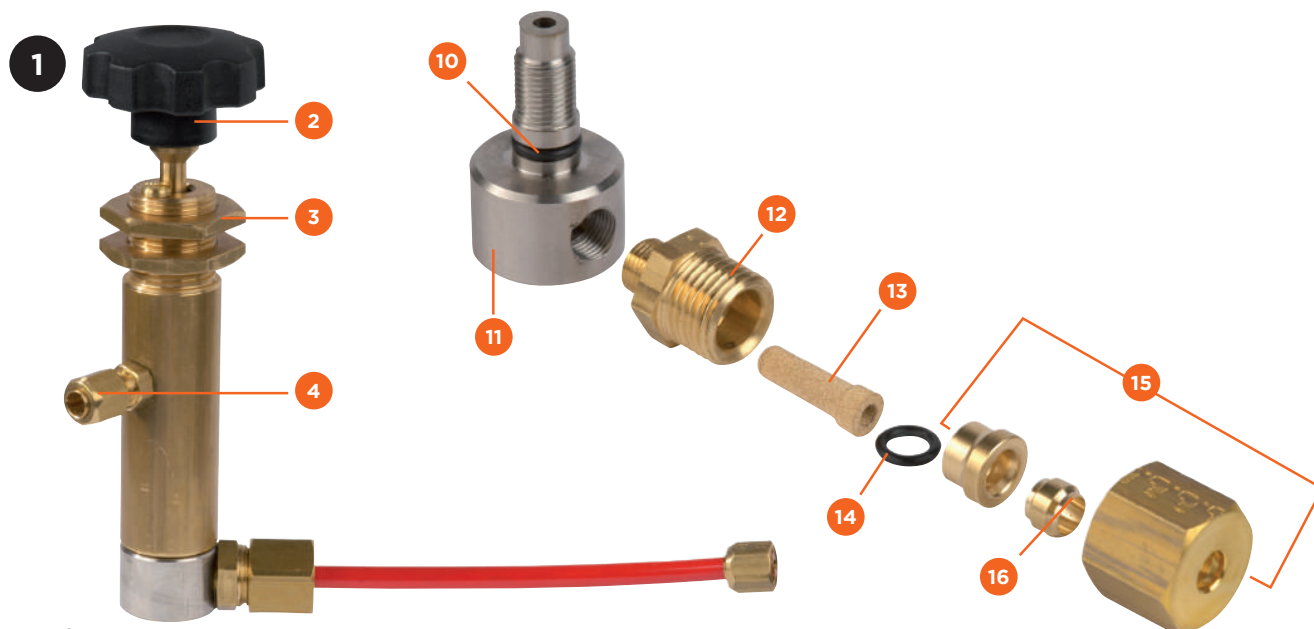
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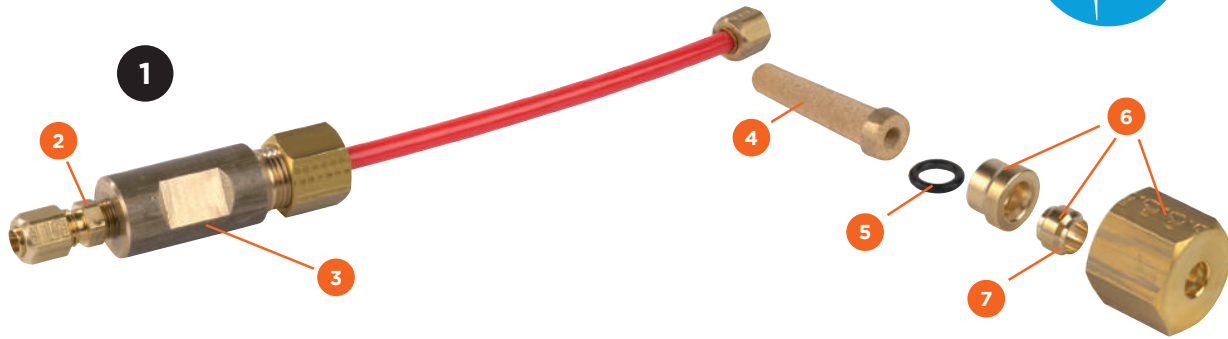
## SPARE PARTS



### PRESSURE LAG REGULATOR

Mark	Description	Reference
<b>1</b>	<b>Pressure lag regulator with tubing</b>	<b>A1 8320301</b>
2	Plastic handle for front panel	A1 9322202
3	Fixation Nut	A1 8320501
4	∅6x1/8" brass nipple	A1 1700605
5	O'ring for valve 2.6x1.9	A1 9321003
6	Shutter for pressure lag regulator	A1 8320302
7	4 bar pressure (0.4 MPa) spring for lag regulator - up to 50 meters test	A1 8321801
	7 bar pressure (0.7 MPa) spring for lag regulator - up to 80 meters test	A1 8321803
	10 bar pressure (1 MPa) spring for lag regulator - up to 110 meters test	A1 8321802
8	O'ring for pressure lag regulator screw	A1 9321001
9	Pressure lag regulator screw	A1 8322201
10	O'ring for stainless steel seat	A1 9321002
11	Stainless steel seat	A1 8321901
12	∅1/8"x10 coupling for pressure lag regulator	A1 8322220
13	Filter for pressure lag regulator	A1 8320601
14	O'ring for pressuremeter filter	A1 9901002
15	Reducer for filter cartridge	A1 8901610
16	∅6 mm brass Ferrule	A3 1901501





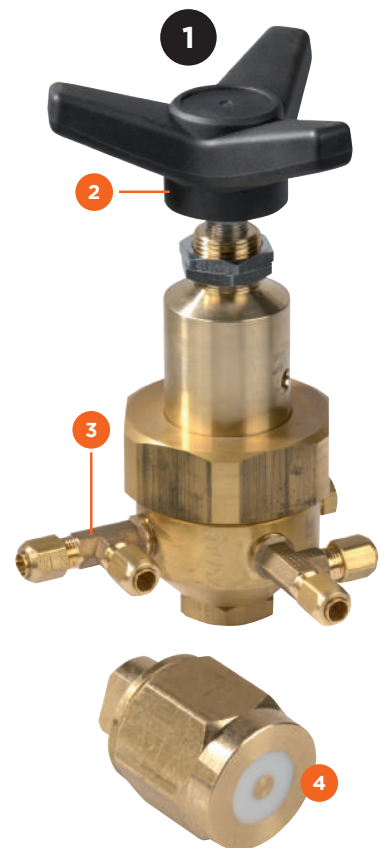
## FILTER CARTRIDGE

Mark	Description	Reference
<b>1</b>	<b>Complete filter cartridge for pressuremeter, with tubing</b>	<b>A1 8901602</b>
2	ø6x1/8" brass nipple	A1 1700605
3	Filter cartridge	A1 8901601
4	Protective filter for control knobs	A1 9900601
5	O'ring for pressuremeter filter	A1 9901002
6	Reducer for filter cartridge	A1 8901610
7	ø6 mm brass Ferrule	A3 1901501

## MAIN REGULATOR

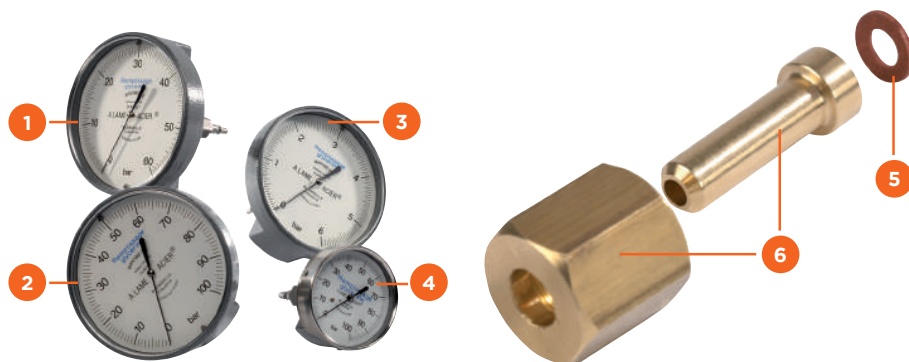
Mark	Description	Reference
<b>1</b>	<b>Main regulator 100 bar (complete)*</b>	<b>A1 9310403</b>
2	Plastic handle for piston type regulator	A1 9322203
3	ø6x1/4" brass tee coupling	A1 1700609
4	Shutter for main regulator	A1 9320301
	Main regulator seal 15/100th 100 bar	A1 9321602
	Main regulator seal 10/100th 60 bar	A1 9321601
	100 bar type regulator piston alone*	A1 9310400
	100 bar spring for main regulator	A1 9321802
	25 bar spring for main regulator	A1 9321803
	40 bar spring for main regulator	A1 9321804
	80 bar spring for main regulator	A1 9321805

\*Available in 80 bar for Pressure Control Unit 60 bar, please consult us.

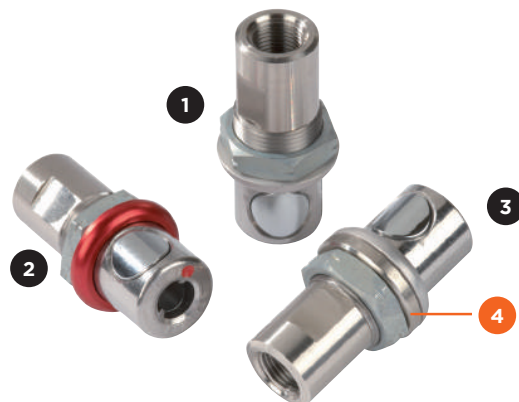


# PRESSUREMETER

## SPARE PARTS



Mark	Description	Reference
1	Additional pressure gauge - 0 x 60 bar - ø100mm	A1 8501005
2	Additional pressure gauge - 0 x 100 bar - ø100mm	A1 8501002
3	Additional pressure gauge - 0 x 6 bar - ø100mm	A1 8501004
4	Additional pressure gauge - 0 x 100 bar - ø60mm	A1 8501003
5	Gasket for pressure gauge inlet 10 x 100	A1 8501001
6	Pressure gauge inlet connection with nut 10 x 100	A1 8500501
	Pressure gauge ø. 100 - vertical inlet 10 x 100 - 0 x 25 bar	A1 8501310
	Pressure gauge ø. 100 - vertical inlet 10 x 100 - 0 x 60 bar	A1 8501312
	Pressure gauge ø. 60 - vertical inlet 10 x 100 - 0 x 250 bar	A1 8501324



Mark	Description	Reference
1	Quick female socket for gas feeding	A1 8701801
2	Quick female socket (box) for rear inlet pressure gauge (red spot)	A1 8701802
3	Quick female socket (box) for gas and water outlet	A1 8701804
4	Stainless steel washer for water socket	A1 8201900
	Quick female socket for volumeter filling	A1 8701803
	Quick male plug for gas feeding or volumeter filling	A1 8701805
	Quick male plug for rear inlet pressure gauge (red spot)	A1 8701806
	Quick male plug for volumeter filling	A1 8701807
	Inner black tubing 3 x 6 (by meter)	A1 8602011
	Inner red tubing 3 x 6 (by meter)	A1 8602018
	ø6 mm nut with ferrule	A1 1700607
	ø3 Straight insert	A1 1900602