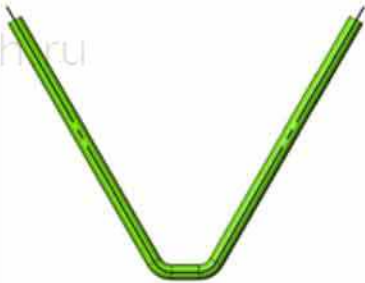


# ANCHOR CH.

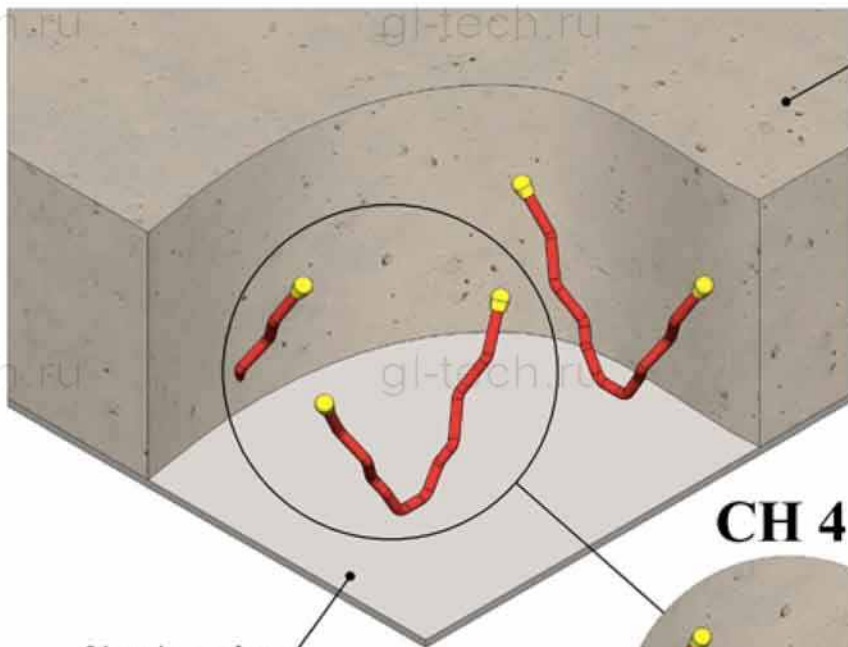
**CH 1**



**CH 2**



**CH 4**



**CH 1**

Refractory castable

Caps

Weld

**CH 4**

**CH 2**

Steel casing

Weld

Weld

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



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# DESIGNATION EXAMPLE

**CH1.RL.4(60) - 025 -050 - 020 - 304**

Anchor type    Diameter D    Angle    Length L    Length A    Length B    Alloy

# CH1 . RL

**OPTION CAPS:**



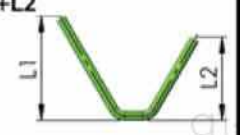
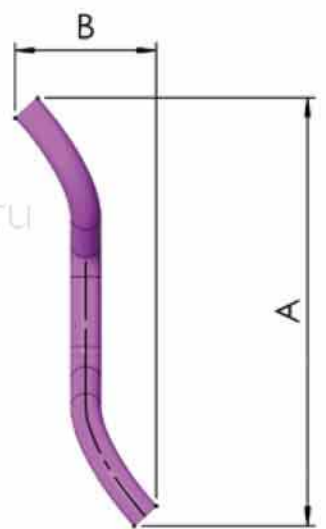
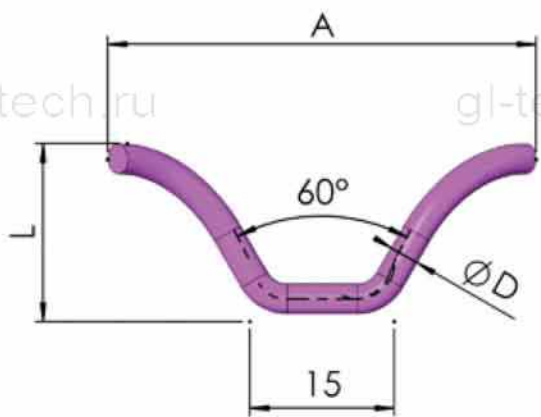
UV.6(80/90)- 050/040 - 309 -C

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





*\*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

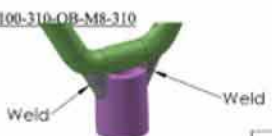
	Height standard Nut (mm)	Height high Nut (mm)
M6	5	6
M8	6,5	8
M10	8	10
M12	10	12

**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)**

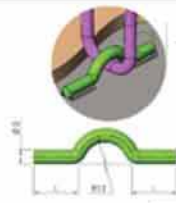


Welded on threaded stud

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

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

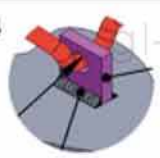
Anchor type    Ø D    Radius R    Length L    Alloy



Alloy and length to detail.

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

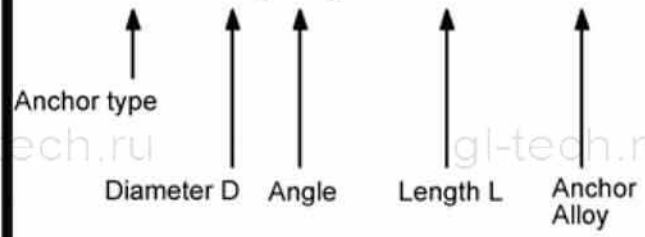
Alloy and length to detail.



# CH1

## DESIGNATION EXAMPLE

### CH1.6(60) - 035 - 304



### OPTION CAPS:

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

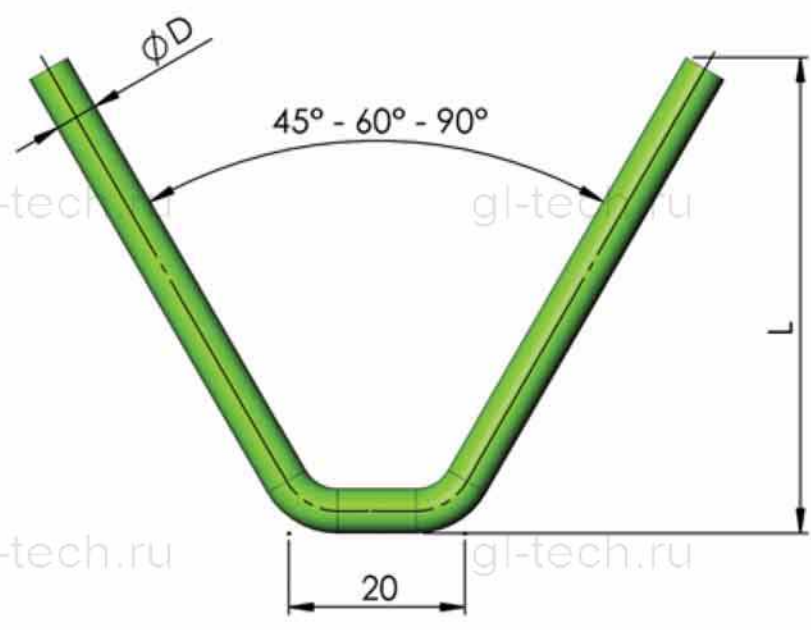
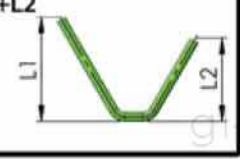
Polyethylene caps on top of anchors allow to avoid stress and possible cracks, spalling due to the thermal expansion of steel higher than castable expansion

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



*\*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

### CH1.BL (bent legs)

With top of legs bent

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

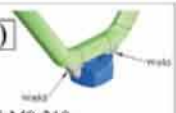


### CH1.ON (On standard Nut)

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

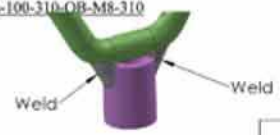


### CH1.OB (On Boss)

Welded on boss

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

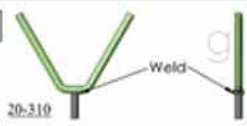
dimension Boss:  
M6 :  $\phi 10$  ext.  
M8 :  $\phi 12$  ext.  
M10 :  $\phi 14$  ext.  
M12 :  $\phi 16$  ext.



### CH1.OS (On Stud)

Welded on threaded stud

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



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

Anchor type

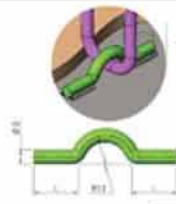
$\phi D$

Radius R

Length L

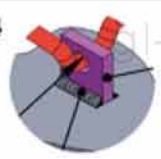
Alloy

Alloy and length to detail.



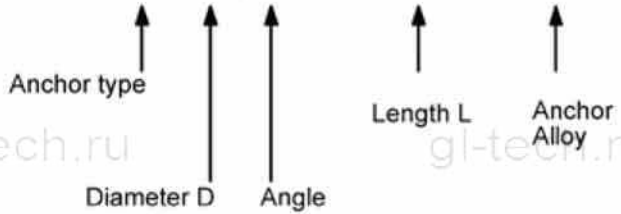
### IN.BSP.040.040.8(10) - 304

Alloy and length to detail.



## DESIGNATION EXAMPLE

### CH2.8(60) - 130 - 304



### OPTION CAPS:

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

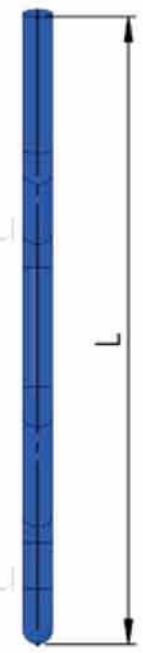
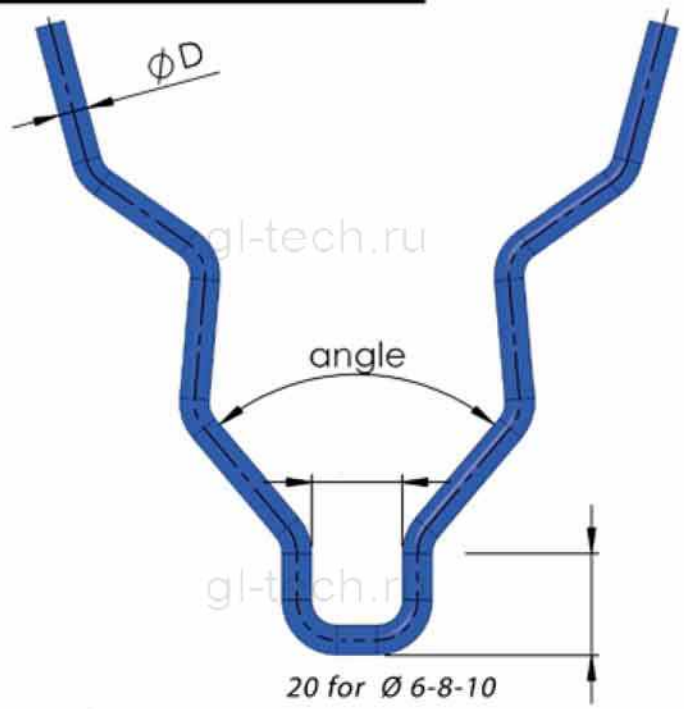
Polyethylene caps on top of anchors allow to avoid stress and possible cracks, spalling due to the thermal expansion of steel higher than castable expansion

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



\*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.

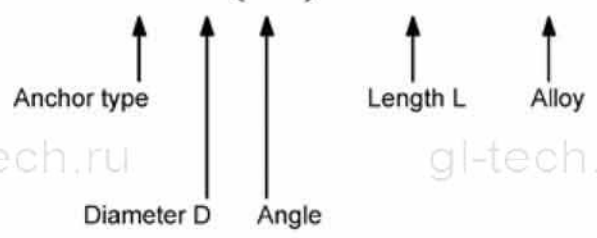
**IN.BSP.040.040.8(10) - 304**

Alloy and length to detail.

# CH4

## DESIGNATION EXAMPLE

### CH4.6(60) - 150 - 253



### OPTION CAPS:

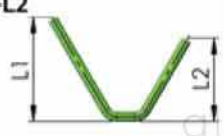
UV.6(80/90)-050/040 - 309 -C

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

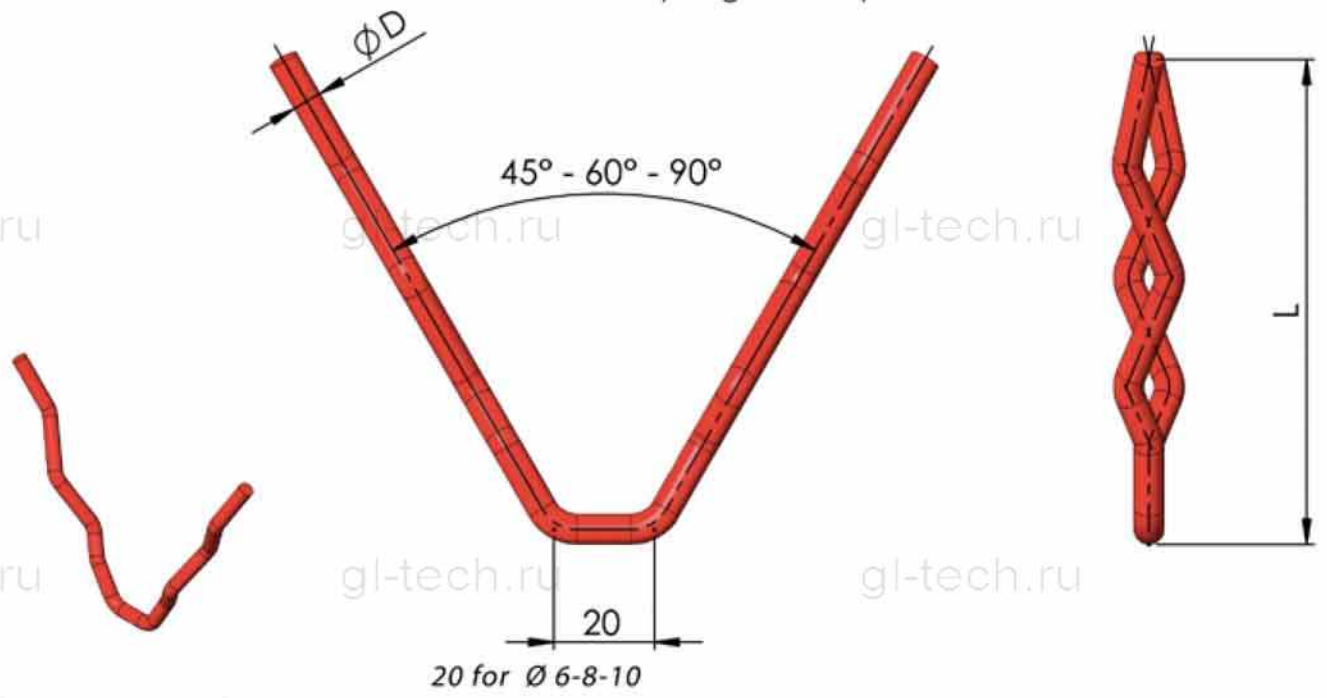
### OPTION LENGHT L1+L2

For unequal legs



### Notes:

Most frequent angles : 45°-60°-90°  
any angle on request.




\*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

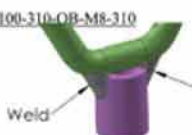
	Height standard Nut (mm)	Height high Nut (mm)
M6	5	6
M8	6,5	8
M10	8	10
M12	10	12

**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.



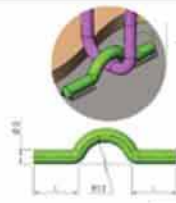
**CH .OS (On Stud)**



Welded on threaded stud

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

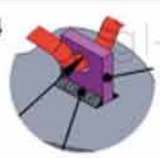
**WB .8 , R12 / 25 - 310**



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.