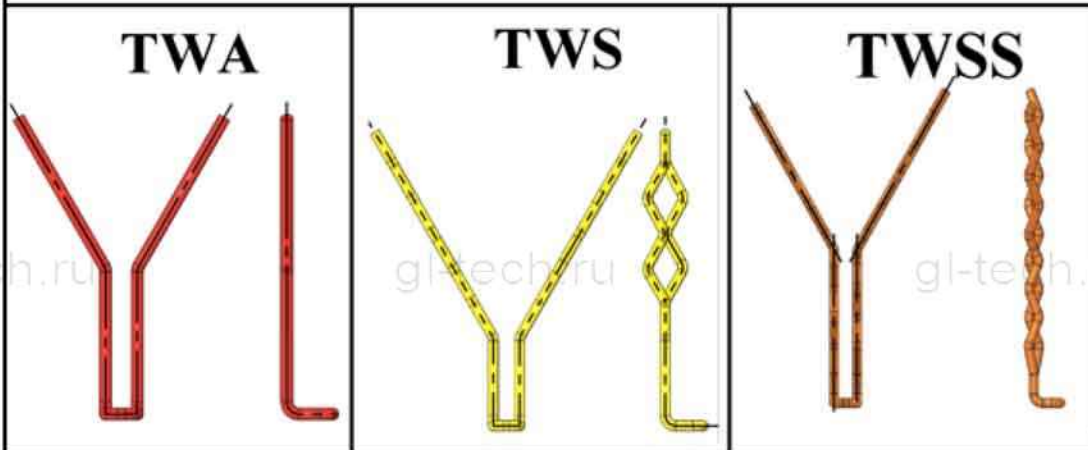
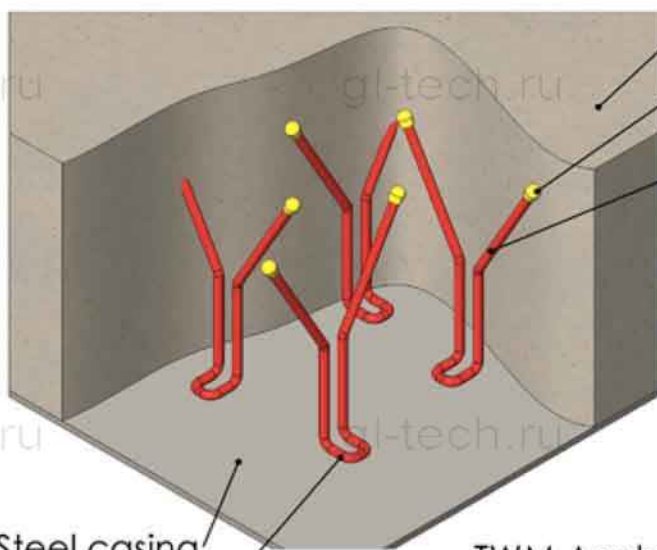


# ANCHOR TW



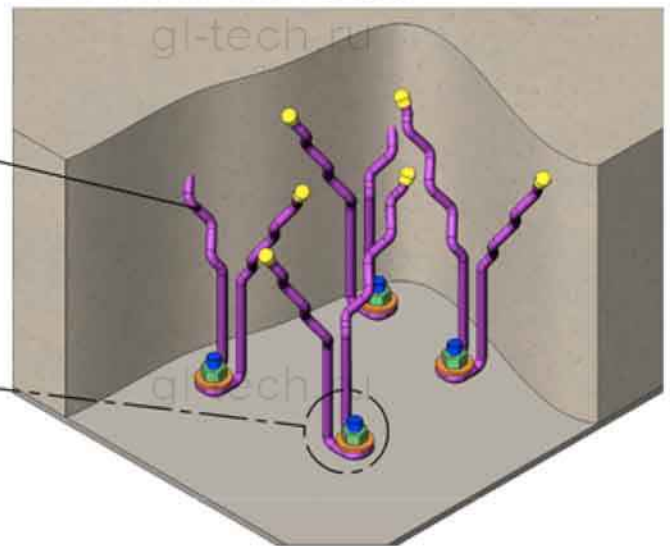
## Ex: TWA



Refractory castable  
Caps (option)  
TWA Anchor

The TW anchors can be either hand welded with electrode or bolted on to the steel casing (M10 recommended or M12)

## Ex: TWM with Stud



Threaded Stud  
welded on steel casing  
Nut  
Washer

IRIS manufactures anchors from cold drawn wires, with a specific tensile strength, using a "soft bending technique", utilizing robotic machines. This "in house" developed technology, reduces mechanical stress in the steel structure and avoids the formation of micro cracks, through which corrosion can accelerate and damage the anchors. Due to the advanced bending methods developed by IRIS, there are mostly no bending marks in our metal anchors



**IRIS - Industrial Refractories & Insulating Specialities**  
Parc d'Activités Aéroport Ouest - Rouvignies - F - 59328 VALENCIENNES Cedex (France)

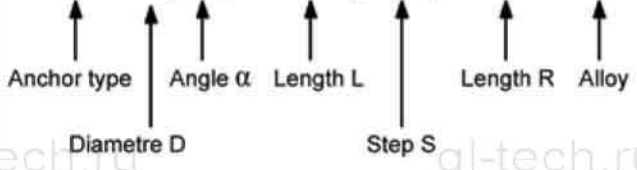
Tél : +33 (0)3.27.21.52.80  
E-mail: [contact@irisfrance.com](mailto:contact@irisfrance.com)

Fax : +33 (0)3.27.21.52.99  
Web: [www.irisfrance.com](http://www.irisfrance.com)

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# DESIGNATION EXAMPLE

**TWA.8(60) - 200(100) - 25 - 310**



# TWA

## OPTION CAPS:

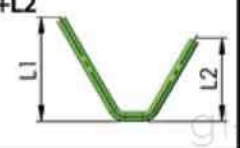
UV.6(80/90)-050/040 - 309 -C

Polyethylene caps on top of anchors allow to avoid stress and possible cracks, spalling due to the thermal expansion of steel higher than castable expansion

N.B: basic plastic is mainly PVC.  
C is chlorine which is not good for the CaO of the castable

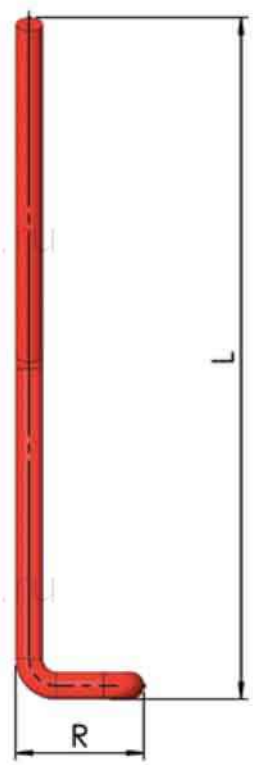
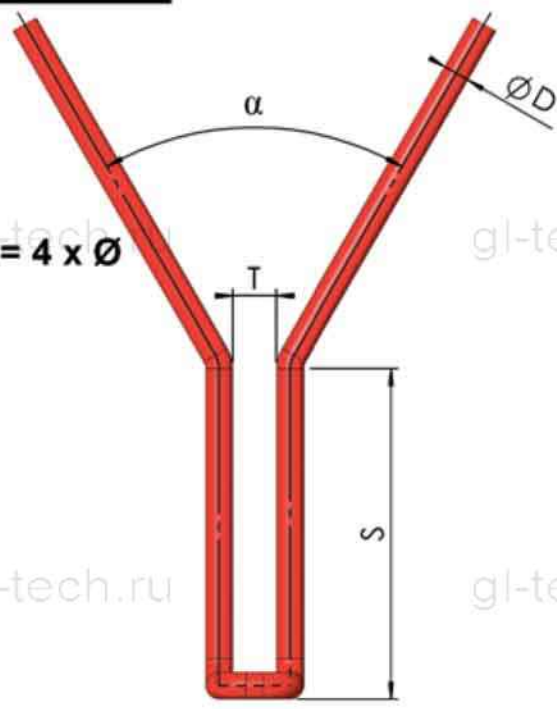
## OPTION LENGHT L1+L2

For unequal legs



- Ø6 T= 13
- Ø8 T= 13
- Ø10 T= 15

**R recommended = 4 x Ø**

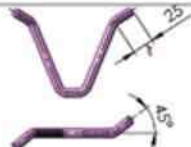


*\*Sketch not contractual*

IRIS manufactures anchors from cold drawn wires, with a specific tensile strength, using a "soft bending technique", utilizing robotic machines. This "in house" developed technology, reduces mechanical stress in the steel structure and avoids the formation of micro cracks, through which corrosion can accelerate and damage the anchors. Due to the advanced bending methods developed by IRIS, there are mostly no bending marks in our metal anchors

# OPTIONS

## CH .BL (bent legs)



With top of legs bent

DESIGNATION: CH1.BL.8(60)-085-310-BL=25

## CH .ON (On standard Nut)

Welded on Nut

DESIGNATION: CH1.6(60)-100-310-ON-M8-310

	Height standard Nut (mm)	Height high Nut (mm)
M6	5	6
M8	6,5	8
M10	8	10
M12	10	12

## CH .OB (On Boss)

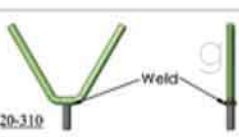
Welded on boss

DESIGNATION: CH1.6(60)-100-310-OB-M8-310

dimension Boss:  
M6 : Ø10 ext.  
M8 : Ø12 ext.  
M10 : Ø14 ext.  
M12 : Ø16 ext.



## CH .OS (On Stud)



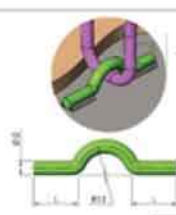
Welded on threaded stud

DESIGNATION: CH1.6(60)-100-310-OS-M6-20-310

## WB .8 , R12 / 25 - 310

Anchor type    Ø D    Radius R    Length L    Alloy

Alloy and length to detail.

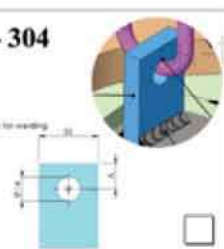


## IN.BSP.040.040.8(10) - 304

Alloy and length to detail.

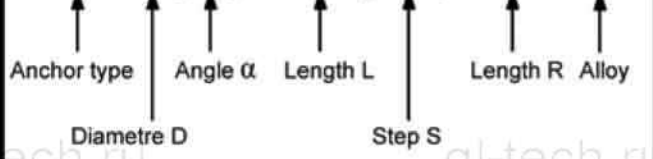
OPTION: BSP. 50.30.2011-C100-310(304)

NOTE: STANDARD POSITION & CENTER  
to be in the center of the hole



## DESIGNATION EXAMPLE

**TWS.10(60) - 200(100) - 25 - 330**



# TWS

### OPTION CAPS:

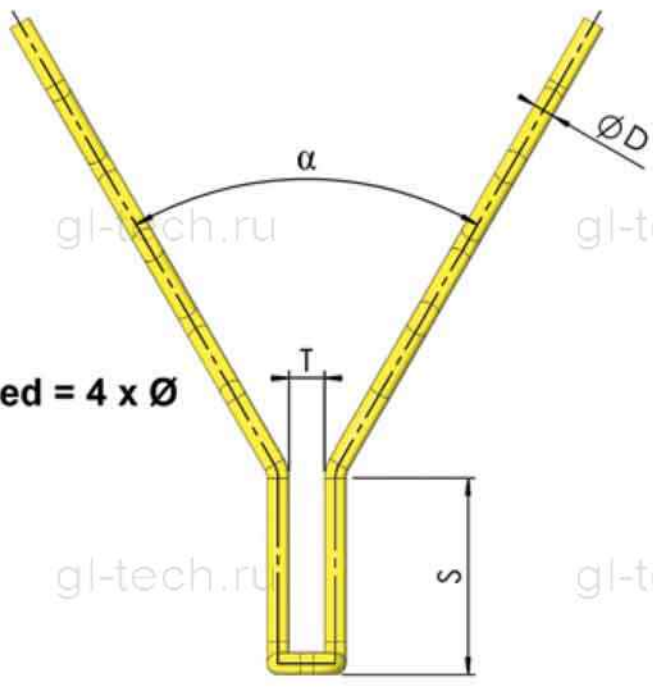
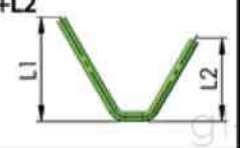
UV.6(80/90)-050/040 - 309 -C

Polyethylene caps on top of anchors allow to avoid stress and possible cracks, spalling due to the thermal expansion of steel higher than castable expansion

N.B: basic plastic is mainly PVC.  
C is chlorine which is not good for the CaO of the castable

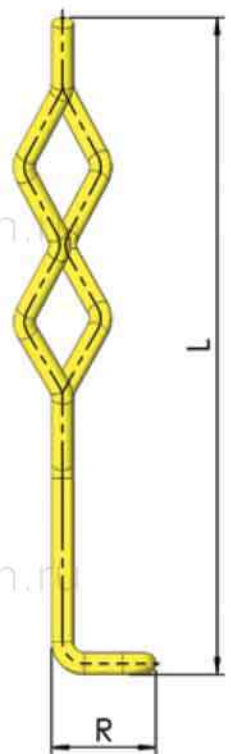
### OPTION LENGHT L1+L2

For unequal legs



- Ø6 T= 13
- Ø8 T= 13
- Ø10 T= 15

R recommended = 4 x Ø

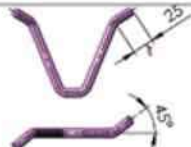


\*Sketch not contractual

IRIS manufactures anchors from cold drawn wires, with a specific tensile strength, using a "soft bending technique", utilizing robotic machines. This "in house" developed technology, reduces mechanical stress in the steel structure and avoids the formation of micro cracks, through which corrosion can accelerate and damage the anchors. Due to the advanced bending methods developed by IRIS, there are mostly no bending marks in our metal anchors

## OPTIONS

### CH .BL (bent legs)



With top of legs bent

DESIGNATION: CH1.BL.8(60)-085-310-BL=25

### CH .ON (On standard Nut)

Welded on Nut

DESIGNATION: CH1.6(60)-100-310-ON-M8-310

	Height standard Nut (mm)	Height high Nut (mm)
M6	5	6
M8	6,5	8
M10	8	10
M12	10	12

### CH .OB (On Boss)

Welded on boss

DESIGNATION: CH1.6(60)-100-310-OB-M8-310

dimension Boss:  
M6 : Ø10 ext.  
M8 : Ø12 ext.  
M10 : Ø14 ext.  
M12 : Ø16 ext.



### CH .OS (On Stud)



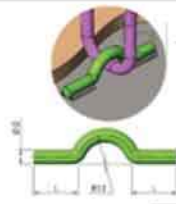
Welded on threaded stud

DESIGNATION: CH1.6(60)-100-310-OS-M6-20-310

### WB .8 , R12 / 25 - 310

Anchor type    Ø D    Radius R    Length L    Alloy

Alloy and length to detail.

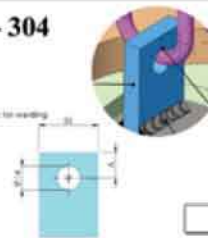


### IN.BSP.040.040.8(10) - 304

Alloy and length to detail.

OPTION: BSP. 50. 30. 2011-C100-310-304

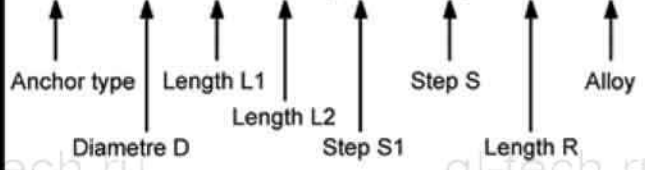
NOTE: STANDARD POSITION & CENTER





# DESIGNATION EXAMPLE

**TWSS.8 - 275/265 (125 - 50) - 25 - 253**



# TWSS

## OPTION CAPS:

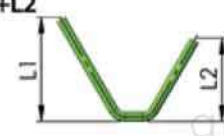
UV.6(80/90)-050/040 - 309 -C

Polyethylene caps on top of anchors allow to avoid stress and possible cracks, spalling due to the thermal expansion of steel higher than castable expansion

N.B: basic plastic is mainly PVC.  
C is chlorine which is not good for the CaO of the castable

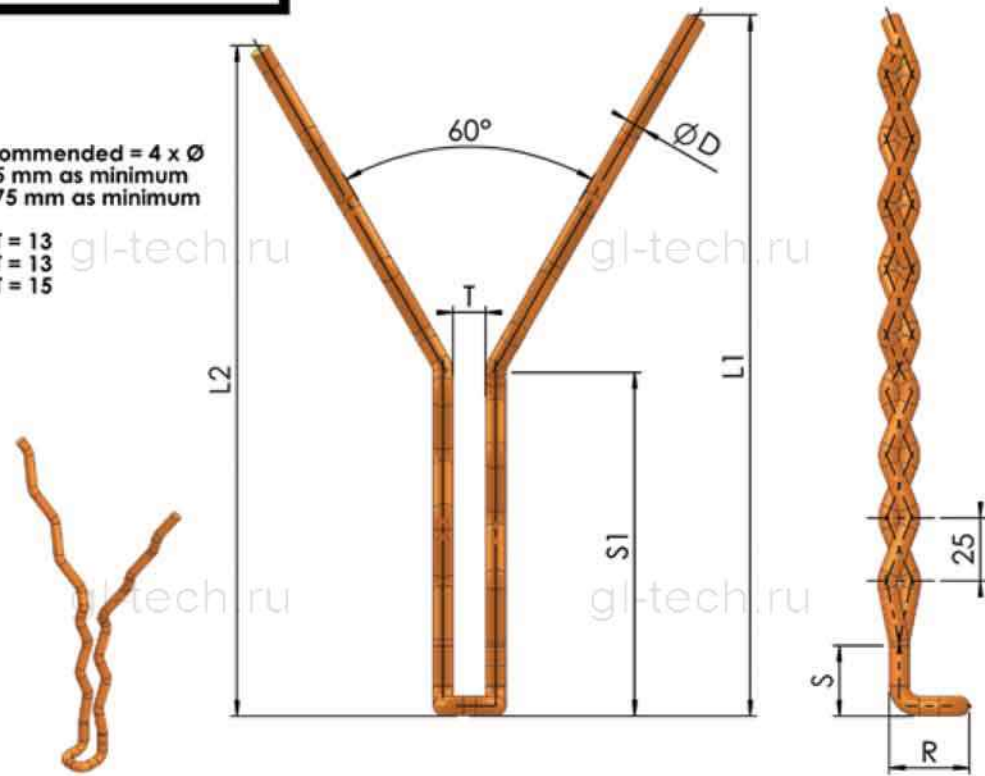
## OPTION LENGHT L1+L2

For unequal legs



R recommended = 4 x Ø  
S = 25 mm as minimum  
S1 = 75 mm as minimum

Ø6 T = 13  
Ø8 T = 13  
Ø10 T = 15

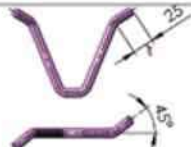


\*Sketch not contractual

IRIS manufactures anchors from cold drawn wires, with a specific tensile strength, using a "soft bending technique", utilizing robotic machines. This "in house" developed technology, reduces mechanical stress in the steel structure and avoids the formation of micro cracks, through which corrosion can accelerate and damage the anchors. Due to the advanced bending methods developed by IRIS, there are mostly no bending marks in our metal anchors

# OPTIONS

## CH .BL (bent legs)



With top of legs bent

DESIGNATION: CH1.BL.8(60)-085-310-BL=25

## CH .ON (On standard Nut)

Welded on Nut

DESIGNATION: CH1.6(60)-100-310-ON-M8-310

	Height standard Nut (mm)	Height high Nut (mm)
M6	5	6
M8	6,5	8
M10	8	10
M12	10	12

## CH .OB (On Boss)

Welded on boss

DESIGNATION: CH1.6(60)-100-310-OB-M8-310

dimension Boss:  
M6 : Ø10 ext.  
M8 : Ø12 ext.  
M10 : Ø14 ext.  
M12 : Ø16 ext.



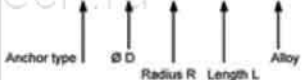
## CH .OS (On Stud)



Welded on threaded stud

DESIGNATION: CH1.6(60)-100-310-OS-M6-20-310

## WB .8 , R12 / 25 - 310



Alloy and length to detail.

## IN.BSP.040.040.8(10) - 304

Alloy and length to detail.

OPTION: BSP. 50.30.2011-C(10)-310(10)

