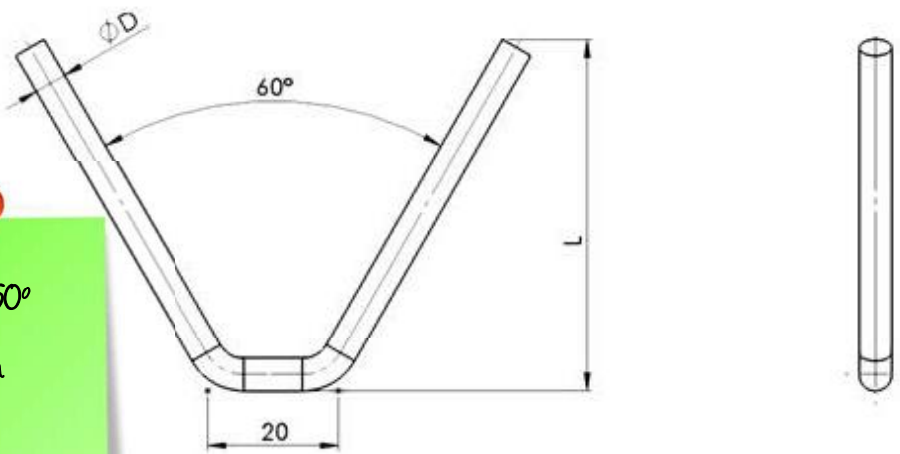
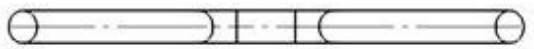


# CH1.6(60)-080-304

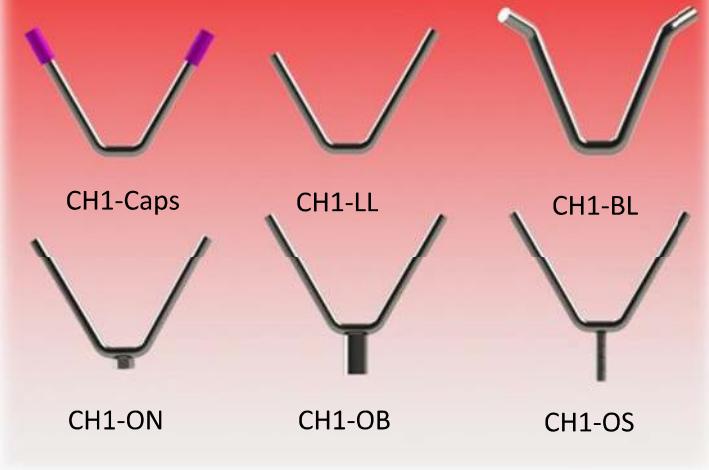
TYPE    Ø    ANGLE    LENGTH L    ALLOY



*Usual angle : 60°  
other angles on request*



Options :                    see details on page 6-1/6-2/6-3



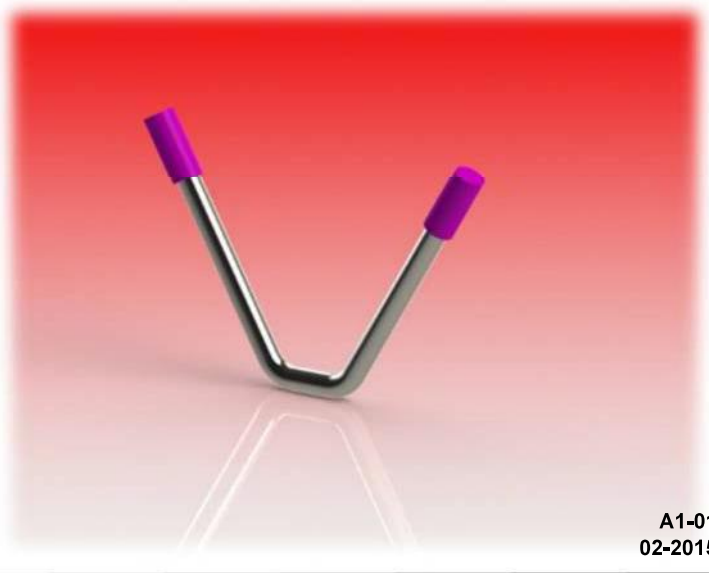
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Our recommendations :

- For thin thickness
- Corrugated CH4 (PAGE A1-03) is always better
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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A1-01  
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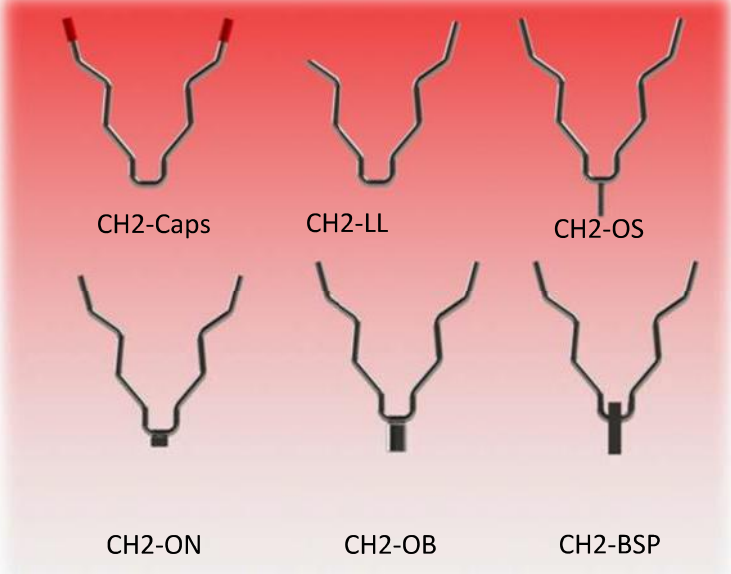
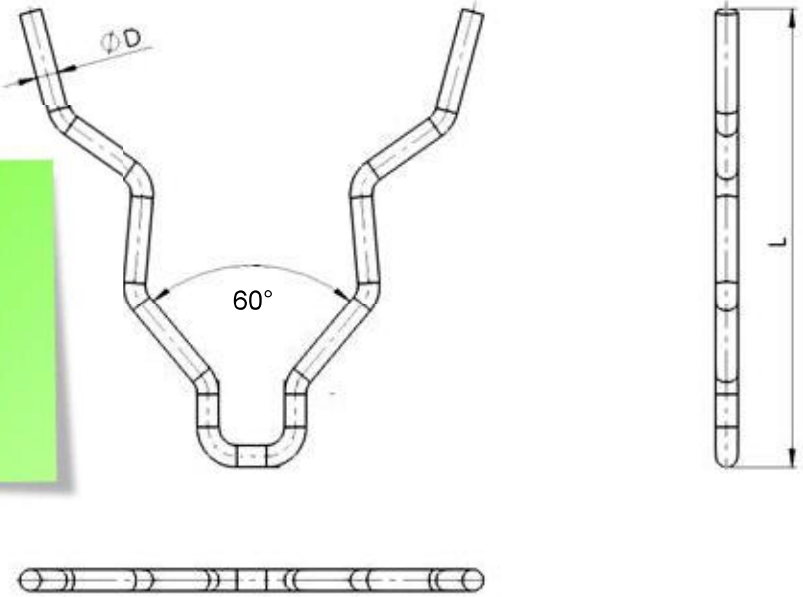
# CASTABLE ANCHOR

## CH2.8(60)-090-316

TYPE    Ø    ANGLE    LENGTH L    ALLOY

Options :                    see details on page 6-1/6-2/6-3

*Usual angle : 60°  
other angles on  
request*



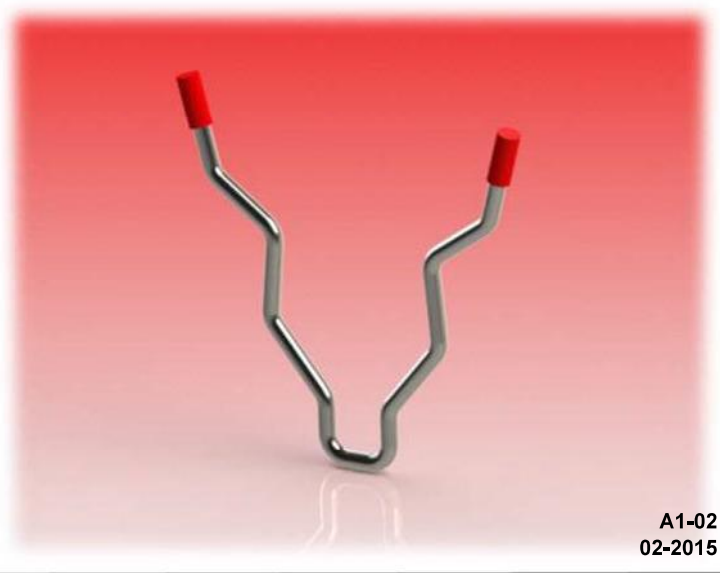
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Our recommendations :

- A good solution for thickness < 220 mm. Nevertheless, we prefer CH4 (PAGE A1-03)
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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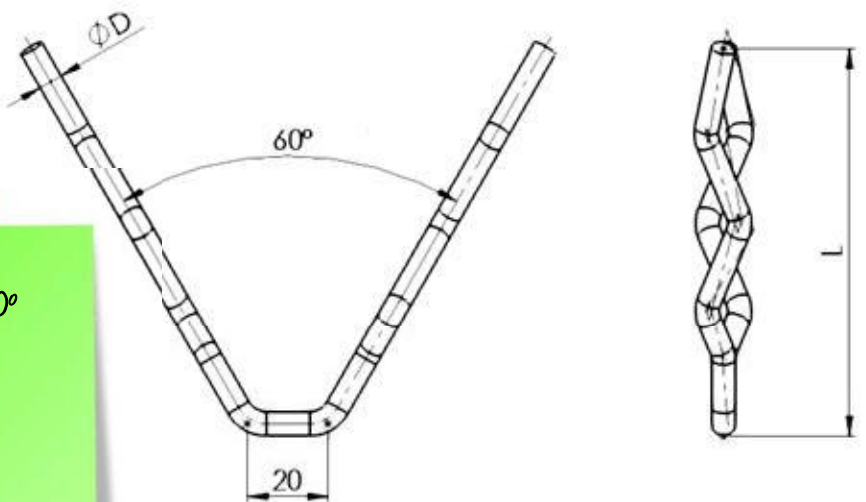


A1-02  
02-2015

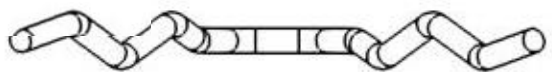
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# CH4.8(60)-140-304

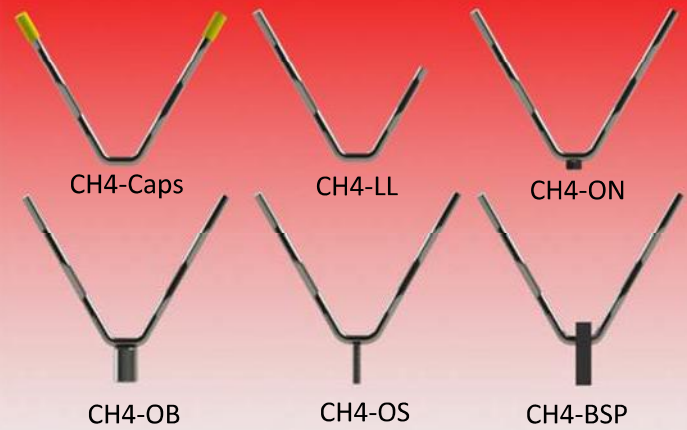
TYPE Ø ANGLE LENGTH L ALLOY



*Usual angle : 60°  
other angles on request*



Options : see details on page 6-1/6-2/6-3



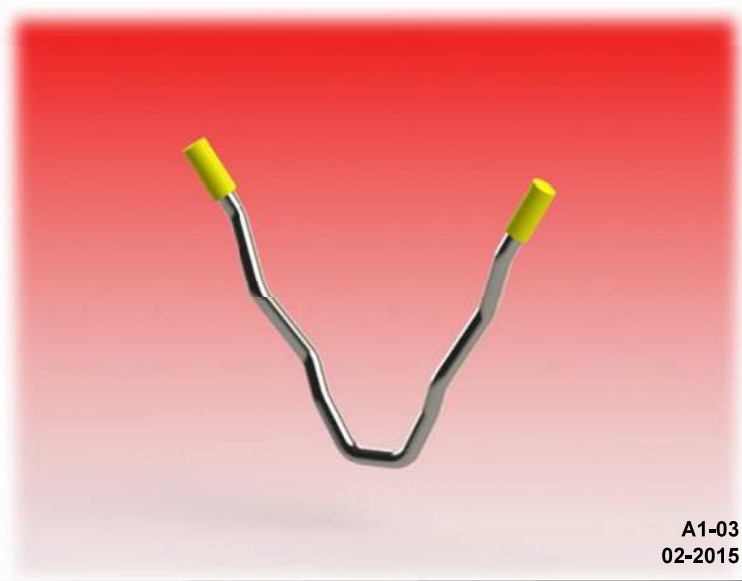
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Our recommendations :

- CH4 is a 3 dimensional anchor, the best performing option for CH range
- A good solution for thickness < 220 mm. For higher one : change for « CBH » anchor see page A5 -01.
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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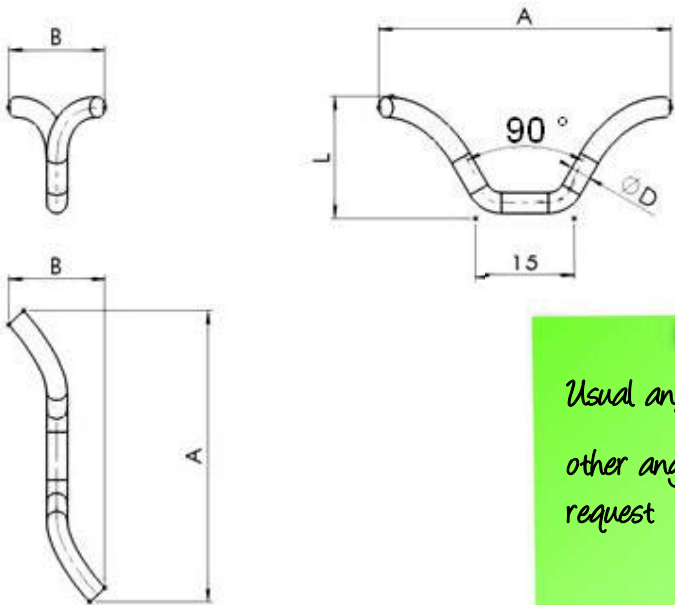
A1-03  
02-2015

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# CH1 .RL.4(60) – 030 – 025 – 310

TYPE                    Ø            ANGLE            LENGTH L            LENGTH B            ALLOY



*Usual angle : 90°  
other angles on  
request*

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

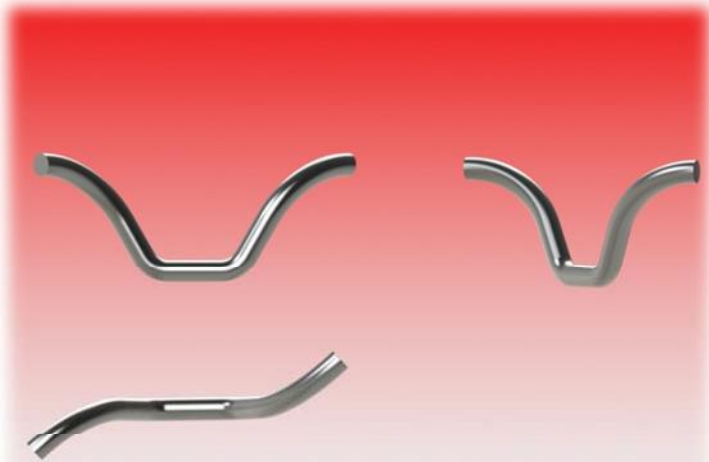
An angle, for such a small anchor, could create a tension in a very thin castable lining, because of the higher thermal expansion of steel alloy.

The « round wing or leg » distributes the tension on all the length of the wing, not on a simple point, the angle.

This anchor is specially designed for linings as thin as 19 or 25 millimeters(3/4 or 1 inch)

It is used for instance for air distribution grids in regenerators in FCC units.

Wings turn with a radius, they are rounded, they are not bent with an angle.



Our recommendations :

- Solution for thickness 19 and 25 mm.



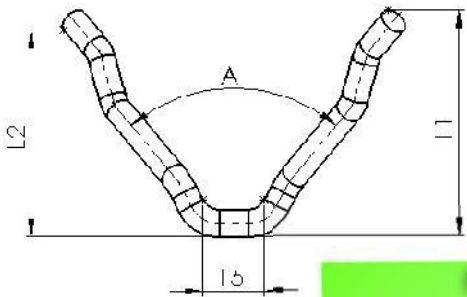
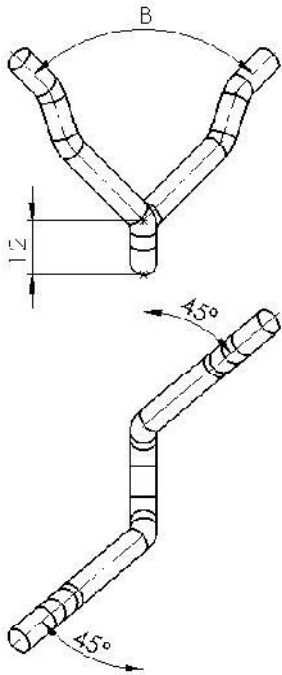
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UV.6 (80/90) – 060/050 - 310

TYPE Ø ANGLE A/B LENGTH L/L1 ALLOY



*Usual angle : 60°  
other angles on request*

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

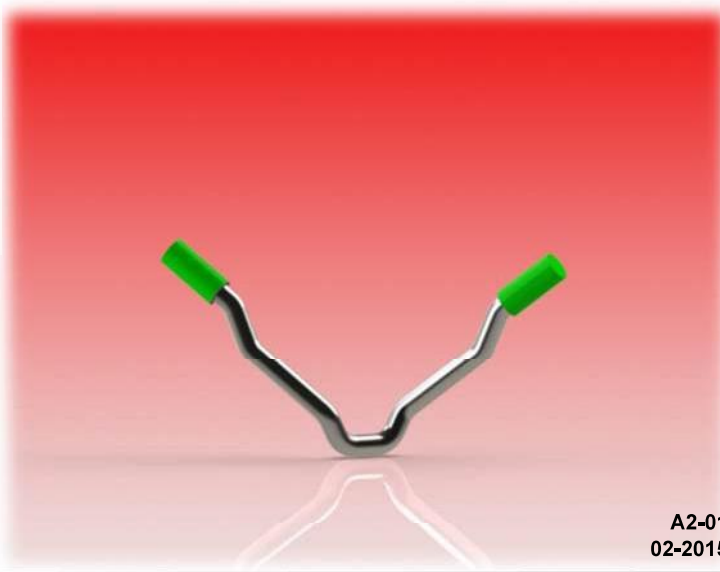
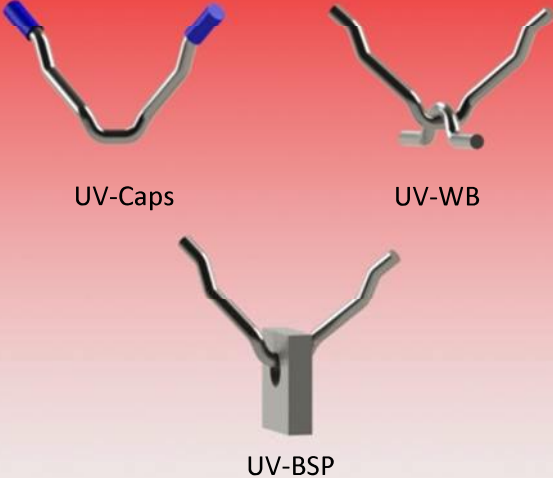
Our recommendations :

- A good solution for single layer with small thickness.
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options : see details on page 6-1/6-2/6-3



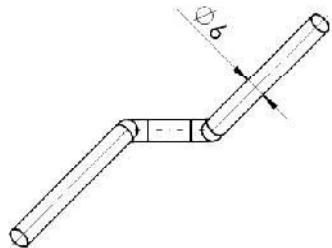
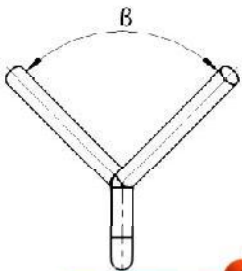
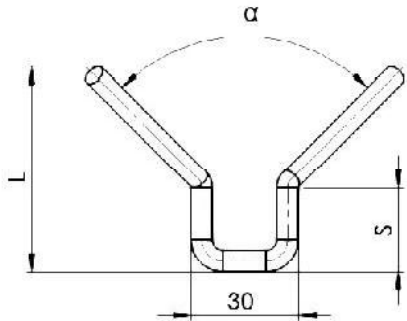
A2-01  
02-2015

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UBL.6 (90/90) – 060/025 - 310

TYPE	Ø	ANGLE A/B	LENGTH L/S	ALLOY
------	---	-----------	------------	-------



*Usual angle : 90° 90°  
other angles  
on request*

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

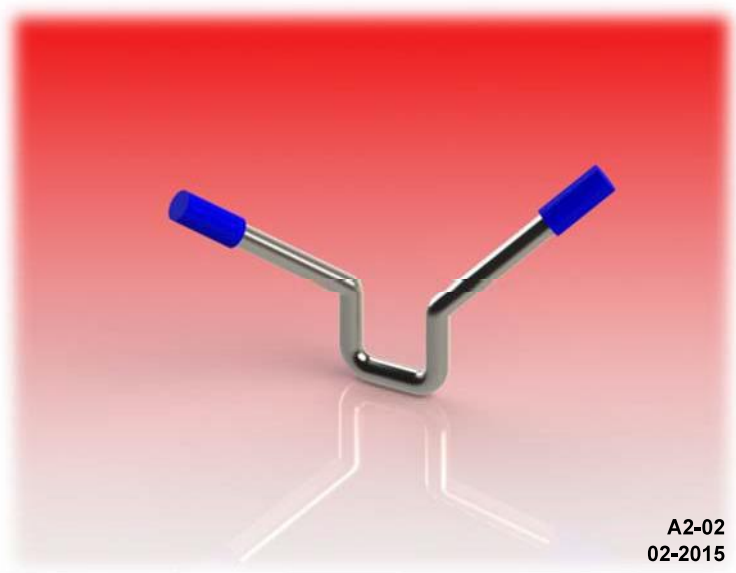
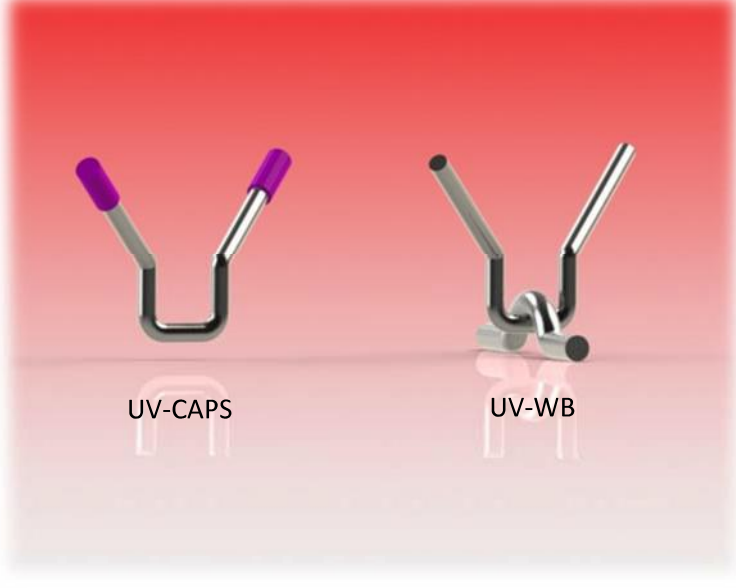
Our recommendations :

- Solution for single layer with small thickness, example : tubular wall of boiler .
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options : see details on page 6-1/6-2/6-3



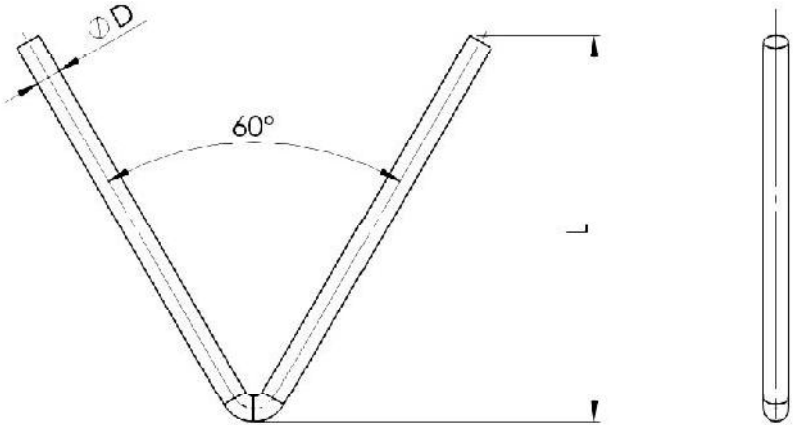
A2-02  
02-2015

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# CASTABLE ANCHOR

## V1.6(60)-070-310

TYPE Ø ANGLE LENGTH L ALLOY



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

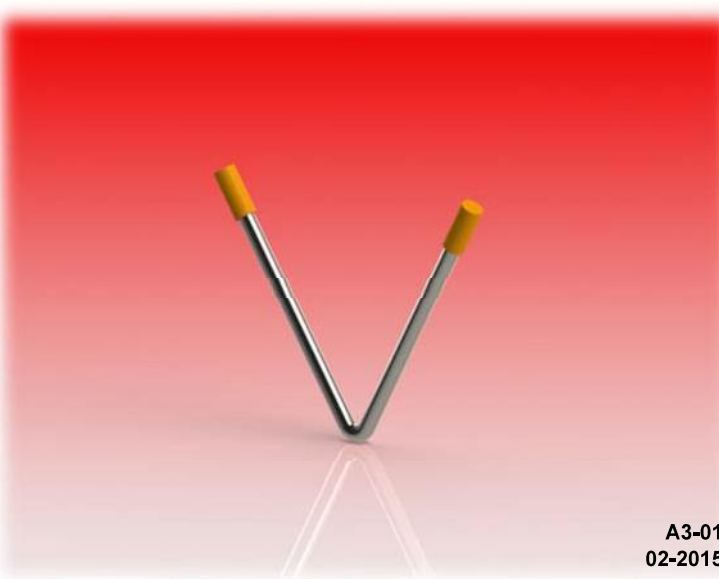
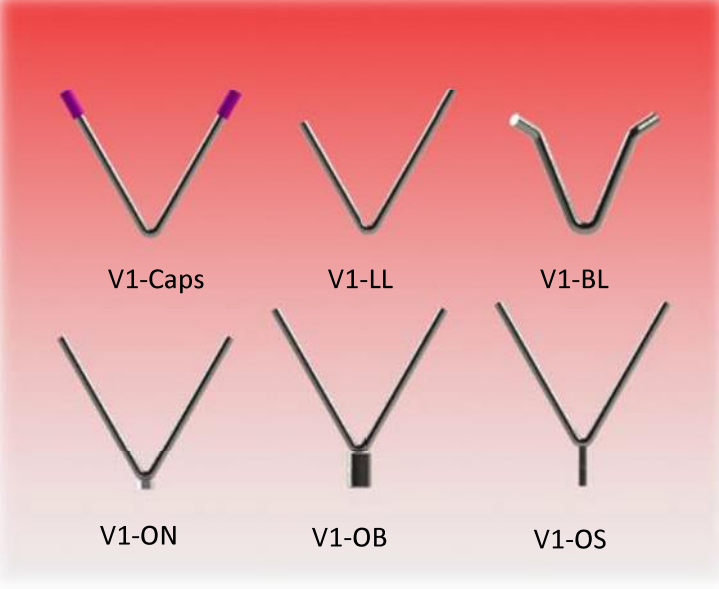
Our recommendations :

- CH anchor ( PAGE A1-03 ) allows easier, stronger, safer welding
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options : see details on page 6-1/6-2/6-3



A3-01  
02-2015

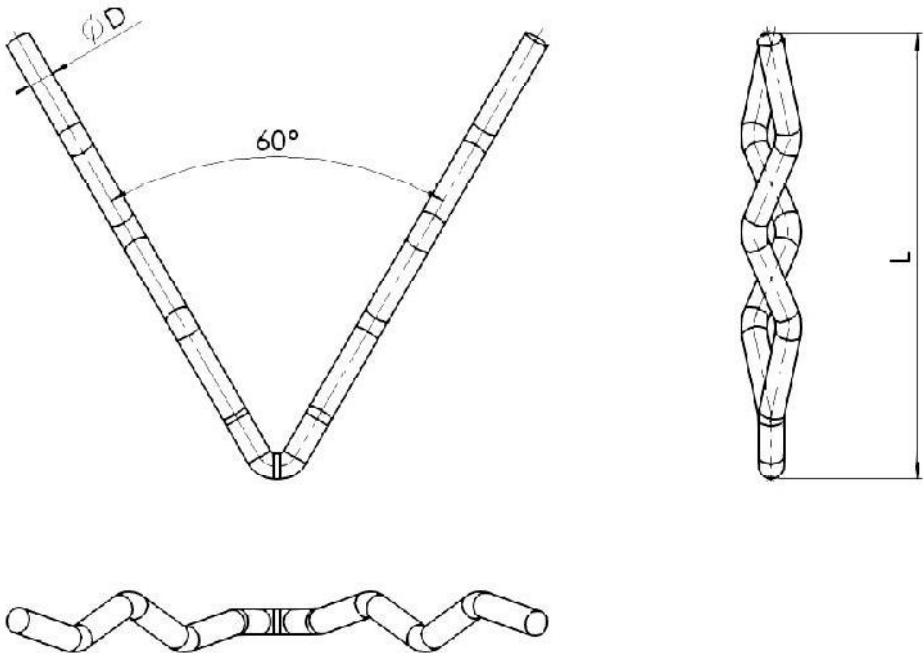
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**A-CASTABLE ANCHOR**

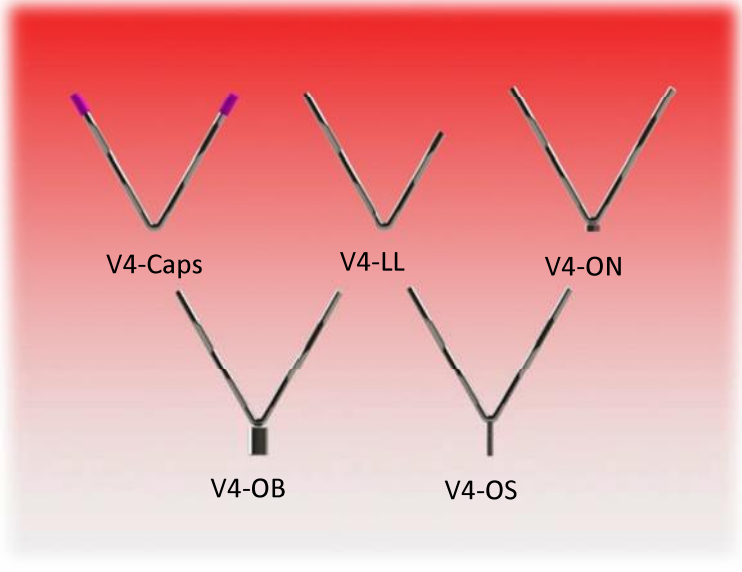
# CASTABLE ANCHOR

## V4.6(60)-070-310

TYPE Ø ANGLE LENGTH L ALLOY



Options : see details on page 6-1/6-2/6-3



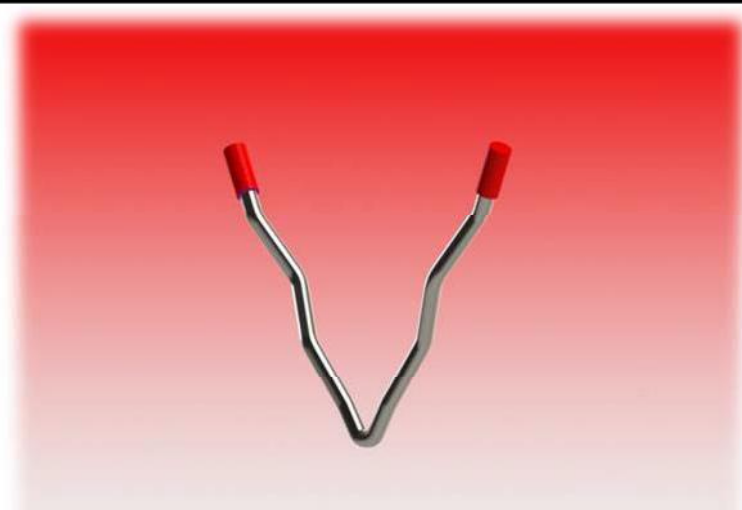
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Our recommendations :

- CH anchor ( PAGE A1-03 ) allows easier, stronger, safer welding
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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A3-02  
02-2015

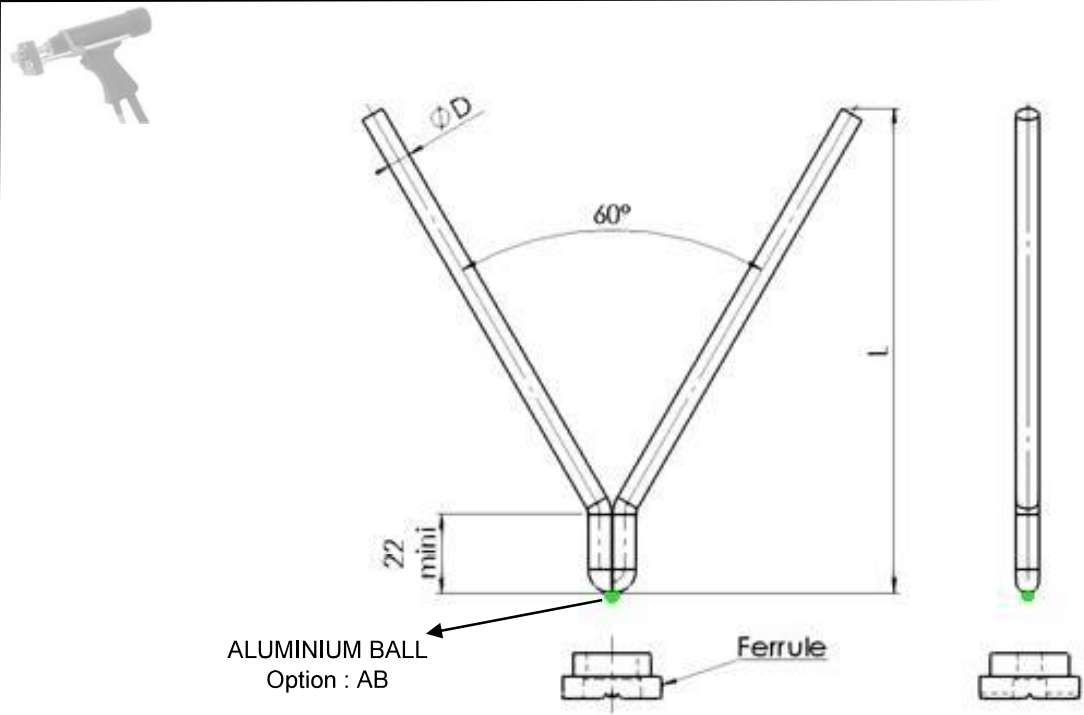
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**A-CASTABLE ANCHOR**



# CV1-AB.6(60)-110-310

TYPE WITH Ø ANGLE LENGTH L ALLOY  
ALUMINIUM BALL



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

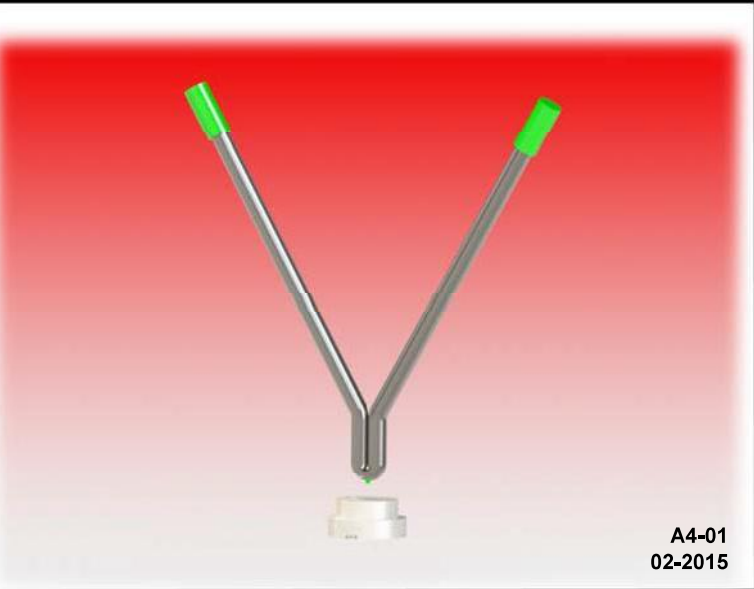
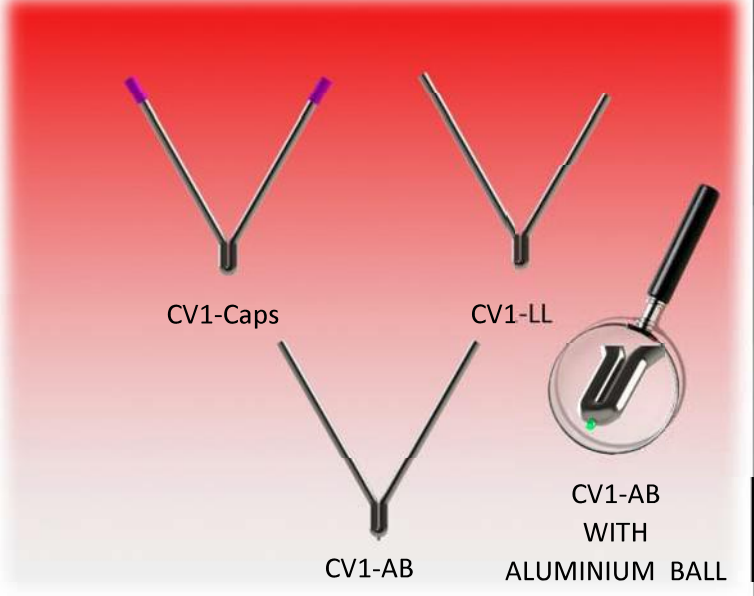
Our recommendations :

- CV4 , corrugated version, page A4-03, performs much better
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options :

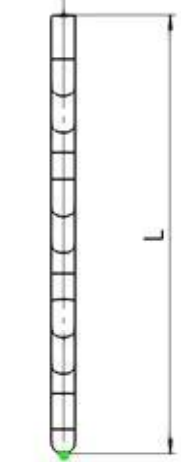
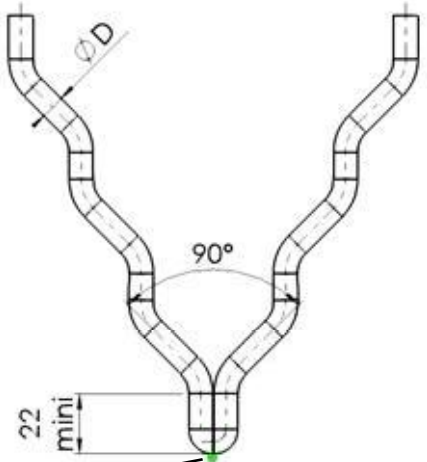


A4-01  
02-2015

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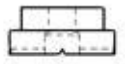
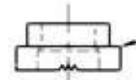
# CV2-AB.6(60)-120-310

TYPE WITH Ø ANGLE LENGTH L ALLOY  
ALUMINIUM BALL



ALUMINIUM BALL  
Option : AB

Ferrule



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

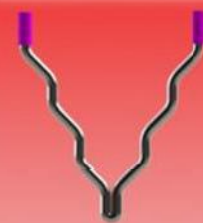
Our recommendations :

- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options :



CV2-Caps



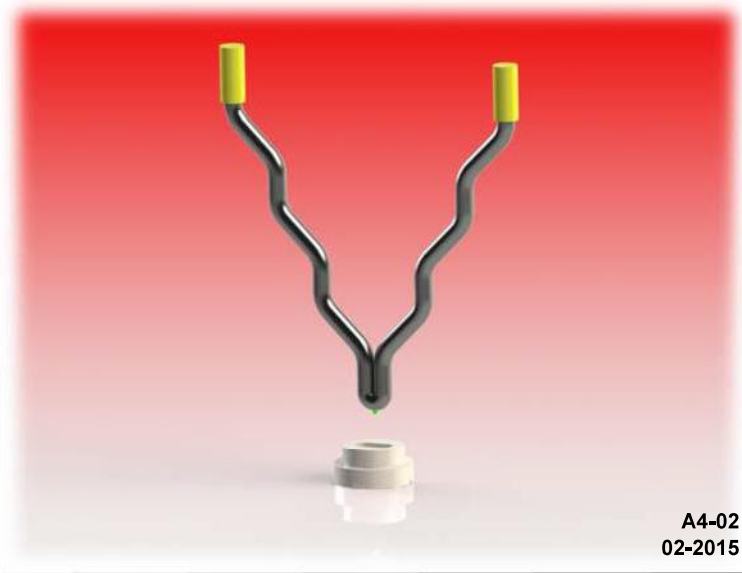
CV2-LL



CV2-AB



CV2 WITH ALUMINIUM BALL

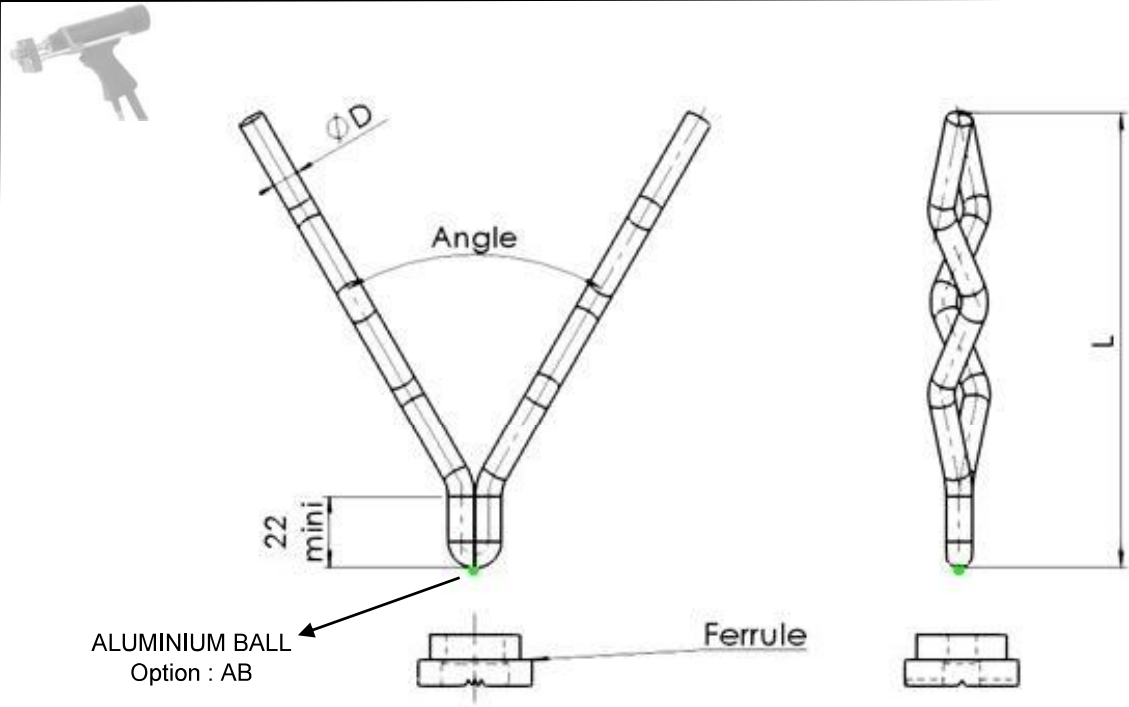


A4-02  
02-2015

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# CV4-AB.6(60)-130-304

TYPE WITH Ø ANGLE LENGTH L ALLOY  
ALUMINIUM BALL



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

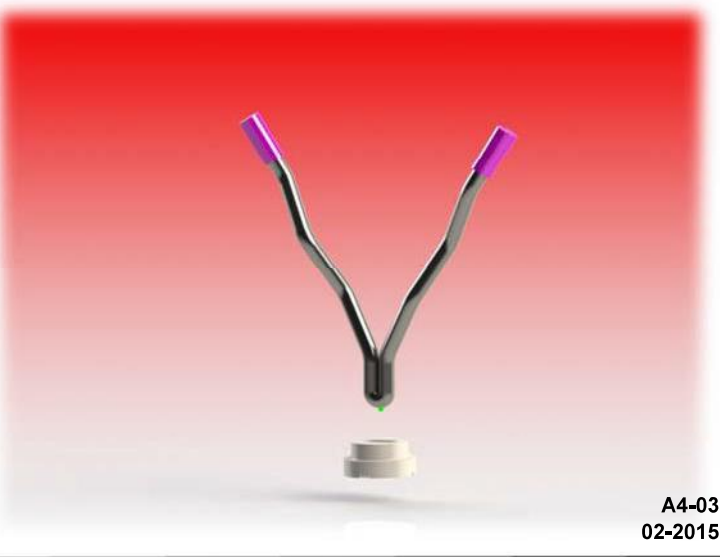
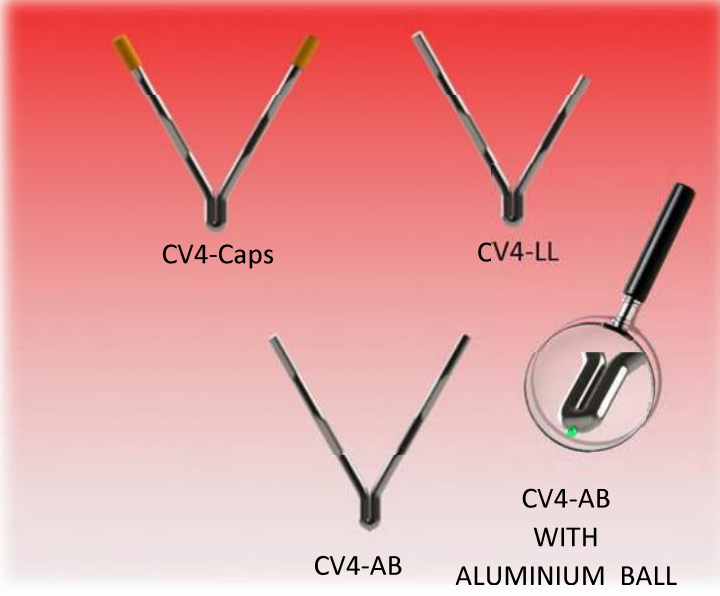
Our recommendations :

- CV4 is a 3 dimensional anchor, the best performing option of CV range
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options :

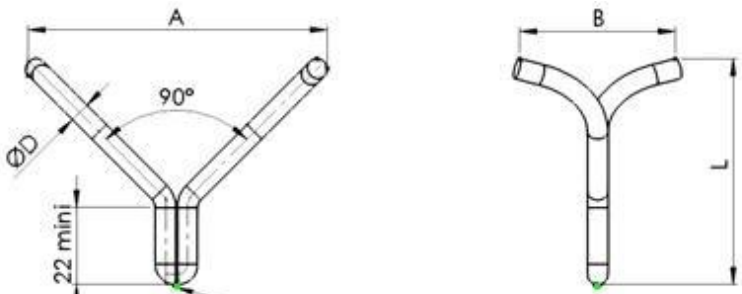


A4-03  
02-2015

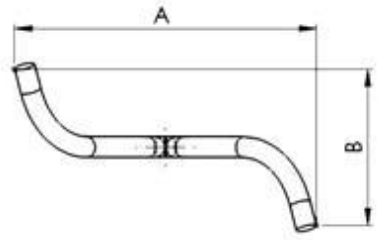
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# CV RL- AB.6(60)-120-304

TYPE WITH Ø ANGLE LENGTH L ALLOY  
ALUMINIUM BALL



Aluminium ball- Option: AB  
Ferrule: FER-126-000 for Ø6mm  
FER-168-000 for Ø8mm



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

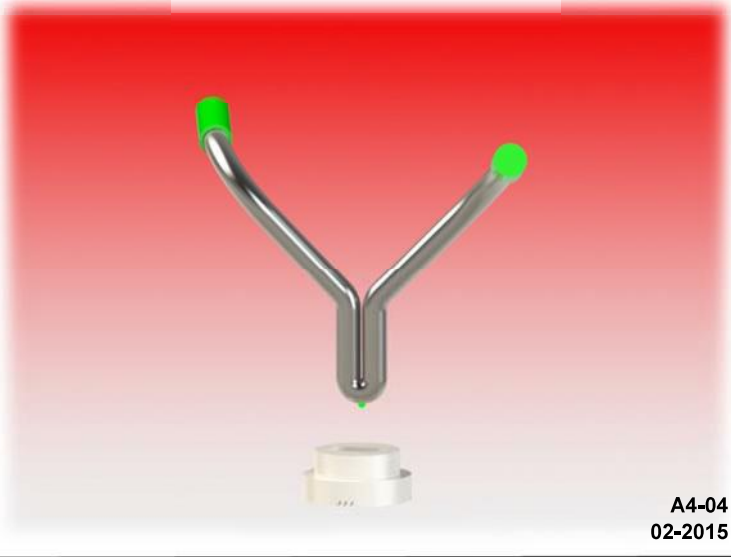
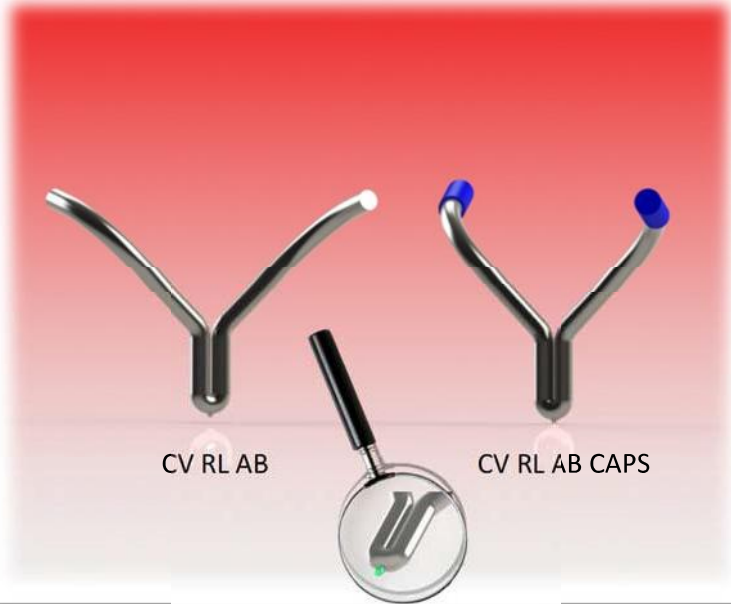
Our recommendations :

- For tubular walls in boilers.
- Special slimer ferrules are sometimes required when distance between tubes is too small
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options :

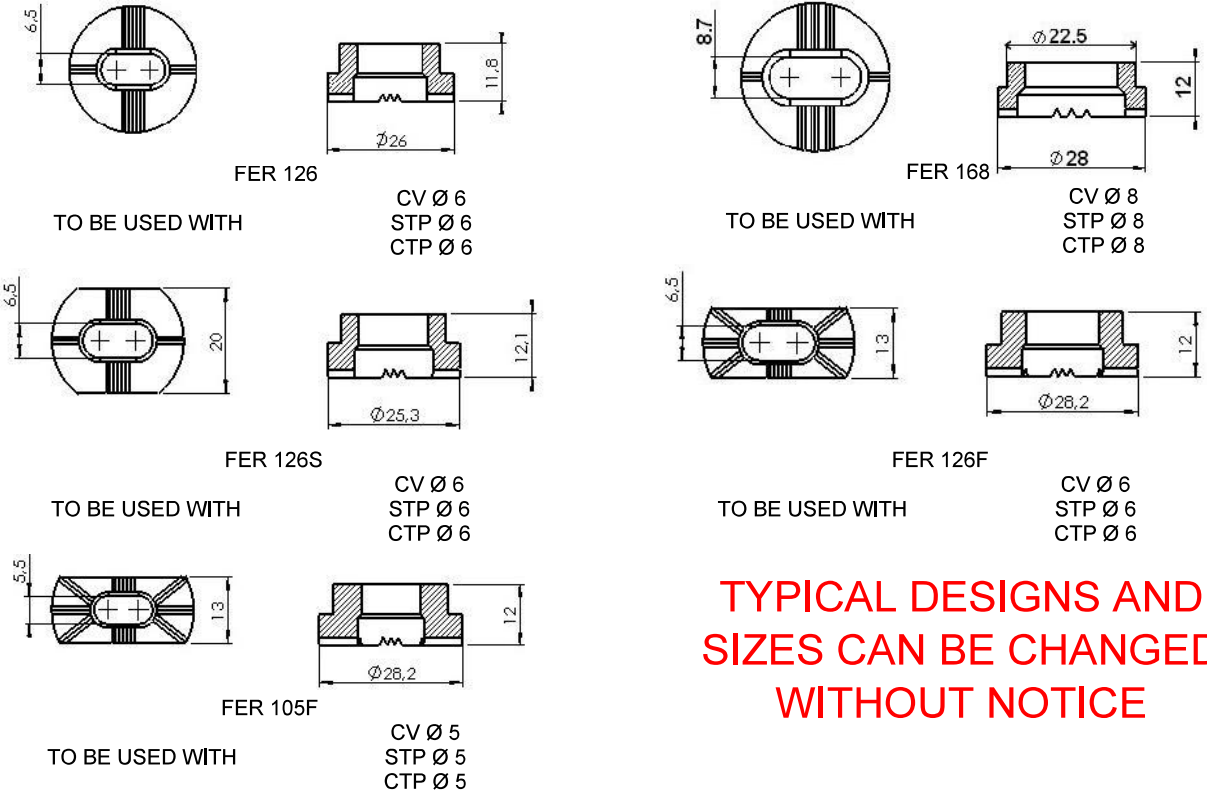


A4-04  
02-2015

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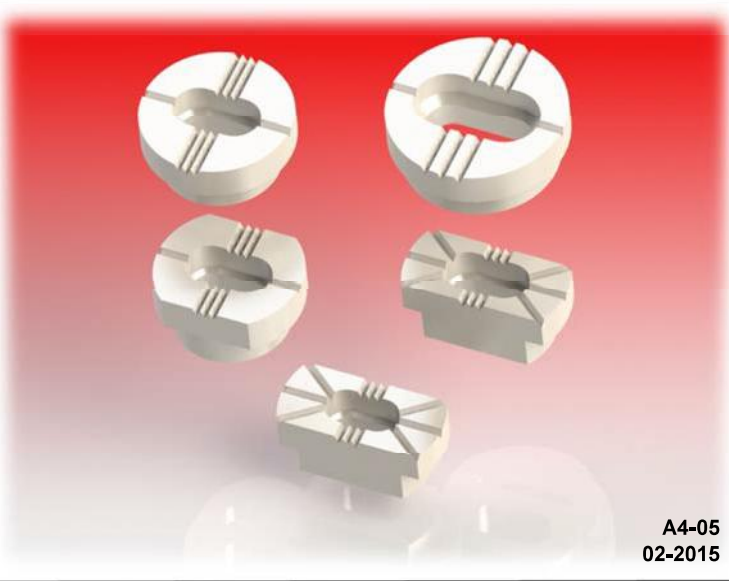
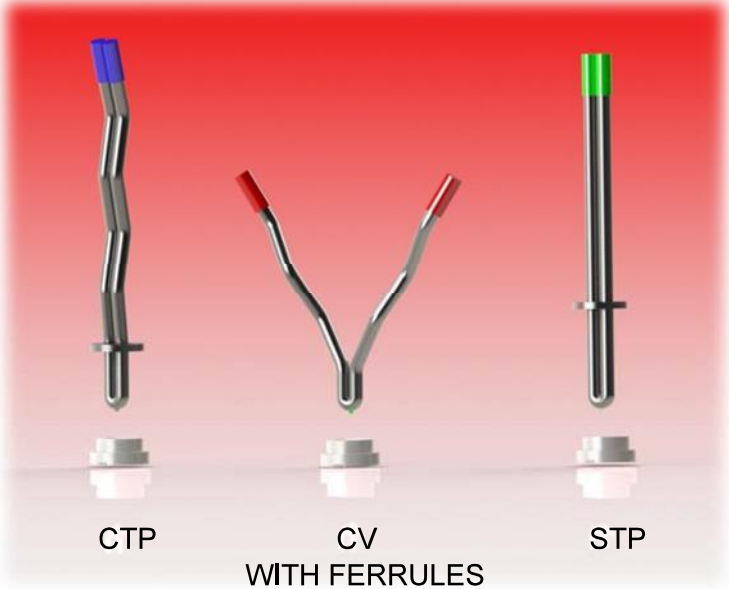
**A-CASTABLE ANCHOR**

# FERRULES



**TYPICAL DESIGNS AND SIZES CAN BE CHANGED WITHOUT NOTICE**

Options :



Our recommendations :



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A4-05  
 02-2015

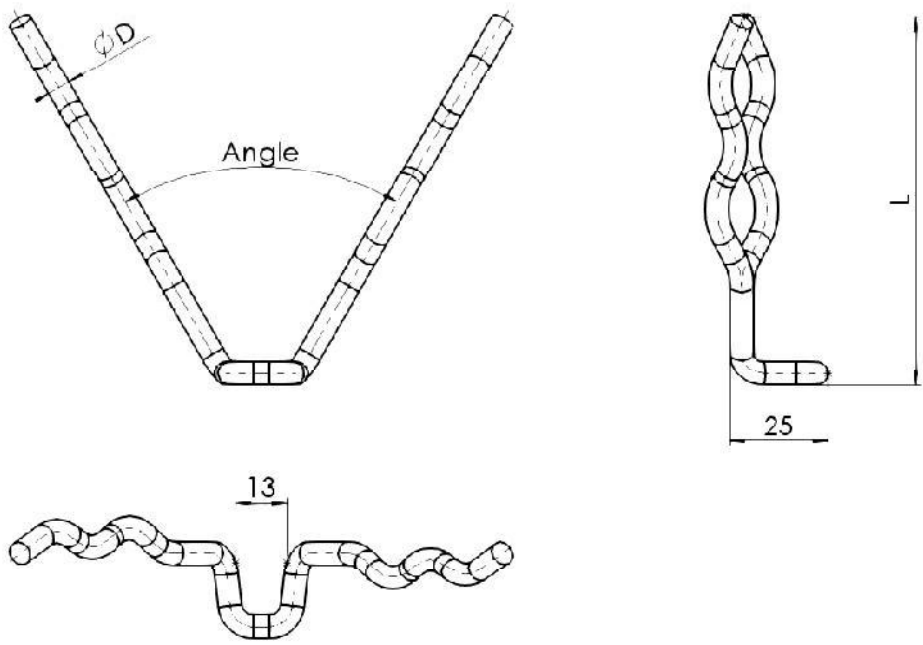
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# CASTABLE ANCHOR

## VS.6(60)-100-310

TYPE Ø ANGLE LENGTH L ALLOY



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

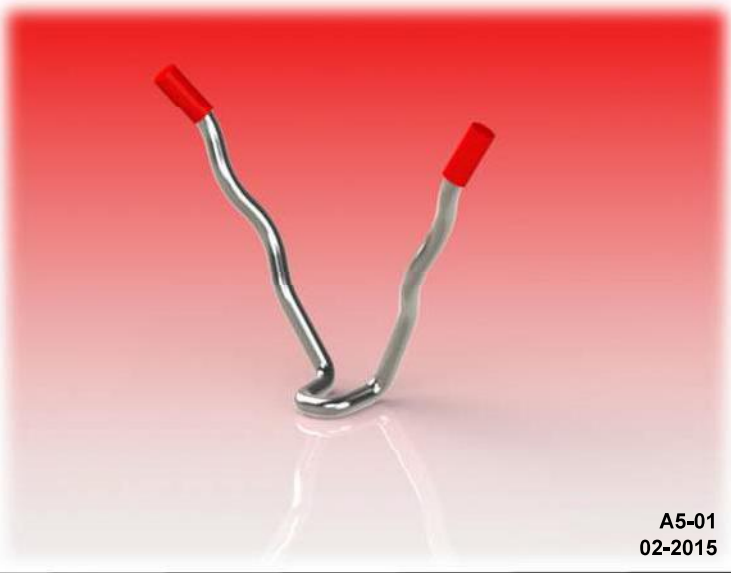
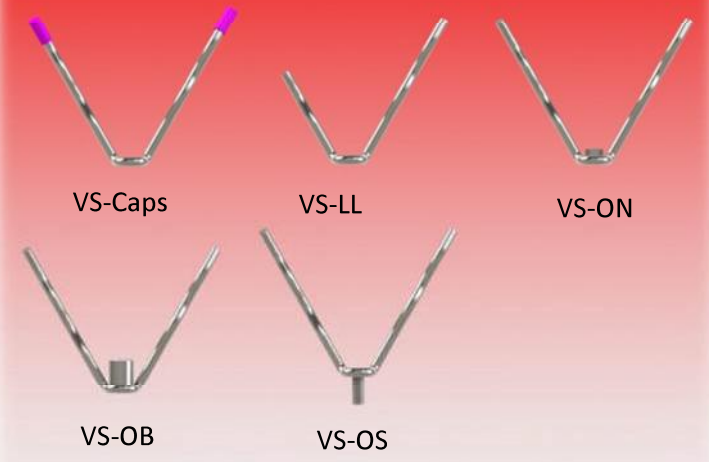
Our recommendations :

- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.
- The bent foot allows easier 90° positioning on steel casing and makes welding longer /stronger



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Options :



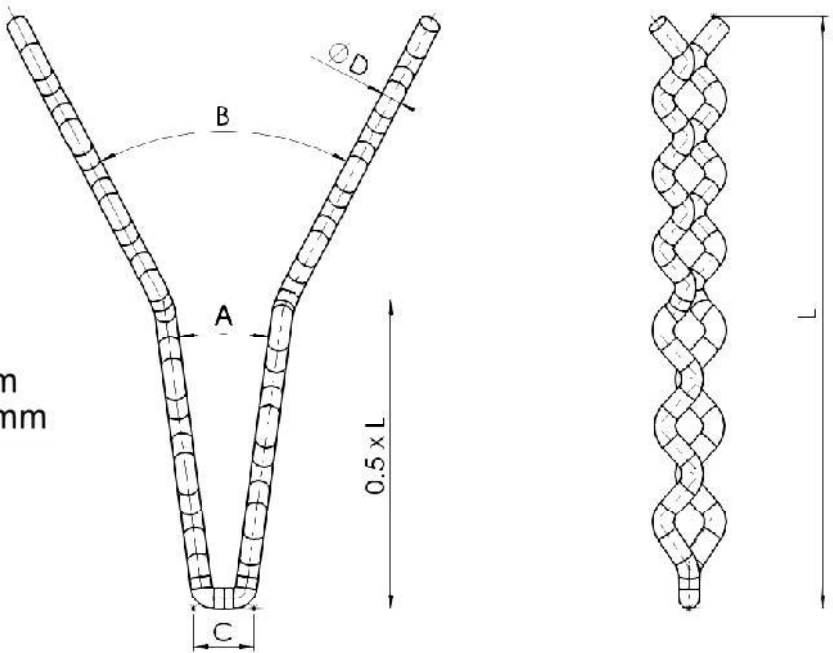
A5-01  
02-2015

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**A-CASTABLE ANCHOR**

# CBH.8(15/60)-300-310

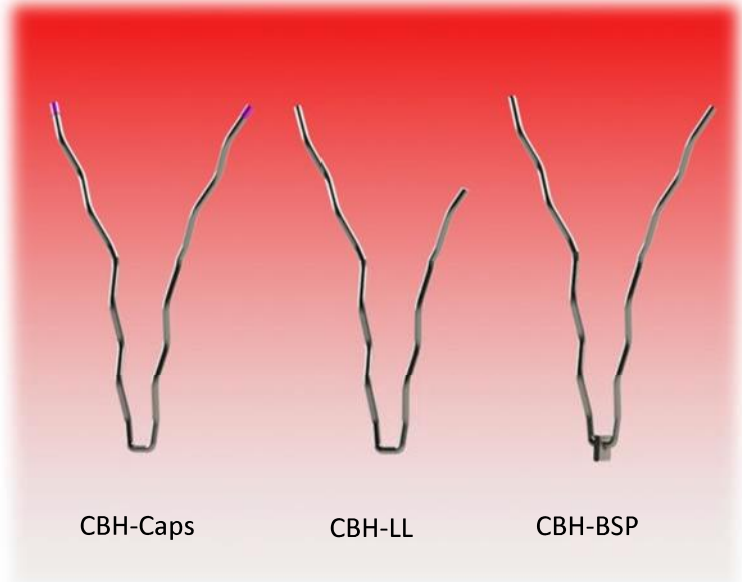
TYPE Ø ANGLE A / ANGLE B LENGTH L ALLOY



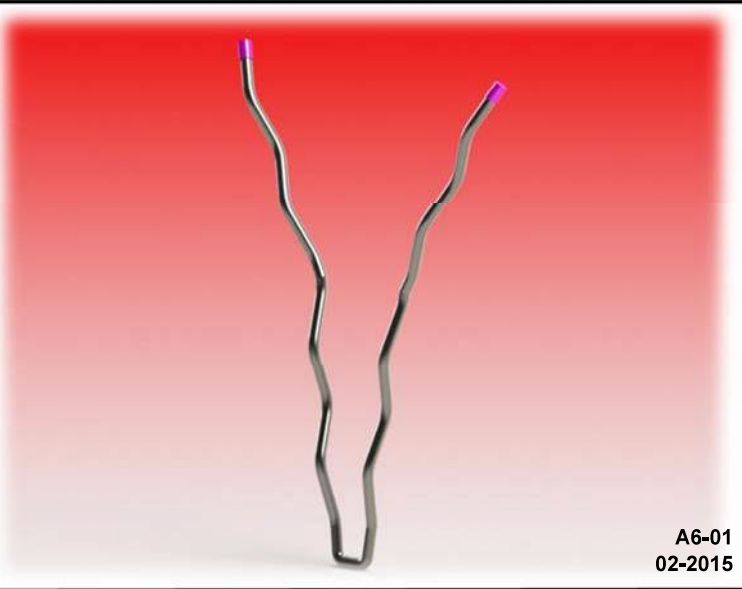
L min = 80mm  
 L max = 400mm  
 Ø10 C=35mm  
 Ø12 C=40mm  
 Ø16 C=50mm

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Options :



CBH-Caps      CBH-LL      CBH-BSP



A6-01  
02-2015

Our recommendations :

- For thicker linings.
- The 2 angles limit the opening at the head of the anchors
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.

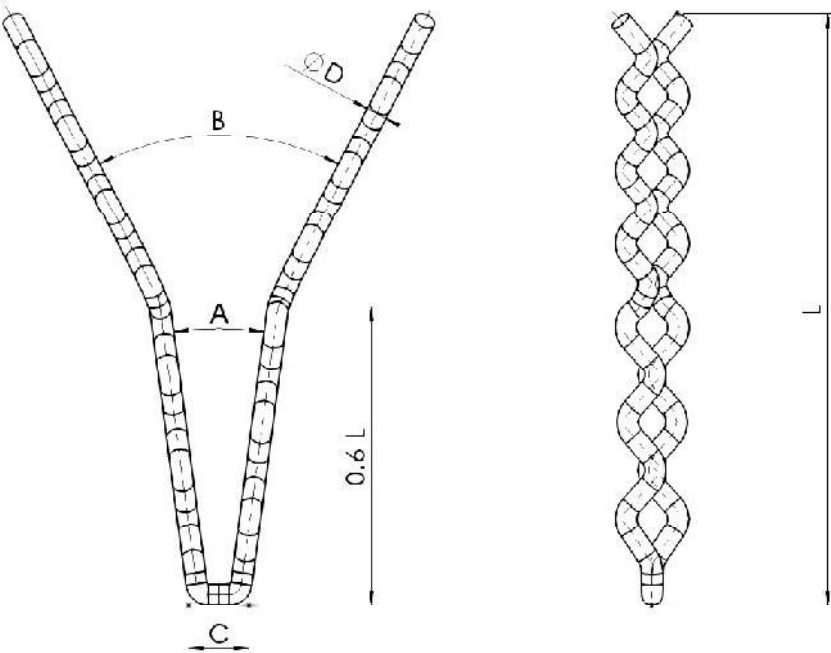


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# HBH.10(15/60)-550-330

TYPE	Ø	ANGLE / ANGLE		LENGTH L	ALLOY
		A	B		

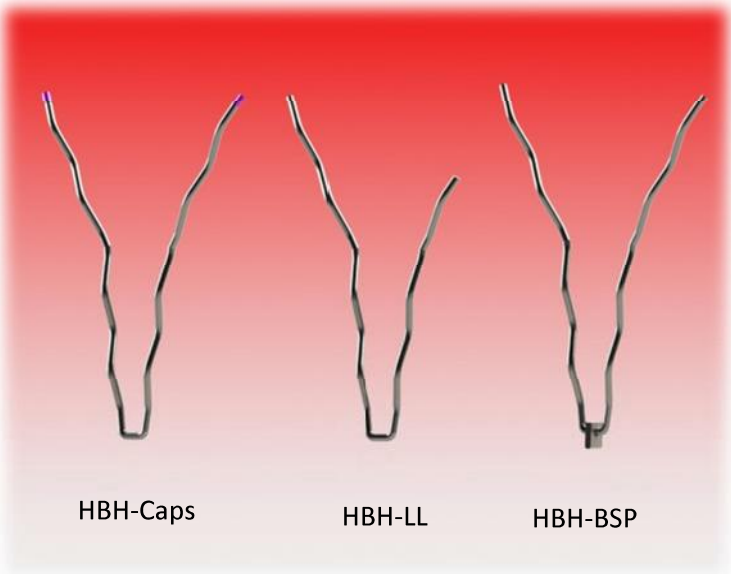


L min = 200mm  
L max = 800mm

Ø10 C=35mm  
Ø12 C=40mm  
Ø16 C=50mm

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Options :

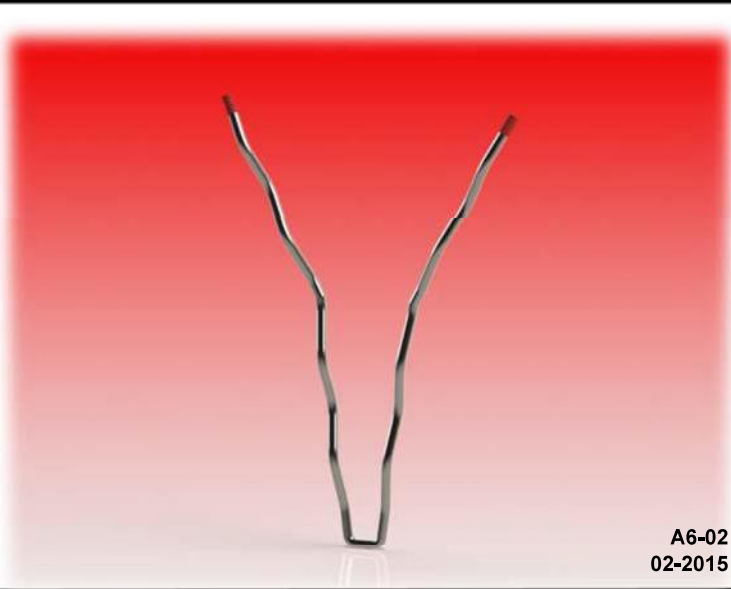


Our recommendations :

- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.
- The 2 angles limit the opening at the head of the anchors.



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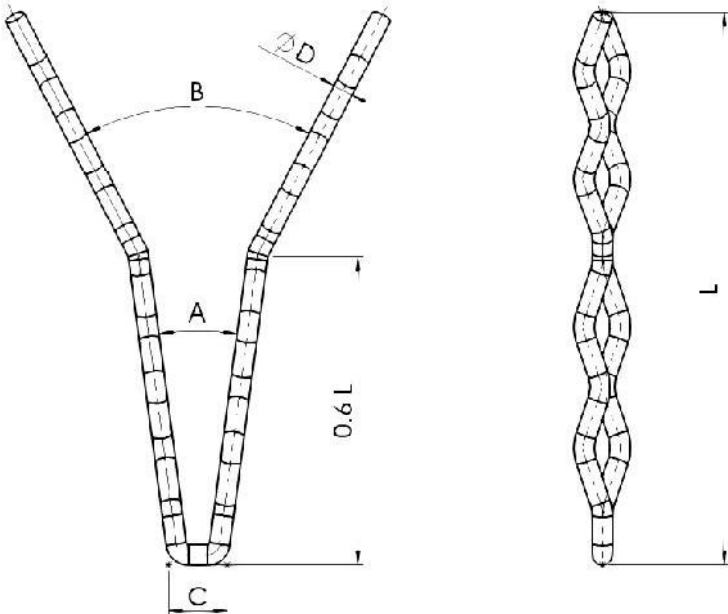
A6-02  
02-2015

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# HBR.16(15/60)- 400- 310

TYPE	Ø	ANGLE / ANGLE		LENGTH L	ALLOY
		A	B		



L min = 200mm  
 L max = 800mm  
 Ø10 C=35mm  
 Ø12 C=40mm  
 Ø16 C=50mm

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

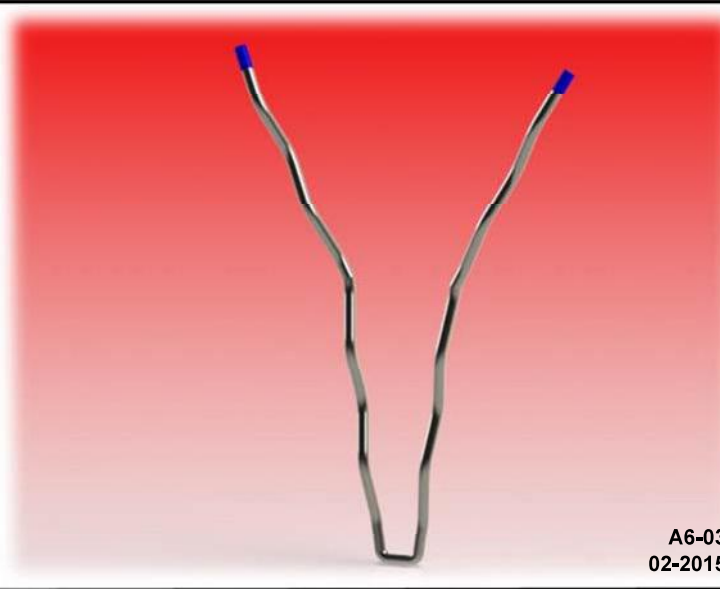
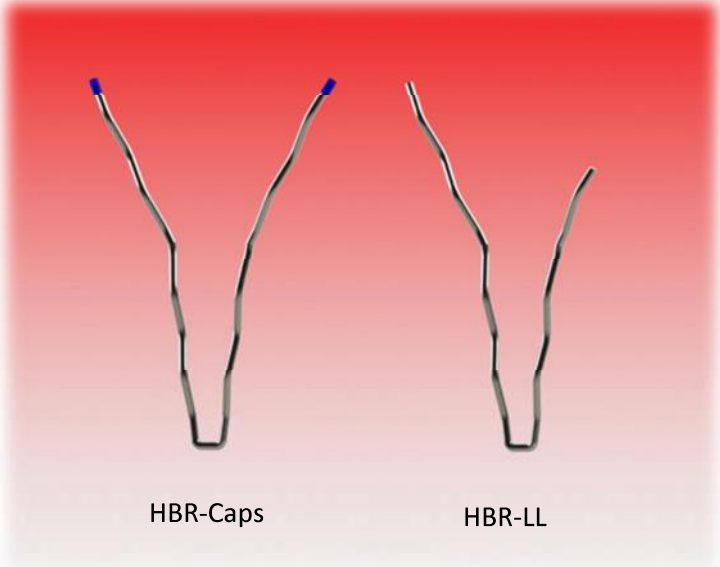
Our recommendations :

- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.
- The 2 angles limit the opening at the head of the anchors.



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Options :

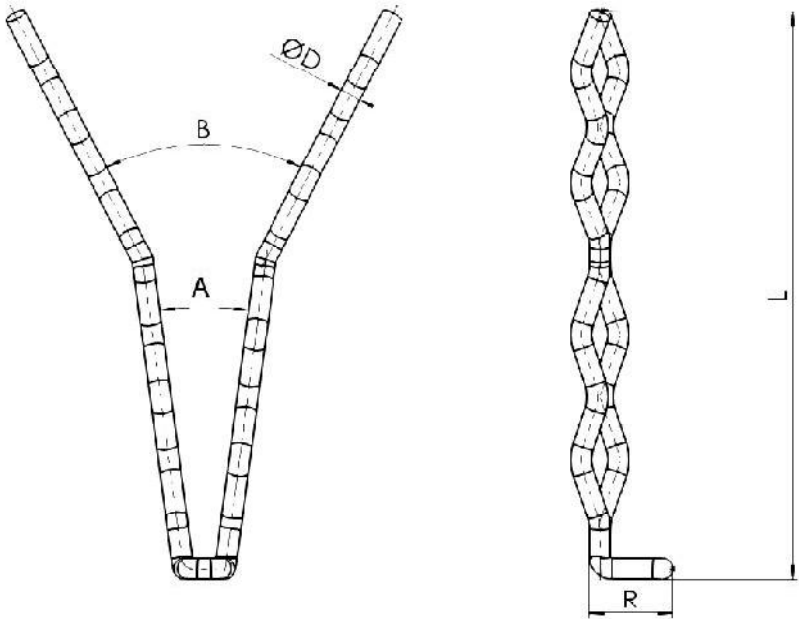


A6-03  
 02-2015

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# CBH.SG.8(15/55)-300-24-330

TYPE	Ø	ANGLE /ANGLE		LENGTH L	LENGTH R	ALLOY
		A	B			



L min = 80mm  
L max = 400mm

R= 4 X Ø

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

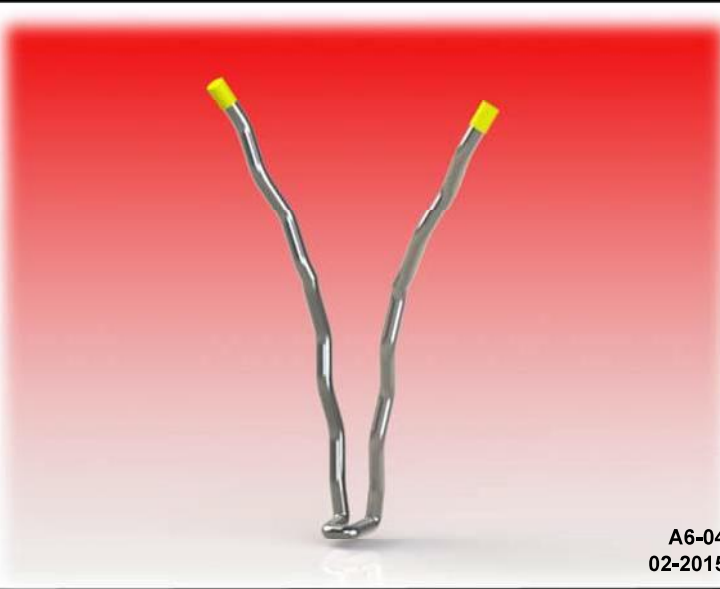
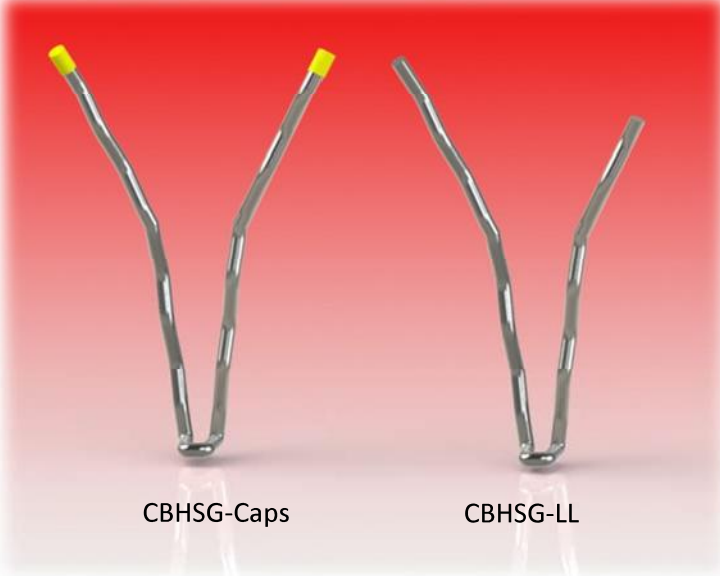
Our recommendations :

- The bent foot allows easier 90° positioning on steel casing and makes welding longer / stronger
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.
- The 2 angles limit the opening at the head of the anchors.



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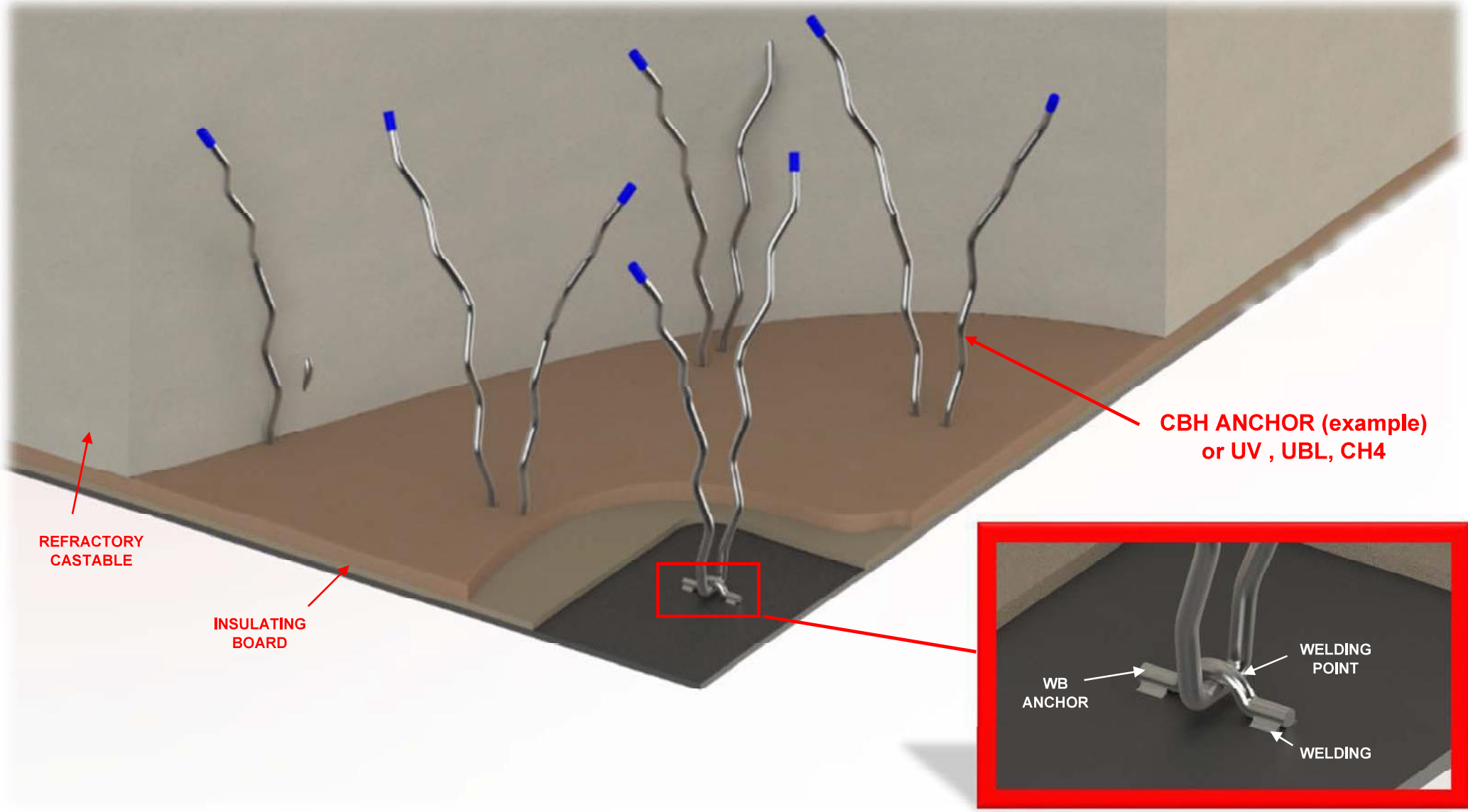
Options :



A6-04  
02-2015

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# CASTABLE ANCHOR



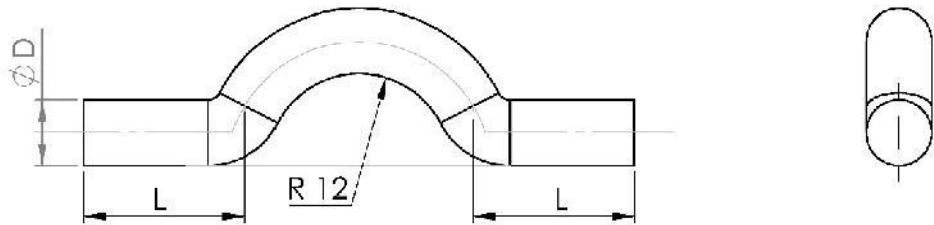
A6-05  
03-2015

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## A-CASTABLE ANCHOR

# WB.8.R12 /25 – 253 MA

TYPE    Ø    RADIUS R    LENGTH L    ALLOY



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Our recommendations :



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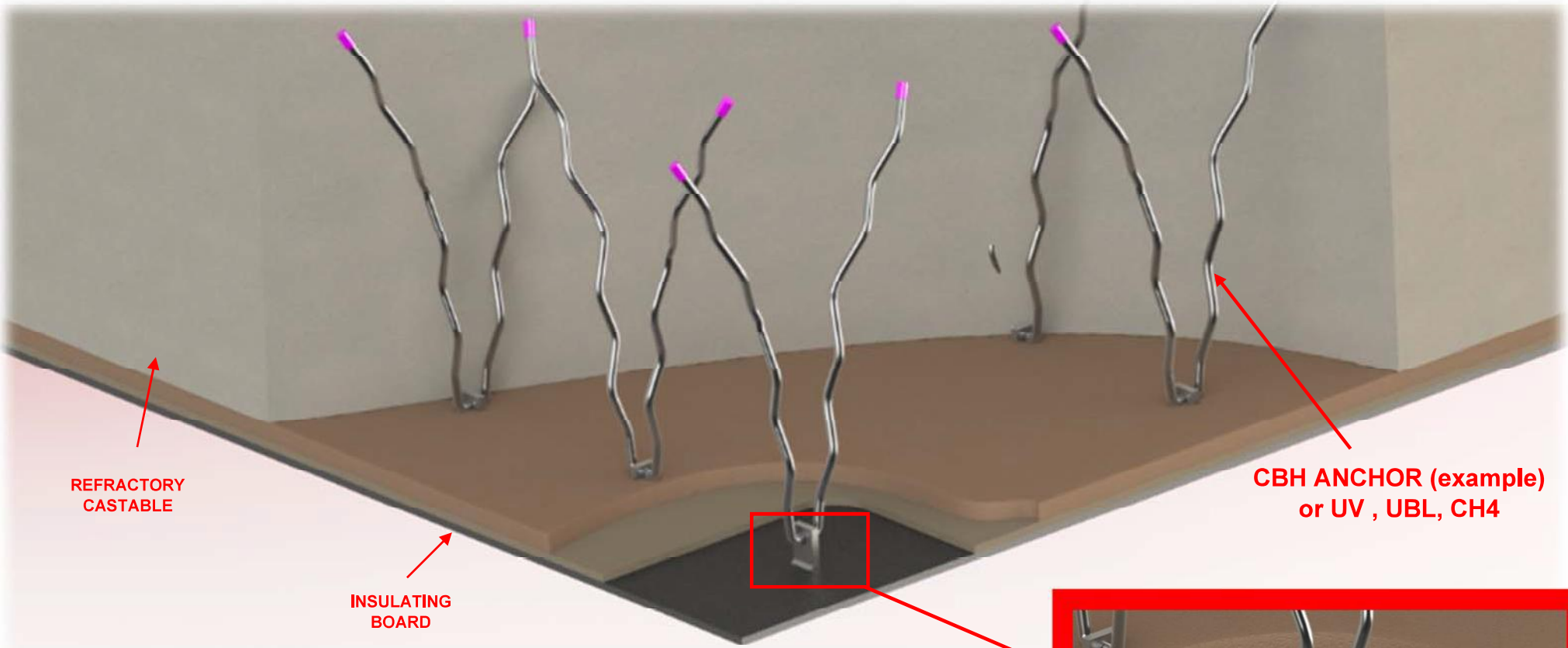
Options :



A6-06  
03-2015

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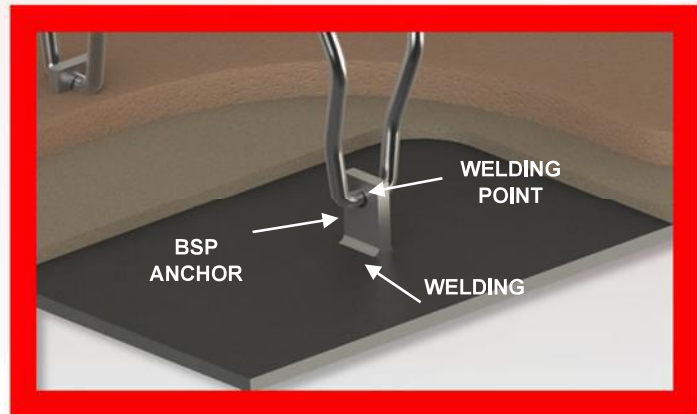
# CASTABLE ANCHOR



REFRACTORY CASTABLE

INSULATING BOARD

CBH ANCHOR (example) or UV, UBL, CH4



A6-07  
06-2015

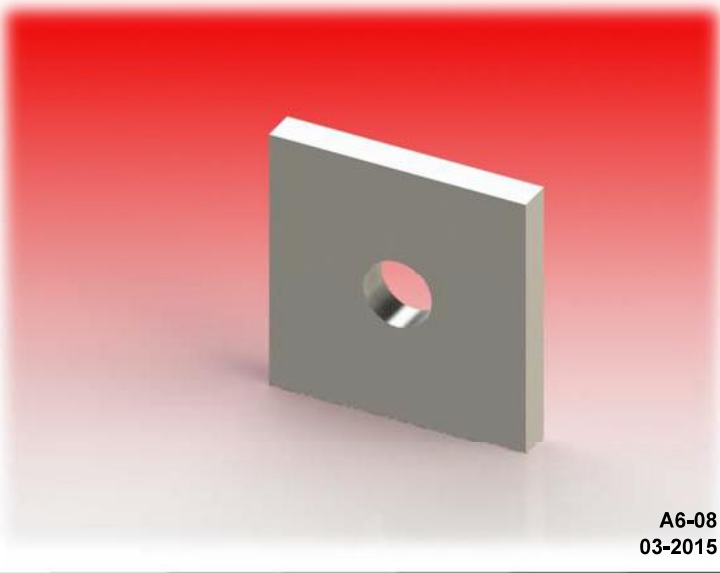
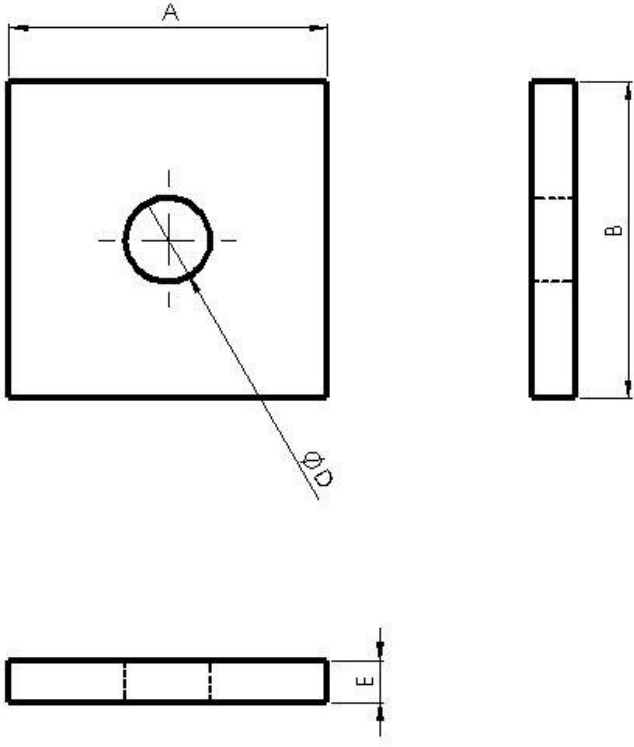
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## A-CASTABLE ANCHOR

# BSP.30.30. 4 – 8 - 304

TYPE	LENGTH A	LENGTH B	E	Ø D	ALLOY
------	-------------	-------------	---	--------	-------

Options :



Our recommendations :



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03-2015

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**A-CASTABLE ANCHOR**

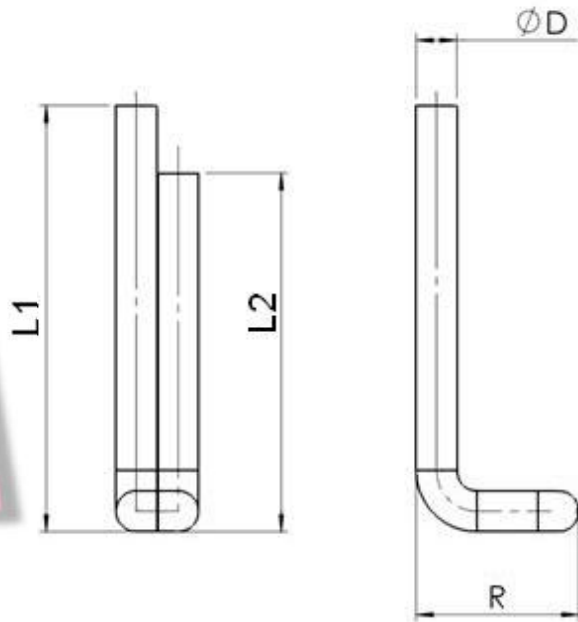
## STH.8-080/075-25-310

TYPE	Ø	LENGTH / LENGTH	LENGTH	ALLOY
		L1	L2	R

Option - WASHERS

DIN 125  
 Dia 5 - M 10 (20 x 10.5 x 2)  
 Dia 6 - M 12 (24 x 13 x 2.5)  
 Dia 8 - M 16 (32 x 17 x 3)

SEE PAGE



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

### Our recommendations :

- Washers in Carbon steel or aisi 304
- We highly recomander aisi 304
- A corrugated version (PAGE A7 02) performing much better.
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options :



STH-Caps

STH-LL

STH-Open  
60° or 90°

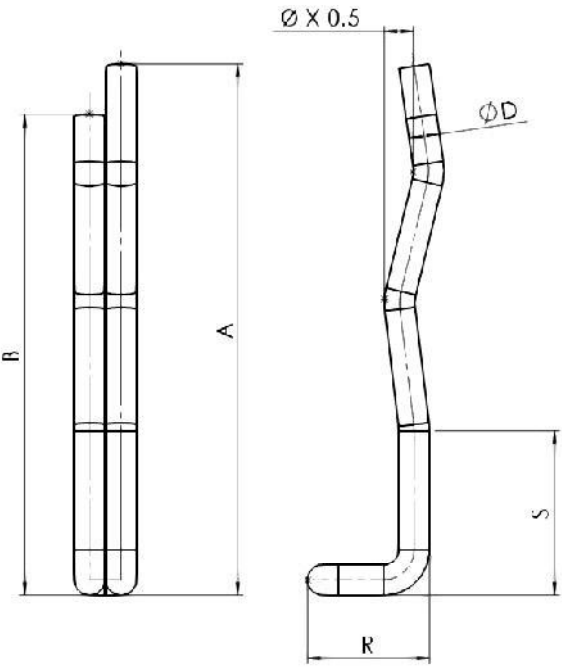


A7-01  
02-2015

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# CTH.8-150/140(40)-25-310

TYPE	Ø	LENGTH / LENGTH	STEP	LENGTH	ALLOY
		A	B	S	R



*Option - WASHERS*

*DIN 125*  
 Dia 5 - M 10 (20 x 10.5 x 2)  
 Dia 6 - M 12 (24 x 13 x 2.5)  
 Dia 8 - M 16 (32 x 17 x 3)

*SEE PAGE*

S = back up insulation thickness

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Our recommendations :

- Washers in Carbon steel or aisi 304
- We highly recommander aisi 304
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable



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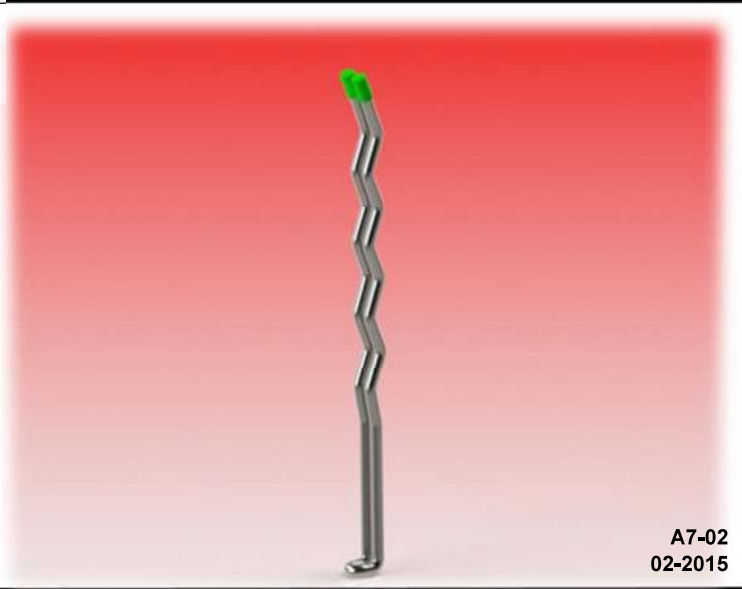
Options :



CTH-Caps

CTH-LL

CTH-Open  
60° or 90°



A7-02  
02-2015

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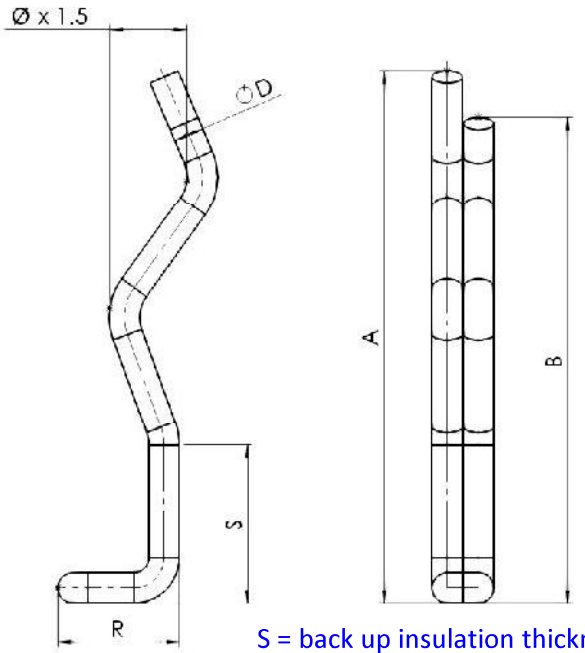
# HTH.6-150/140(40)-25-310

TYPE	Ø	LENGTH / LENGTH STEP	LENGTH	ALLOY
		A B S R		

*Option - WASHERS*

*DIN 125*  
 Dia 5 - M 10 (20 x 10.5 x 2)  
 Dia 6 - M 12 (24 x 13 x 2.5)  
 Dia 8 - M 16 (32 x 17 x 3)

*SEE PAGE*



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

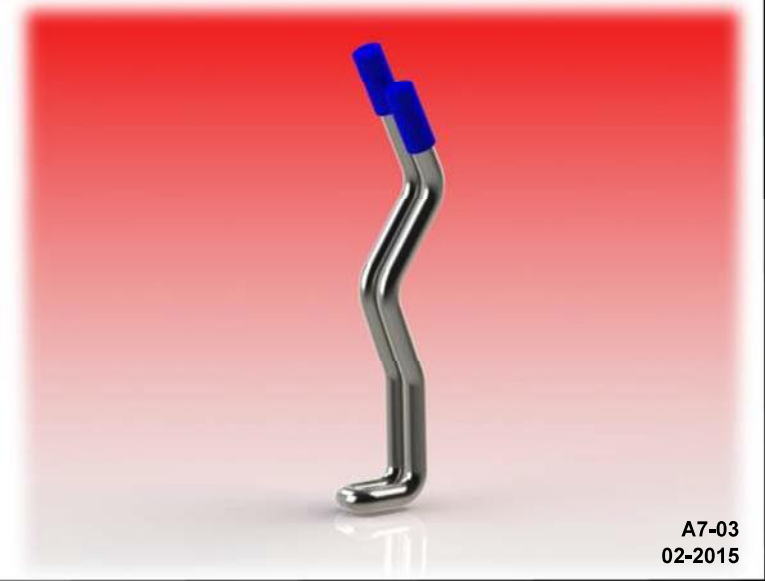
Our recommendations :

- Washers in Carbon steel or aisi 304
- We highly recommander aisi 304
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable



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Options :



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# STP-AB.6- 150 - 304

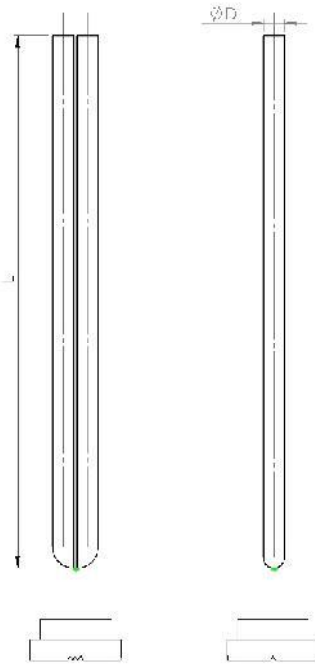
TYPE WITH Ø LENGTH A ALLOY  
ALUMINIUM BALL



*Option - WASHERS*

DIN 125  
 Dia 5 - M 10 (20 x 10.5 x 2)  
 Dia 6 - M 12 (24 x 13 x 2.5)  
 Dia 8 - M 16 (32 x 17 x 3)

SEE PAGE



*Option - Aluminium Ball*

*Recommended for gun welding*

SEE PAGE

FERRULE  
SEE PAGE

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

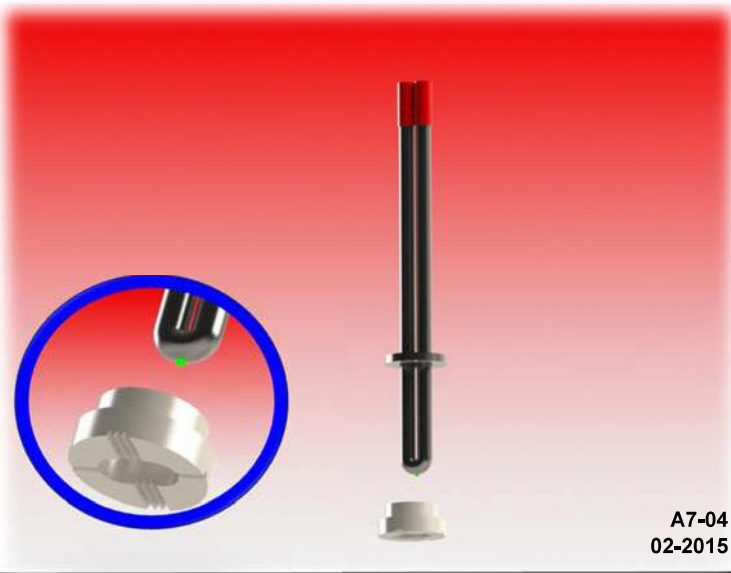
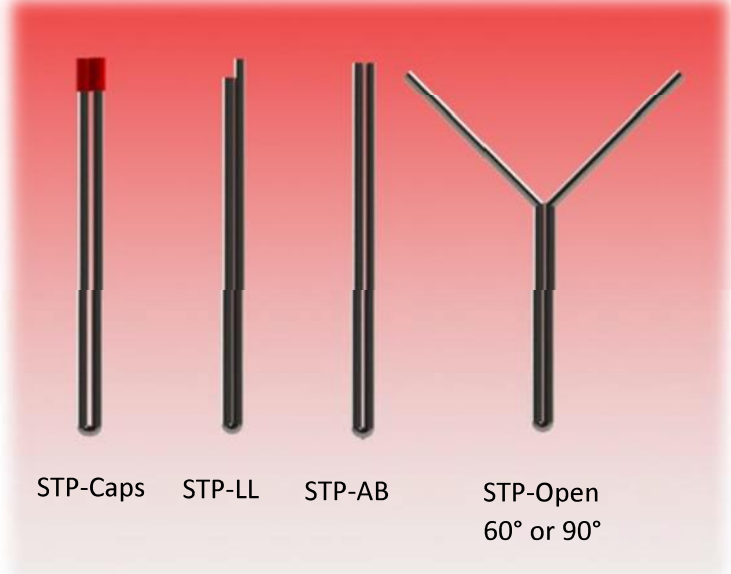
Our recommendations :

- A corrugated version (PAGE A7-05) perform much better
- Washers in Carbon steel or aisi 304
- We highly recommander aisi 304
- Remember that after stud welding,you loose around 3 mil in length adapt length



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Options :



A7-04  
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# CTP-AB.8 -140 / 130(30) - 304

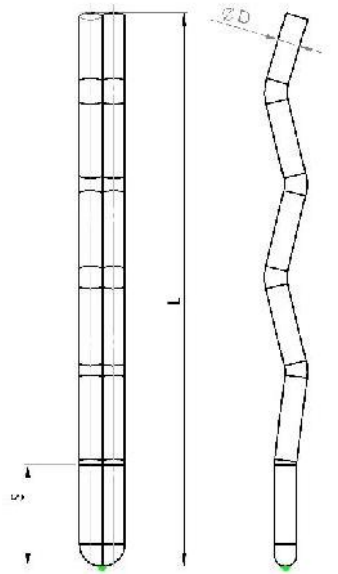
TYPE WITH Ø LENGTH / LENGTH STEP ALLOY  
ALUMINIUM BALL A B S



**Option - WASHERS**

DIN 125  
 Dia 5 - M 10 (20 x 10.5 x 2)  
 Dia 6 - M 12 (24 x 13 x 2.5)  
 Dia 8 - M 16 (32 x 17 x 3)

SEE PAGE



**Option - Aluminium Ball**

Recommended for gun welding

SEE PAGE

S = back up insulation thickness

FERRULE  
SEE PAGE

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

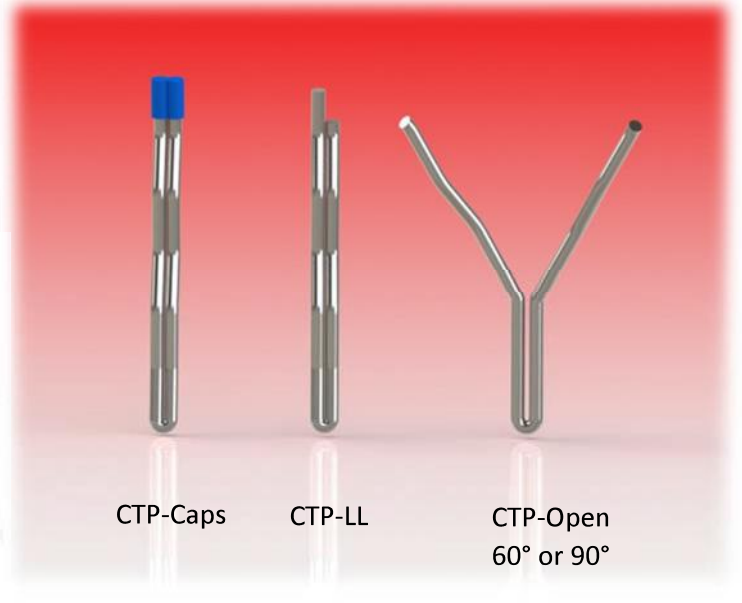
Our recommendations :

- Washers in Carbon steel or aisi 304
- We highly recomander aisi 304
- Remember that after stud welding,you loose around 3 mil in length adapt length



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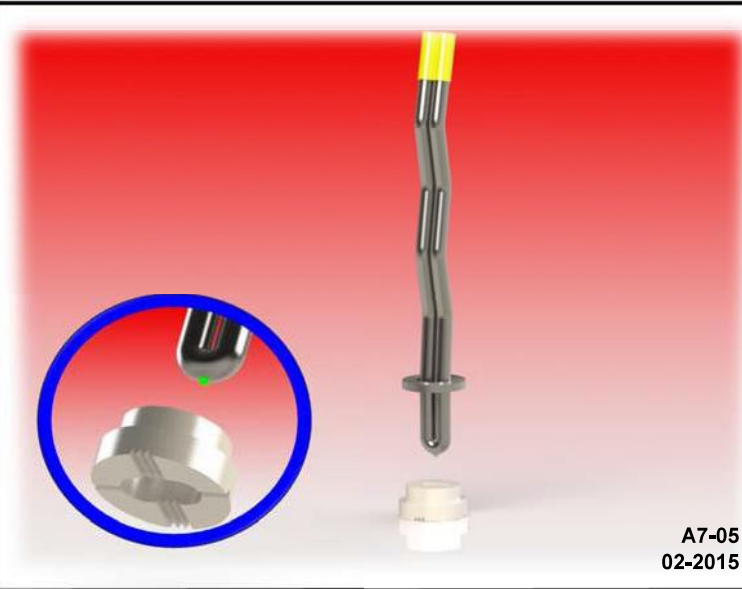
Options :



CTP-Caps

CTP-LL

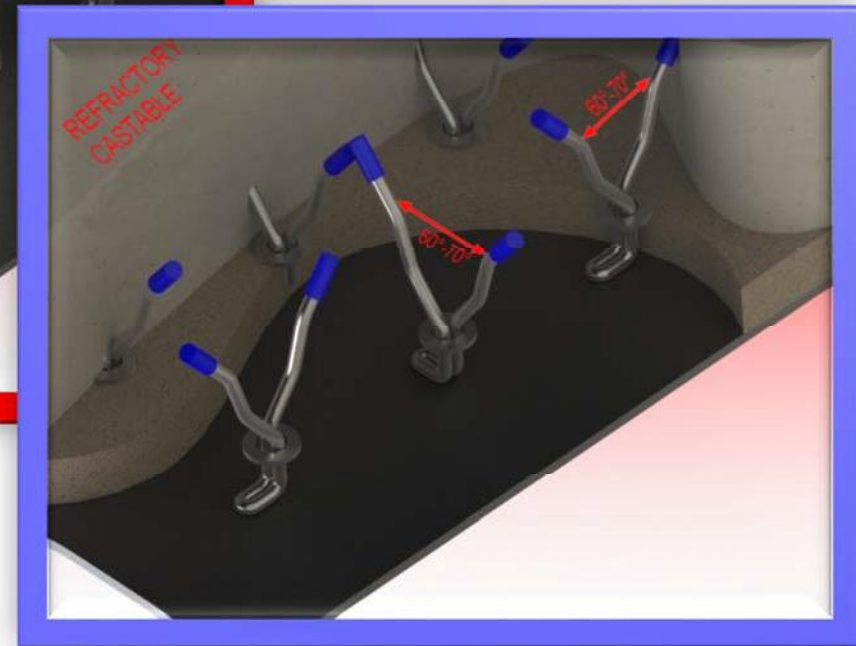
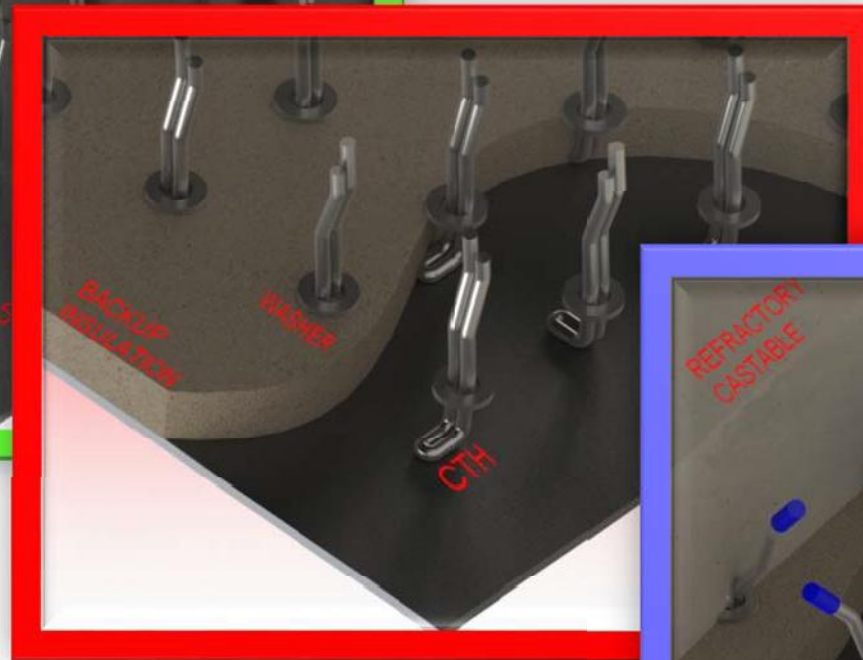
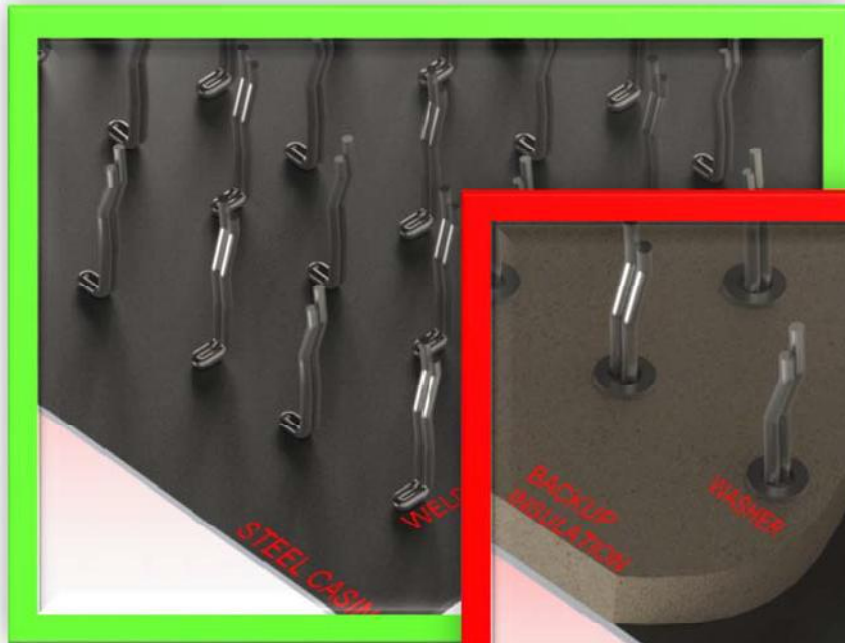
CTP-Open  
60° or 90°



A7-05  
02-2015

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**ANCHOR TWIN PIN**  
**HAND WELDING**



**ANCHORS**  
**STH – CTH - HTH**

## ANCHOR TWIN PIN - STUD WELDING

### Option : AB

#### Aluminium Ball

Ex : CTP.6 – 120/110-310-AB

SEE PAGE : Page 7-2



TYPICAL WELDING GUN



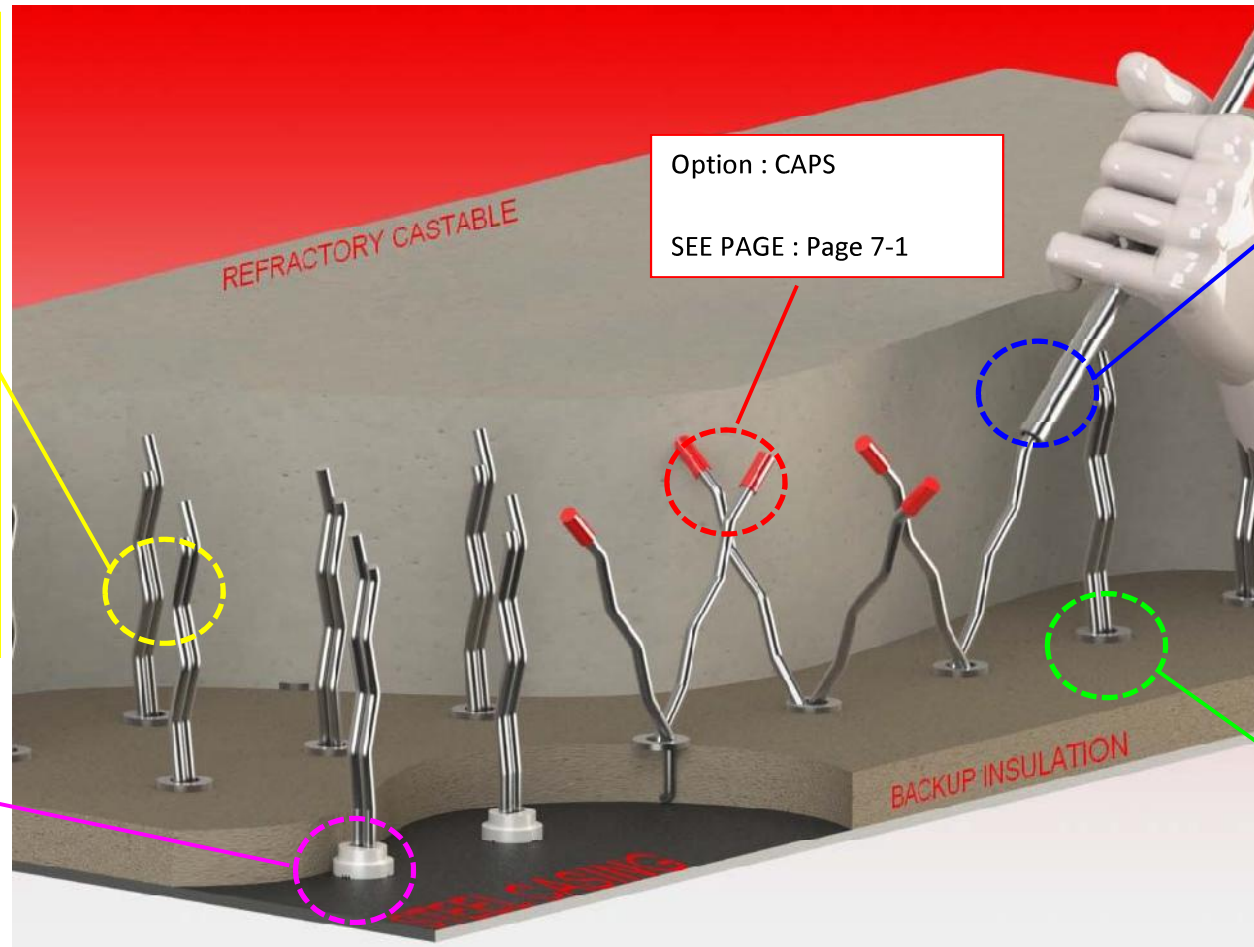
### Option : FERRULES

Ø 5 = FER 105

Ø 6 = FER126

Ø 8 = FER 168

SEE PAGE : A4-05



Using a strong tube helps when opening the angle (opening the 2 pins)

### Option : CAPS

SEE PAGE : Page 7-1

### Option : Washer

DIN 125

Ø 5 = M 10 (20x10.5x2)

Ø 6 = M 12 (24x13x2.5)

Ø 8 = M 16 (32x17x3)

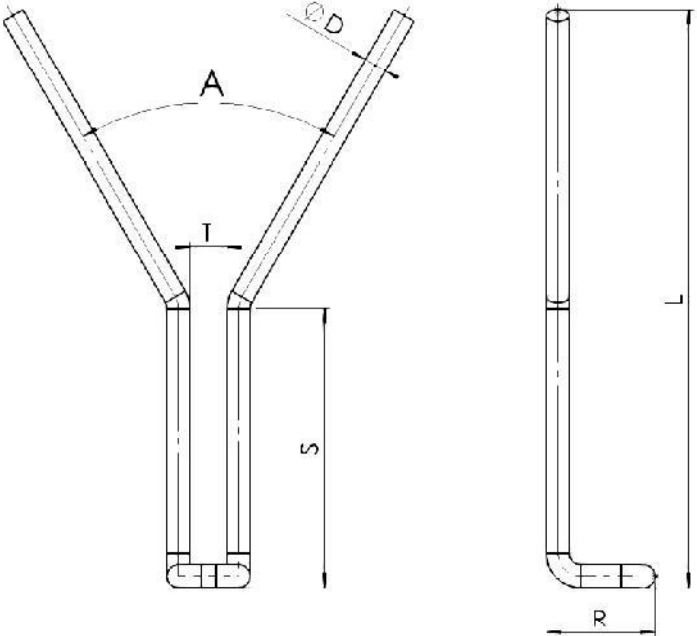
When using a stud welding technique, you loosen more or less 3 mil in length, don't forget to add 3 mil to the required final length.

## ANCHORS

## STP – CTP

TWA.8(60)-180(80)-32-310

TYPE	Ø	ANGLE	LENGTH	STEP	LENGTH	ALLOY
		A	L	S	R	



- Ø 6 mm T = 13 mm
- Ø 8 mm T = 13 mm
- Ø 10 mm T = 15 mm

$R = 4 \times \text{Ø}$

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Our recommendations :

- The bent foot allows easier 90° positioning on steel casing and makes welding longer / stronger
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options :



TWA-Caps

TWA-LL

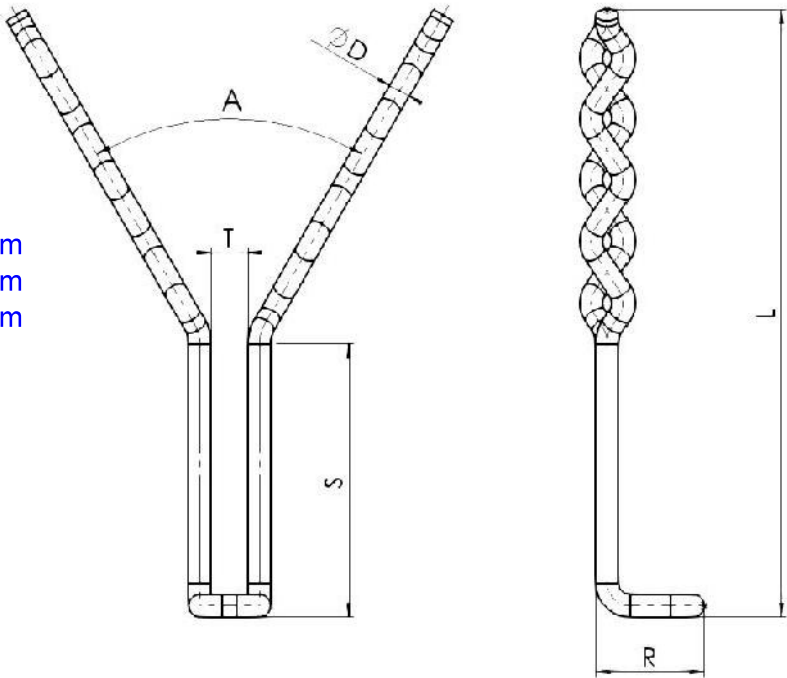


A8-01  
02-2015

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# TWM.8(60)-180(80)-32-304

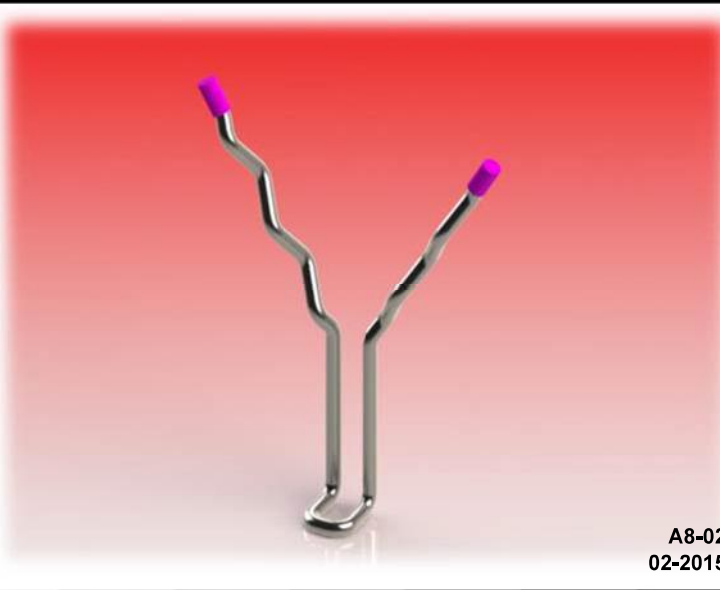
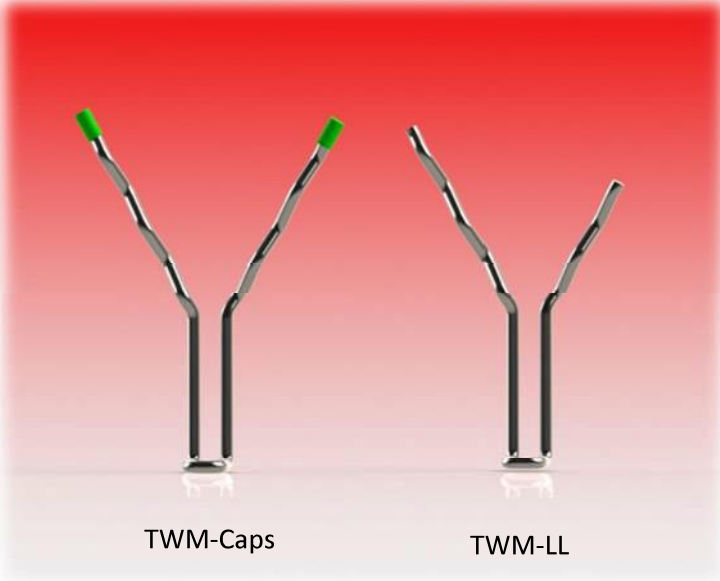
TYPE	Ø	ANGLE A	LENGTH L	STEP S	LENGTH R	ALLOY
------	---	------------	-------------	-----------	-------------	-------



- Ø 6 mm    T = 13 mm
- Ø 8 mm    T = 13 mm
- Ø 10 mm   T = 15 mm

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

Options :



Our recommendations :

- The bent foot allows easier 90° positioning on steel casing and makes welding longer / stronger
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



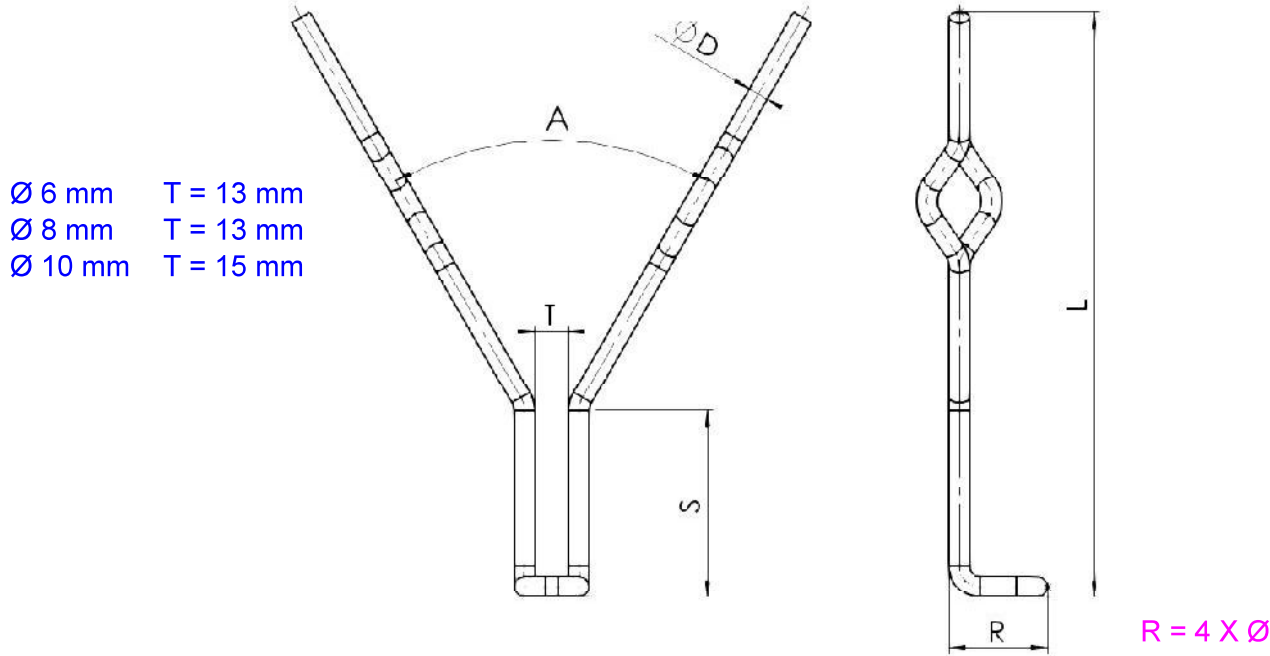
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A8-02  
02-2015

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# TWU.8(60)-160(80)-32-310

TYPE	Ø	ANGLE A	LENGTH L	STEP S	LENGTH R	ALLOY
------	---	------------	-------------	-----------	-------------	-------



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

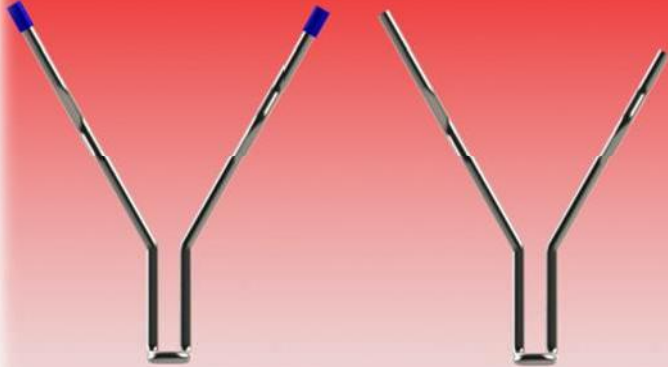
Our recommendations :

- The bent foot allows easier 90° positioning on steel casing and makes welding longer / stronger
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



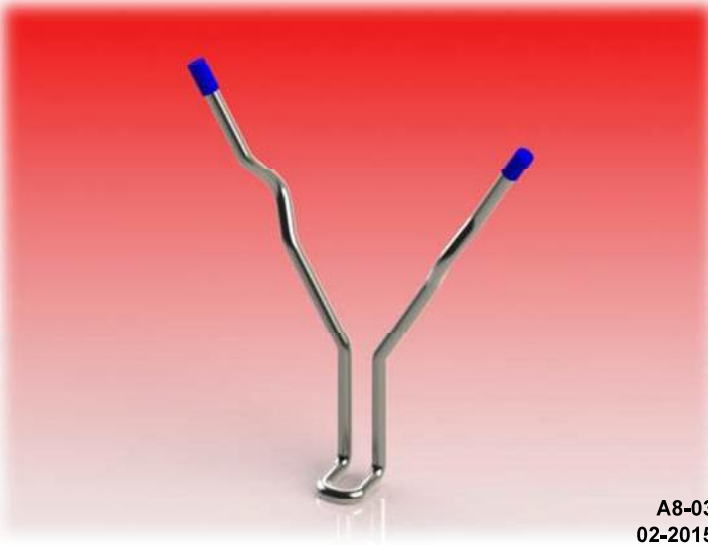
France – phone : + 33 3 66 50 00 30  
 anchorscontact@gmail.com  
 www.anchorsforrefractory.com

Options :



TWU-Caps

TWU-LL



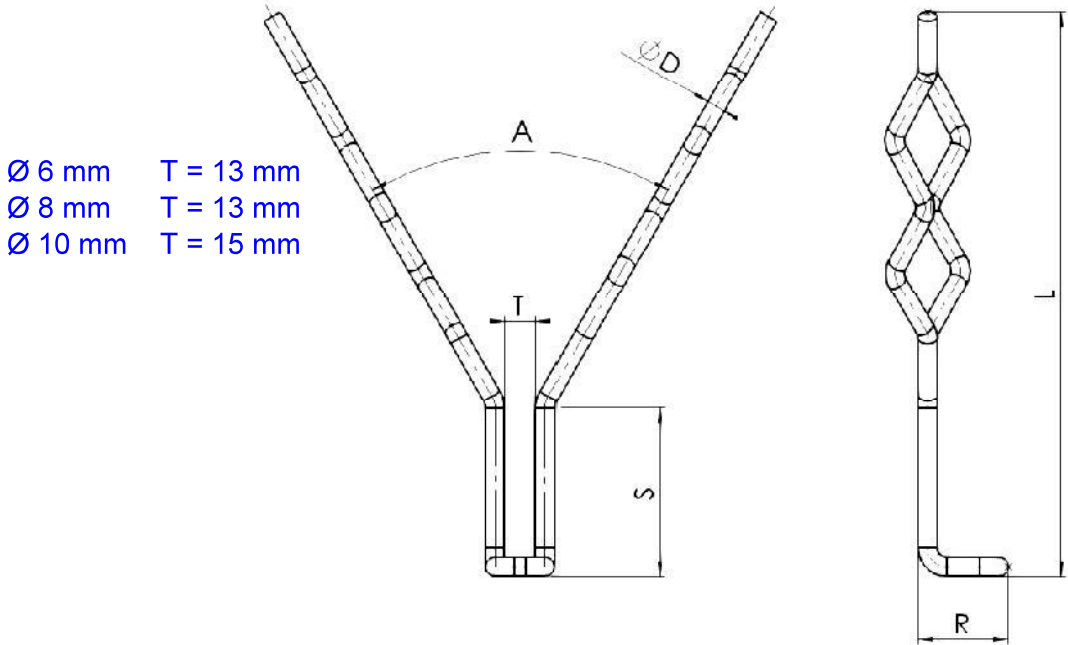
A8-03  
02-2015

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# TWS.10(60)-220(110)-40-330

TYPE	Ø	ANGLE A	LENGTH L	STEP S	LENGTH R	ALLOY
------	---	------------	-------------	-----------	-------------	-------



- Ø 6 mm    T = 13 mm
- Ø 8 mm    T = 13 mm
- Ø 10 mm   T = 15 mm

Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

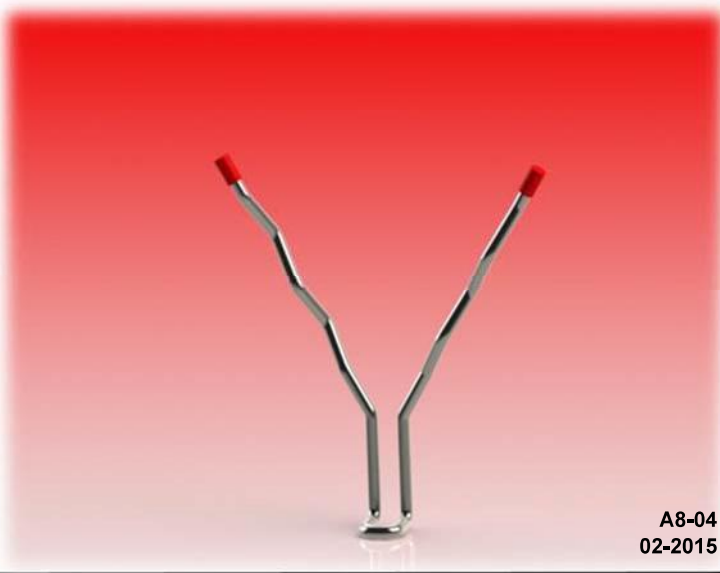
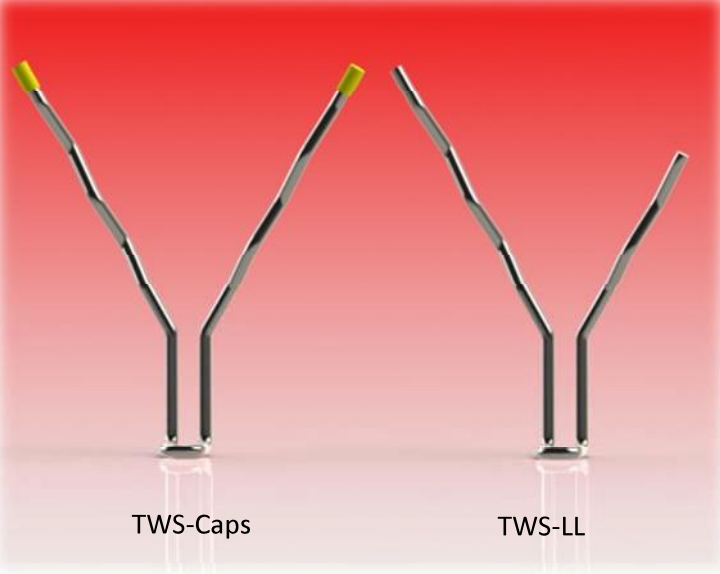
Our recommendations :

- The bent foot allows easier 90° positioning on steel casing and makes welding longer / stronger
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



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Options :

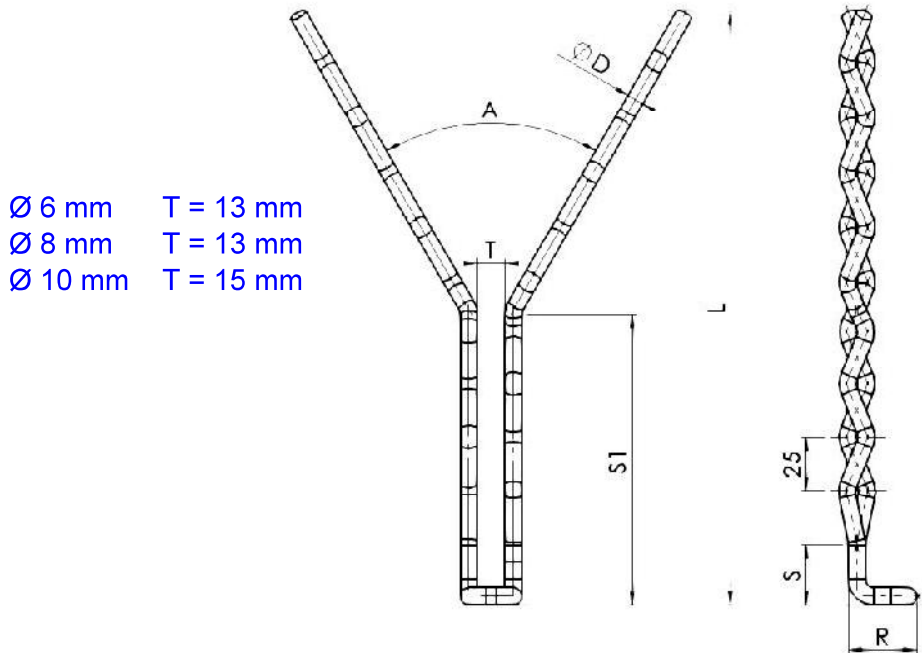


A8-04  
02-2015

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# TWSS.10(90)-300(150-50)-40- 330

TYPE	Ø	ANGLE A	LENGTH L	STEP – S1	S	LENGTH R	ALLOY
------	---	------------	-------------	--------------	---	-------------	-------



Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

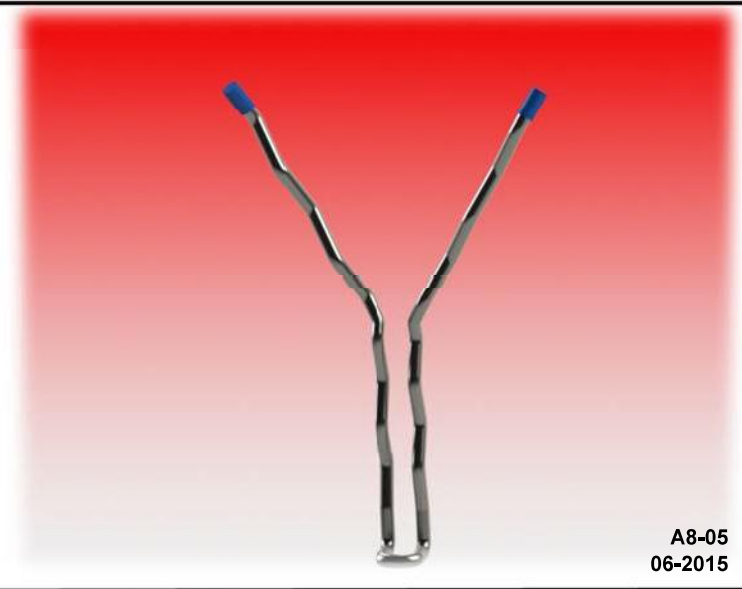
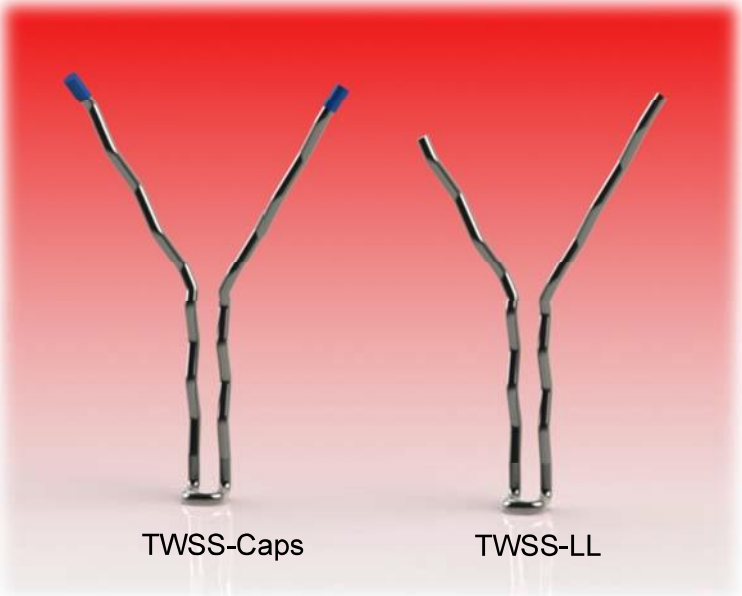
Our recommendations :

- The bent foot allows easier 90° positioning on steel casing and makes welding longer / stronger
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.
- The straight down part is also corrugated, that improves anchoring of a backup gunned insulating concrete layer



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Options :

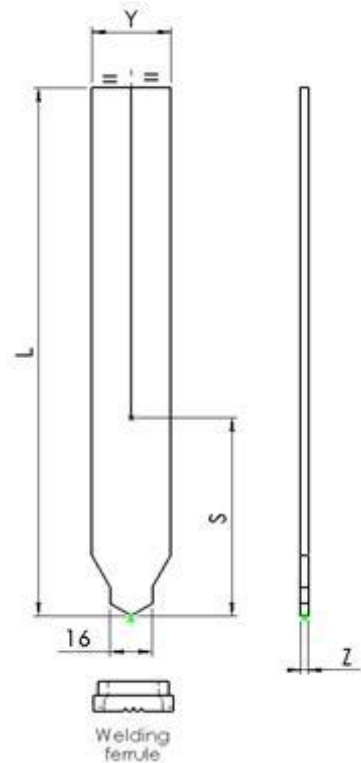


A8-05  
06-2015

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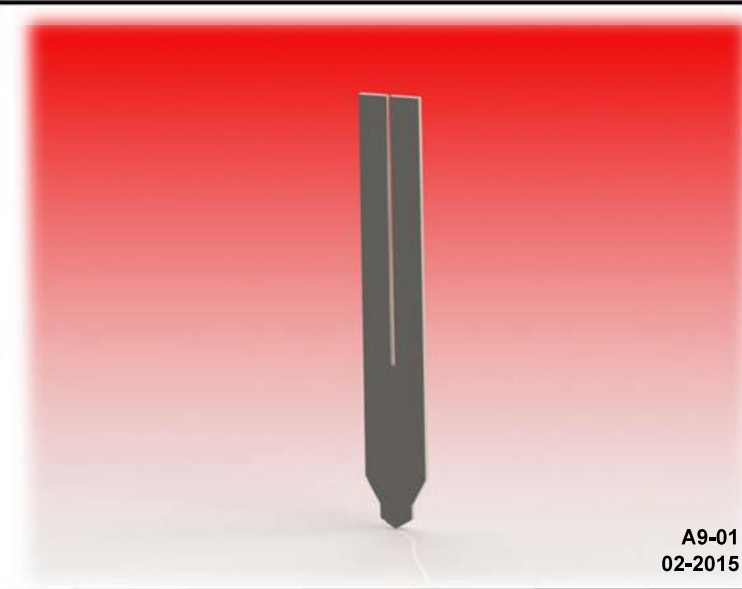
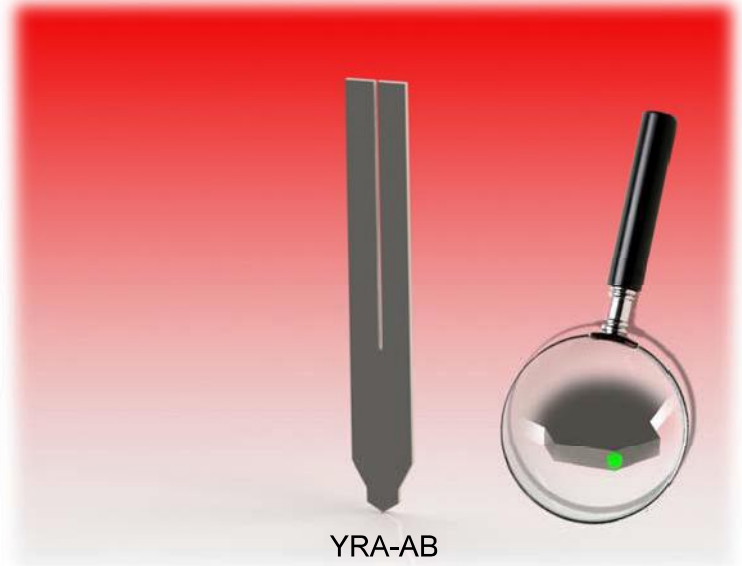
# YRA-AB.30/3-180(120)-310

TYPE WITH SECTION LENGTH LENGTH ALLOY  
 ALUMINIUM BALL Y x Z L S



*Option - Aluminium Ball*  
*Recommended for gun welding*  
*SEE PAGE*

Options :



Our recommendations :

- No gap (slot) between the 2 wings
- This anchor will be open on site by installer



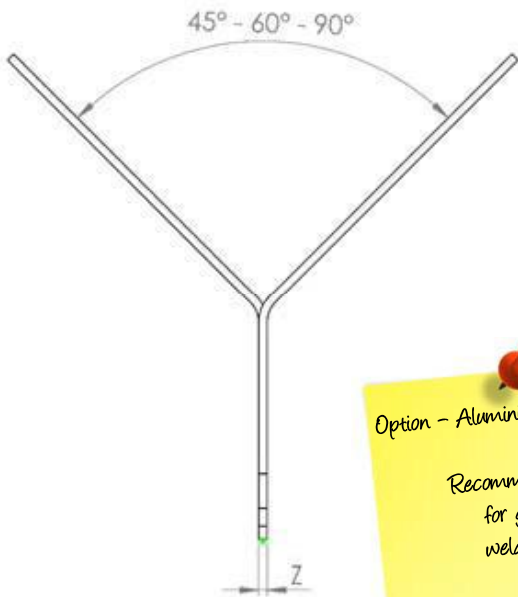
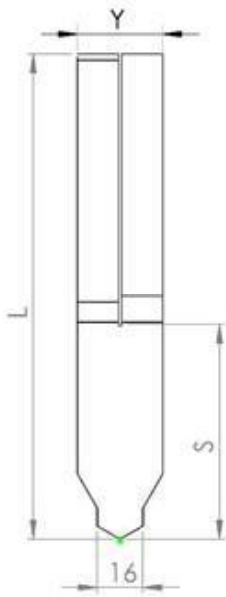
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A9-01  
 02-2015

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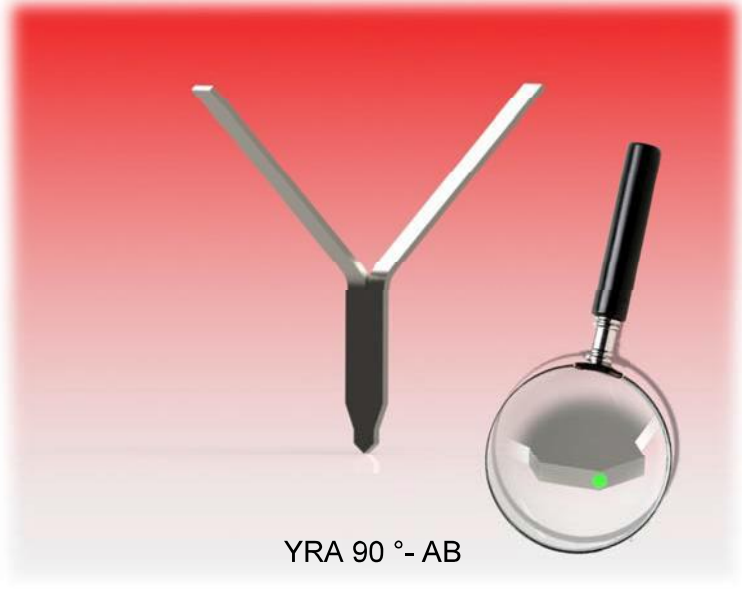
# YRA-AB.30/3(90°)-130(080)-310

TYPE	WITH ALUMINIUM BALL	SECTION Y x Z	OPENING Ex : 90°	LENGTH L	LENGTH S	ALLOY
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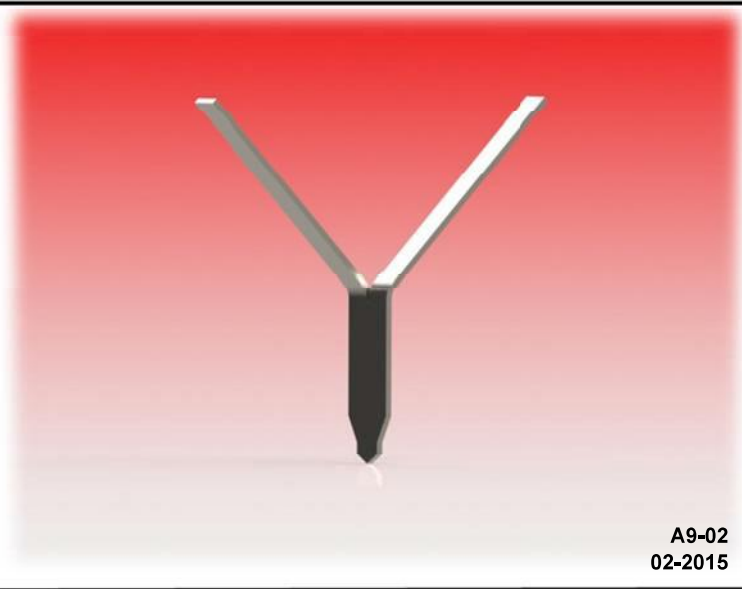


*Option - Aluminium Ball  
Recommended for gun welding  
SEE PAGE*

Options :



YRA 90° - AB



A9-02  
02-2015

Our recommendations :

- No gap (slot) between the 2 wings
- This anchor is supplied open at specified angle



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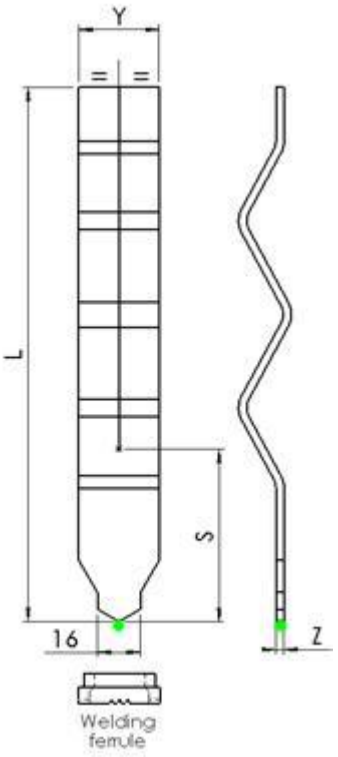
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# YRB-30/3-180(120)-310

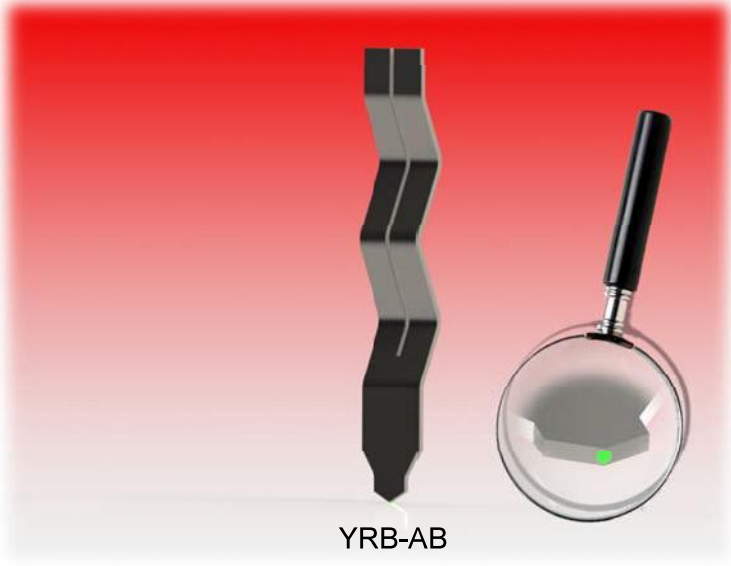
TYPE	SECTION Y x Z	LENGTH L	LENGTH S	ALLOY
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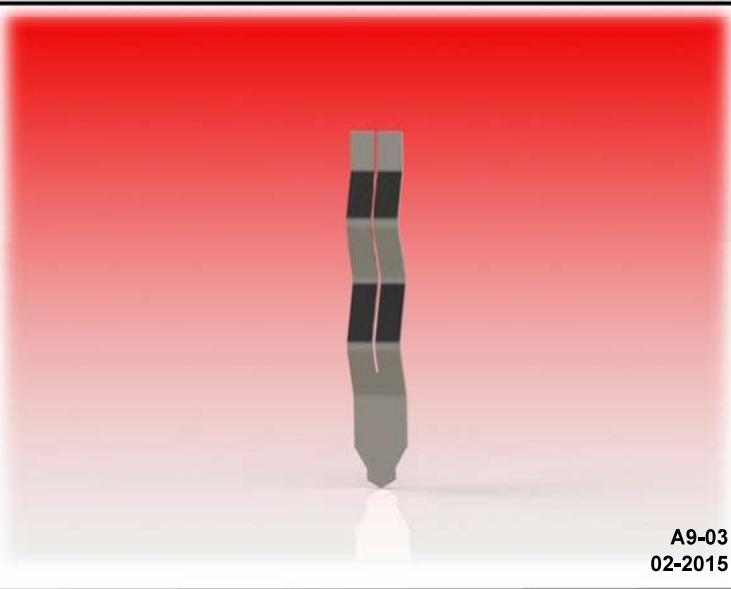
*Option - Aluminium Ball*  
 Recommended  
 for gun  
 welding  
 SEE PAGE



Options :



YRB-AB



A9-03  
02-2015

Our recommendations :

- No gap (slot) between the 2 wings
- This anchor will be open on site by installer



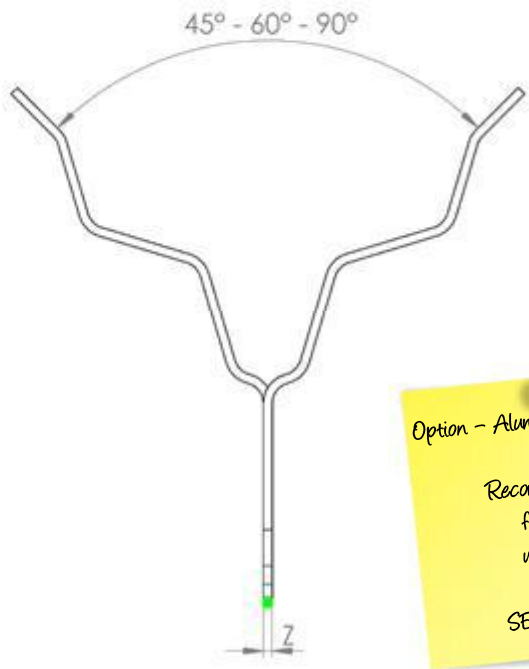
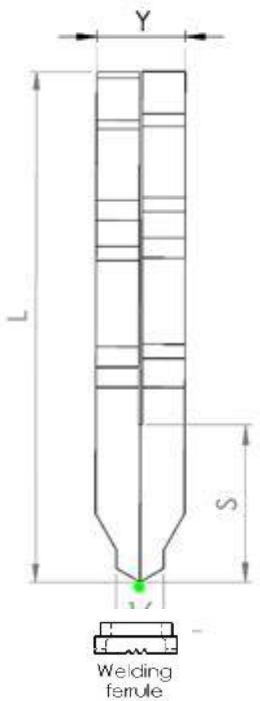
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# CASTABLE ANCHOR

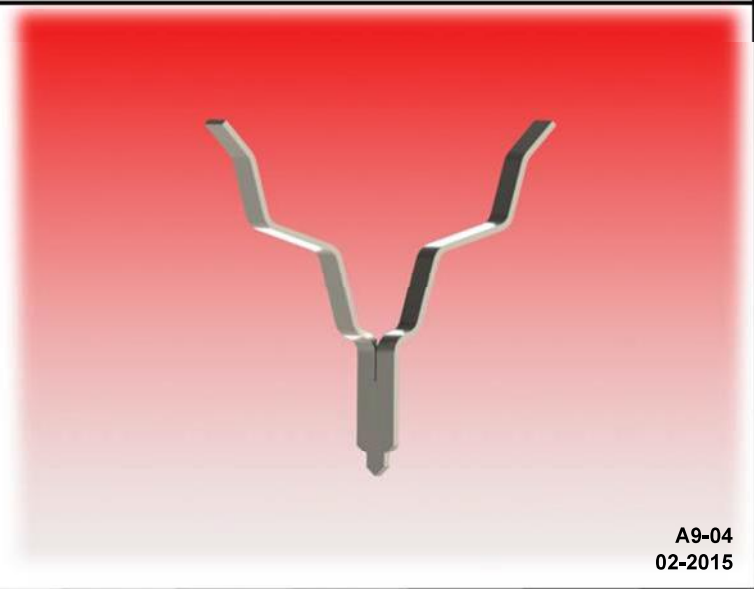
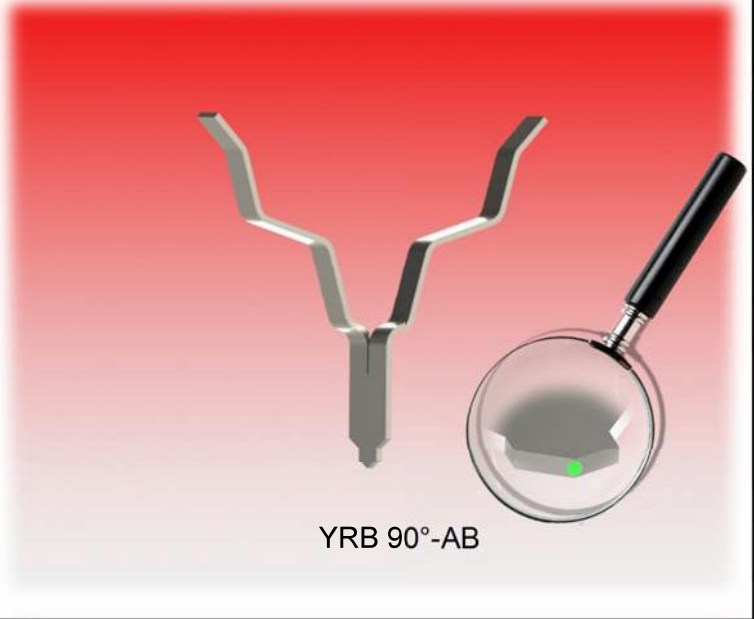
## YRB-AB.30/3(90°)-130(080)-310

TYPE	WITH	SECTION	OPENING	LENGTH	LENGTH	ALLOY
	ALUMINIUM BALL	Y x Z	Ex : 90°	L	S	



*Option - Aluminium Ball*  
*Recommended for gun welding*  
*SEE PAGE*

Options :



Our recommendations :

- No gap (slot) between the 2 wings
- This anchor is supplied open at specified angle



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A9-04  
 02-2015

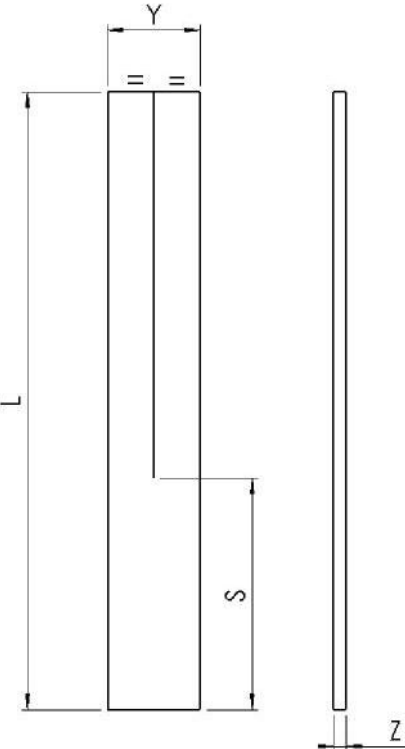
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**A-CASTABLE ANCHOR**

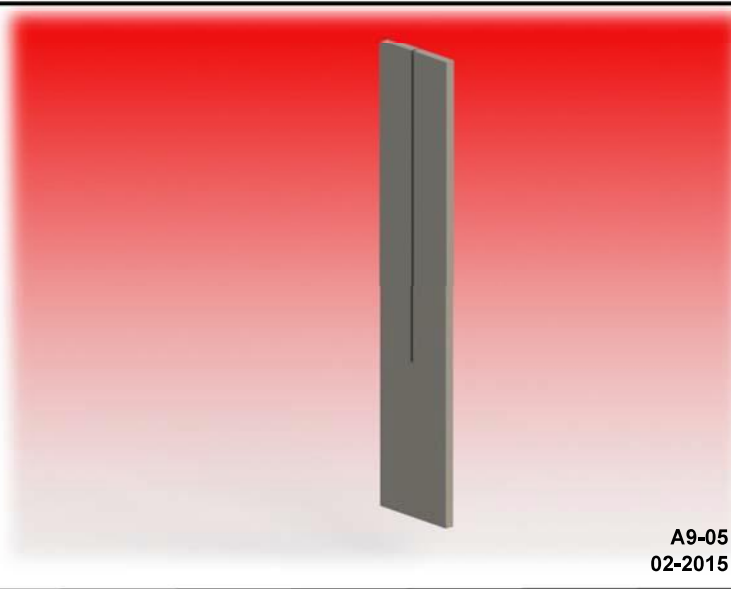
# CASTABLE ANCHOR

## YHA-30/3-130(080)-310

TYPE SECTION LENGTH LENGTH ALLOY  
Y x Z L S



Options :



Our recommendations :

- No gap (slot) between the 2 wings
- This anchor will be open on site by installer



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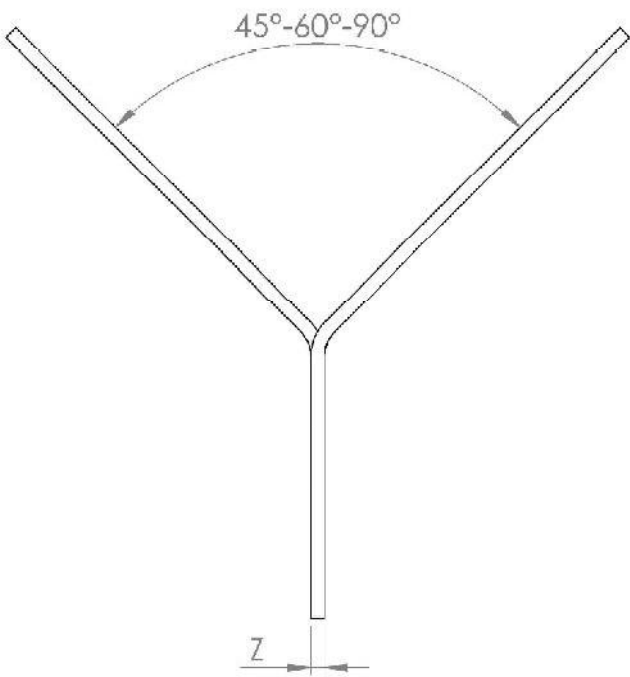
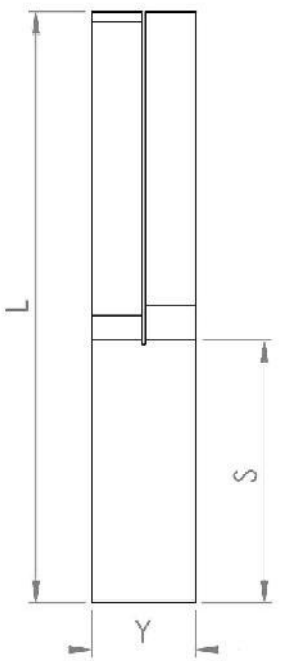
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02-2015

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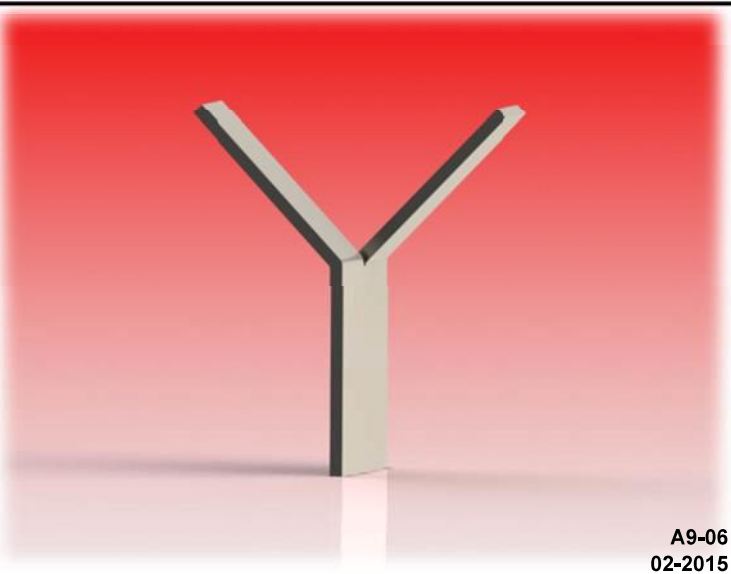
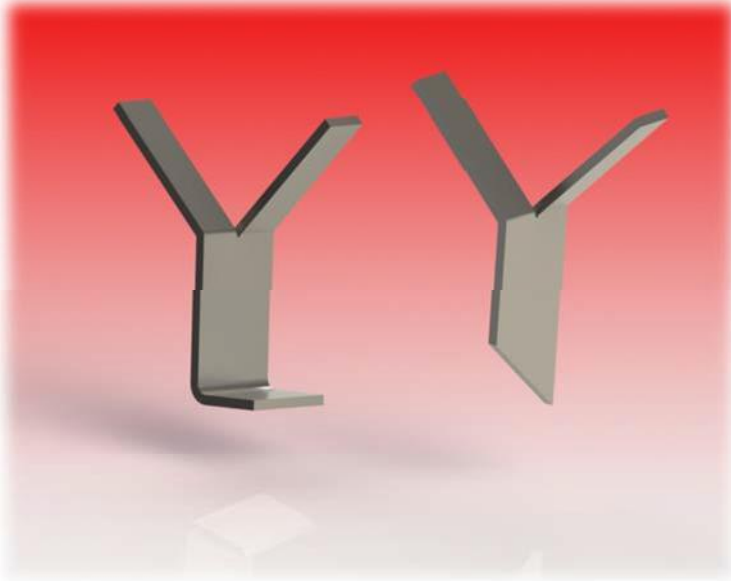
**A-CASTABLE ANCHOR**

# YHA-30/3(60°)-130(080)-310

TYPE	SECTION Y x Z	OPENING Ex : 60°	LENGTH L	LENGTH S	ALLOY
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Options :



Our recommendations :

- No gap (slot) between the 2 wings
- This anchor is supplied open at specified angle



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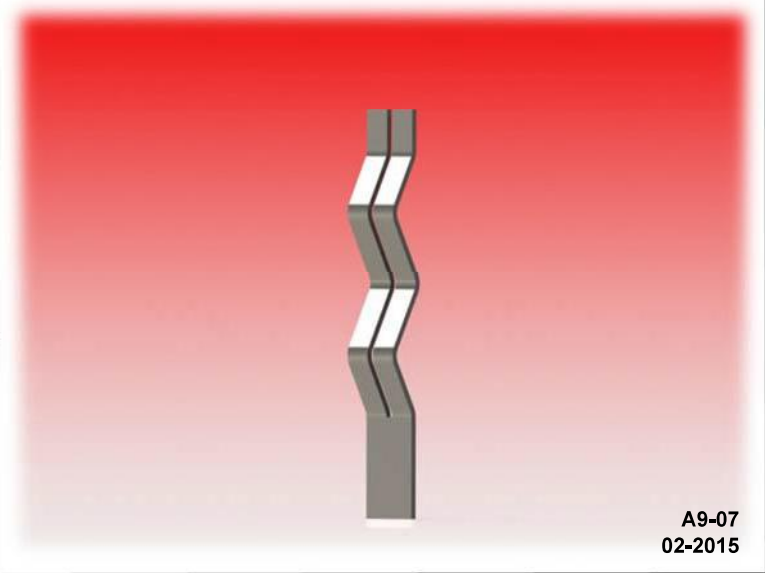
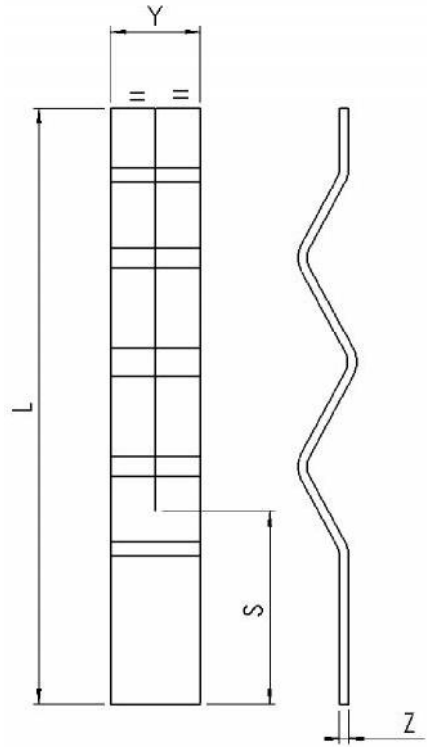
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# YHB-30/3-130(080)-304

TYPE	SECTION	LENGTH	LENGTH	ALLOY
	Y X Z	L	S	

Options :



Our recommendations :

- No gap (slot) between the 2 wings
- This anchor will be open on site by installer



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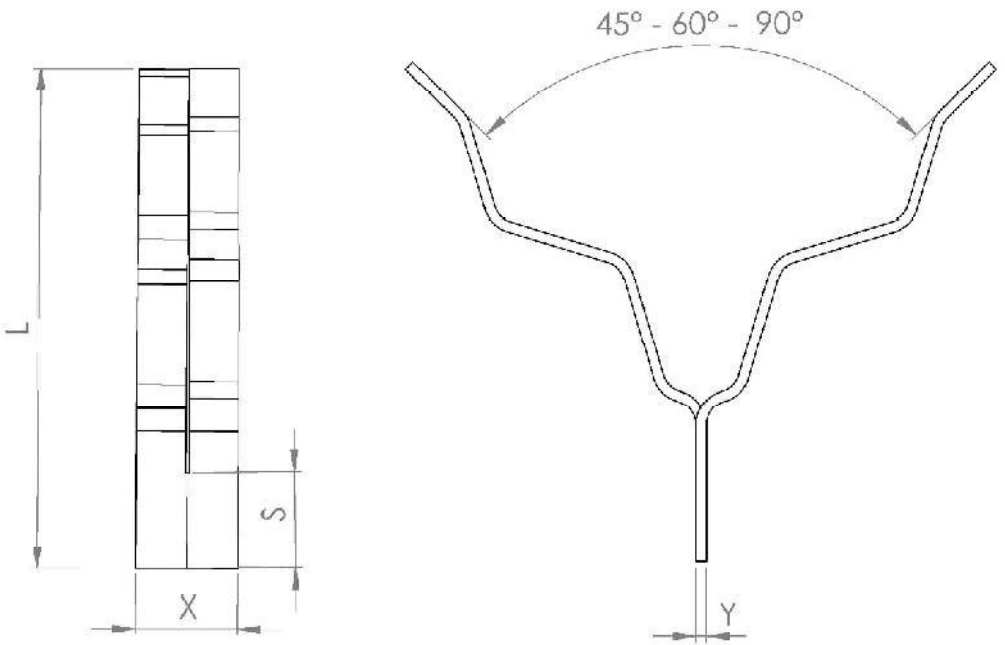
A9-07  
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# YHB-30/3(60°)-130(080)-310

TYPE	SECTION X x Y	OPENING Ex : 60°	LENGTH L	LENGTH S	ALLOY
------	------------------	---------------------	-------------	-------------	-------

Options :



Our recommendations :

- No gap (slot) between the 2 wings
- This anchor is supplied open at specified angle



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