

**CH1 .8(60) -150- 310**  
 TYPE Ø D 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

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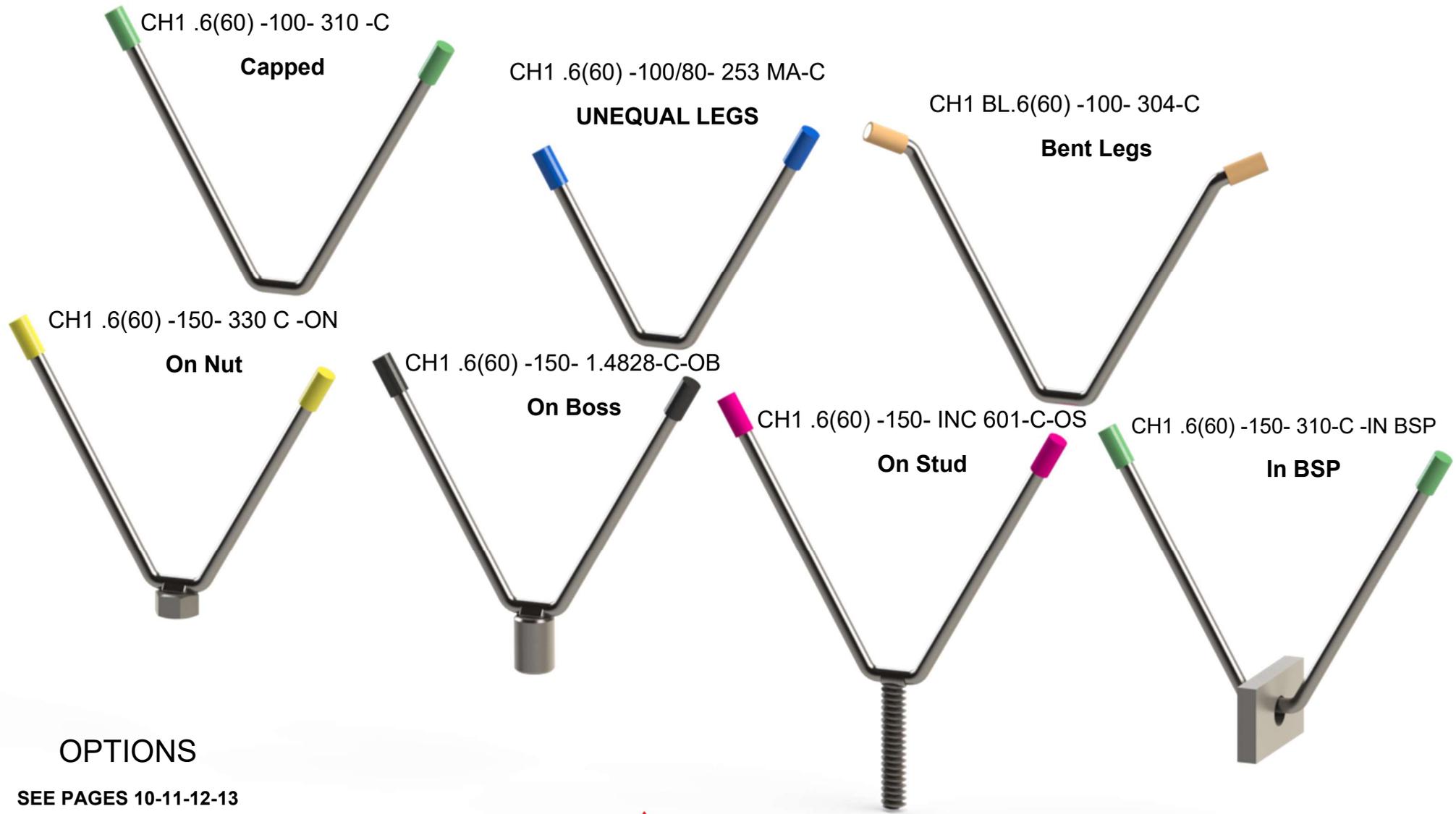
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Our recommendations:

- 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 of steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.



**OPTIONS**

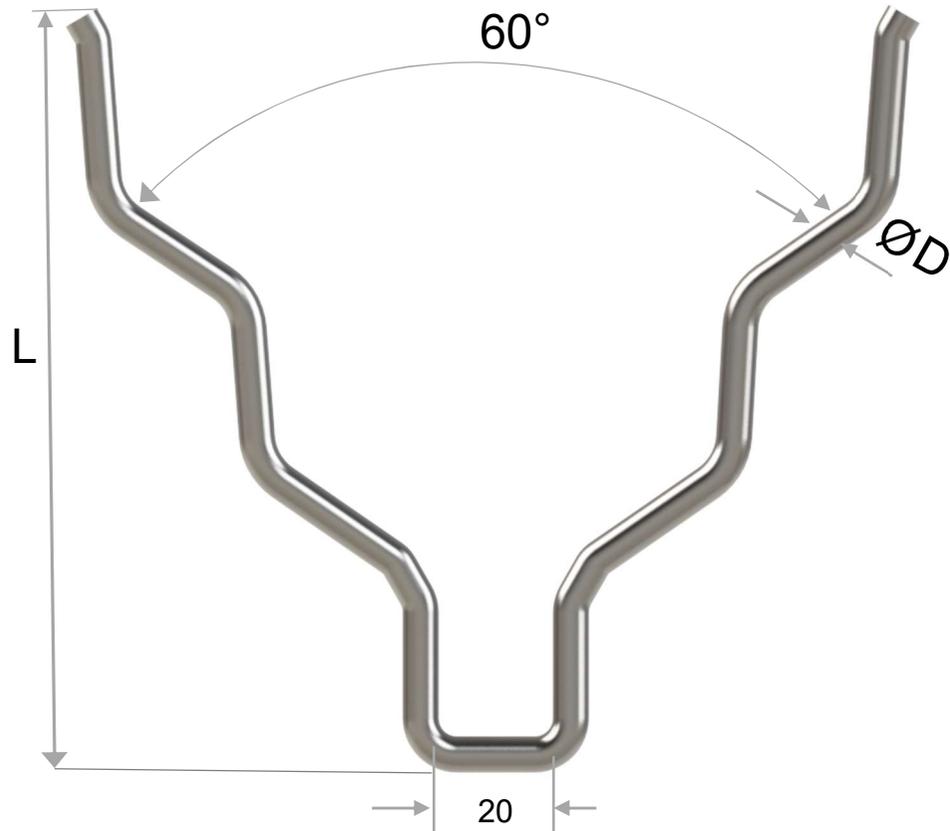
SEE PAGES 10-11-12-13

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**CH2 .8(60) -200- 316**  
 TYPE Ø D ANGLE LENGTH L ALLOY

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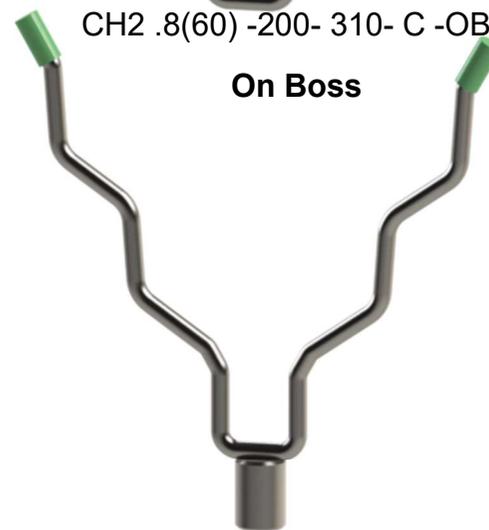
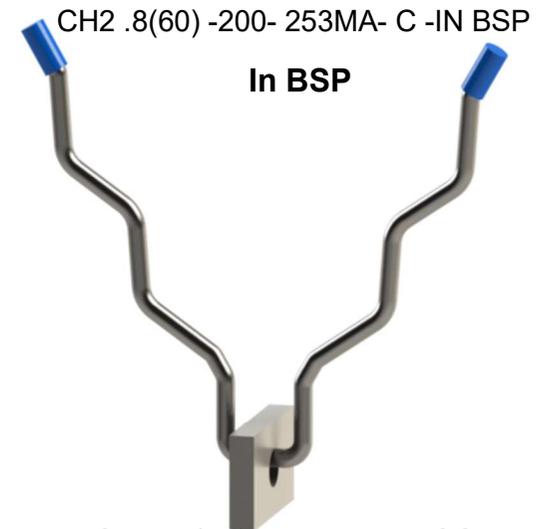
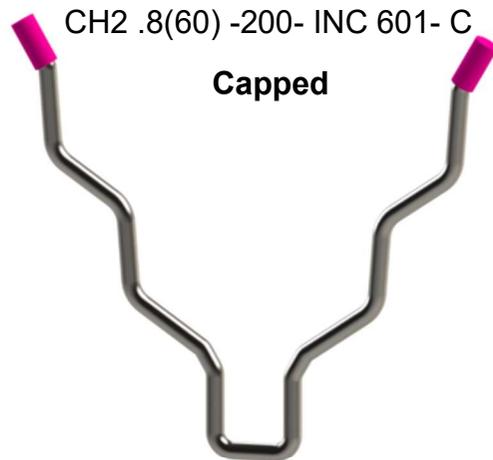


Our recommendations:

- 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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## OPTIONS

SEE PAGES 10-11-12-13

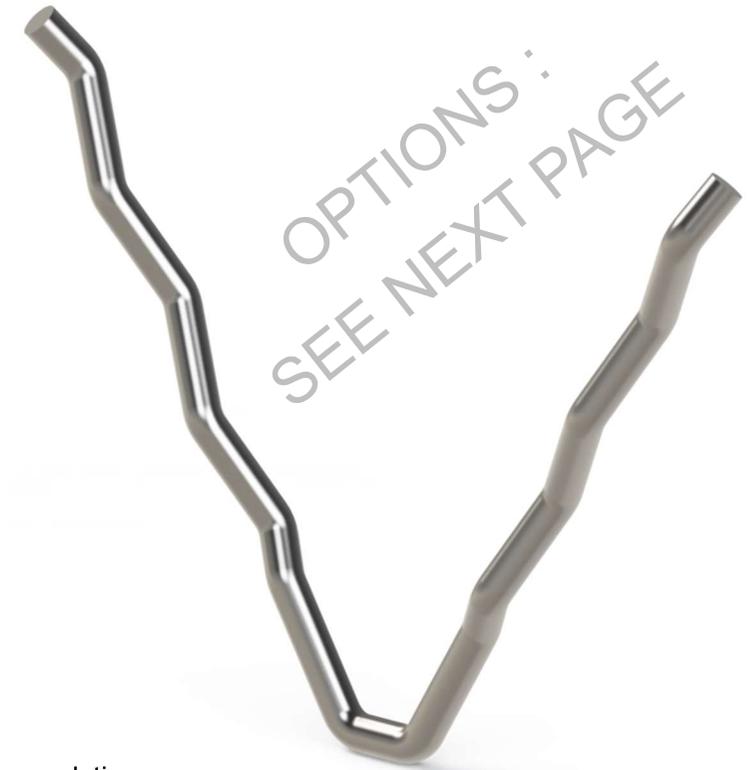
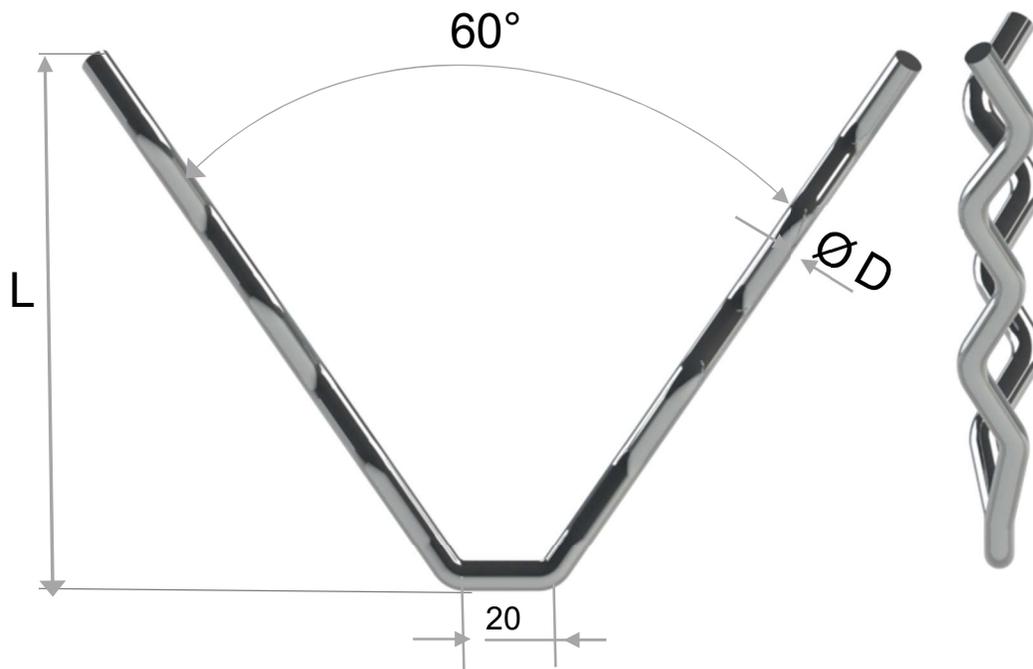
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**CH4 .8(60) -150- 253 MA**  
 TYPE Ø D ANGLE LENGTH L ALLOY

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 That allows minimizing bend marking and avoids micro cracks

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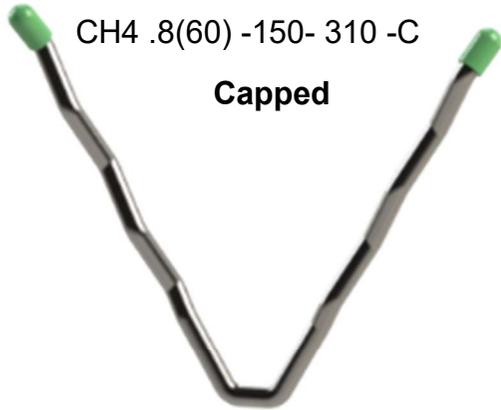


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#### Our recommendations:

- 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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CH4 .8(60) -150- 310 -C

**Capped**



CH4 .8(60) -150/120- 253 MA

**UNEQUAL LEGS**



CH4 .8(60) -150- 304-C -IN BSP

**In BSP**

CH4 .8(60) -150- 253 MA-ON

**On Nut**



CH4 .8(60) -150- 253 MA -C-OS

**On Stud**



CH4 .8(60) -150- 253 MA-OB

**On Boss**



**OPTIONS**

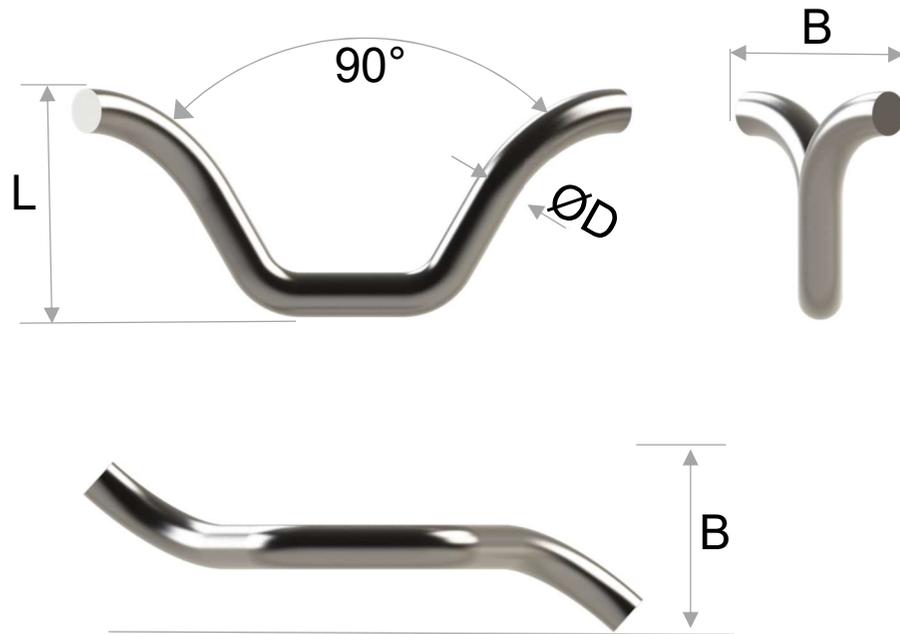
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<b>CH1.RL .4(60) -030-025- 310</b>					
TYPE	Ø D	ANGLE	LENGTH	LENGTH	ALLOY
			L	B	

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That allows minimizing bend marking and avoids micro cracks

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

The curved 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)

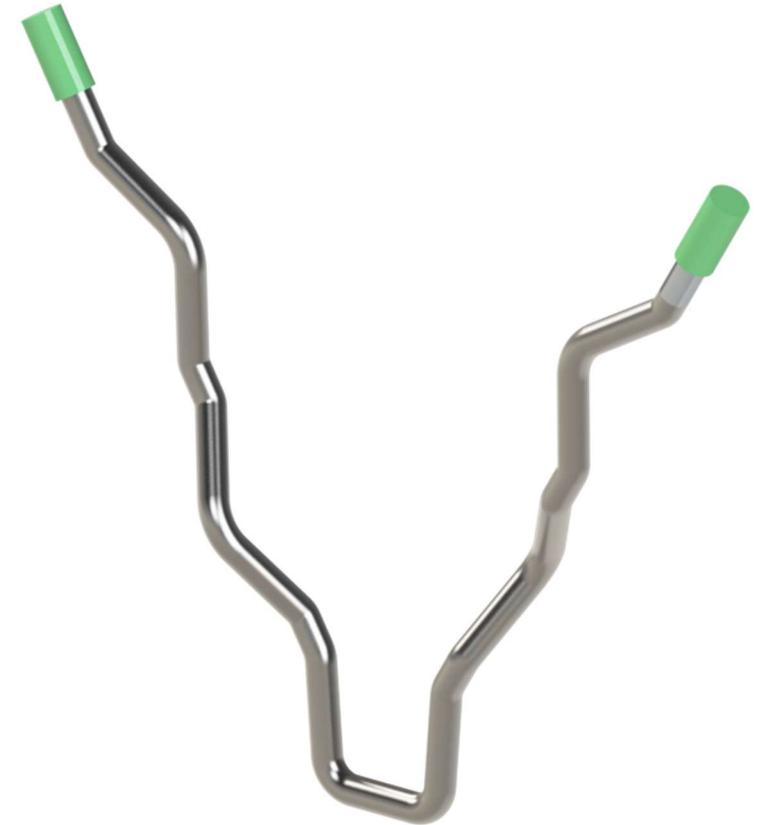
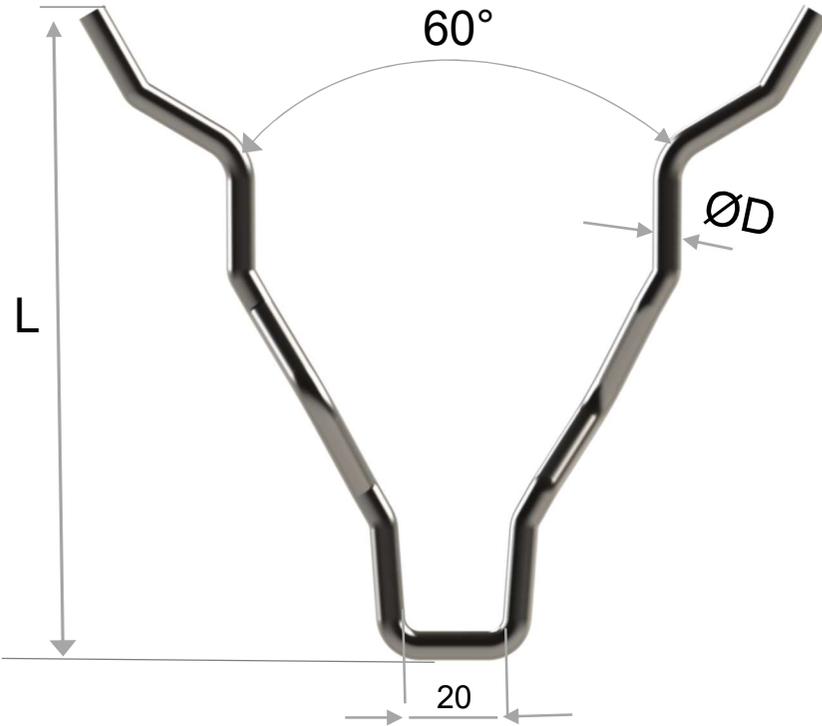
It is used for instance for air distribution grids in regenerators in FCC units.

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

#### Our recommendations:

- Solution for thickness 19 and 25 mm.
- Usual angle 90°, other angles on request
- Most of the time diameter 4 mm
- Many anchors per square meter are required for such thin linings

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**CH3 .8(60) -150- 310**  
 TYPE Ø D ANGLE LENGTH L ALLOY

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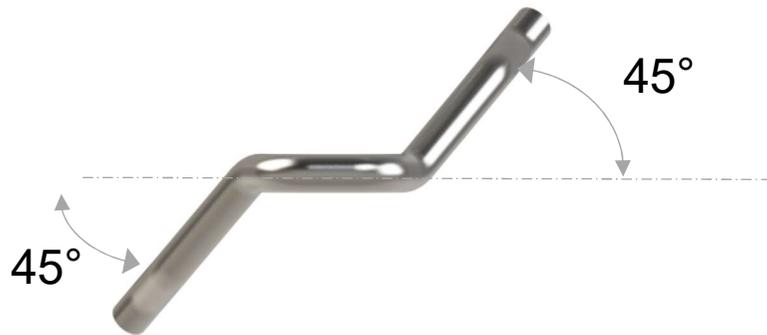
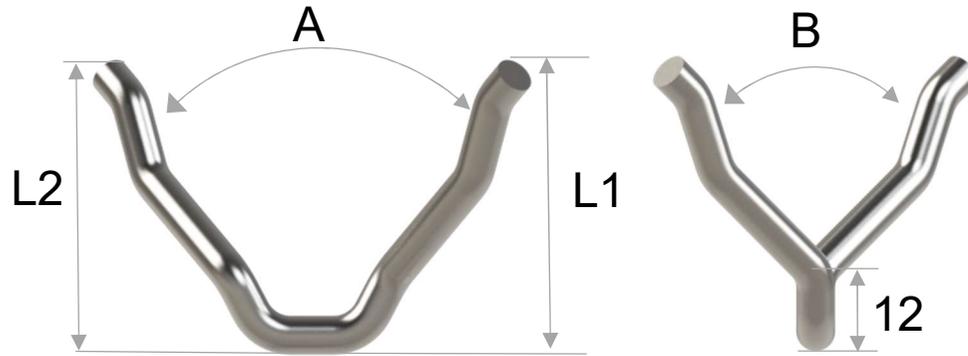
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Our recommendations:

- It's better to use CH4 – page A1-03

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**UV .6(80/90) -060/050- 310**

TYPE    Ø D    ANGLE A/B    LENGTH L1/L2    ALLOY

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OPTIONS :  
SEE NEXT PAGE



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.
- Usual angles 80°/90°, other angles on request.

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UV .6(80/90) -060/050-310- C



UV .6(80/90) -060/050-310- IN BSP



UV .6(80/90) -060/050-310- IN WB



## OPTIONS

SEE PAGE 13

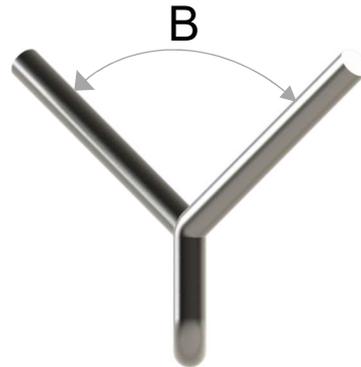
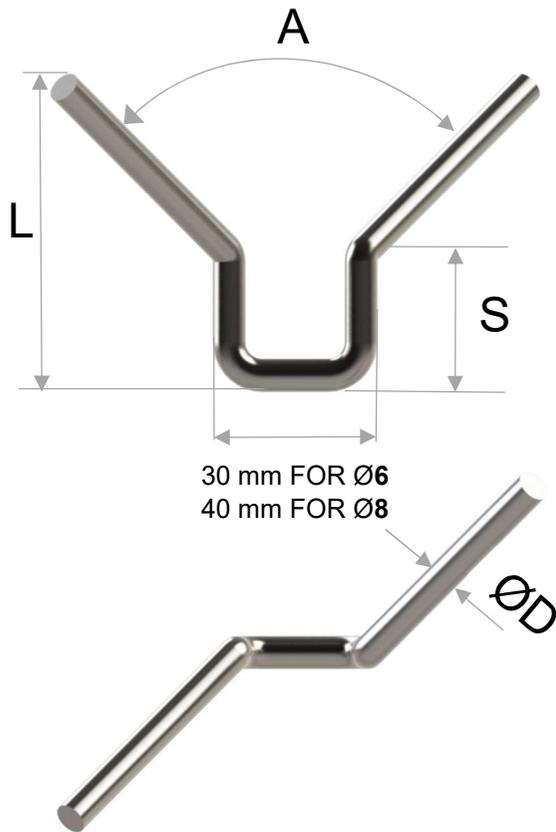
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For Ø6 S mini = 20 mm

For Ø8 S mini = 25 mm



OPTIONS :  
SEE NEXT PAGE

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.
- Usual angles 90°/90°, other angles on request

<b>UBL .6(90/90) -060(025)- 310</b>
TYPE    Ø D    ANGLE A/B    LENGTH L(S)    ALLOY

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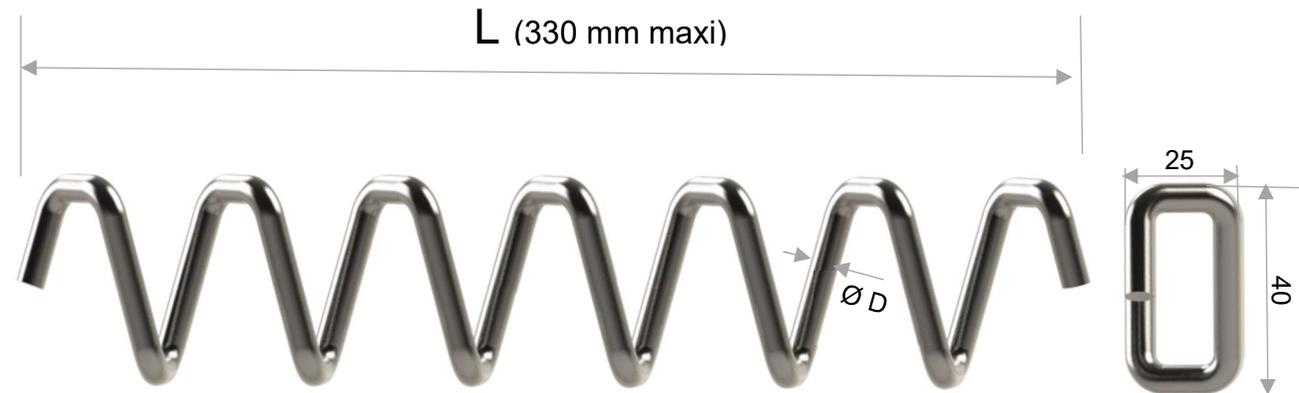
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$\varnothing D = 4,5,6$  mm



<b>SPI1 .5-330 - 310</b>			
TYPE	$\varnothing D$	L	ALLOY

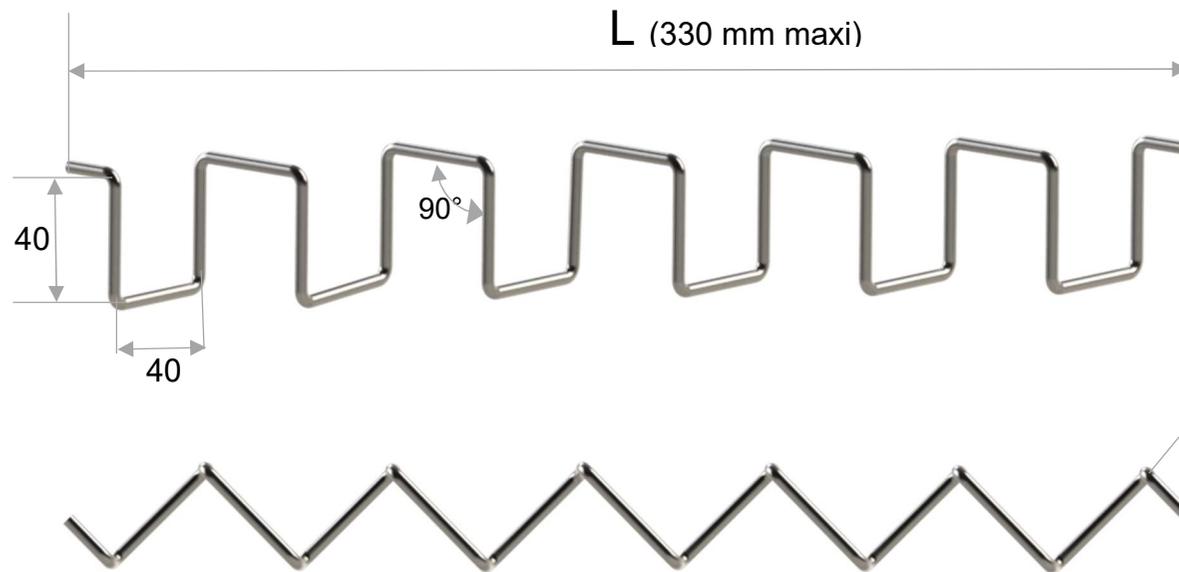
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$\varnothing D = 4,5,6 \text{ mm}$

**SPI2 .4-330 - 304**

TYPE     $\varnothing D$     L    ALLOY



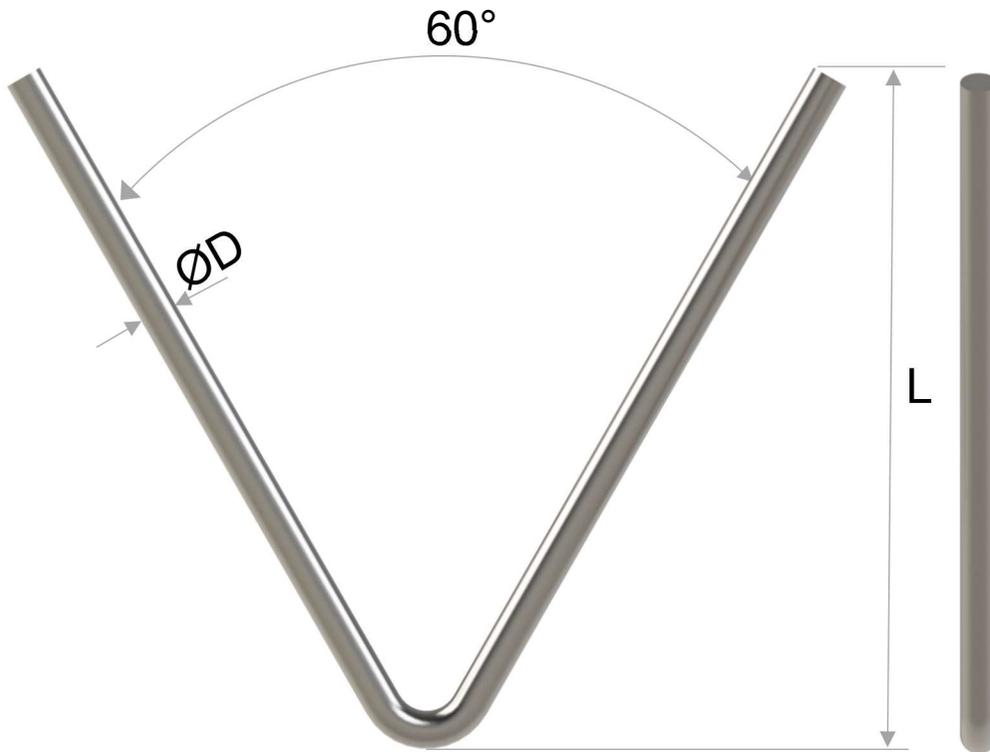
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V1	.	6(60)	-	100-	304
TYPE		Ø D	ANGLE	LENGTH L	ALLOY

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OPTIONS :  
SEE NEXT PAGE

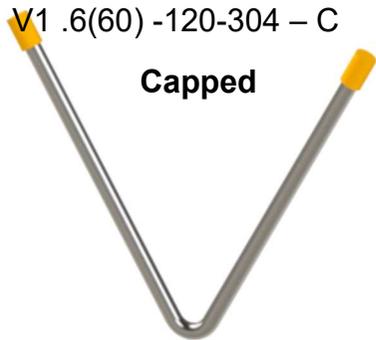
Our recommendations:

- 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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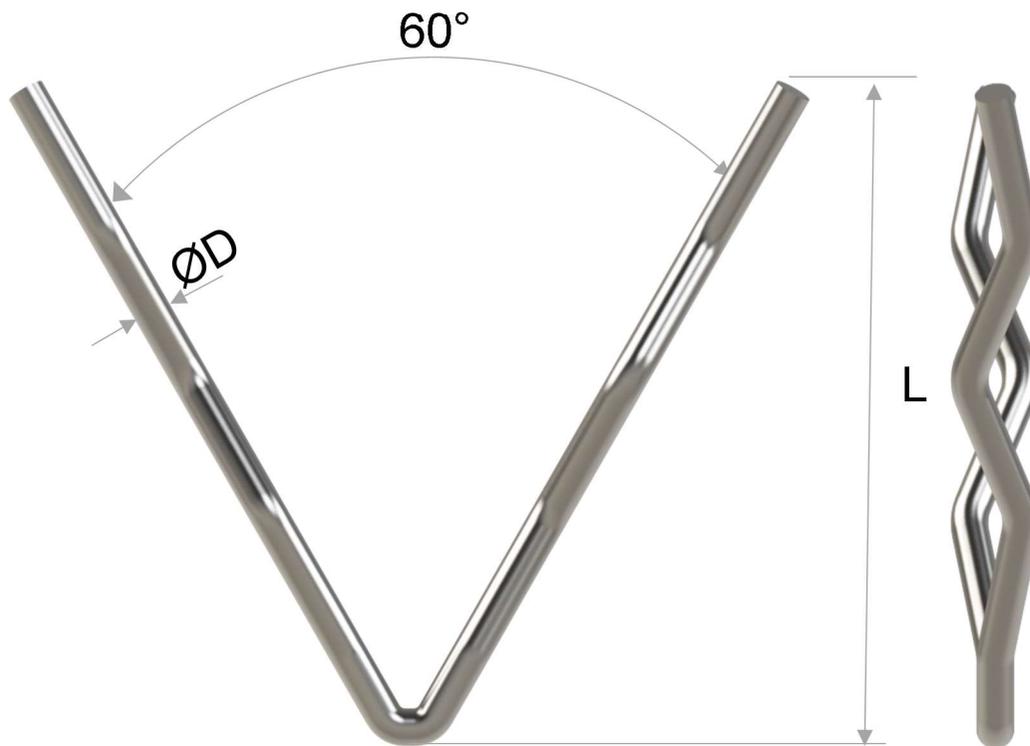
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V4 . 6(60) -100- 330				
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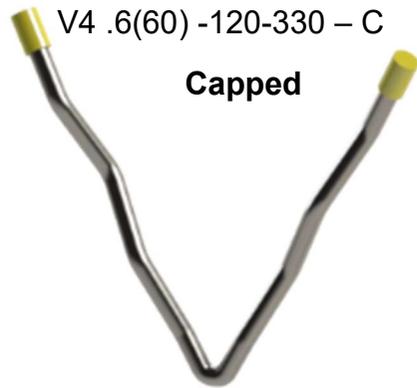
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- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging in the castable.

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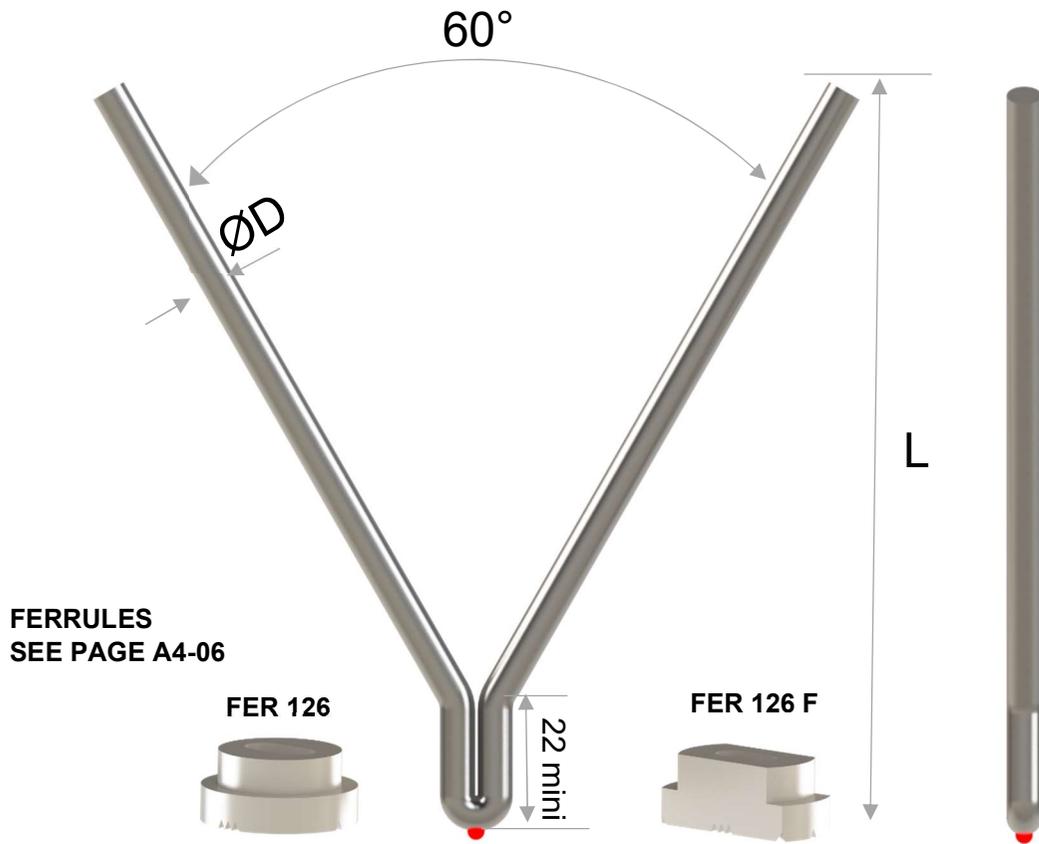
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FERRULES  
SEE PAGE A4-06

FER 126

FER 126 F

22 mini



**CV1.AB . 6(60) -100 - 304**  
 TYPE Aluminium Ø D ANGLE LENGTH L ALLOY  
 Ball

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.
- This anchor is designed for stud welding
- CV4 is a 3 dimensional anchors performing better than CV1 see page A4-03



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CV1-AB .6(60) -120-310

Aluminium Ball



CV1-AB .6(60) -120-310-C

Aluminium Ball / Capped

AB  
ALUMINIUM BALL

Aluminium ball is recommended for stud welding (see page 15)



FER 126 F    FER 126  
SEE PAGE A4-06

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

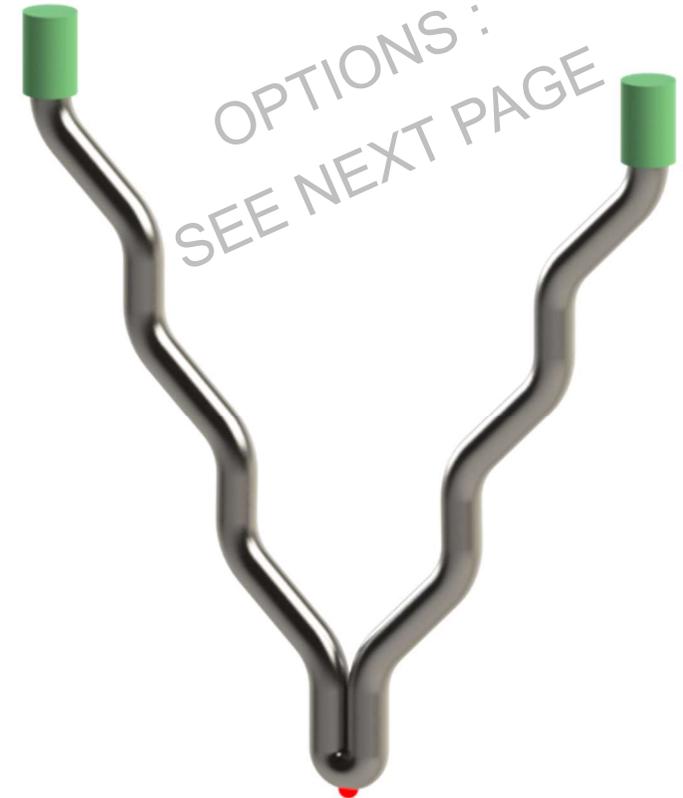
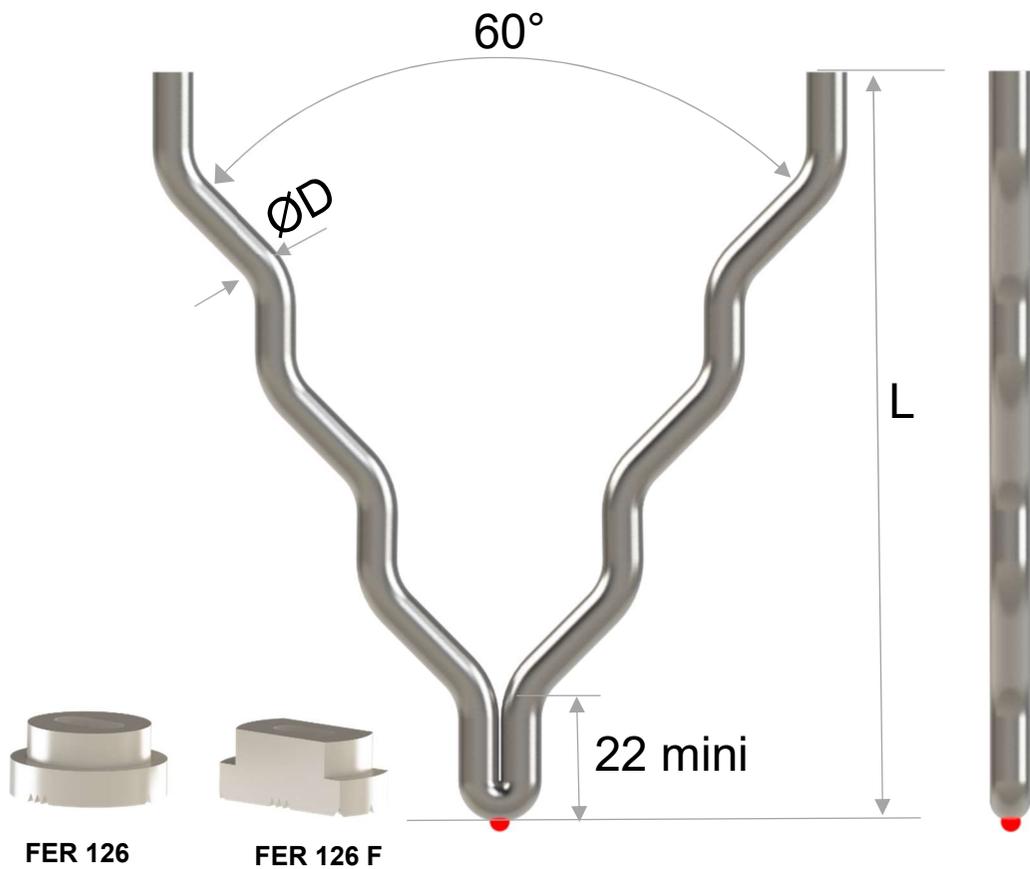


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**CV2-AB . 6(60) -120- 310**  
 TYPE Aluminium Ø D ANGLE LENGTH L ALLOY  
 Ball

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.
- This anchor is designed for stud welding
- CV4 is a 3 dimensional anchors performing better than CV2 see page A4-03

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 That allows minimizing bend marking and avoids micro cracks

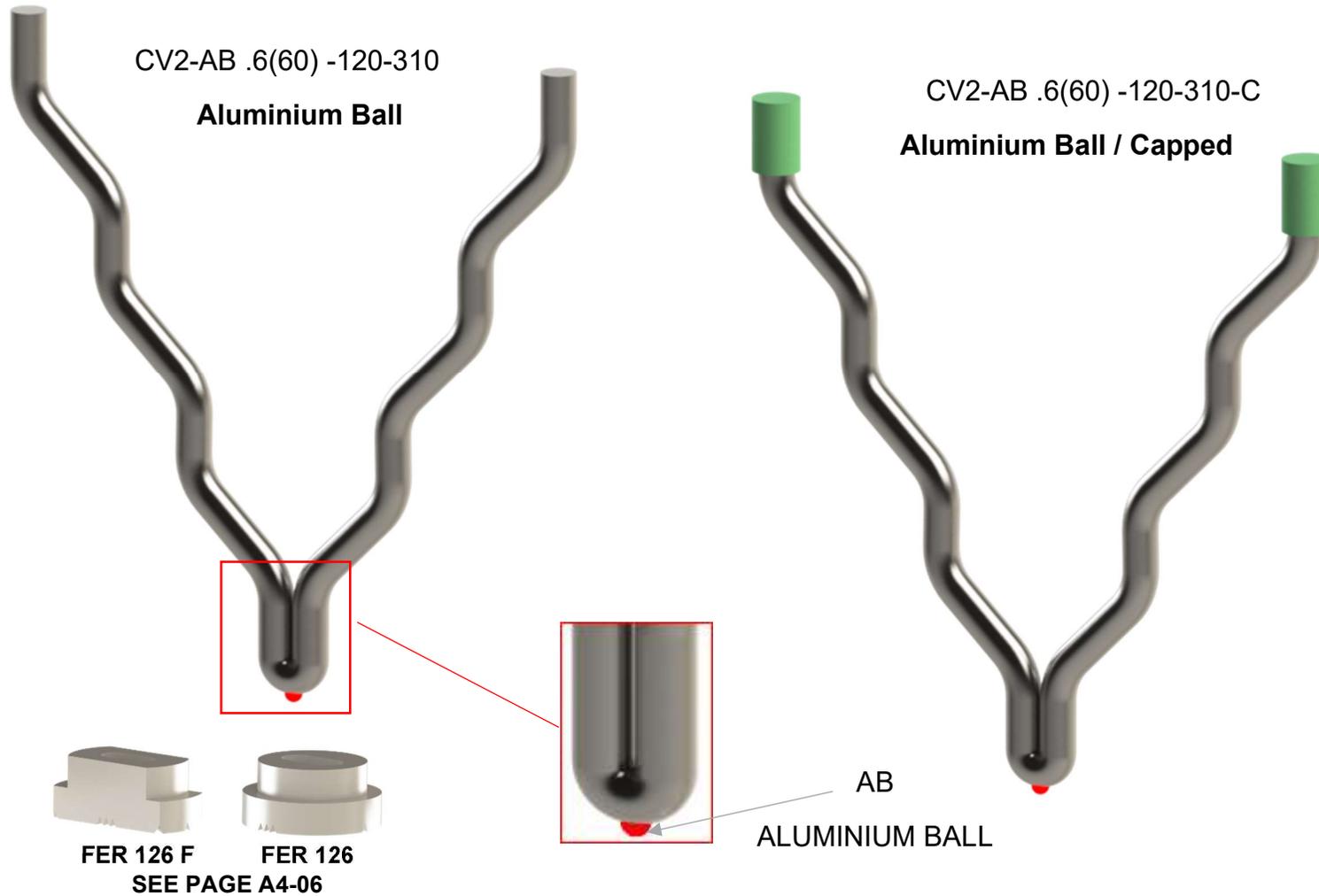


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Aluminium ball is recommended for stud welding (see page 11)

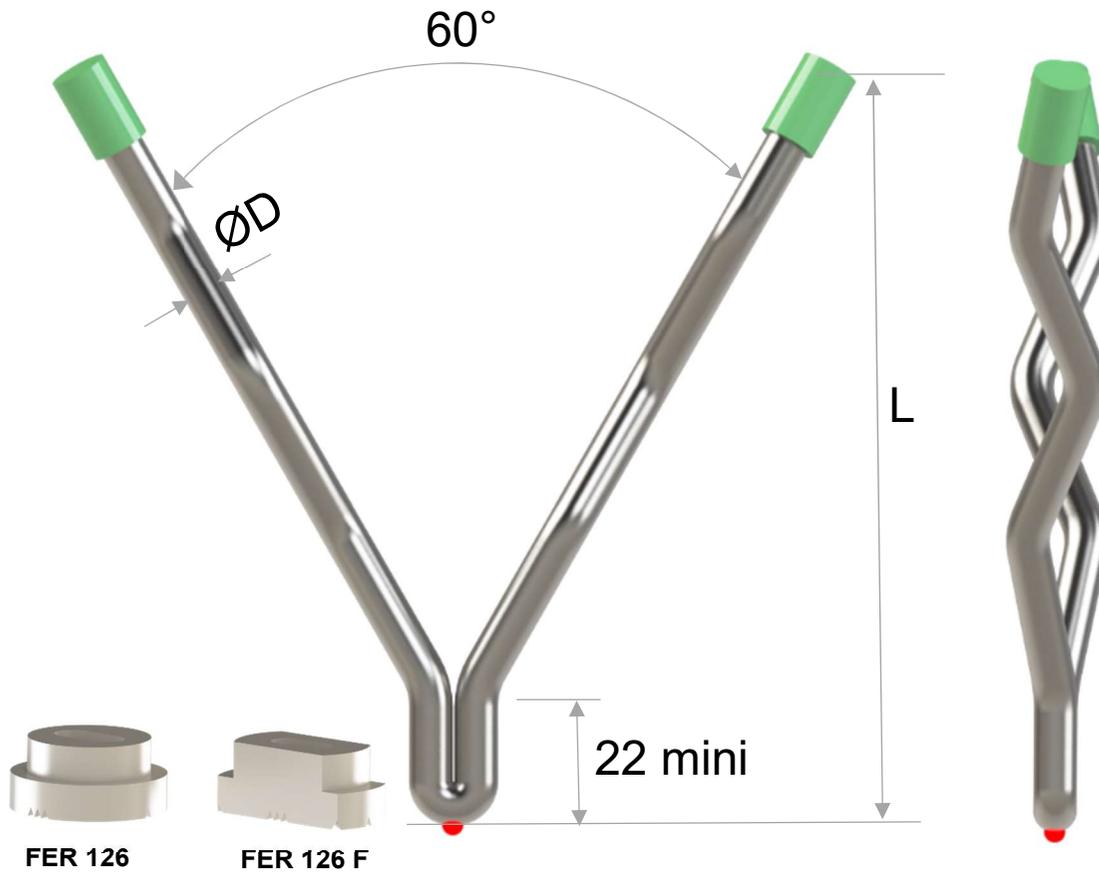
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That allows minimizing bend marking and avoids micro cracks

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**CV4-AB . 6(60) -120- 310-C**  
 TYPE Aluminium Ø D ANGLE LENGTH L ALLOY  
 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

OPTIONS :  
 SEE NEXT PAGE

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.
- This anchor is designed for stud welding



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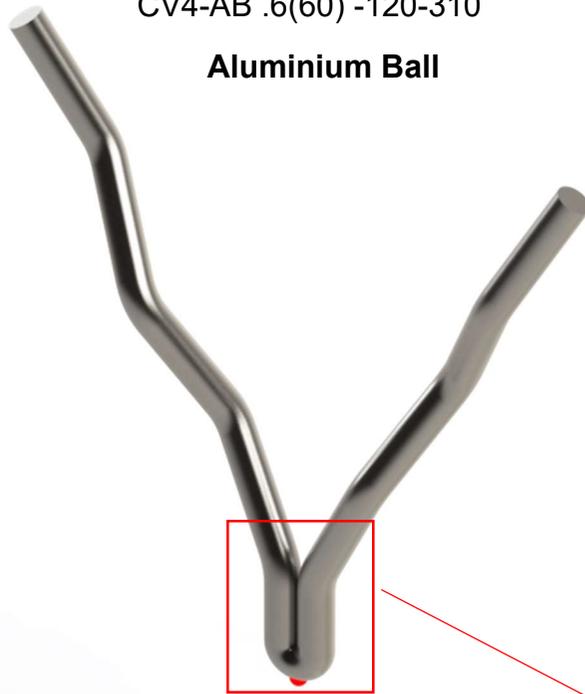


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CV4-AB .6(60) -120-310

**Aluminium Ball**



CV4-AB .6(60) -120-310-C

**Aluminium Ball / Capped**



AB  
ALUMINIUM BALL



FER 126 F



FER 126

**SEE PAGE A4-06**



Aluminium ball is recommended for stud welding (see page 11)

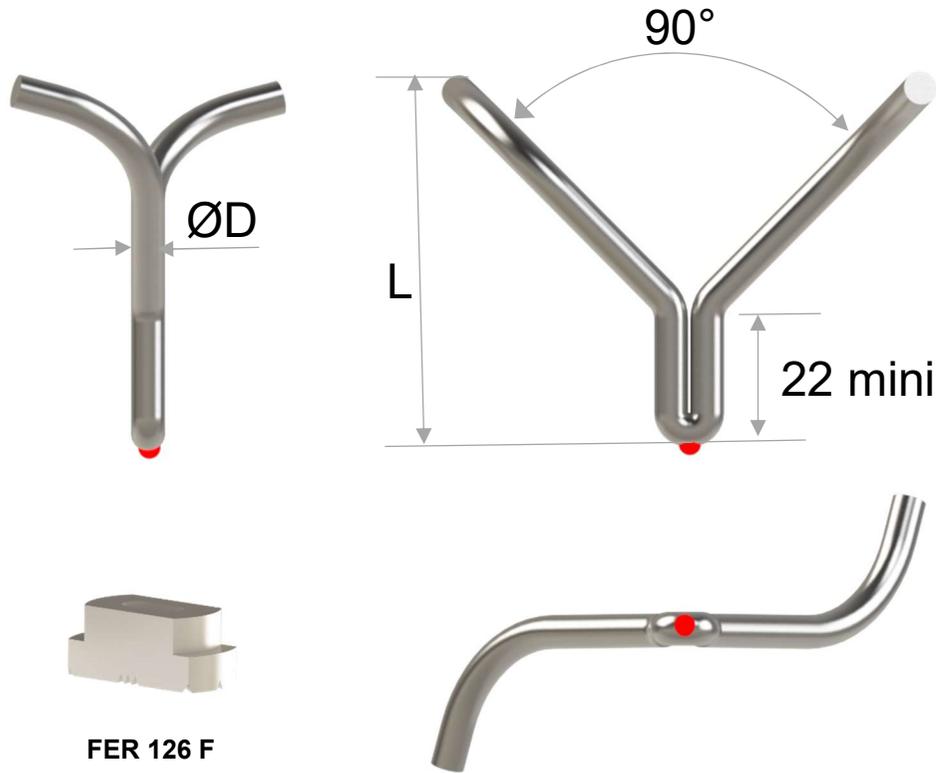
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FER 126 F

**CV RL-AB.4 (90) – 150 - 310**  
 TYPE Aluminium Ø D ANGLE LENGTH L ALLOY  
 Ball

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 That allows minimizing bend marking and avoids micro cracks

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

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

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



Our recommendations:

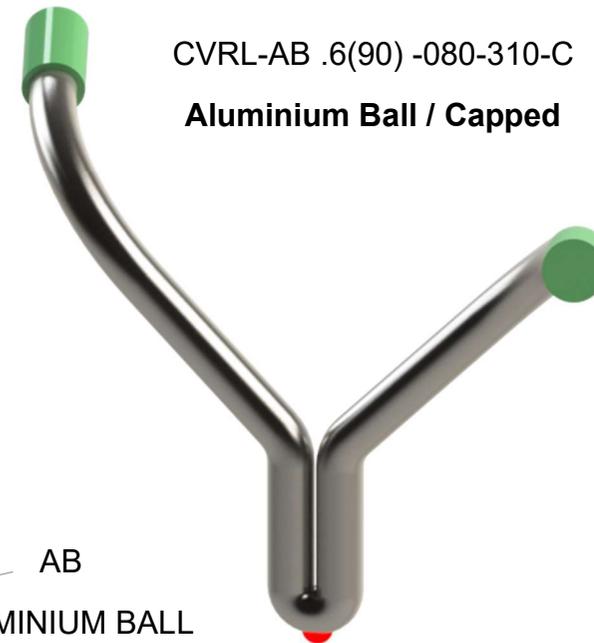
- For tubular walls in boilers.
- Special slimer ferrules are sometimes required when the distance between tubes is too small.
- Always cap your anchors, it will give a small space into which the thermal expansion steel alloy (higher than castable) can move without creating stress and possibly damaging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



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**FERRULE**  
SEE PAGE A4-06



AB  
**ALUMINIUM BALL**



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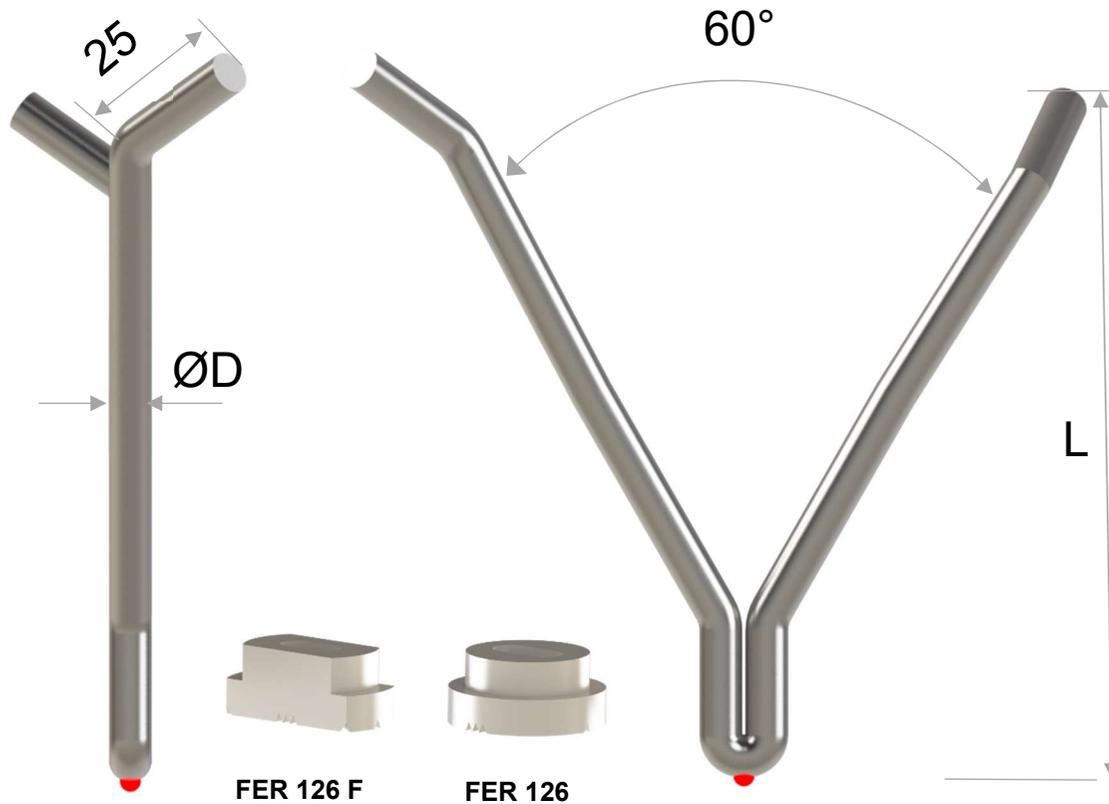
Aluminium ball is recommended for stud welding (see page 11)

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FER 126 F

FER 126

SEE PAGE A4-06



OPTIONS :  
SEE NEXT PAGE

**CV1 BL-AB. 6 (60) - 150- 310**

TYPE	Aluminium	Ø D	ANGLE	LENGTH L	ALLOY
	Ball				

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That allows minimizing bend marking and avoids micro cracks

Our recommendations:

- This anchor is designed for stud welding



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CV1 BL-AB.6(60) -100 -310  
Aluminium Ball



CV1 BL-AB.6(60) -100 -310 -C  
Aluminium Ball / Capped



AB  
ALUMINIUM BALL



FER 126 F



FER 126

SEE PAGE A4-06



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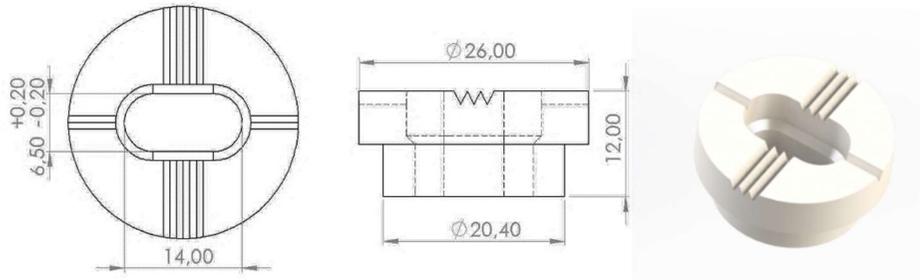
Aluminium ball is recommended for stud welding (see page 11)



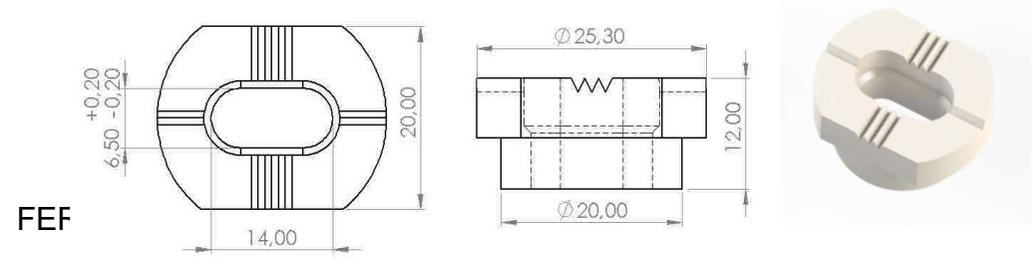
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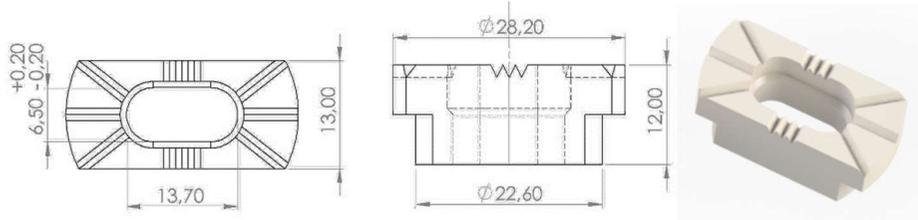


FER 126 for CV, STP, CTP Ø 6 mm

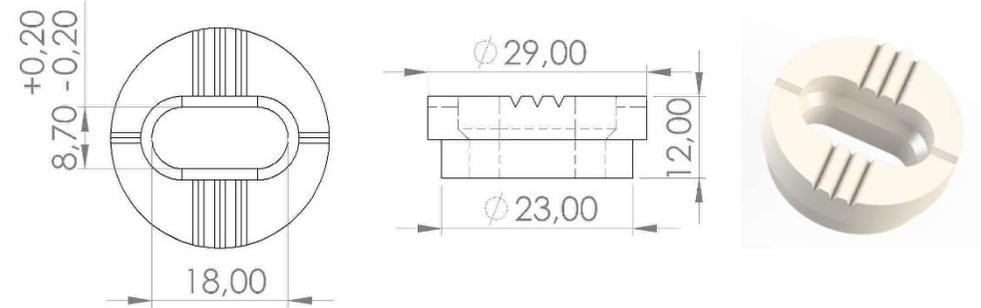


FEF

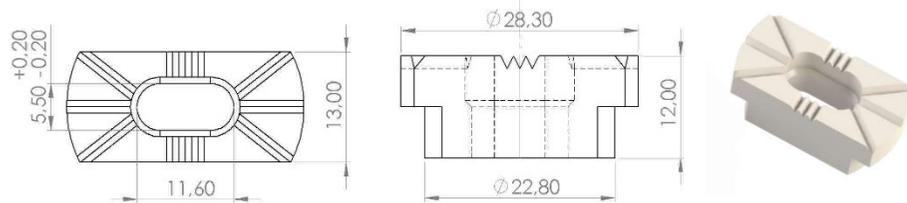
FER 126S for CV, STP, CTP Ø 6 mm



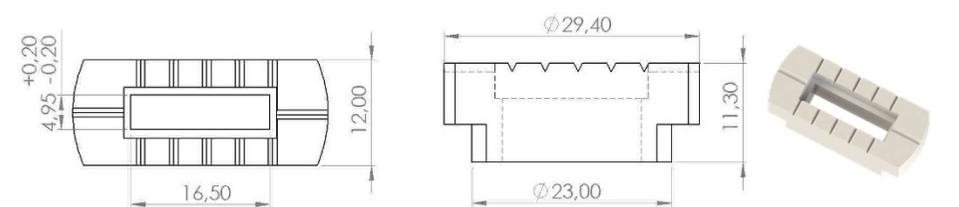
FER 126F for CV, STP, CTP Ø 6 mm



FER 168 for CV, STP, CTP Ø 8 mm



FER 105F for CV, STP, CTP Ø 5 mm



FER 163 for YRA, YRB 16/4 mm



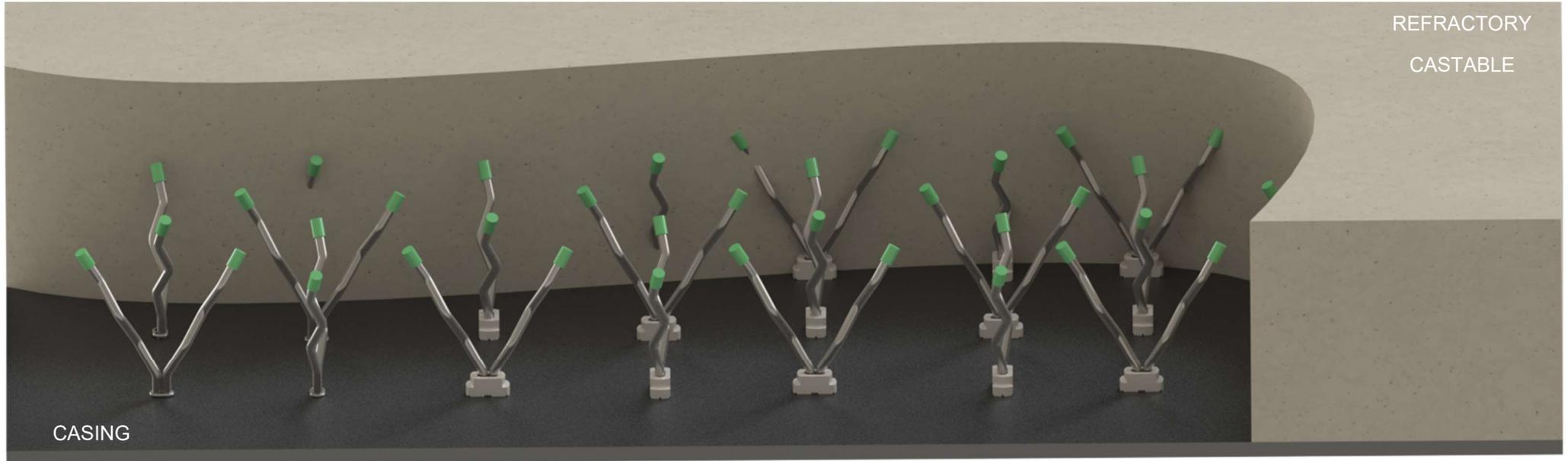
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REFRACTORY  
CASTABLE

Option : CAPS  
SEE PAGE A7-01

Option : AB  
Aluminium Ball  
Ex : CTP.6 – 120-310-AB  
SEE PAGE 15

Option : FERRULES

Ø 5 = FER 105 or 105 F  
Ø 6 = FER126 or 126 S or 126 F  
Ø 8 = FER 168  
SEE PAGE A4-06

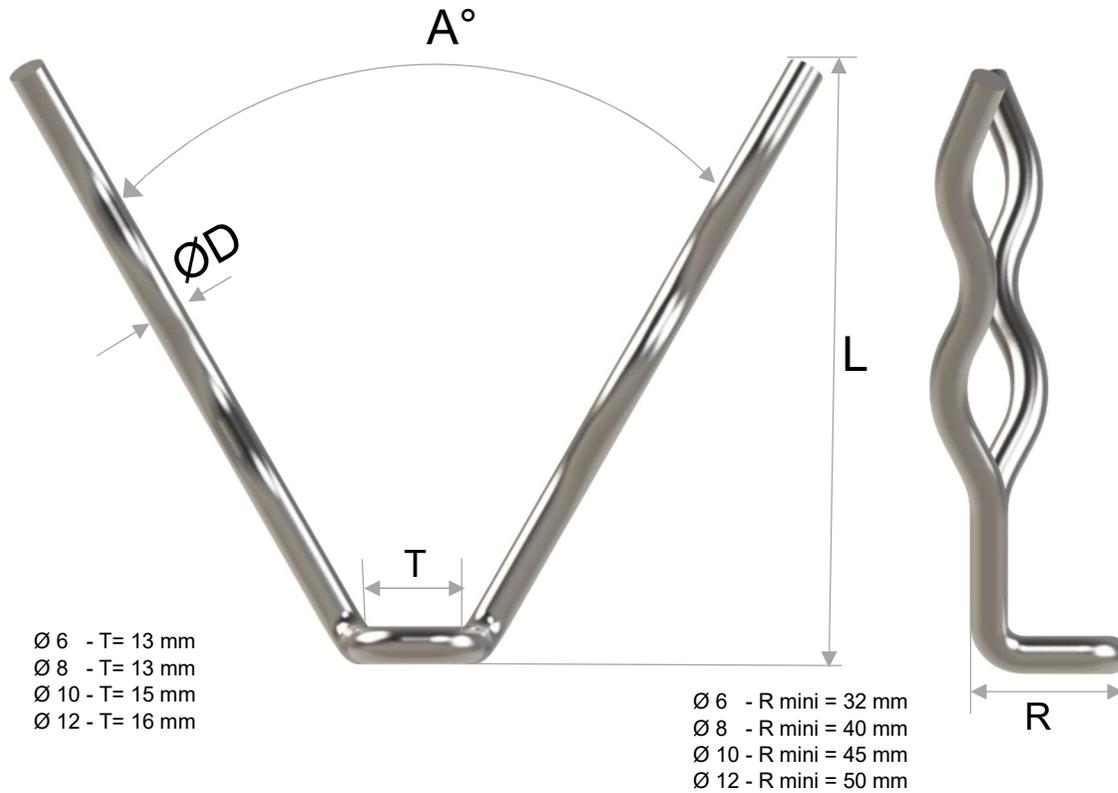


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OPTIONS:  
SEE NEXT PAGE

**VS.8 (60) -100 - 253MA**

TYPE Ø D ANGLE A LENGTH L ALLOY

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That allows minimizing bend marking and avoids micro cracks

www.anchorsforrefractory.com  
contact@anchorsforrefractory.com



Our recommendations:

- The bent foot allows easier 90° positioning on the 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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VS .8(60) -100- 304 -C

**Capped**

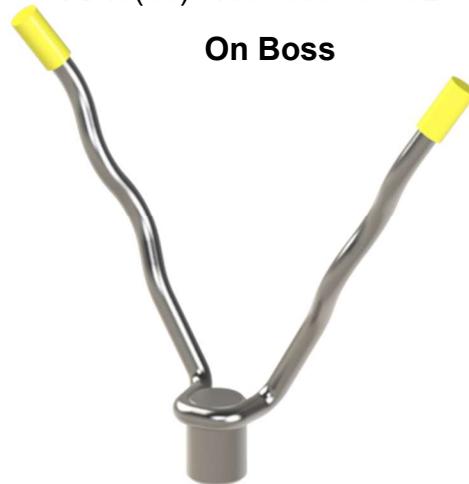
VS .8(60) -100/90- 253 MA

**UNEQUAL LEGS**

VS .8(60) -100- 310-C-ON

**On Nut**

VS .8(60) -100- 330- C -OB

**On Boss**

VS .8(60) -100- 253 MA-OS

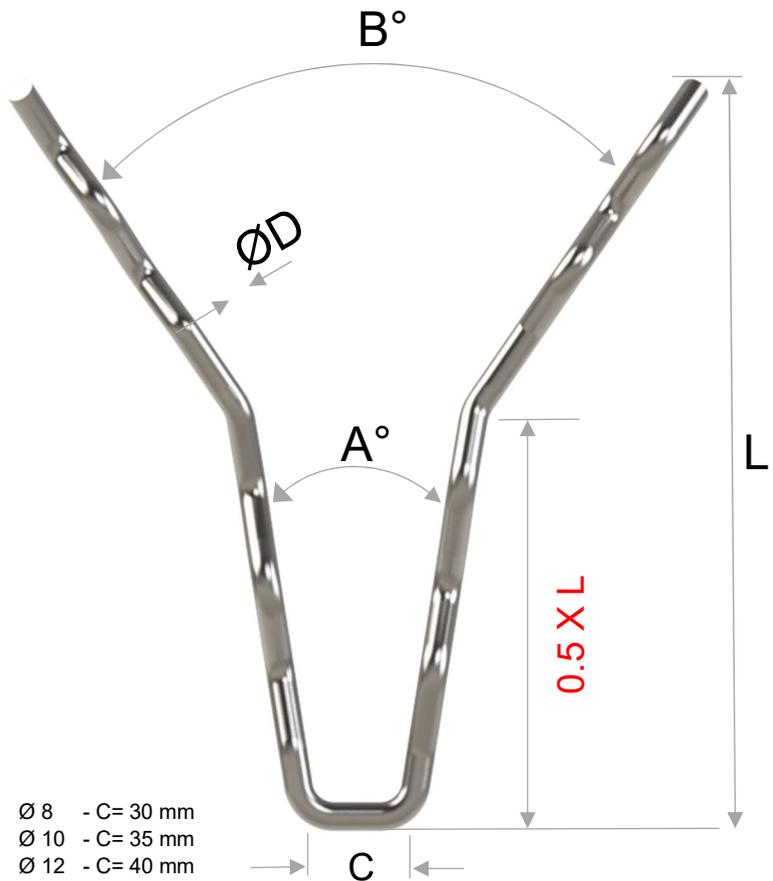
**On Stud****OPTIONS****SEE PAGE 10-11-12**

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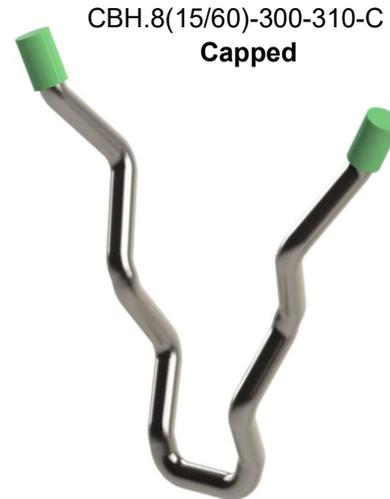


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- Ø 8 - C= 30 mm
- Ø 10 - C= 35 mm
- Ø 12 - C= 40 mm



OPTIONS

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.

<b>CBH.8 (15/60) -300- 310</b>				
TYPE	Ø D	ANGLE A/B	LENGTH L	ALLOY

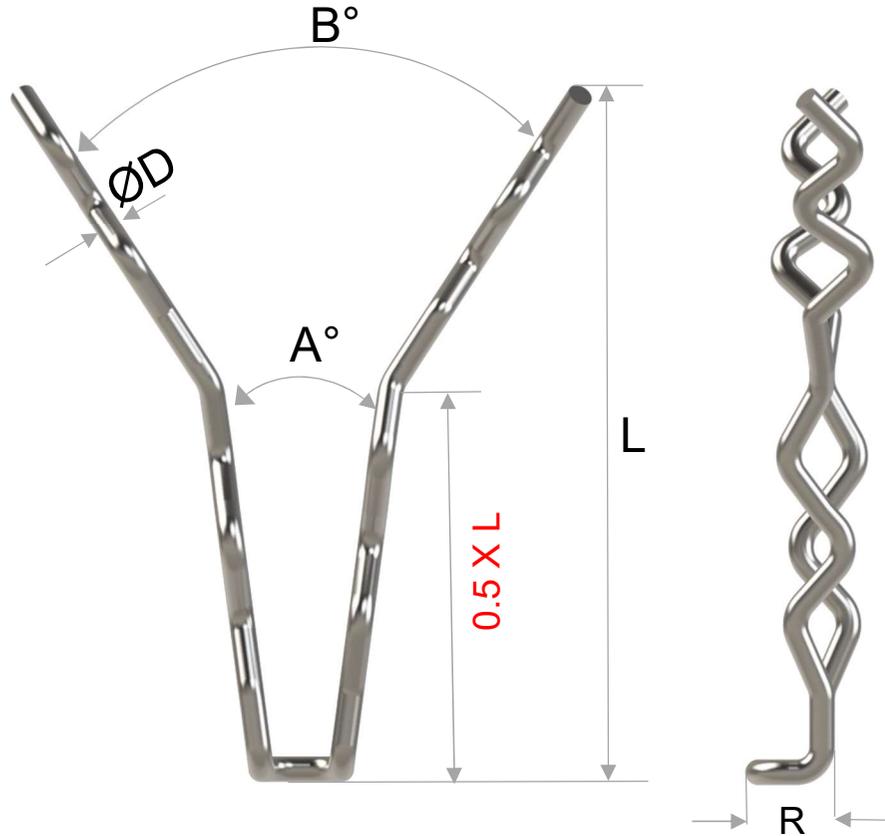
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<b>CBH.SG.8 (15/55) -300-38- 310</b>						
TYPE	Ø D	ANGLE A/B	LENGTH L	LENGTH R	ALLOY	

- Ø 6 - R= 32 mm
- Ø 8 - R= 38 mm
- Ø 10 - R= 48 mm
- Ø 12 - R= 50 mm

CBH.SG.8(15/55)-300-38-253MA-C

Capped

CBH.SG.8(15/55)-300/280-38-310

Unequal legs

OPTIONS

Our recommendations:

- The bent foot allows easier 90° positioning on steel casing and makes welding longer/stronger
- 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.

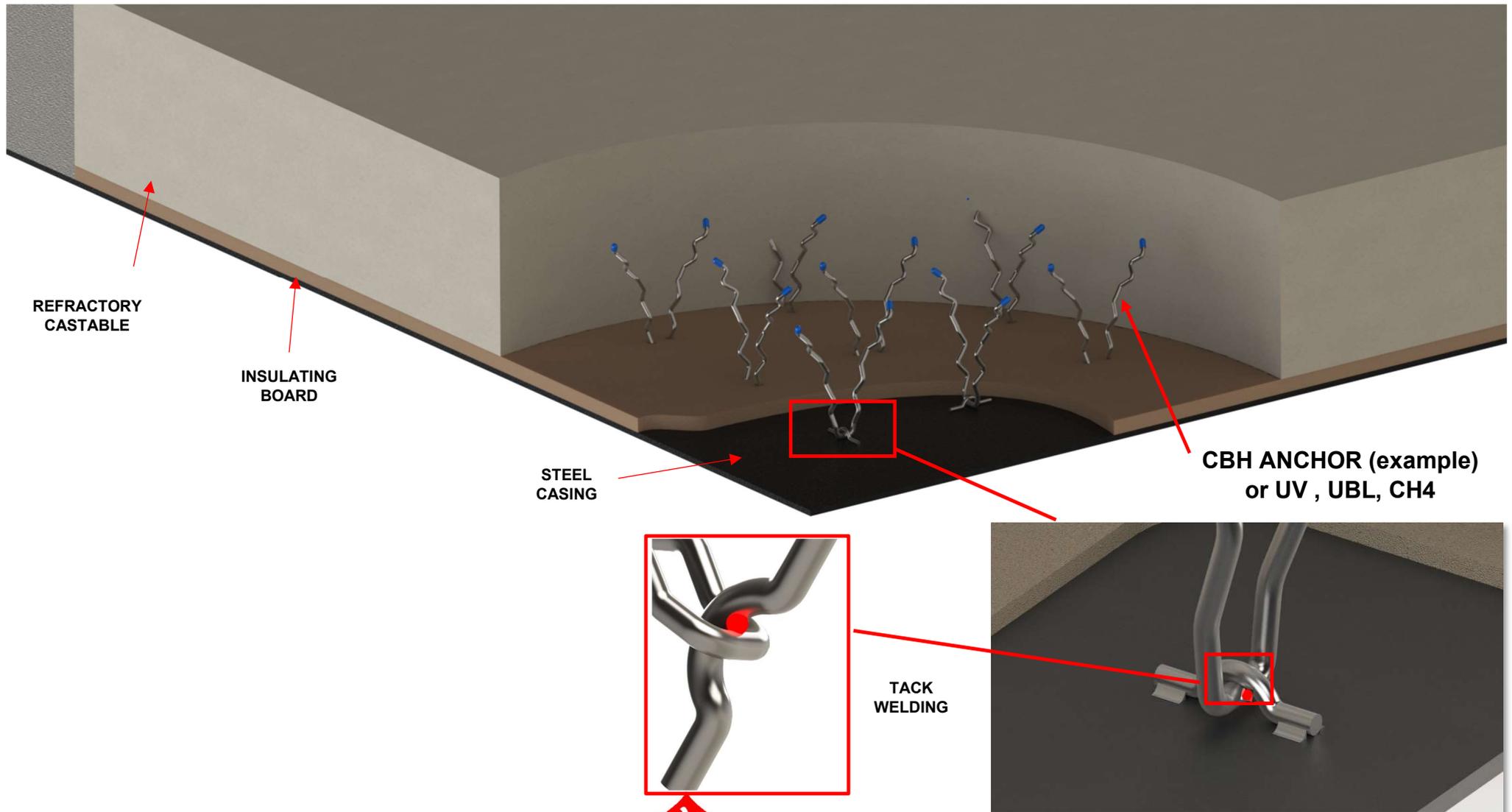
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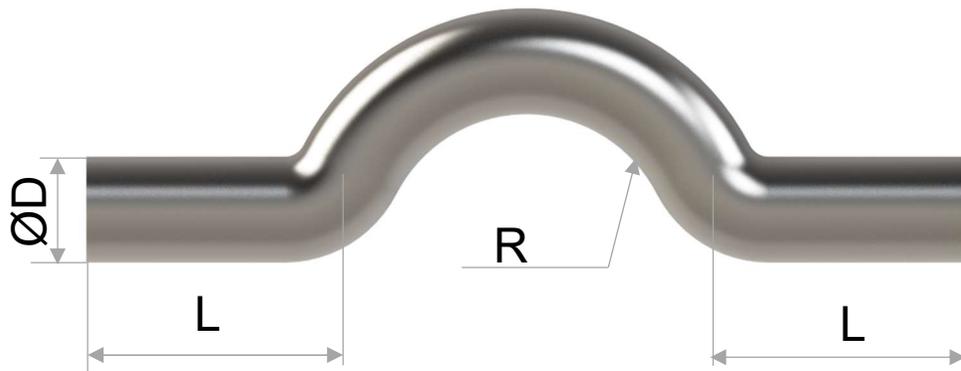


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WB.10-R16/30-253MA



WB.6-R12/25-253MA



**WB.8.R14/25 - 253MA**

TYPE	Ø D	RADIUS / LENGTH	ALLOY
		R L	

**NB : L minimum 25 mm**

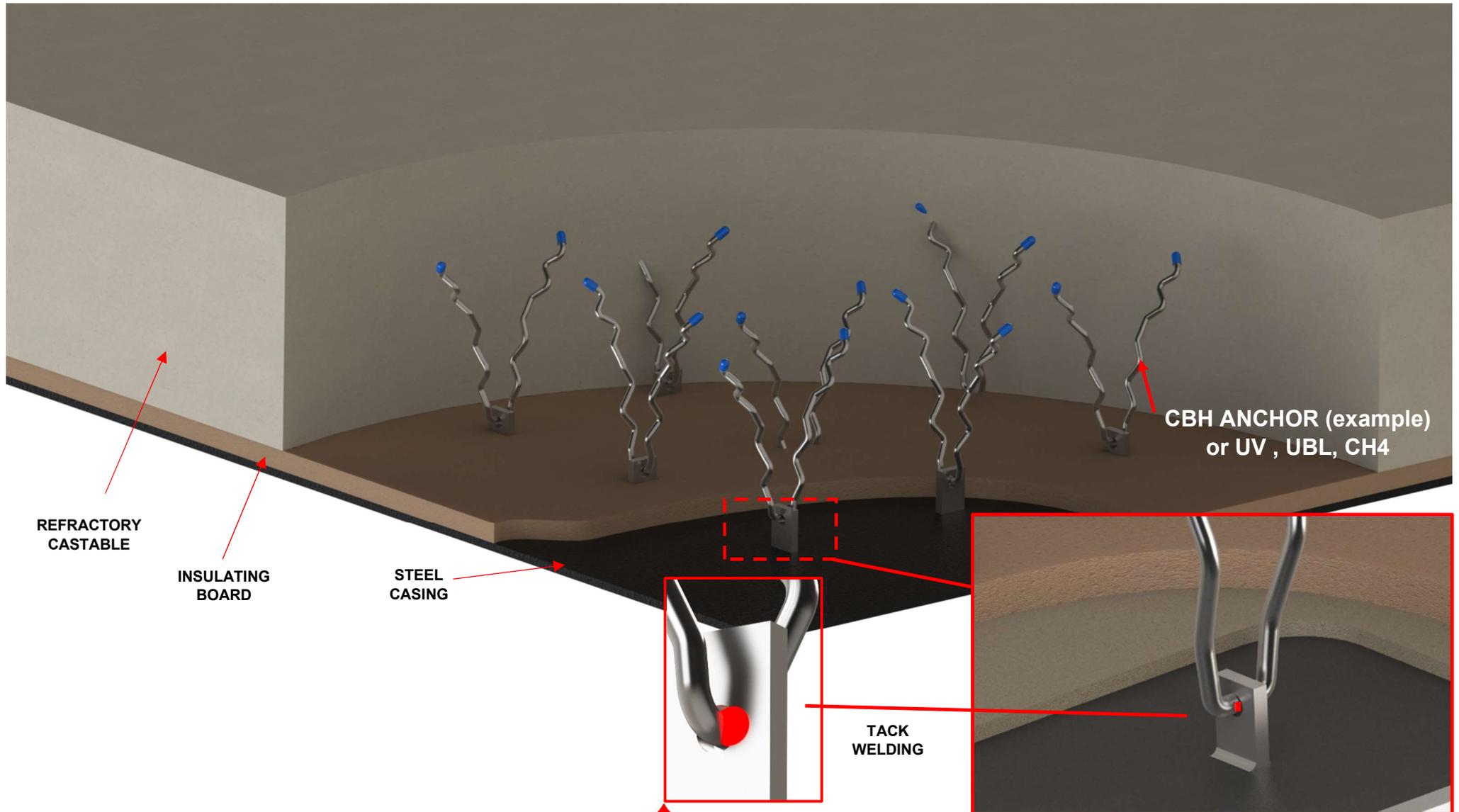
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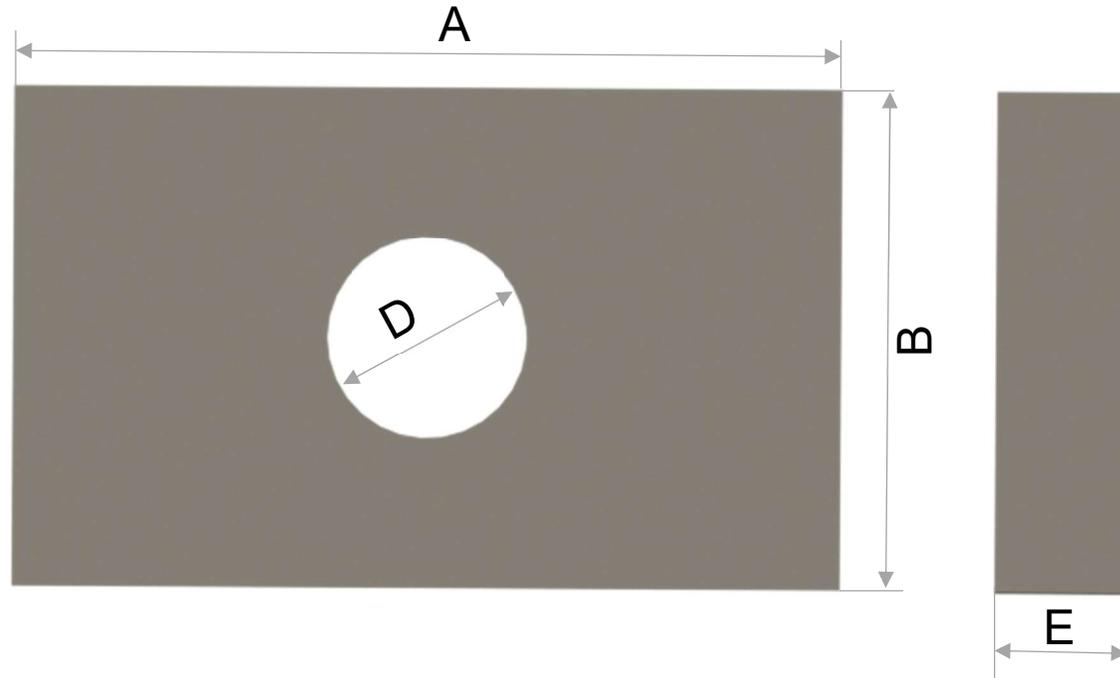
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CBH.8(60/15)-200-253MA C

IN BSP.75.50.10-12(20).310



UBL.6(90/90)-060/025-310

IN BSP.25.20.5 (14X8).310

TECK  
WELDING



**BSP.50. 30. 8-12 - 310**

TYPE	LENGTH	LENGTH E	D	ALLOY
	A	B		

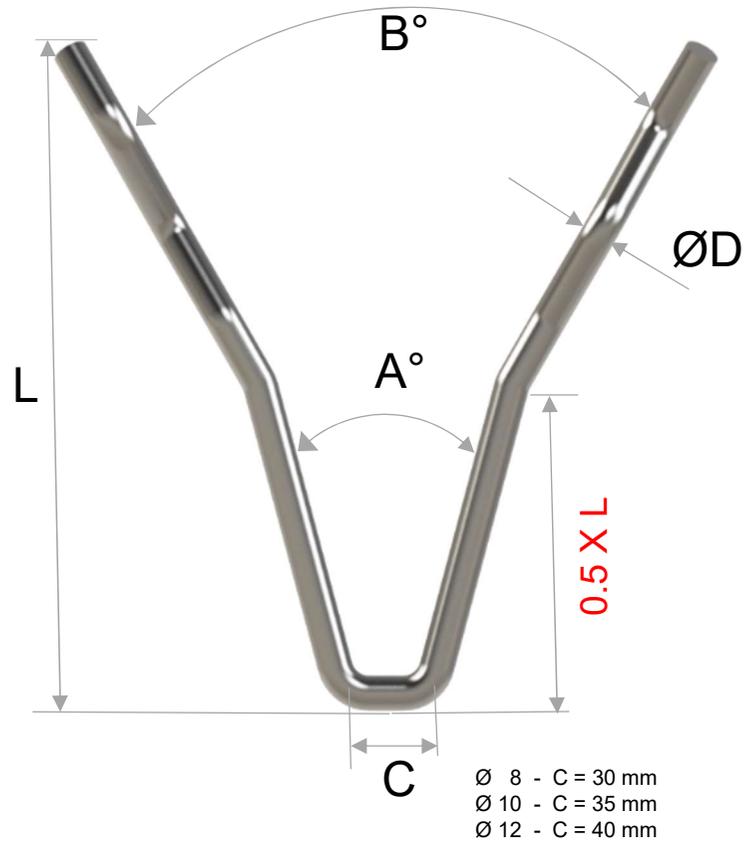
www.anchorsforrefractory.com  
contact@anchorsforrefractory.com



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OPTION  
WITH PLASTIC CAPS



RVO .8(15/60) -100 - 253MA-C

<b>RVO .8(15/60) -100 - 253MA</b>				
TYPE	Ø D	ANGLE A/B	LENGTH L	ALLOY

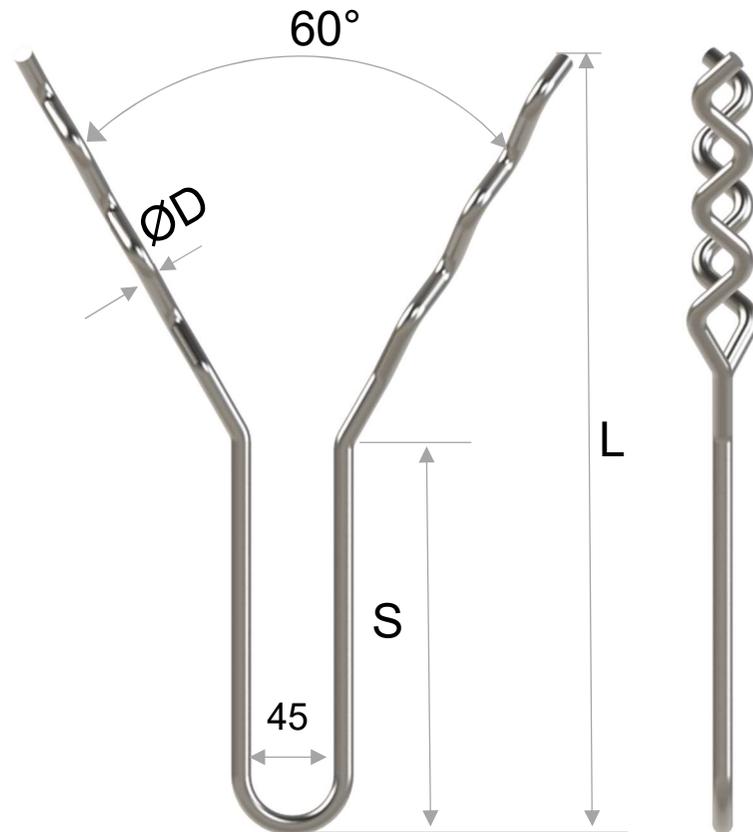
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

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OPTION  
WITH PLASTIC CAPS



**HAL.8 (60) -300 (150)- 45- 253MA**

TYPE Ø D ANGLE LENGTH L STEP S ALLOY

**HAL.8 (60) -300 (150)- 45- 253MA-C**

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

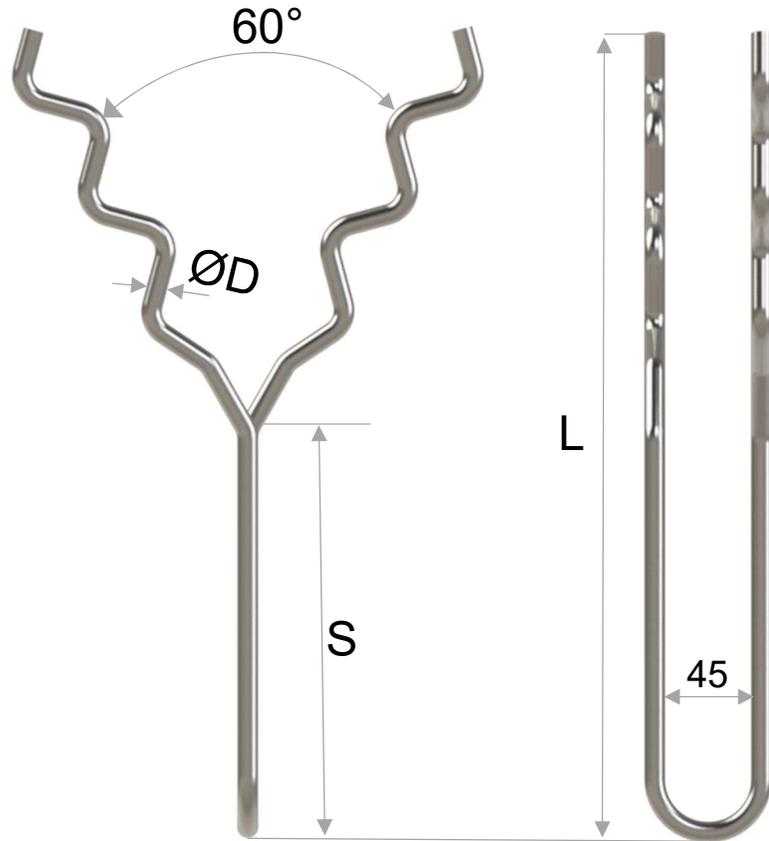


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OPTION  
WITH PLASTIC CAPS



**HAR.8 (60) -300 (150)- 45- 253MA**  
 TYPE Ø D ANGLE LENGTH L STEP S ALLOY

**HAR.8 (60) -300 (150)- 45- 253MA-C**

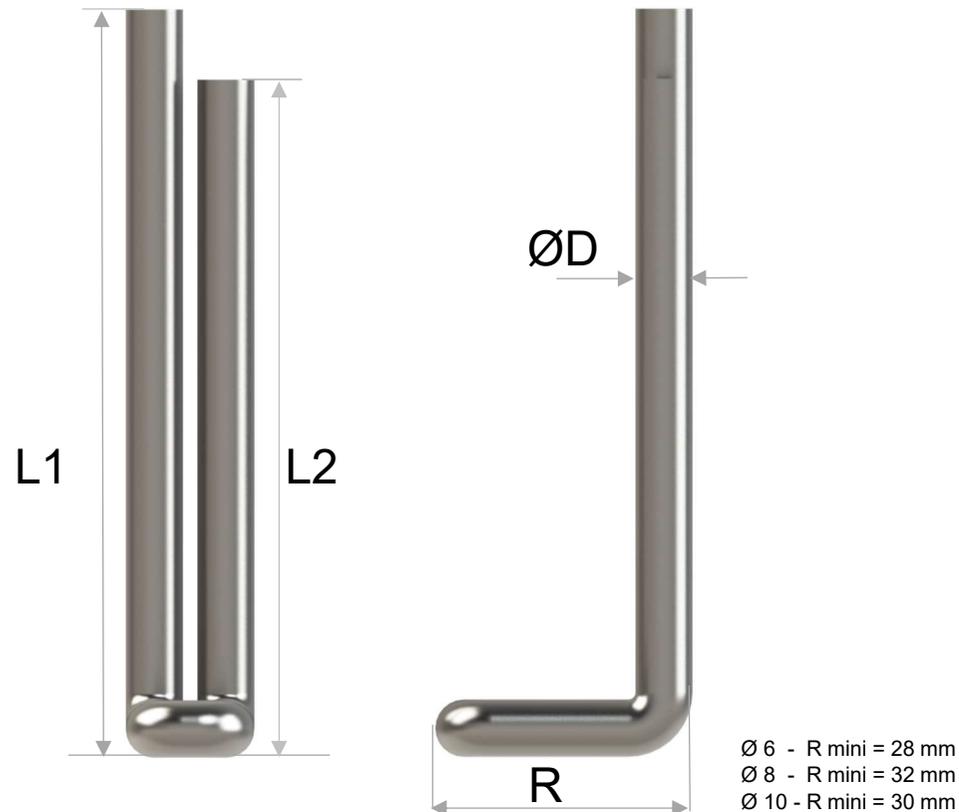
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools.  
 That allows minimizing bend marking and avoids micro cracks

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# STH .8-080/070 - 30-310

TYPE	Ø D	LENGTH / LENGTH	LENGTH	ALLOY
		L1	L2	R

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

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### Our recommendations:

- Washers in Carbon steel or aisi 304
- We highly recommend aisi 304 for washers
- A corrugated version (page A7-02) 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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STH.8 -080/070-30 -310

**UNEQUAL LEGS**

STH.8 -080-30-310 -C

**CAPPED****OPTION  
WITH WASHER**

DIN 125  
 DIA 5 - M10 (20x10.5x2)  
 DIA 6 - M12(24x13x2.5)  
 DIA 8 - M16(32x17x3)  
 Carbon Steel or  
 Aisi 304 (recommended)

Washer prevents opening for forming the Ve in the thickness of back up insulating pannel (that would damage insulation) .

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

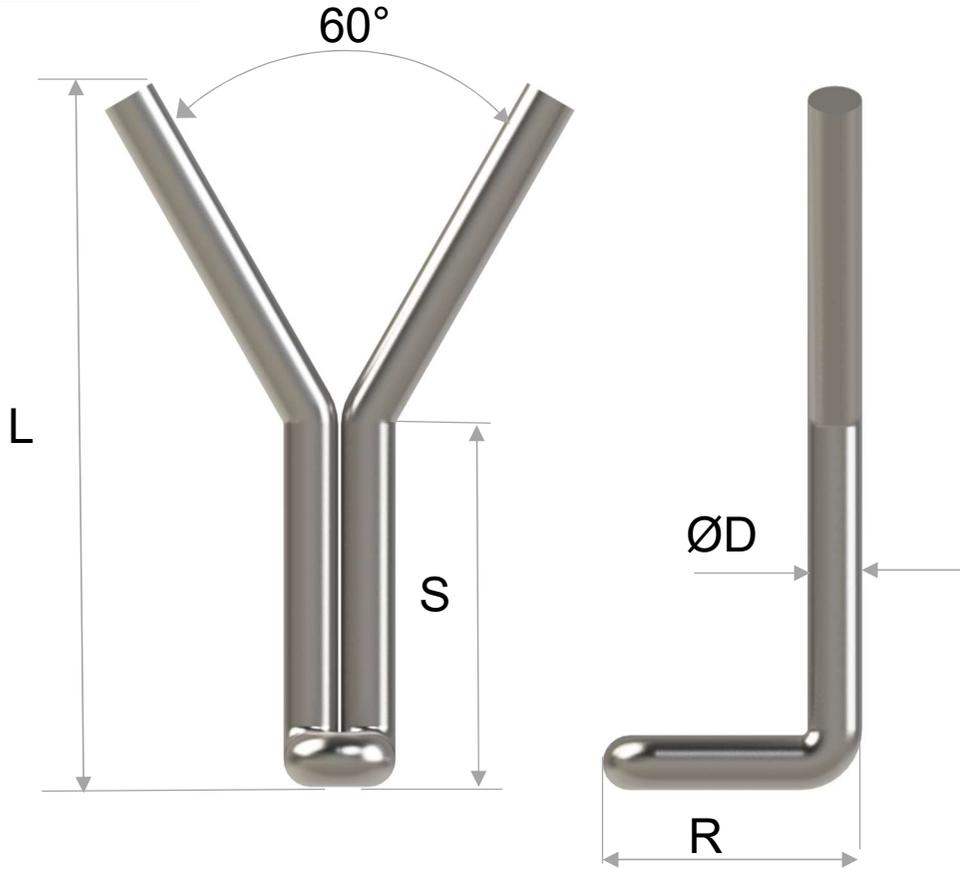
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**STH .8 (60) – 080(045) - 30 - 310**

TYPE	Ø D	ANGLE	LENGTH / LENGTH	LENGTH	ALLOY
			L S	R	

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

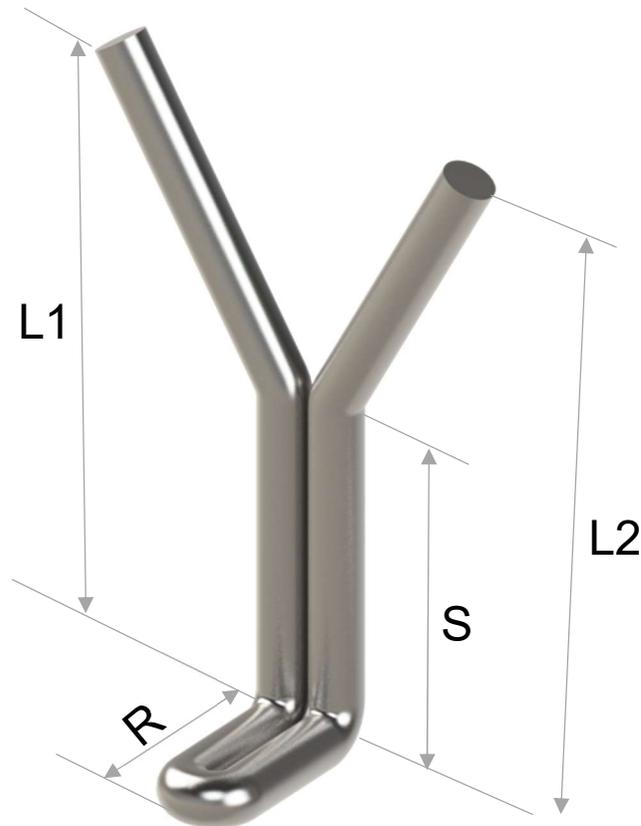
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STH .8 (60)-080 / 045 / 065 -30 -310  
 TYPE Ø D ANGLE L1 L2 L3 R ALLOY

**UNEQUAL LEGS**



STH.8 (60)-080-30 -310 C

**CAPPED**

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

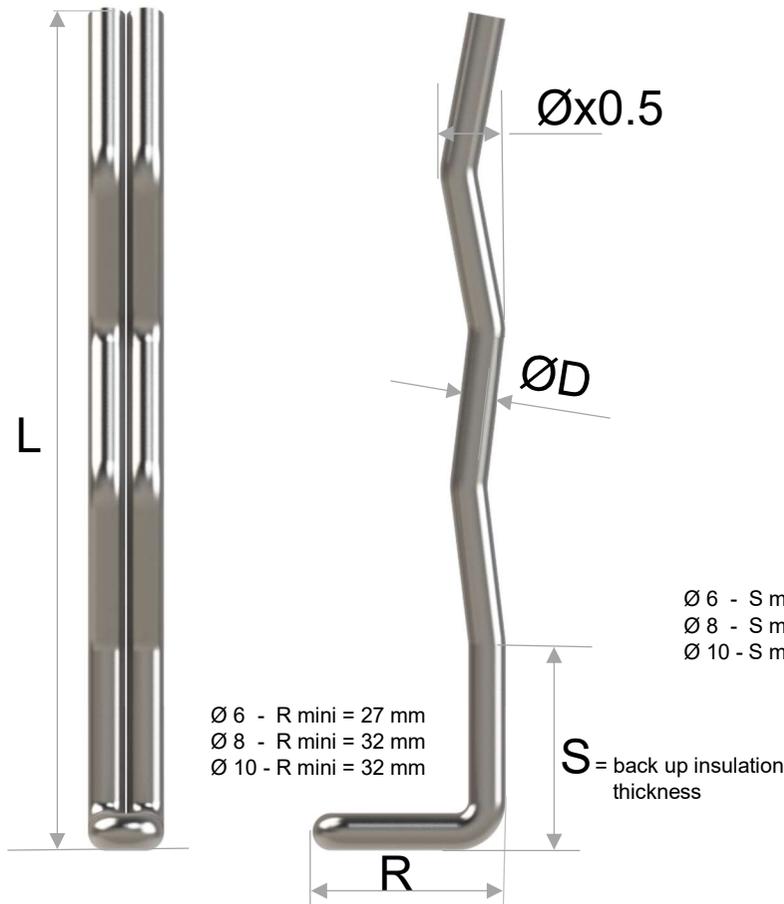


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Ø 6 - R mini = 27 mm  
 Ø 8 - R mini = 32 mm  
 Ø 10 - R mini = 32 mm

Ø 6 - S mini = 30 mm  
 Ø 8 - S mini = 45 mm  
 Ø 10 - S mini = 30 mm

S = back up insulation thickness

OPTIONS :  
 SEE NEXT PAGE



Our recommendations:

- Washers in Carbon steel or aisi 304
- We highly recommend aisi 304 for washers
- 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.

<b>CTH .6-120 (30) – 30 - 310</b>					
TYPE	Ø D	LENGTH	STEP	LENGTH	ALLOY
		L	S	R	

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

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CTH.6 -120/110-30 -310

**UNEQUAL LEGS**

CTH.6 -120-30-310 -C

**CAPPED**

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

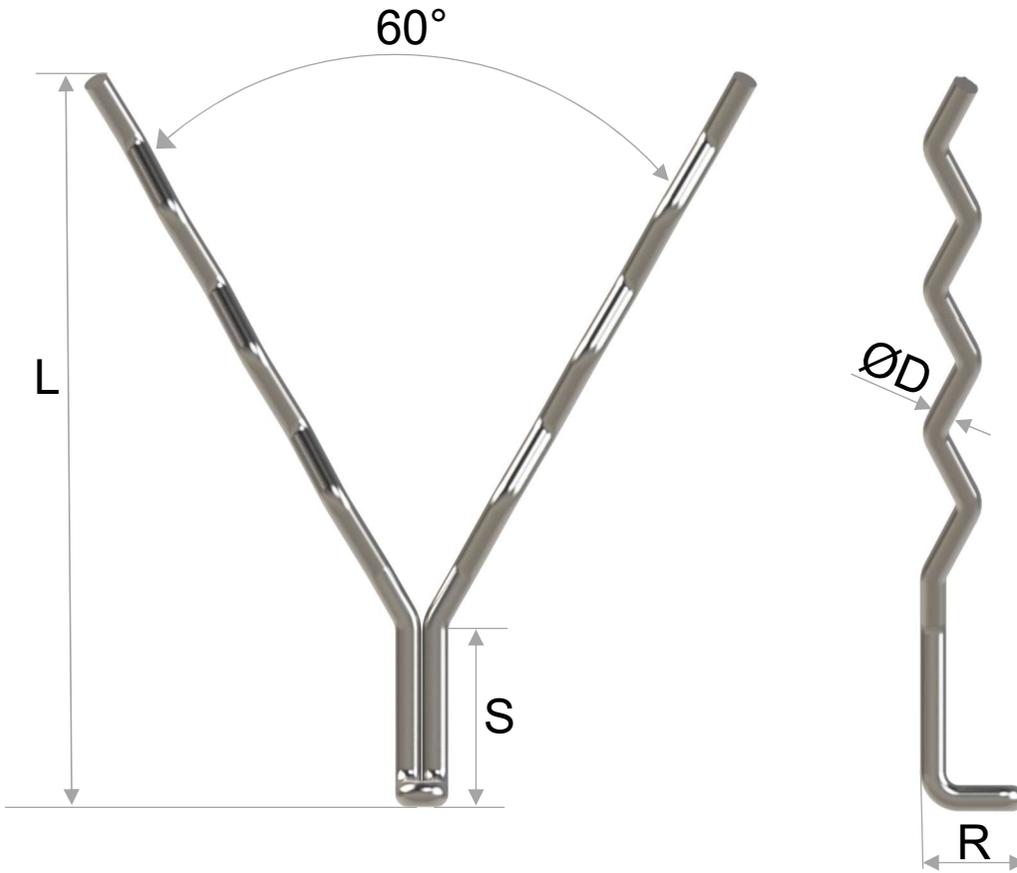
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**OPTION**  
**WITH WASHER**

DIN 125  
DIA 5 - M10 (20x10.5x2)  
DIA 6 - M12(24x13x2.5)  
DIA 8 - M16(32x17x3)  
Carbon Steel or  
Aisi 304 (recommended)

Washer prevents opening for forming the Ve in the thickness of back up insulating pannel (that would damage insulation) .  
The washer is to prevent any damage to the back up insulating panel during the opening of the Ve part / dense part



<b>CTH.8 (60) - 200(50) - 30 - 310</b>						
TYPE	Ø D	ANGLE	LENGTH STEP	LENGTH	ALLOY	
			L S	R		



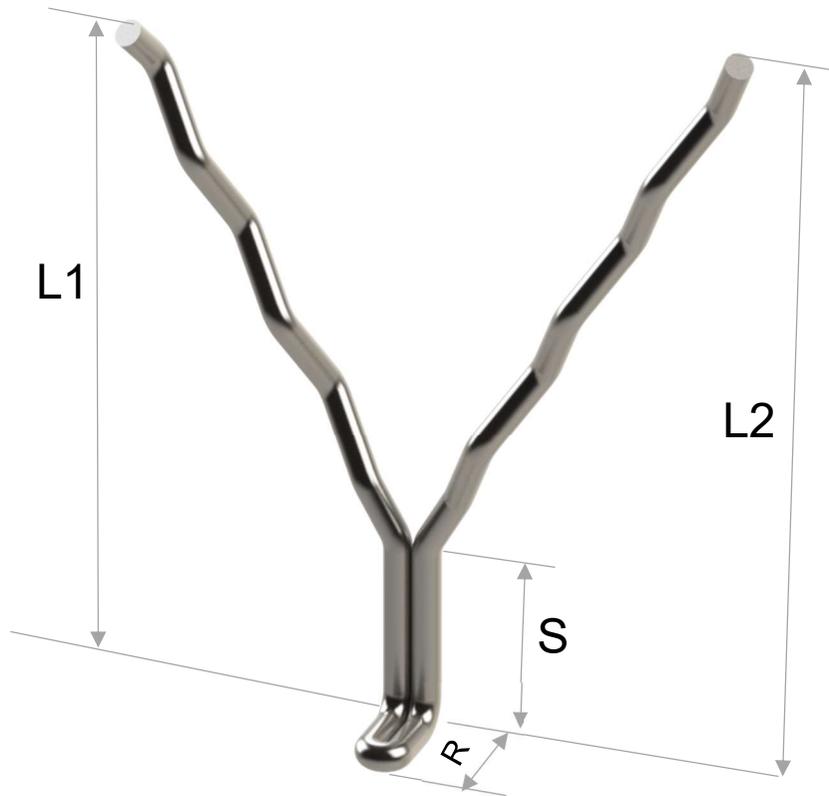
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CTH .8 (60) – 200/185(50) - 30- 310  
 TYPE Ø D ANGLE L1 L2 S R ALLOY  
**UNEQUAL LEGS**



CTH.8 (60) – 200 (50) - 30 – 310 C  
**CAPPED**

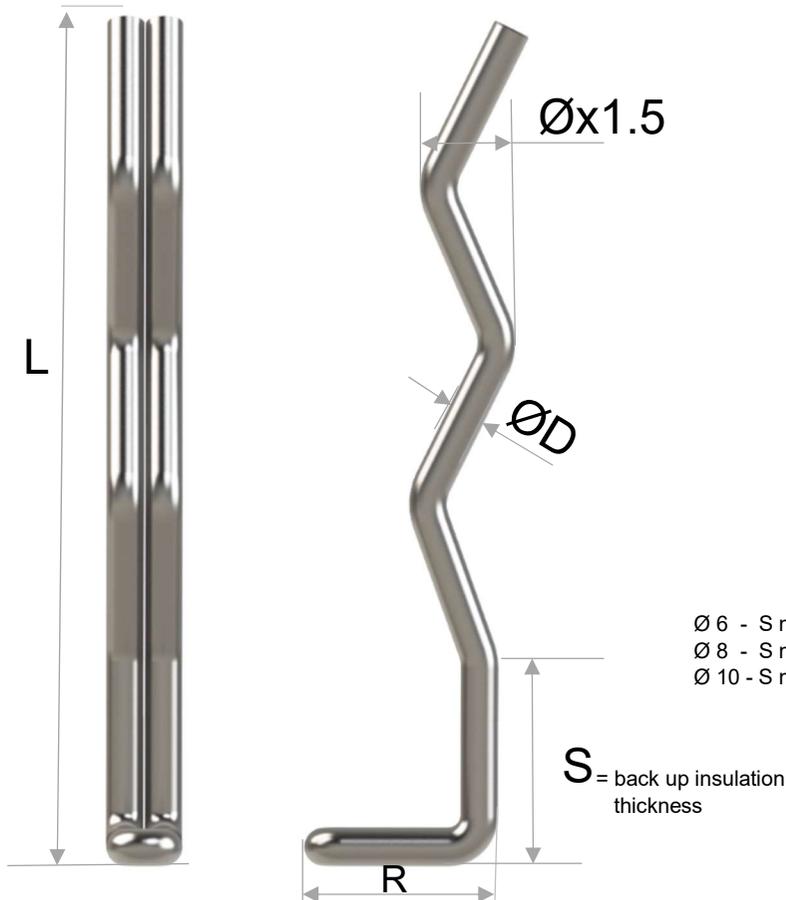
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Ø 6 - S mini = 30 mm  
 Ø 8 - S mini = 45 mm  
 Ø 10 - S mini = 30 mm

OPTIONS :  
 SEE NEXT PAGE



Ø 6 - R mini = 27 mm  
 Ø 8 - R mini = 32 mm  
 Ø 10 - R mini = 32 mm

Our recommendations:

- Washers in Carbon steel or aisi 304
- More deeply corrugated than CTH
- We highly recommend aisi 304 for washers
- 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.

<b>HTH .6-100 (30) – 30 - 310</b>					
TYPE	Ø D	LENGTH	STEP	LENGTH	ALLOY
		L	S	R	

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HTH.6 -120/110(30)-30 -310

**UNEQUAL LEGS**

HTH.6 -120(30)-30-310 -C

**CAPPED****OPTION  
WITH WASHER**

DIN 125  
 DIA 5 - M10 (20x10.5x2)  
 DIA 6 - M12(24x13x2.5)  
 DIA 8 - M16(32x17x3)  
 Carbon Steel or  
 Aisi 304 recommended

Washer prevents opening for forming the Ve in the thickness of back up insulating pannel (that would damage insulation) .

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

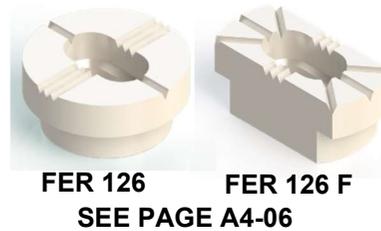
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OPTIONS :  
SEE NEXT PAGE



**STP-AB .6-150 - 310**  
 TYPE Aluminium Ø D LENGTH L ALLOY  
 Ball

Our recommendations:

- A corrugated version (PAGE A7-05) performs much better.
- Washers in Carbon steel or aisi 304
- We highly recommend aisi 304 for washers
- Remember that after stud welding you lose around 3 mil length adapt length
- This anchor is designed for stud welding

**⚠ If you don't want aluminium ball, mention NO AB in the specification of anchor .**

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



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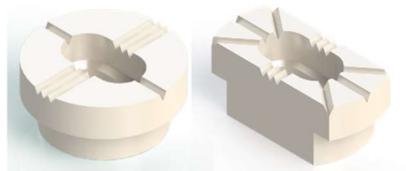
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STP-AB.6 -150 - 310- C  
**CAPPED**



STP-AB.6 -150/140-310  
**UNEQUAL LEGS**



FER 126      FER 126 F  
SEE PAGE A4-06



**OPTION  
WITH WASHER**

DIN 125  
DIA 5 - M10 (20x10.5x2)  
DIA 6 - M12(24x13x2.5)  
DIA 8 - M16(32x17x3)  
Carbon Steel or  
Aisi 304 recommended

Aluminium ball is recommended for stud welding (see page 11)  
It makes the stud welding much easier



**⚠ If you don't want aluminium ball, mention  
NO AB in the specification of anchor .**

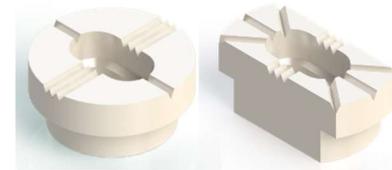
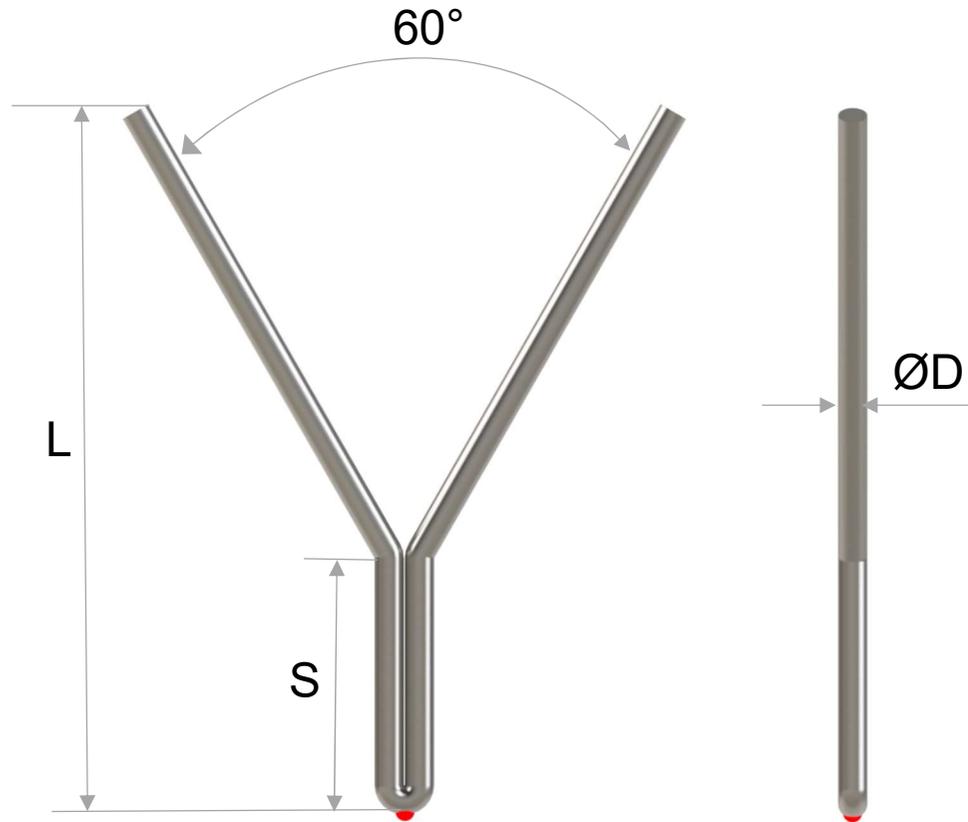
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FER 126      FER 126 F  
SEE PAGE A4-06

<b>STP-AB. 6 (60)-150 (50) - 310</b>						
TYPE	Aluminium	Ø D	ANGLE	LENGTH	STEP	ALLOY
	Ball			L	S	

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

**⚠ If you don't want aluminium ball, mention NO AB in the specification of anchor .**



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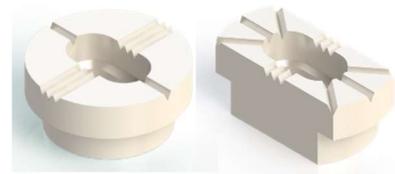
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STP -AB.6(60) -150(50) - 310- C  
**CAPPED**



STP-AB.6(60) -150/130(50) - 310  
**UNEQUAL LEGS**



FER 126      FER 126 F  
**SEE PAGE A4-06**

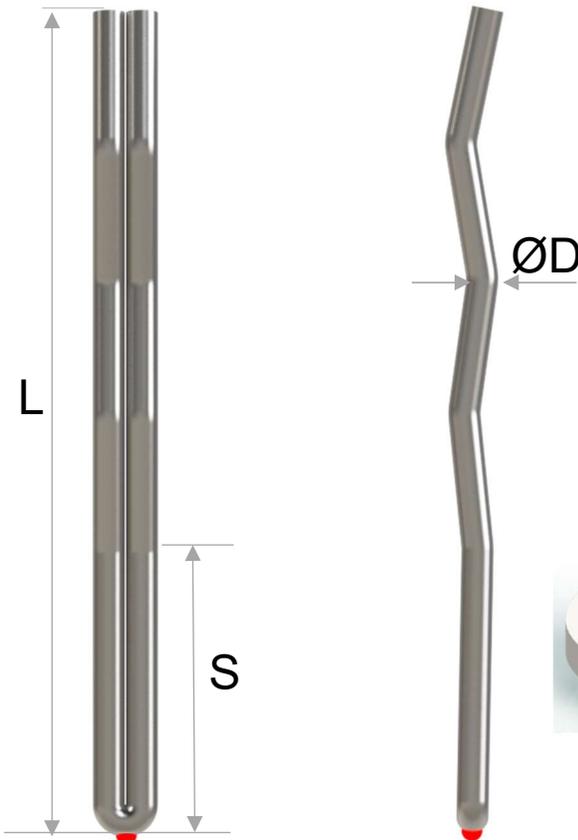
**⚠ If you don't want aluminium ball, mention NO AB in the specification of anchor .**

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OPTIONS:  
SEE NEXT PAGE



Our recommendations:

- A corrugated version performs much better.
- Washers in Carbon steel or aisi 304
- We highly recommend aisi 304 for washers
- Remember that after stud welding, you lose around 3 mil length adapt length

**⚠ If you don't want aluminium ball, mention NO AB in the specification of anchor .**

<b>CTP-AB .6-150(30) - 310</b>					
TYPE	Aluminium	Ø	LENGTH	STEP	ALLOY
	Ball	D	L	S	

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



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CTP-AB.6 -150 - 304- C  
**CAPPED**



CTP-AB.6 -150/140-304  
**UNEQUAL LEGS**



### OPTION WITH WASHER

DIN 125  
DIA 5 - M10 (20x10.5x2)  
DIA 6 - M12(24x13x2.5)  
DIA 8 - M16(32x17x3)  
Carbon Steel or  
Aisi 304 recommended

Aluminium ball is recommended for stud welding (see page 11)

It makes the stud welding much easier

**⚠ If you don't want aluminium ball,  
mention NO AB in the specification**

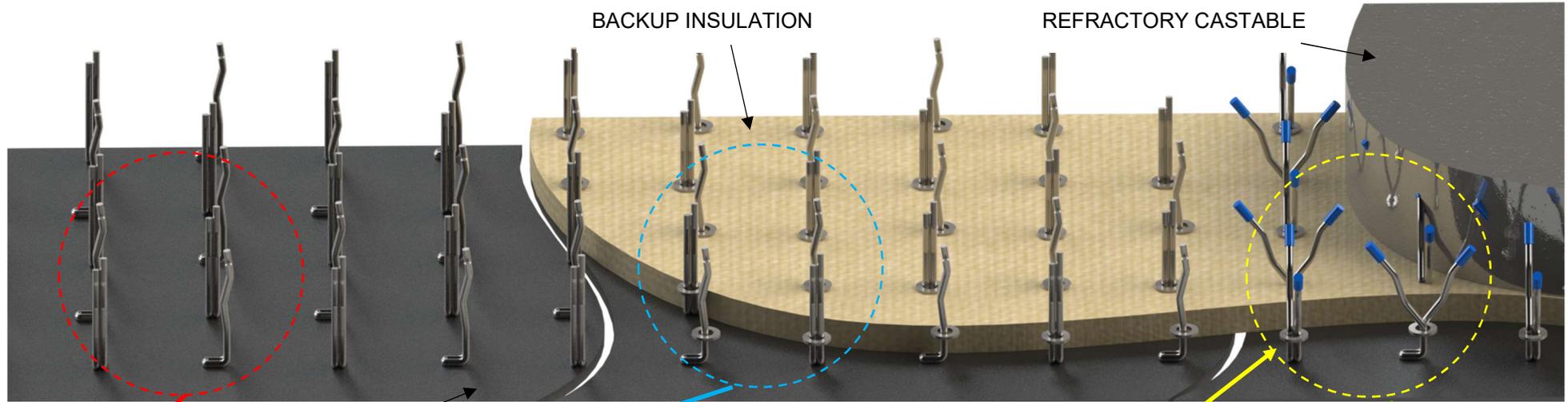
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[contact@anchorsforrefractory.com](mailto:contact@anchorsforrefractory.com)



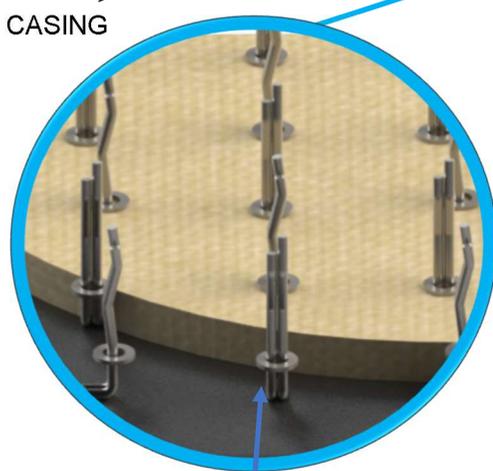
Tél : + 33 3 66 50 00 33 / +33 7 85 06 29 49

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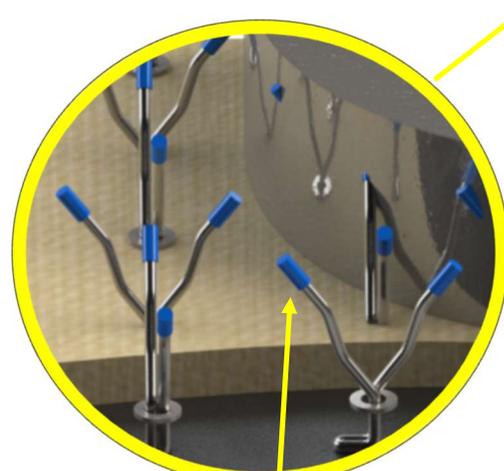
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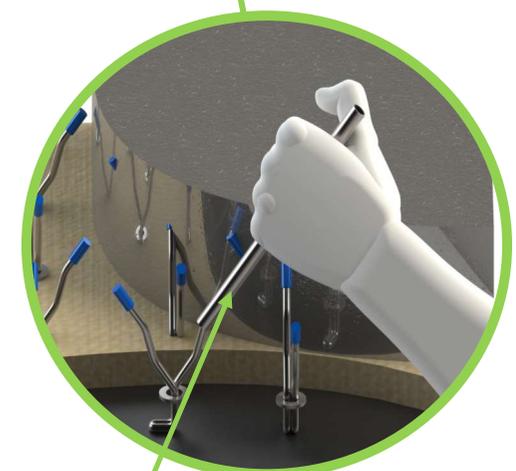
CTH



WASHER



CTH CAPPED



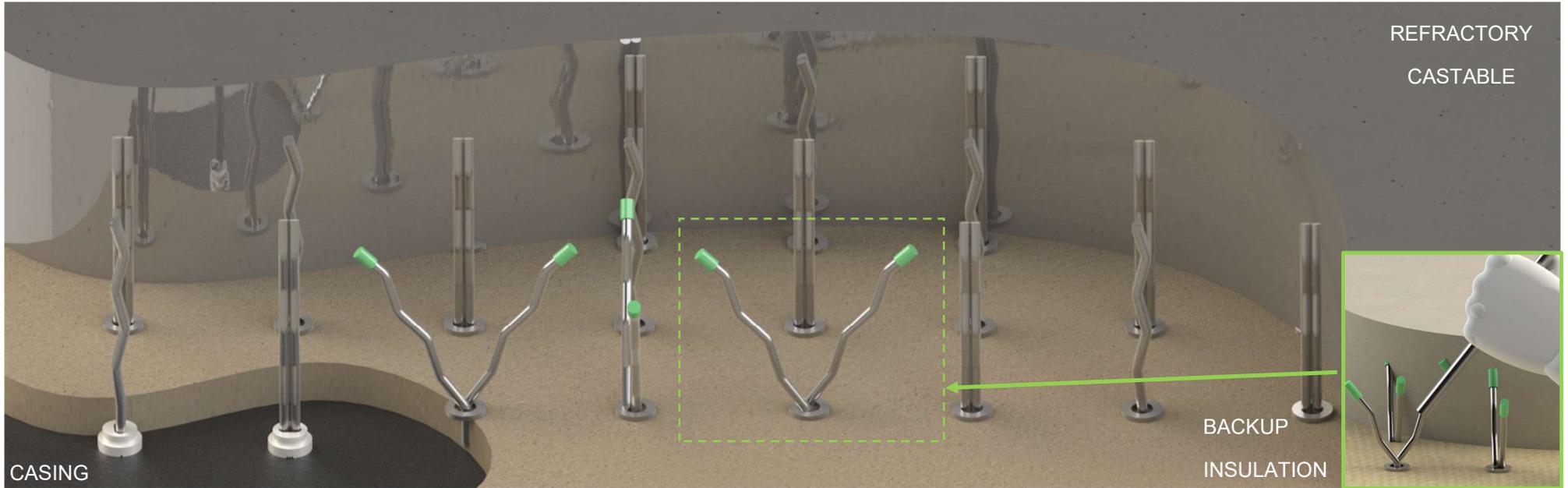
Using a tube as a lever arm helps to open the anchor in V shape

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Option : AB  
 Aluminium Ball  
 Ex : CTP.6 – 120-310-AB  
 SEE PAGE : Page A7-10  
 Recommended for stud welding

Option : FERRULES  
 Ø 5 = FER 105 F  
 Ø 6 = FER126/126F/126S  
 Ø 8 = FER 168  
 SEE PAGE : A4-06



Using a tube as a lever arm helps to open the anchor in V shape

Option : CAPS  
 SEE PAGE : Page 10

Option : Washer

DIN 125  
 Ø 5 = M 10 (20x10.5x2)  
 Ø 6 = M 12 (24x13x2.5)  
 Ø 8 = M 16 (32x17x3)

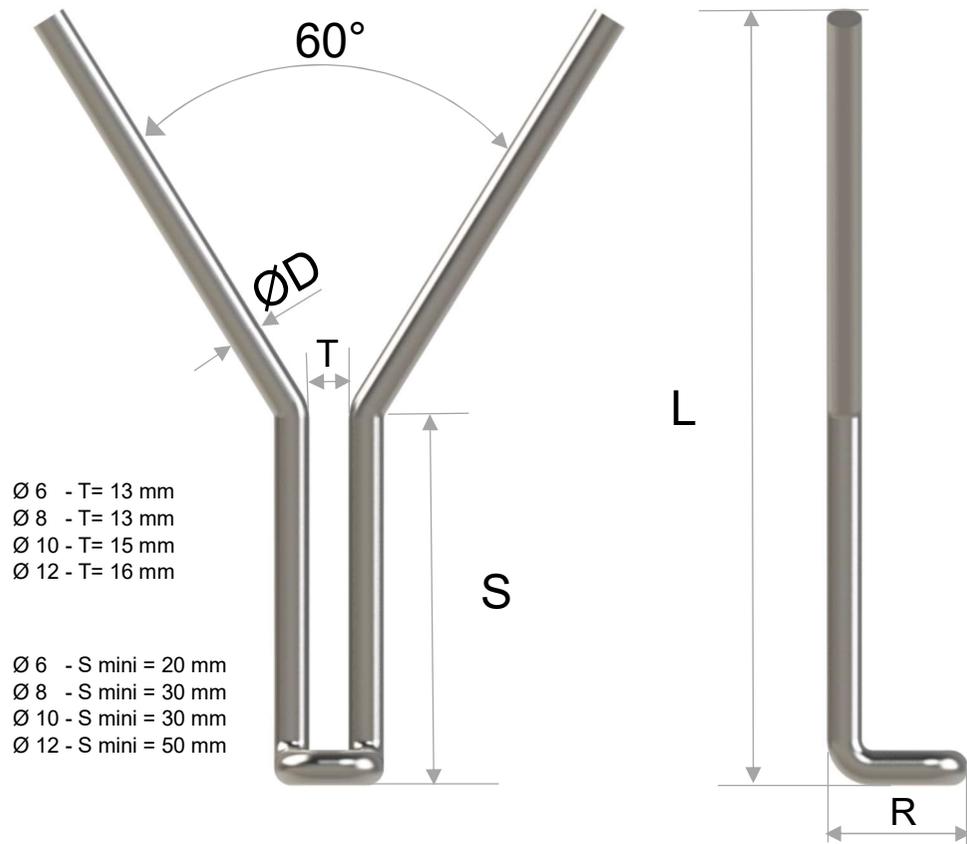


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Our recommendations:

- The bent foot allows easier 90° positioning on the 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.
- TWS (page A8-04) which is corrugated anchors much better

**TWA.8 (60) -180(80)-40- 310**

TYPE	Ø D	ANGLE	LENGTH	STEP LENGTH	LENGTH	ALLOY
			L	S	R	

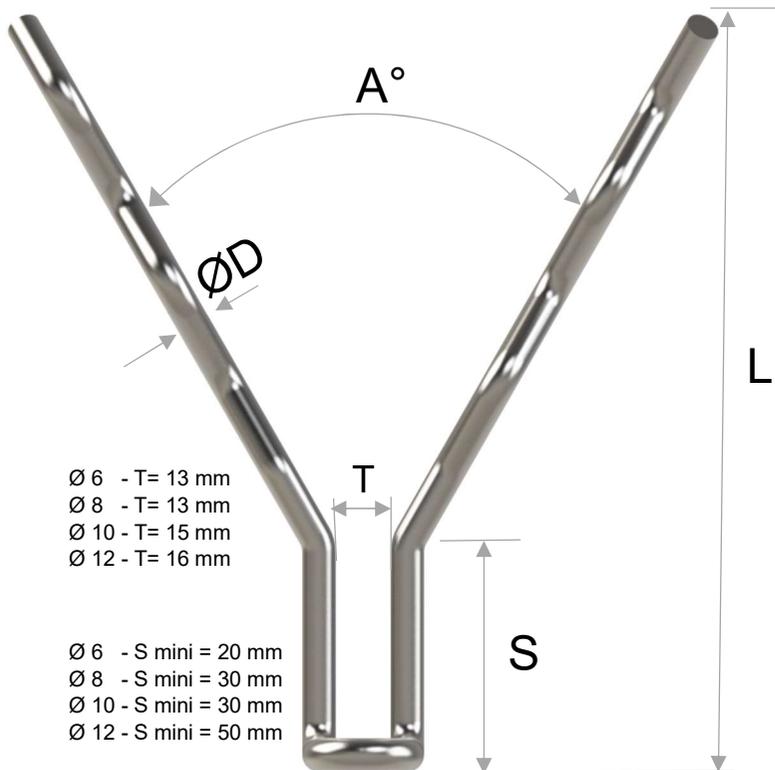
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

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Ø 6 - T= 13 mm  
 Ø 8 - T= 13 mm  
 Ø 10 - T= 15 mm  
 Ø 12 - T= 16 mm

Ø 6 - S mini = 20 mm  
 Ø 8 - S mini = 30 mm  
 Ø 10 - S mini = 30 mm  
 Ø 12 - S mini = 50 mm



Ø 6 - R mini = 32 mm  
 Ø 8 - R mini = 40 mm  
 Ø 10 - R mini = 45 mm  
 Ø 12 - R mini = 50 mm

TWM.8(60)-200(50)-40 -310-C  
**CAPPED**



TWM.8(60)-200/140(50)-40 -310  
**UNEQUAL LEGS**

OPTIONS

<b>TWM.8 (60) -200(50)-40- 310</b>						
TYPE	Ø D	ANGLE	LENGTH L	STEP S	LENGTH R	ALLOY

Our recommendations:

- The bent foot allows easier 90° positioning on steel casing and makes welding longer / stronger (welding only external)
- 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.

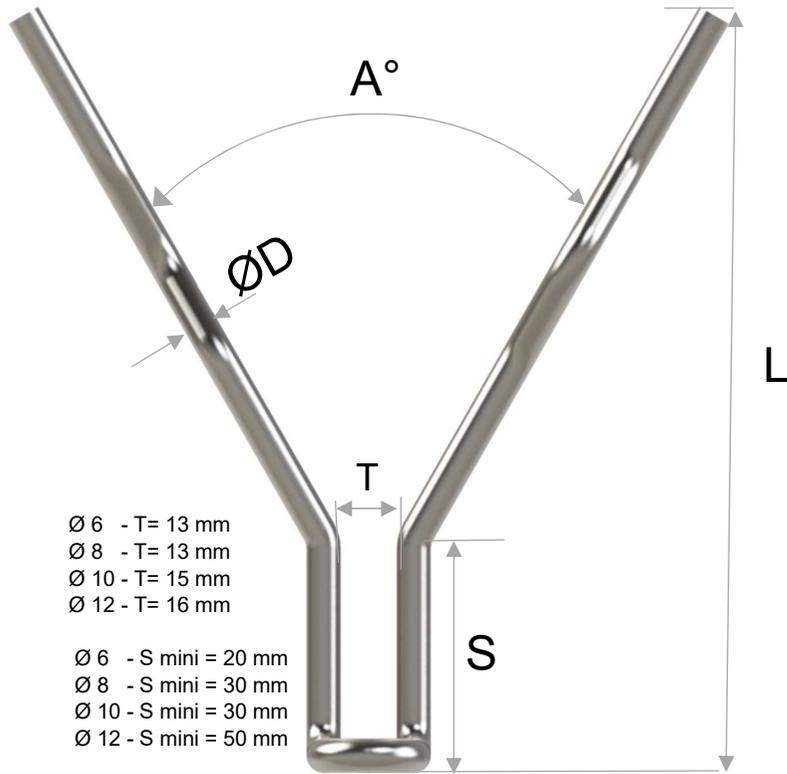
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools.  
 That allows minimizing bend marking and avoids micro cracks

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$\varnothing 6$  - T= 13 mm  
 $\varnothing 8$  - T= 13 mm  
 $\varnothing 10$  - T= 15 mm  
 $\varnothing 12$  - T= 16 mm

$\varnothing 6$  - S mini = 20 mm  
 $\varnothing 8$  - S mini = 30 mm  
 $\varnothing 10$  - S mini = 30 mm  
 $\varnothing 12$  - S mini = 50 mm



$\varnothing 6$  - R mini = 32 mm  
 $\varnothing 8$  - R mini = 40 mm  
 $\varnothing 10$  - R mini = 45 mm  
 $\varnothing 12$  - R mini = 50 mm



OPTIONS

<b>TWU.8 (60) -160(80)-40- 304</b>						
TYPE	$\varnothing D$	ANGLE	LENGTH	STEP	LENGTH	ALLOY
		A	L	S	R	

Our recommendations:

- The bent foot allows easier 90° positioning on steel casing and makes welding longer / stronger (welding only external)
- 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.

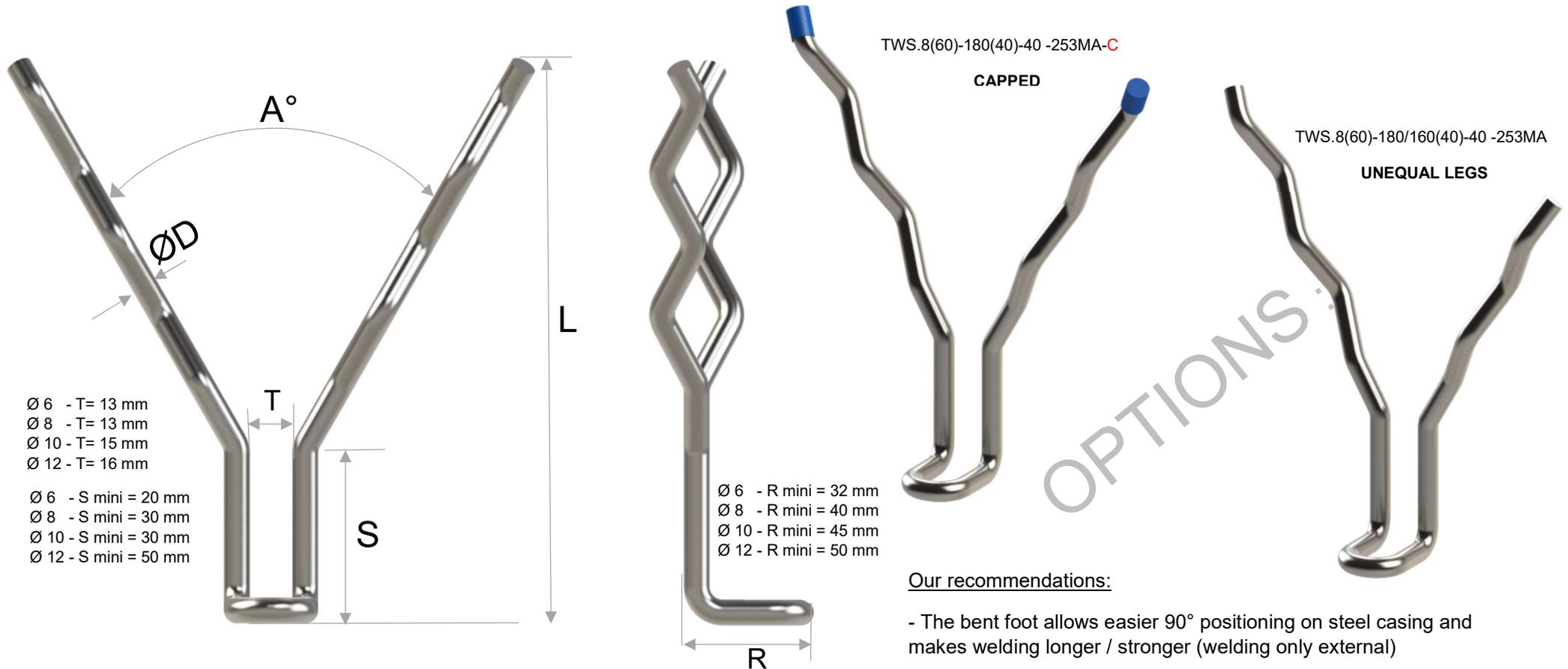
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks



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# TWS.8 (60) -180(40)-40- 253MA

TYPE	$\varnothing D$	ANGLE	LENGTH	STEP	LENGTH	ALLOY
			L	S	R	

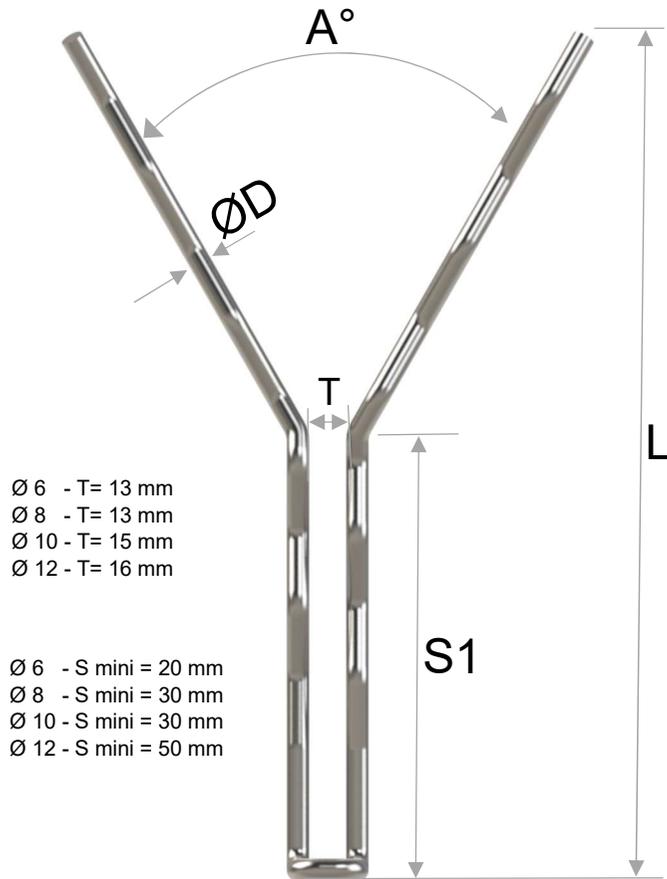
Anchors are manufactured with a DIN EN 10278 (DIN 671) cold drawn wire, by robots using hydraulic tools. That allows minimizing bend marking and avoids micro cracks

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Ø 6 - T= 13 mm  
 Ø 8 - T= 13 mm  
 Ø 10 - T= 15 mm  
 Ø 12 - T= 16 mm

Ø 6 - S mini = 20 mm  
 Ø 8 - S mini = 30 mm  
 Ø 10 - S mini = 30 mm  
 Ø 12 - S mini = 50 mm



Ø 6 - R mini = 32 mm  
 Ø 8 - R mini = 40 mm  
 Ø 10 - R mini = 45 mm  
 Ø 12 - R mini = 50 mm

TWSS.8(60)-300(150-50)-40 -310-C

CAPPED

TWSS.8(60)-300/310(150-50)-40 -310

UNEQUAL LEGS

OPTIONS

# TWSS.8 (60) -300(150-50)-40- 310

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

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

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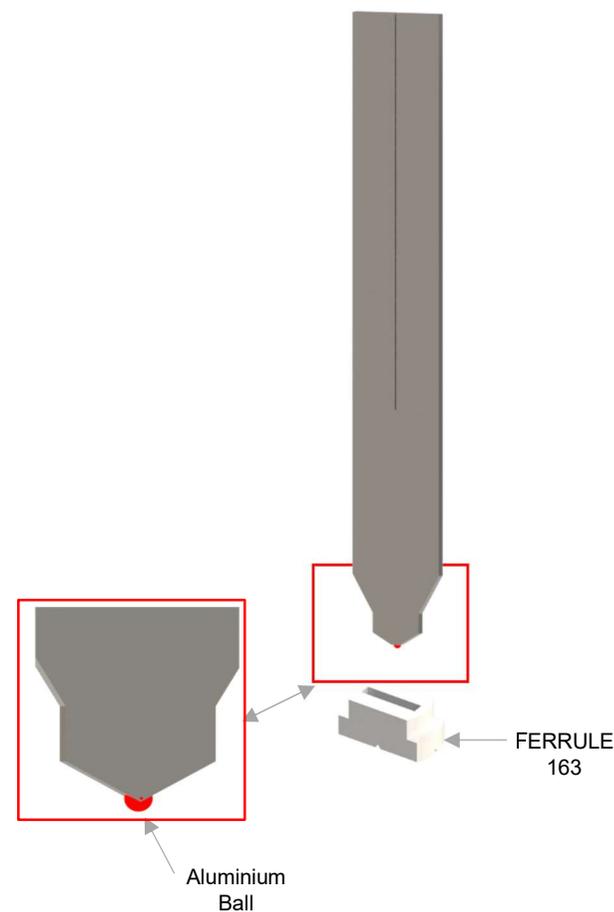
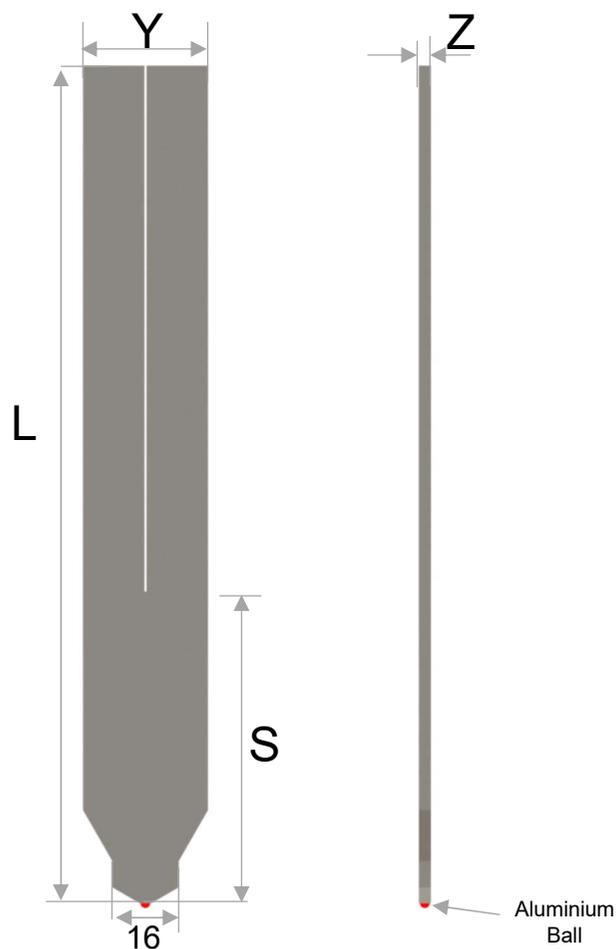


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Our recommendations:

- The bent foot allows easier 90° positioning on steel casing and makes welding longer / stronger (welding only external)
- 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 down part S1 is also corrugated, that improves anchoring of a backup gunned insulating concrete layer.

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<b>YRA-AB.30/3-180(50) - 310</b>					
TYPE	WITH SECTION	LENGTH	LENGTH	ALLOY	
Aluminium ball	YxZ	L	S	310	

Our recommendations:

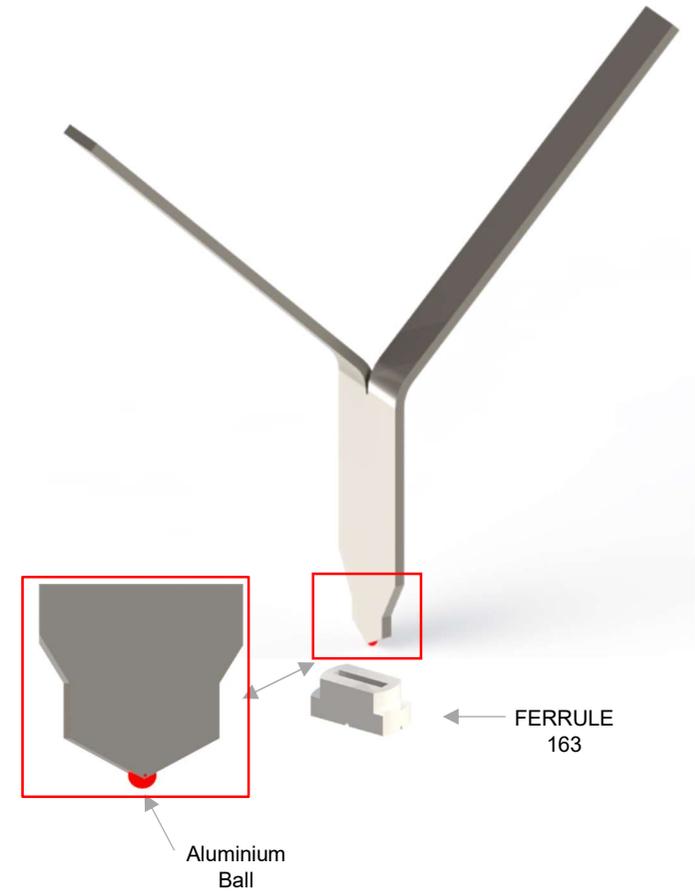
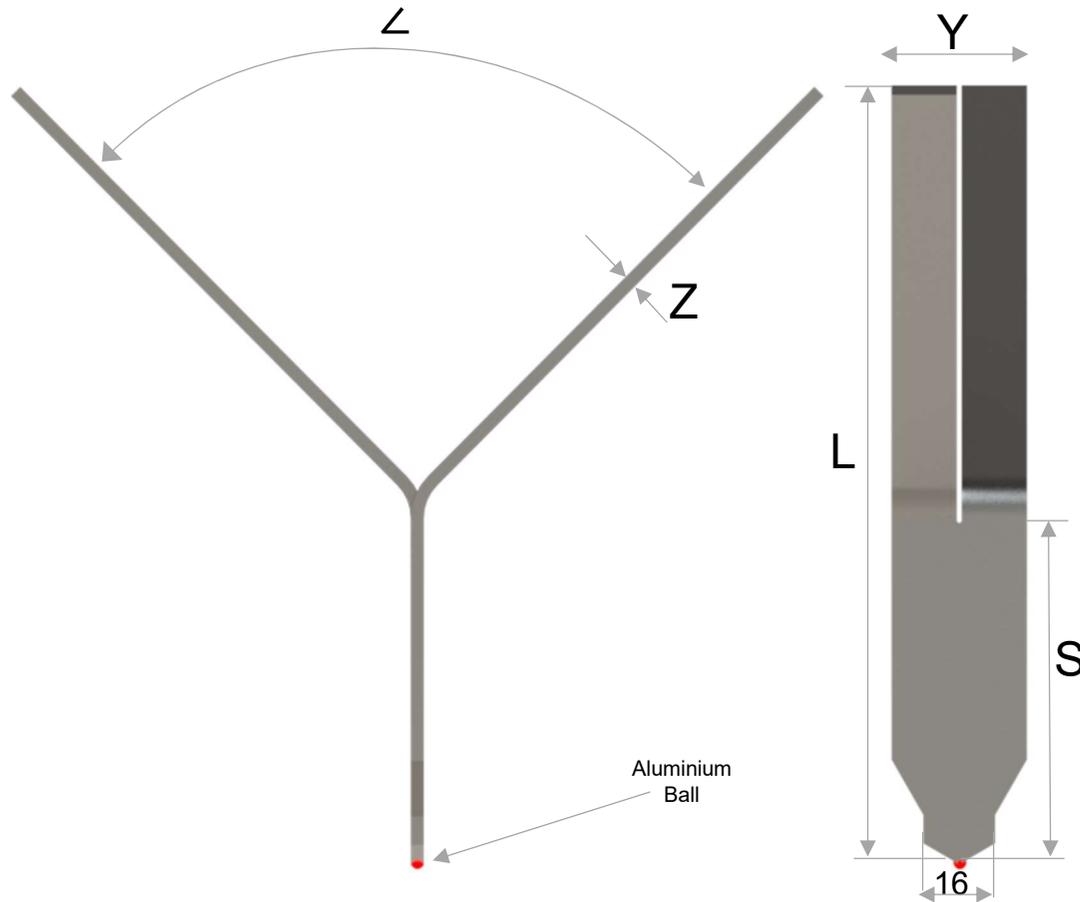
- Designed for gun welding
- This anchor will be open on site by the installer



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**YRA-AB.30/3(90°)-180(50) - 310**

TYPE	WITH SECTION	OPENING	LENGTH	LENGTH	ALLOY
Aluminium ball	YxZ	∠	L	S	

Our recommendations:

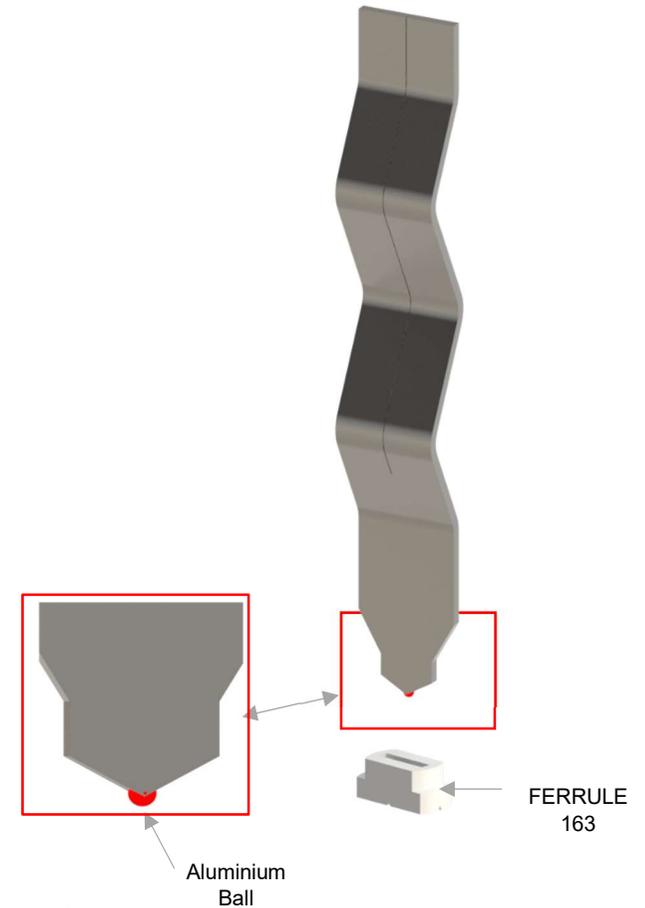
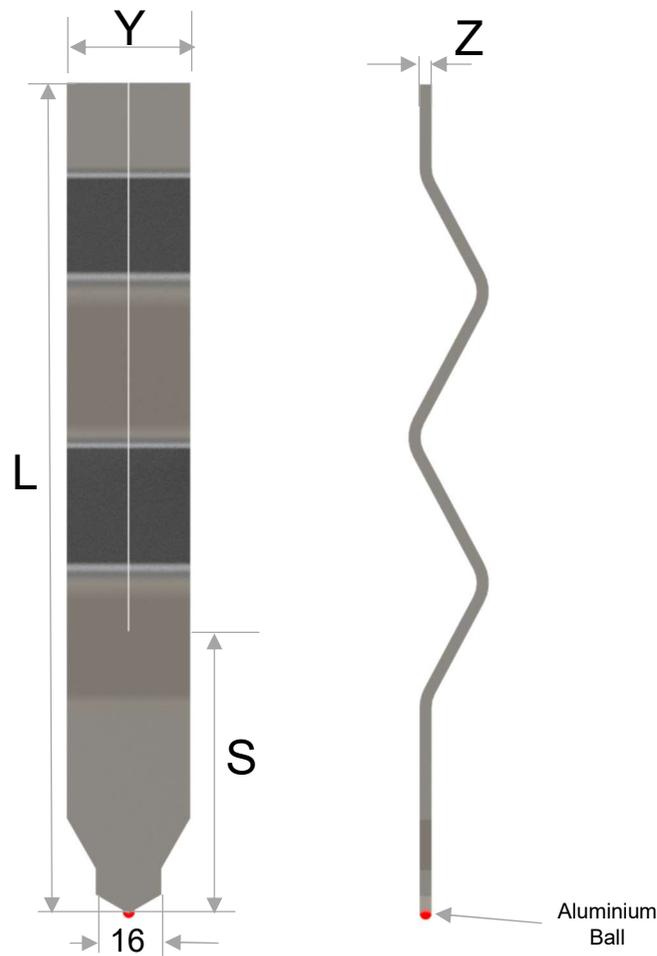
- Designed for gun welding



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**YRB-AB.30/3-180(50) - 310**

TYPE	WITH SECTION	LENGTH	LENGTH	ALLOY
	Aluminium ball YxZ	L	S	

Our recommendations:

- Designed for gun welding
- This anchor will be open on site by the installer

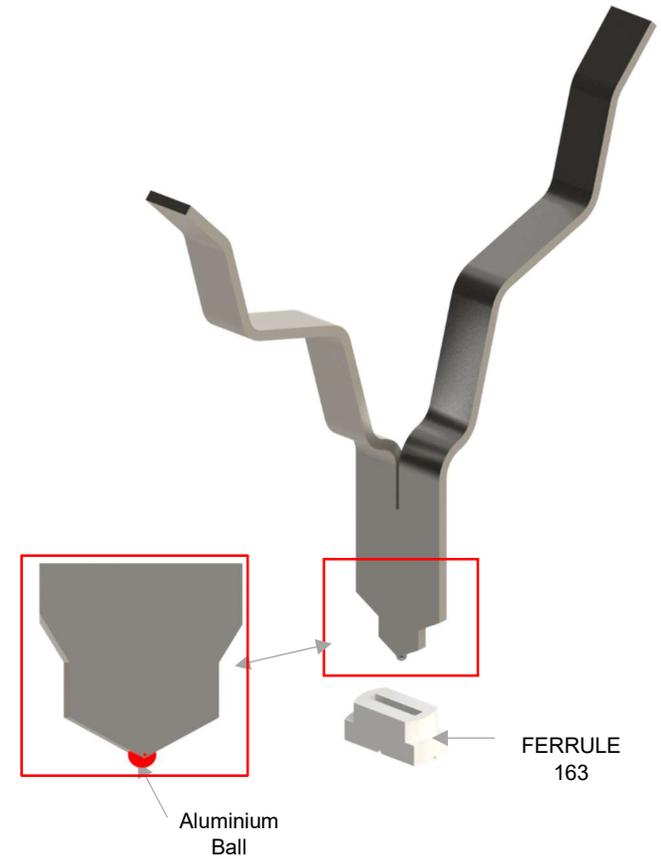
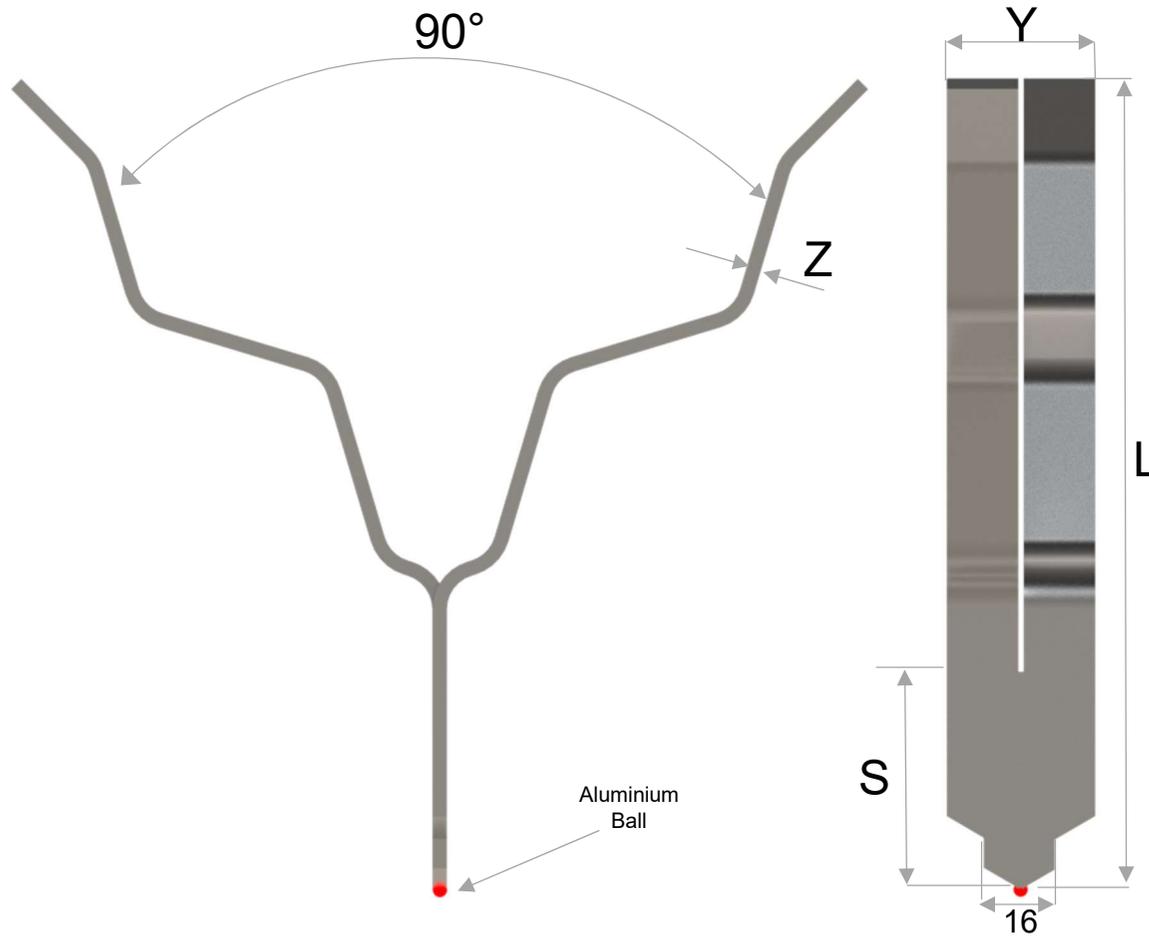


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<b>YRB-AB.30/3(90°)-180(120) - 310</b>						
TYPE	WITH	SECTION	OPENING	LENGTH	LENGTH	ALLOY
	Aluminium ball	YxZ	Ex :90°	L	S	

Our recommendations:

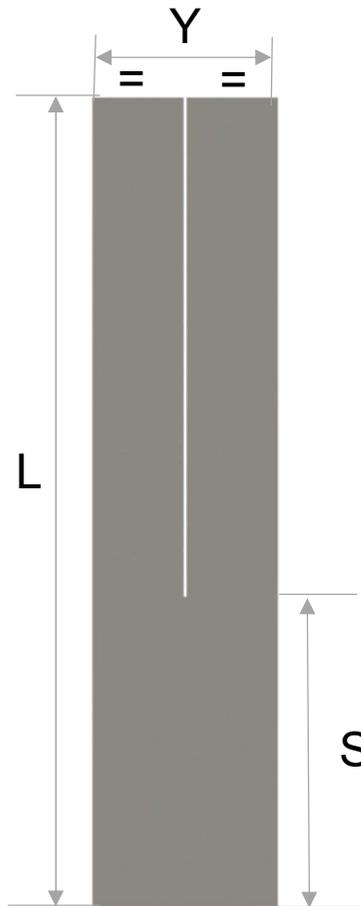
- Designed for gun welding



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**YHA- 30/3-130(050) - 310**

TYPE	SECTION	LENGTH	LENGTH	ALLOY
	YxZ	L	S	

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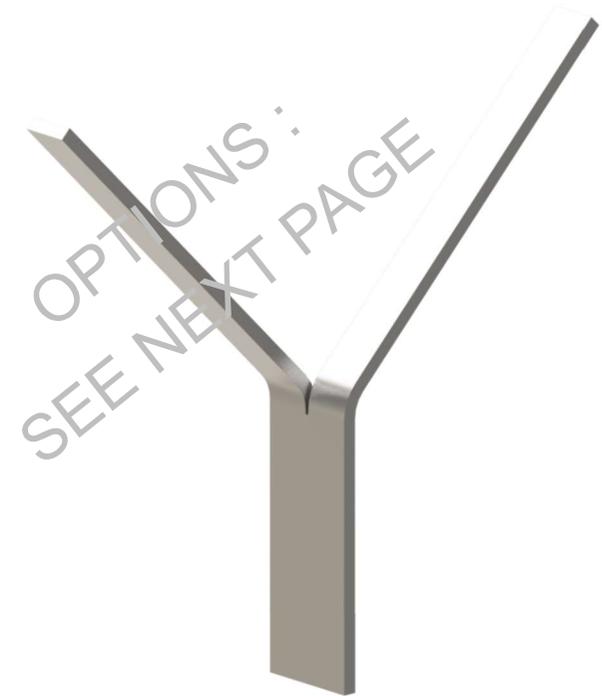
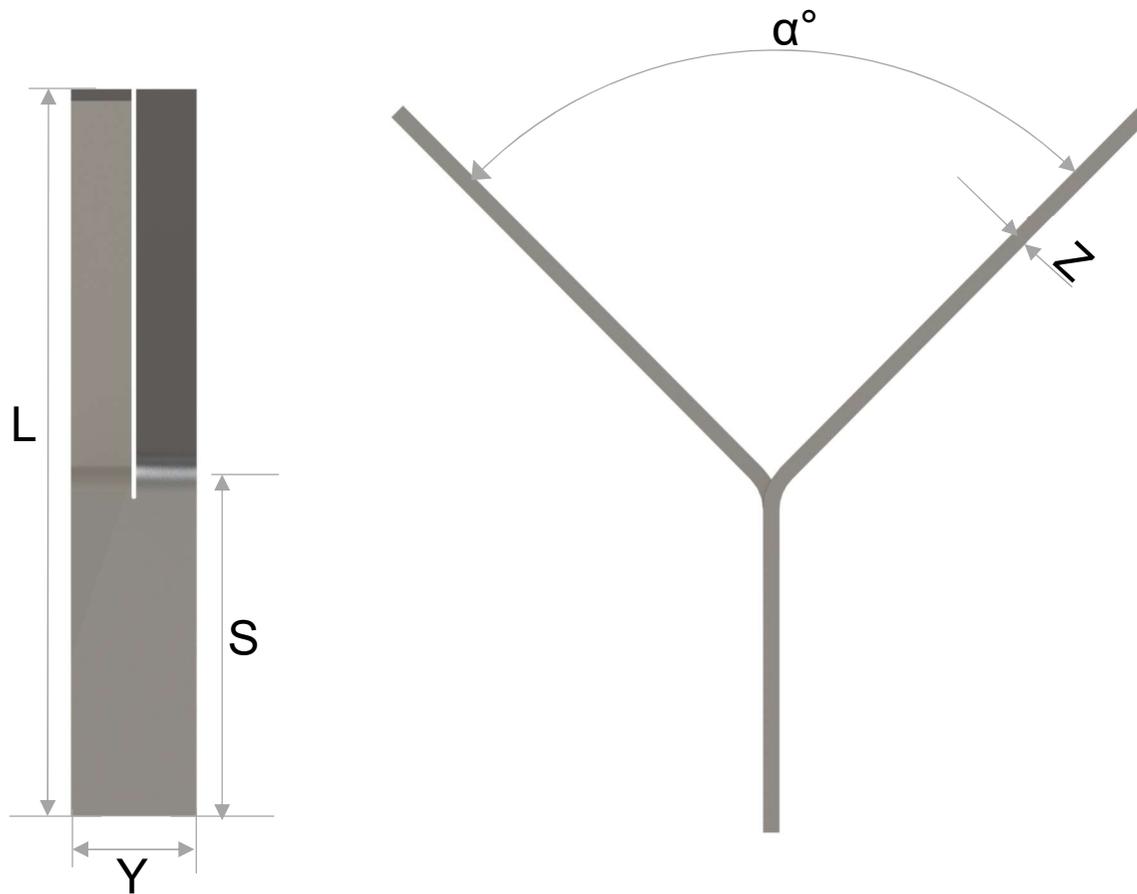
Our recommendations:

- This anchor is designed for electrode welding
- This anchor will be open on site by the installer

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<b>YHA .30/3(90°)-130(070) - 310</b>					
TYPE	SECTION	OPENING	LENGTH	LENGTH	ALLOY
	YxZ	$\alpha^\circ$	L	S	

Our recommendations:

- This anchor is designed for electrode welding



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YHA-30/4 (90°)-130(050)- 45°-310

TYPE	SECTION	OPENING	LENGTH	LENGTH	CUT	ALLOY
YxZ		$\alpha^\circ$	L	S	B°	



YHA-30/4 (90°)-130(050)- 25-310

TYPE	SECTION	OPENING	LENGTH	LENGTH	LENGTH	ALLOY
YxZ		$\alpha^\circ$	L	S	R	



YHA-30/4 (90°)-130(050)- 25(10) - 310

TYPE	SECTION	OPENING	LENGTH	LENGTH	LENGTH	HOLE	ALLOY
YxZ		$\alpha^\circ$	L	S	R	D	



Anchors designed for electrode welding

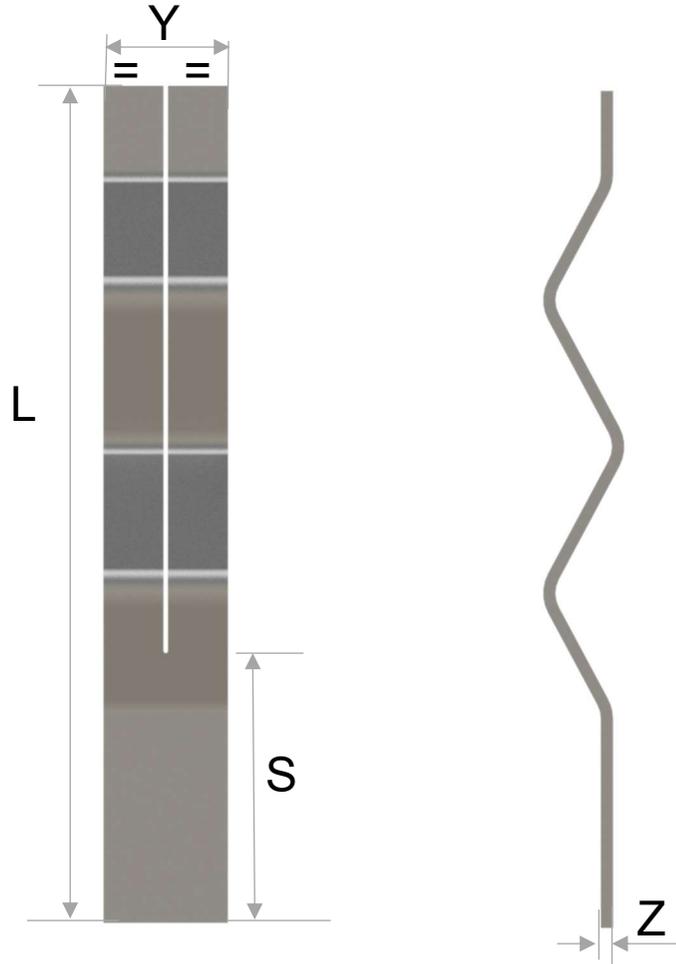
Anchors to be screwed

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[contact@anchorsforrefractory.com](mailto:contact@anchorsforrefractory.com)



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<b>YHB- 30/3-130(040) - 304</b>				
TYPE	SECTION	LENGTH	LENGTH	ALLOY
	YxZ	L	S	

Our recommendations:

- This anchor is designed for electrode welding
- This anchor will be open on site by the installer

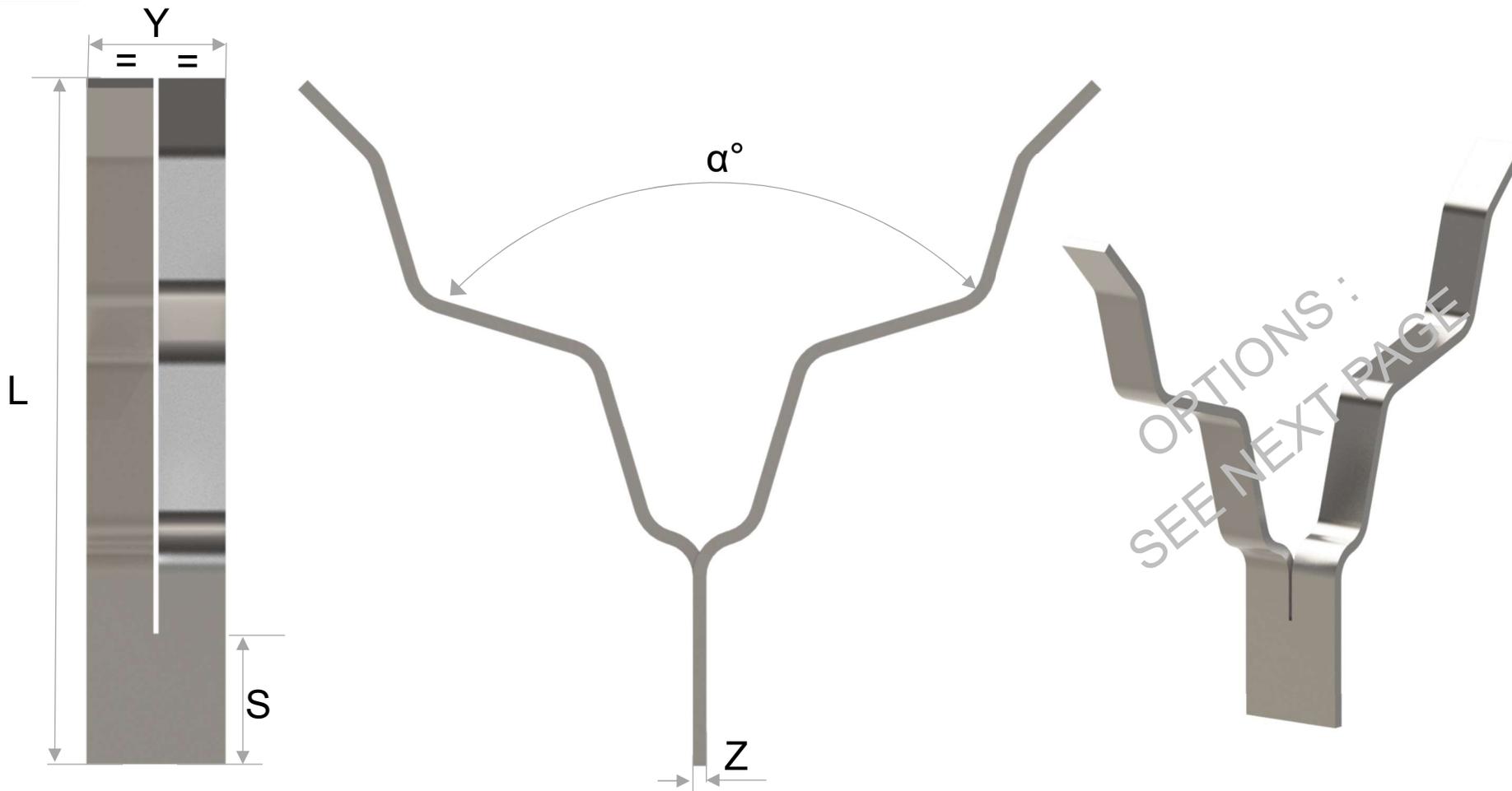


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<b>YHB- 30/3(90°)-130(040) - 310</b>					
TYPE	SECTION	OPENING	LENGTH	LENGTH	ALLOY
	YxZ	α°	L	S	

Our recommendations:

- This anchor is designed for electrode welding
- This anchor will be open on site by the installer



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YHB-30/4 (90°)-130(040)- 45°-310

TYPE	SECTION	OPENING	LENGTH	LENGTH	CUT	ALLOY
YxZ		$\alpha^\circ$	L	S	B°	



YHB-30/4 (90°)-130(080)- 25-310

TYPE	SECTION	OPENING	LENGTH	LENGTH	LENGTH	ALLOY
YxZ		$\alpha^\circ$	L	S	R	



YHB-30/4 (90°)-130(080)- 25(10) - 310

TYPE	SECTION	OPENING	LENGTH	LENGTH	LENGTH	HOLE	ALLOY
YxZ		$\alpha^\circ$	L	S	R	D	



Anchors designed for electrode welding

Anchors to be screwed

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[contact@anchorsforrefractory.com](mailto:contact@anchorsforrefractory.com)



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