

## The TWIN-PIN Type P anchor system for dual linings

With the Twin-Pin Series, Tvikon provides an anchoring system that only spreads once the insulation has been installed. As a result the adjustment work on the block insulation is minimised. Once the insulation has been put into position, the supplied disc is pushed over the anchor arms and the ends of the anchor are bent apart using two pipes. To make work easier, the two ends of the anchor are of different length. The disc is the abutment for this operation and also presses the block insulation against the substructure.

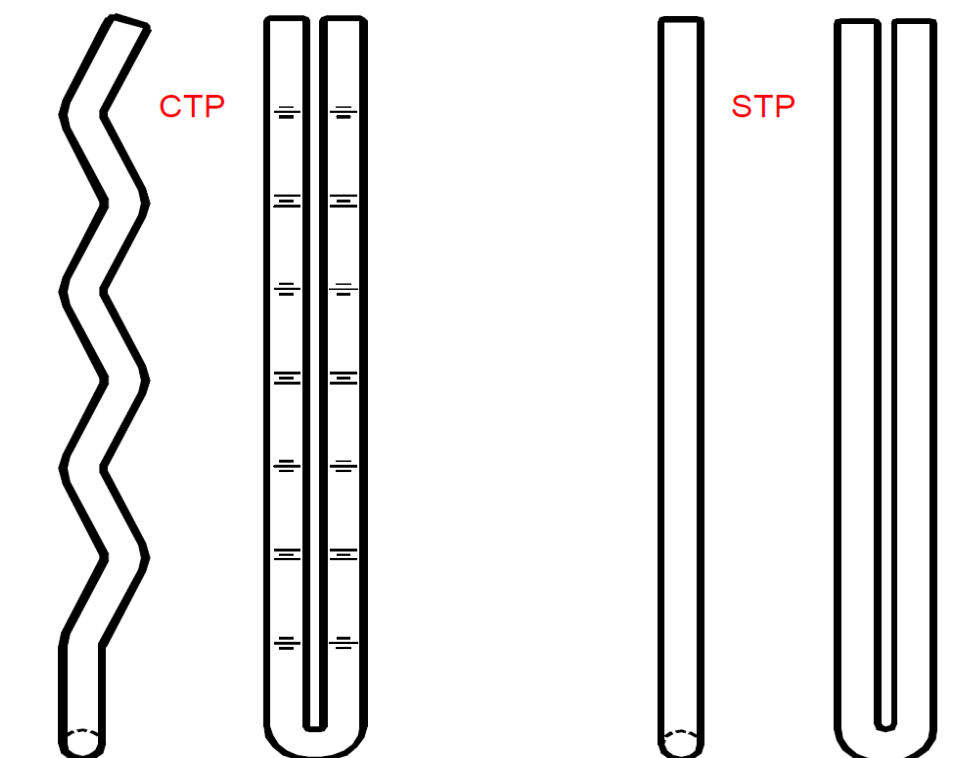
Type P of the Twin-Pin Series is designed for mounting using the stud welding process. It is therefore aluminised on the welding tip and is supplied with a ceramic ferrule as standard.

Tvikon supplies the Twin-Pin P Series in three versions:

STP - Anchor without corrugation that can be used for simple anchoring tasks, such as for low wall thicknesses or in tub positions.

CTP - Corrugated anchor for average to difficult applications; the depth of the corrugation basically corresponds to the single diameter of the wire so that there is good transmission of the retention forces to the refractory concrete.

HTP - This type of anchor has a more pronounced corrugation. This produces yet better transmission of the retention forces to the refractory concrete.



Commenced On: 17.1.2014

Drawn by: Tvikon s.r.o.

Product description:

Twin Pin Anchor

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Twin Pin System

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Dwg nr. T-14/46

## The TWIN-PIN Type H anchor system for dual linings

With the Twin-Pin Series, Tvikon provides an anchoring system that only spreads once the insulation has been installed. As a result the adjustment work on the block insulation is minimised. Once the insulation has been put into position, the supplied disc is pushed over the anchor arms and the ends of the anchor are bent apart using two pipes. To make work easier, the two ends of the anchor are of different length. The disc is the abutment for this operation and also presses the block insulation against the substructure.

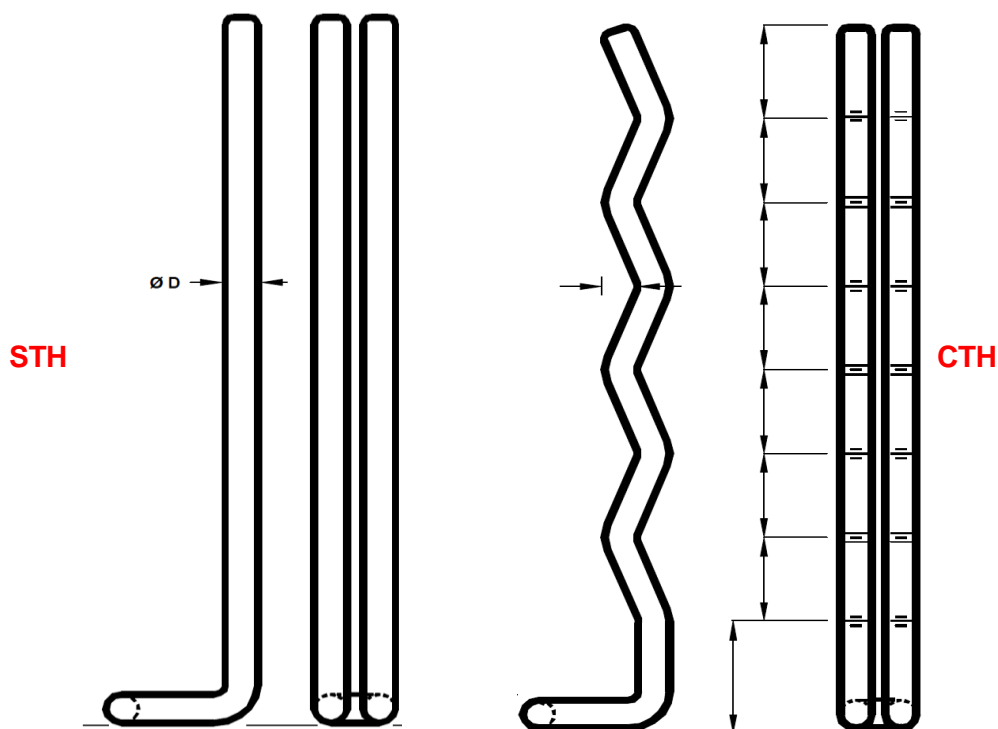
Type H of the Twin-Pin Series is designed for mounting using manual welding and therefore has a base which is at an angle of 90°.

Tvikon supplies the Twin-Pin H Series in three versions:

STH - Anchor without corrugation that can be used for simple anchoring tasks, such as for low wall thicknesses or in tub positions

CTH - Corrugated anchor for average to difficult applications; the depth of the corrugation basically corresponds to the single diameter of the wire so that there is good transmission of the retention forces to the refractory concrete.

HTH - This type of anchor has a more pronounced corrugation. This produces yet better transmission of the retention forces to the refractory concrete.



Commenced On: 17.1.2014

Drawn by: Tvikon s.r.o.

Product description: Twin Pin Anchor

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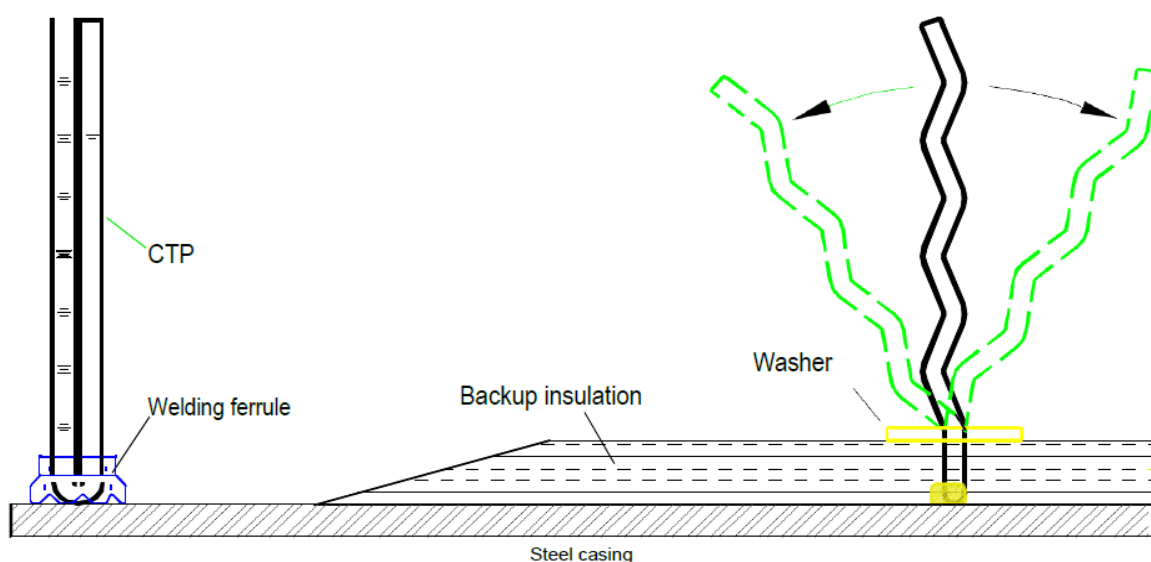
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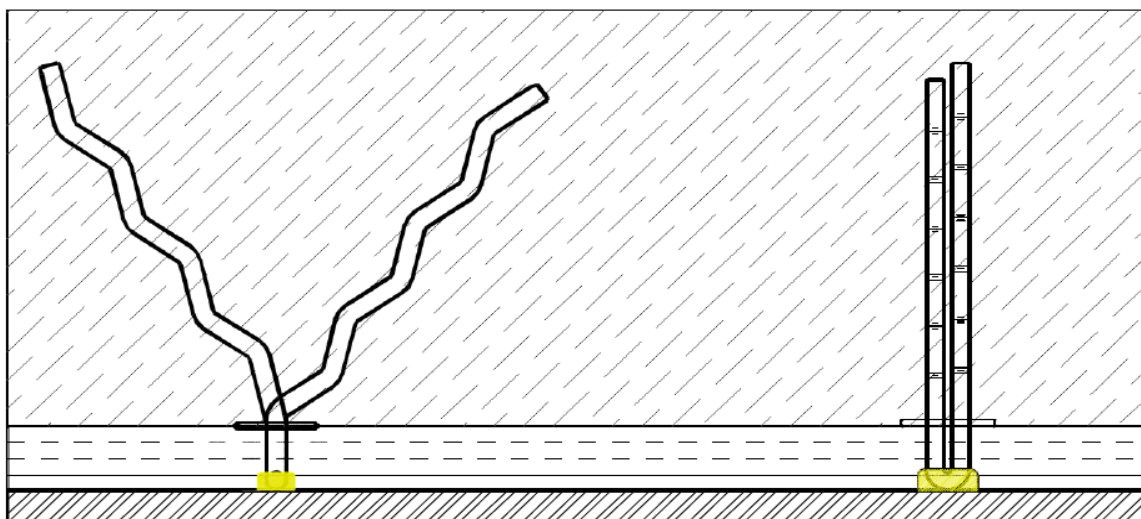
Dwg nr. T-14/47

## The TWIN-PIN anchor system for dual linings

- Stage 1. After welding, backup insulation is placed over the anchors.
- Stage 2. A washer is then placed over the backup so that the tines can be opened at the backup layer
- Stage 3. The tines are then opened at the desired angle (60° - 80° is recommended)



This system is suggested for light and medium density refractory concretes.



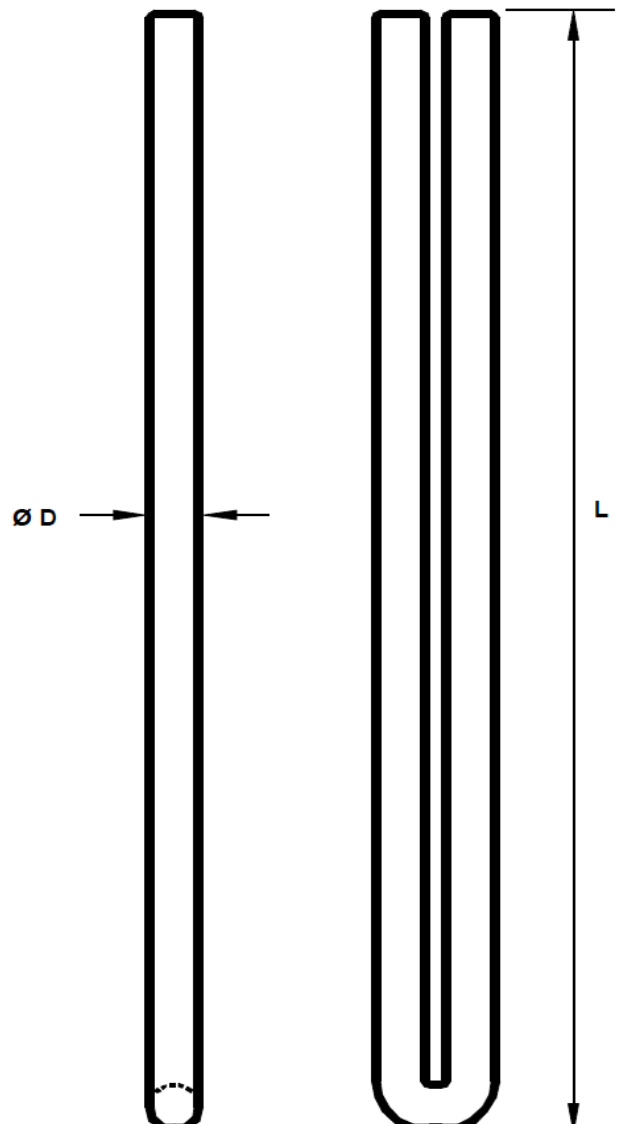

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Twin Pin System

Dwg nr. T-14/48

<p>Ordering examples and standard alloys available</p>		<h1 style="text-align: center;">STP</h1> <p style="text-align: center;"> <math>D_{max} = 12 \text{ mm}</math>  <math>D_{min} = 6 \text{ mm}</math>   <math>L_{max} = 750 \text{ mm}</math>  <math>L_{min} = 50 \text{ mm}</math> </p>	
<p style="text-align: center;">Example</p> <p style="text-align: center; font-size: 24pt;"><b>STP. 8 - 250 - 310</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> </div> <div style="display: flex; justify-content: space-around; font-size: 10pt;"> <span>Anchor type</span> <span>Diameter</span> <span>Length L</span> <span>Alloy type</span> </div>			
<div style="display: flex; justify-content: space-around; align-items: center;">   </div>			
<h2 style="color: red;">Tvikon</h2> <p style="font-size: 8pt;">Tvikon s.r.o., U Landronky 1145/42, 169 00 Praha 6, Břevnov, tvikon@tvikon.cz, Phone: +420775908330</p>		<p style="font-size: 8pt;">This drawing is the property of Tvikon s.r.o. Unauthorized use of patented features and / or and reproduction of this drawing is strictly prohibited.</p> <p style="text-align: center; font-weight: bold;">Twin Pin System</p> <p style="text-align: center; font-weight: bold;">Dwg nr. T-14/49</p>	

<p>Ordering examples and standard alloys available</p>		<h1 style="text-align: center;">STH</h1> <p style="text-align: center;">D<sub>max</sub> = 12 mm D<sub>min</sub> = 6 mm</p> <p style="text-align: center;">L<sub>max</sub> = 750 mm L<sub>min</sub> = 50 mm</p>	
<p style="text-align: center;">Example</p> <p style="text-align: center; font-size: 24pt;"><b>STH. 8 - 175/35 - 310</b></p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>Anchor type</span> <span>Diameter</span> <span>Length L/B</span> <span>Alloy type</span> </div>			
<h2 style="color: red; margin: 0;">Tvikon</h2> <p style="font-size: 8pt; margin: 0;">Tvikon s.r.o., U Landronky 1145/42, 169 00 Praha 6, Břevnov, tvikon@tvikon.cz, Phone: +420775908330</p>		<p style="font-size: 8pt; margin: 0;">This drawing is the property of Tvikon s.r.o. Unauthorized use of patented features and / or and reproduction of this drawing is strictly prohibited.</p> <p style="text-align: center; font-weight: bold; margin: 0;">Twin Pin System</p> <p style="text-align: center; font-weight: bold; margin: 0;">Dwg nr. T-14/50</p>	

Ordering examples and standard alloys available			
Example			
<b>STB. 6 - 250/40 - 330</b>			
↑	↑	↑	↑
Anchor type	Diameter	Length L/B	Alloy type

# STB

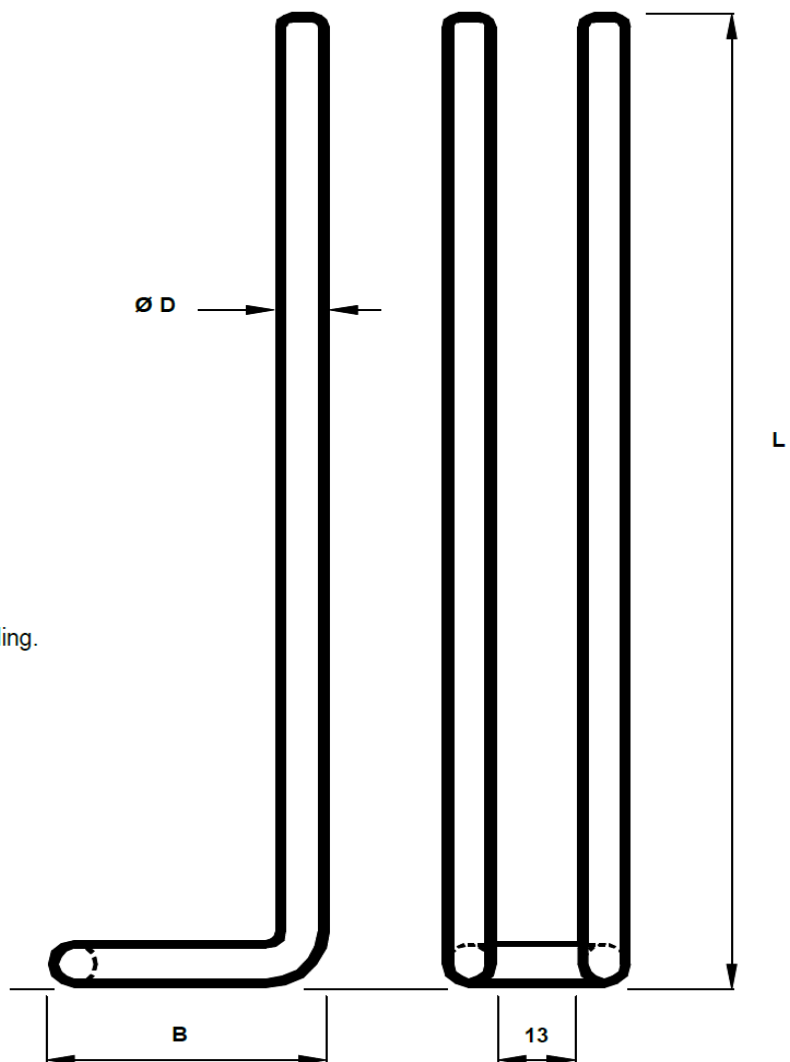
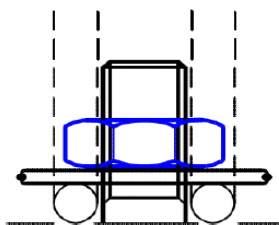
D<sub>max</sub> = 12 mm

D<sub>min</sub> = 6 mm

L<sub>max</sub> = 750 mm

L<sub>min</sub> = 50 mm

Use the respective studs  
either for hand welding or stud welding.



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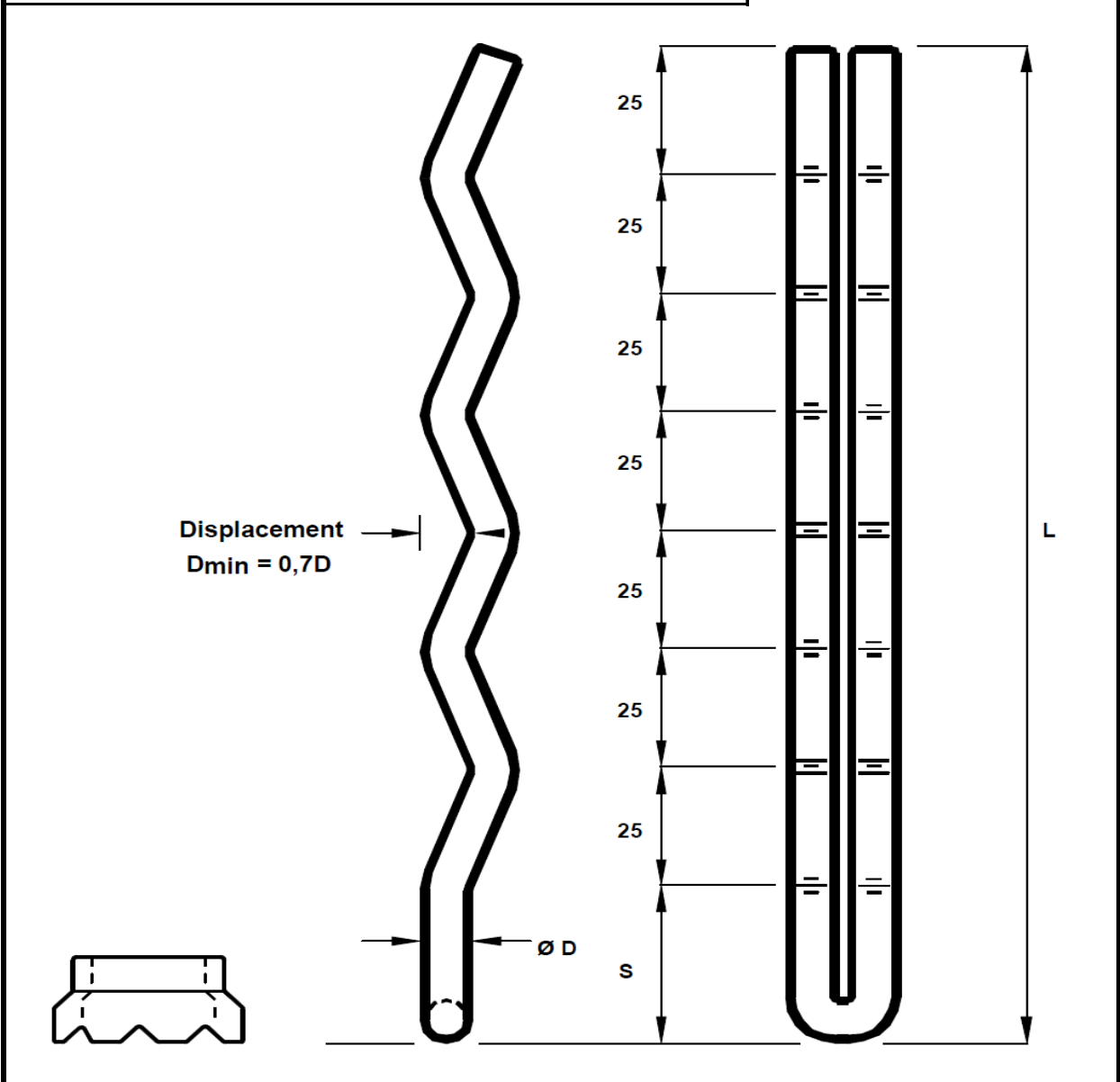
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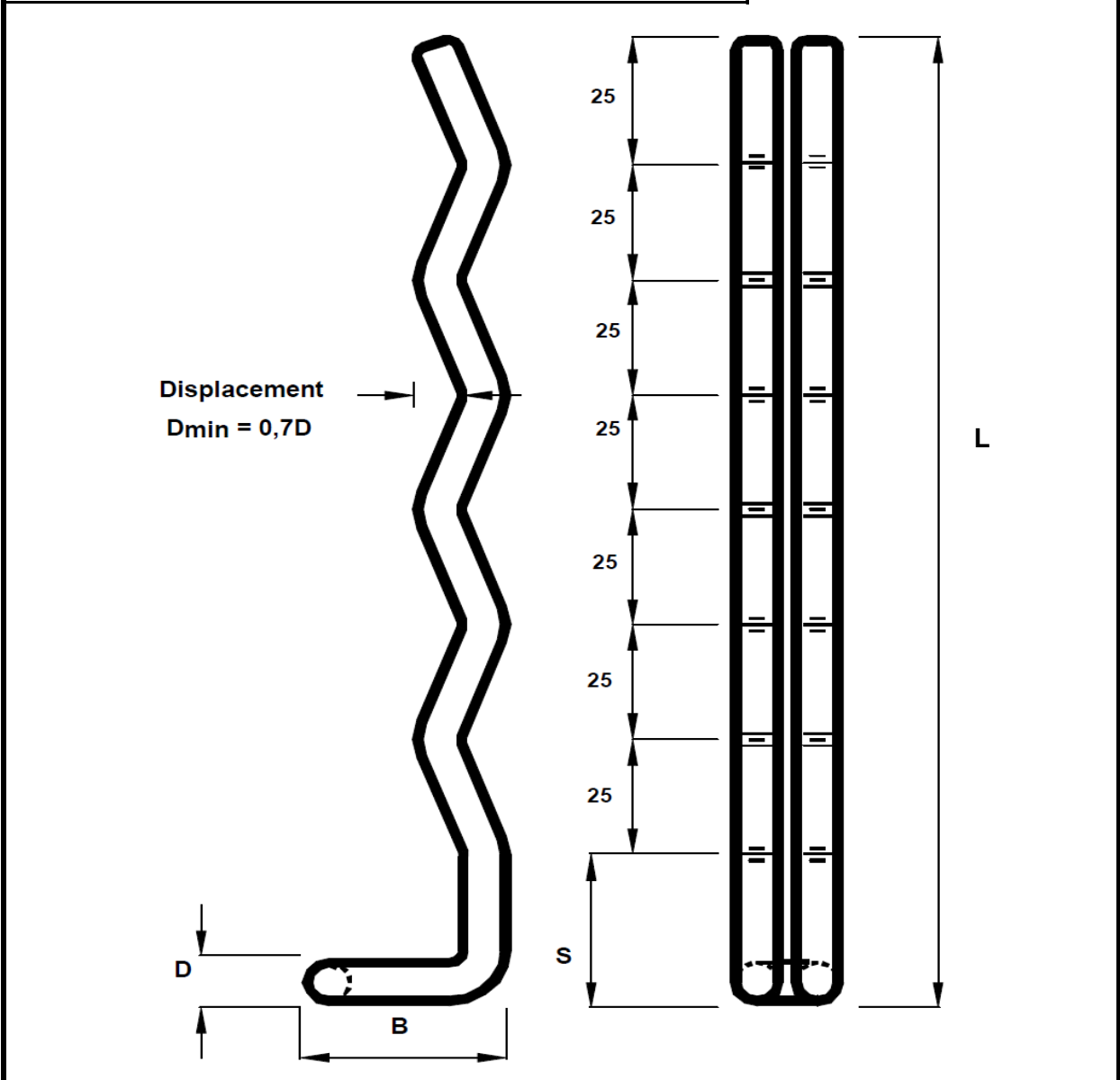
Twin Pin System

Dwg nr. T-14/51

Ordering examples and standard alloys available				<h1>CTP</h1> <p>D<sub>max</sub> = 12 mm D<sub>min</sub> = 6 mm</p> <p>L<sub>max</sub> = 750 mm L<sub>min</sub> = 50 mm</p>
<h2>Example</h2> <p style="font-size: 24pt; font-weight: bold;">CTP. 6 - 250(50) - 330</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> </div> <p style="font-size: 12pt;">Anchor type    Diameter    Length L (Step S)    Alloy type</p>				

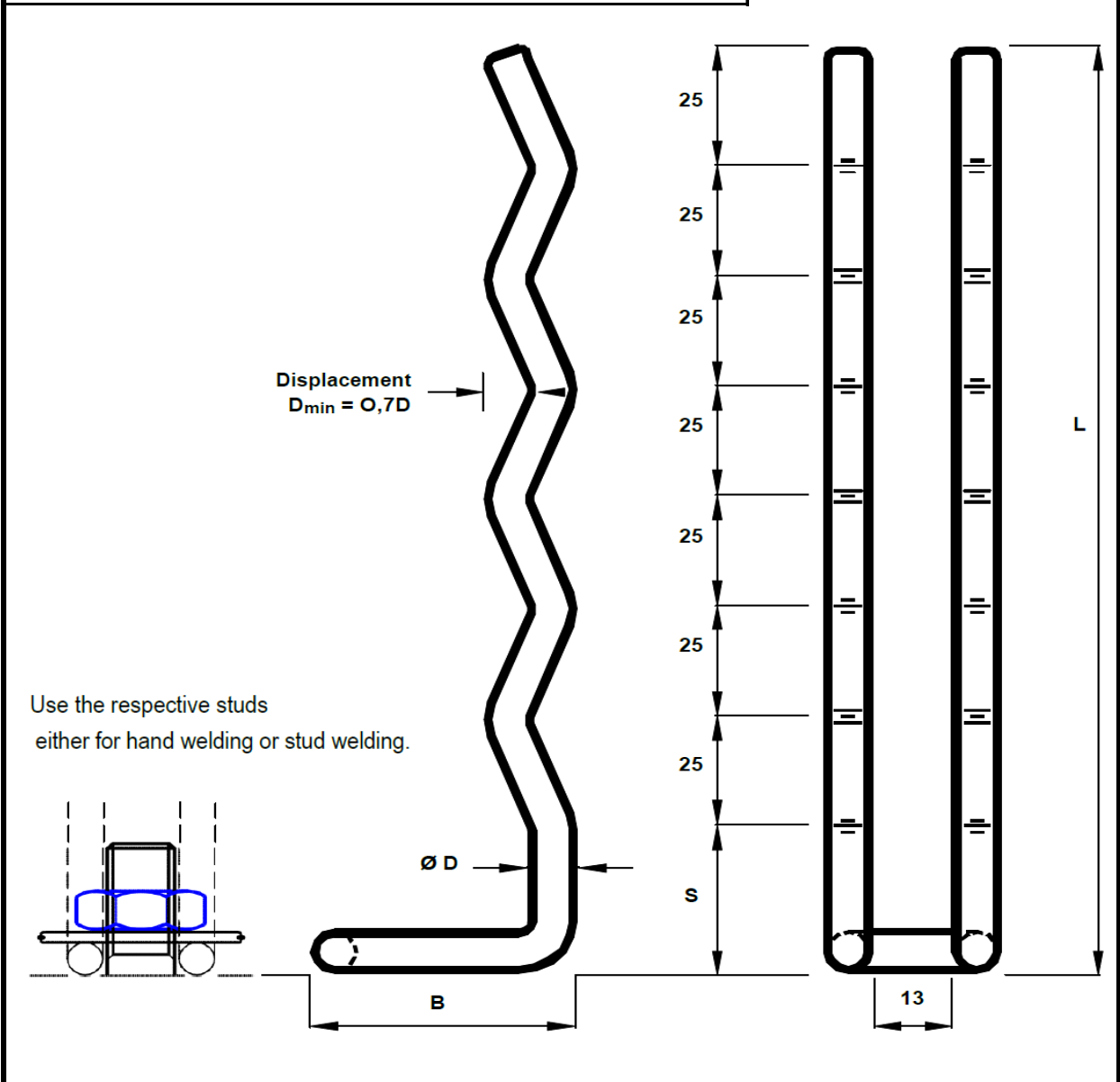


Ordering examples and standard alloys available				<h1>CTH</h1> <p>D<sub>max</sub> = 12 mm D<sub>min</sub> = 6 mm</p> <p>L<sub>max</sub> = 750 mm L<sub>min</sub> = 50 mm</p>
<p>Example</p> <h2>CTH. 10 - 350(100) - 310</h2> <p style="text-align: center;"> <span style="color: blue;">↑</span>   <span style="color: blue;">↑</span>   <span style="color: blue;">↑</span>   <span style="color: blue;">↑</span> </p> <p>Anchor type   Diameter   Length L (Step S)   Alloy type</p>				

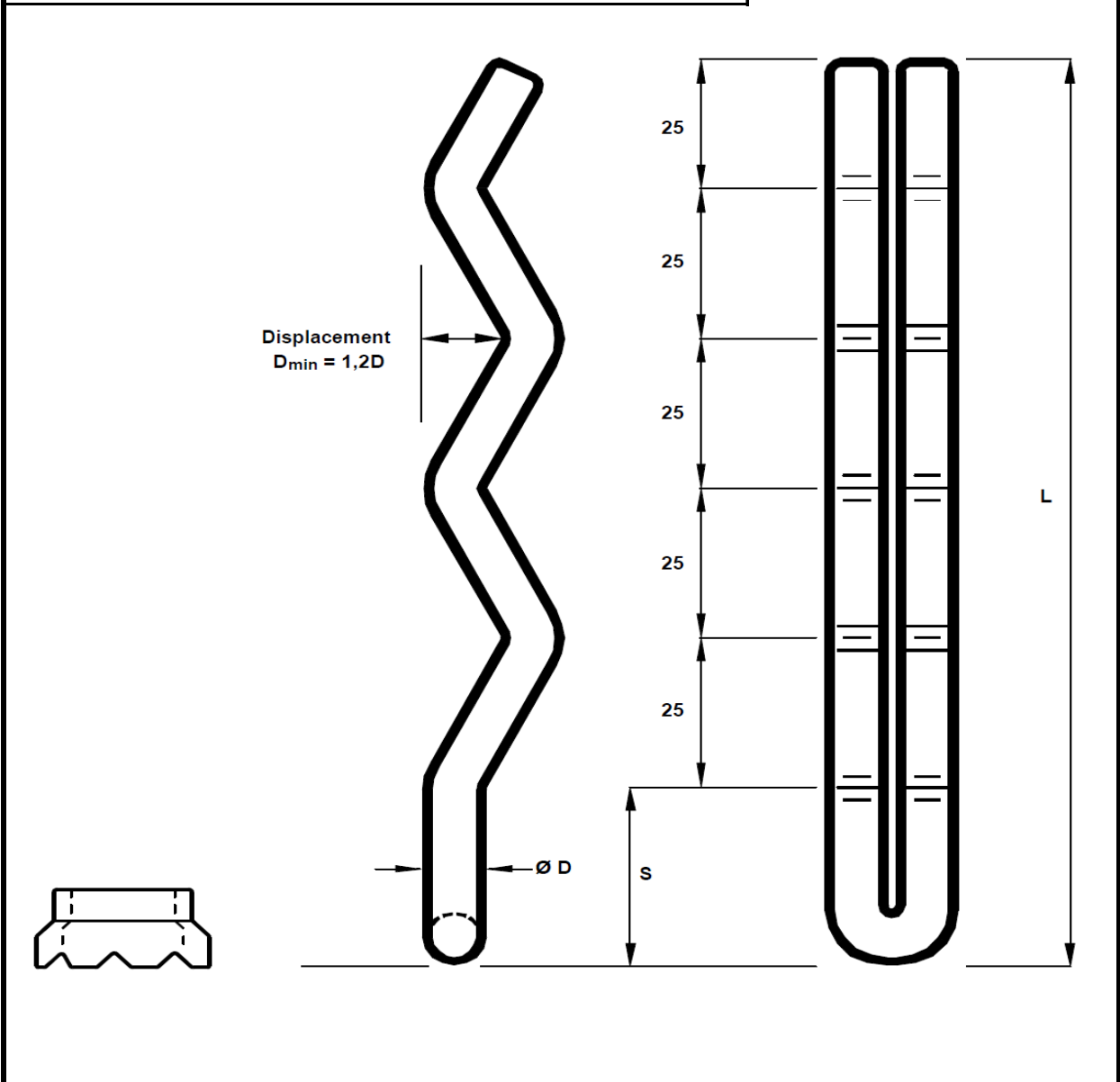




Ordering examples and standard alloys available				<h1>CTB</h1> <p>D<sub>max</sub> = 12 mm D<sub>min</sub> = 6 mm</p> <p>L<sub>max</sub> = 750 mm L<sub>min</sub> = 50 mm</p>
<h2>Example</h2> <p style="font-size: 24pt; font-weight: bold;">CTB. 8 - 300/50(100) - 310</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> <div style="text-align: center;">↑</div> </div> <p style="font-size: 12pt; text-align: center;">Anchor type    Diameter    Length L/B (Step S)    Alloy type</p>				



Ordering examples and standard alloys available				<h1>HTP</h1> <p>D<sub>max</sub> = 12 mm D<sub>min</sub> = 6 mm</p> <p>L<sub>max</sub> = 750 mm L<sub>min</sub> = 50 mm</p>
<p>Example</p> <h2>HTP. 8 - 300(100) - 330</h2> <p style="text-align: center;"> <span style="margin-right: 20px;">↑</span> <span style="margin-right: 20px;">↑</span> <span style="margin-right: 20px;">↑</span> <span>↑</span> </p> <p>Anchor type    Diameter    Length L/B (Step S)    Alloy type</p>				



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Ordering examples and standard alloys available			
Example			
<p><b>HTH. 10 - 300/30(100) - 310</b></p> <p style="text-align: center;"> <span style="color: blue;">↑</span>   <span style="color: blue;">↑</span>   <span style="color: blue;">↑</span>   <span style="color: blue;">↑</span> </p>			
Anchor type	Diameter	Length L/B (Step S)	Alloy type

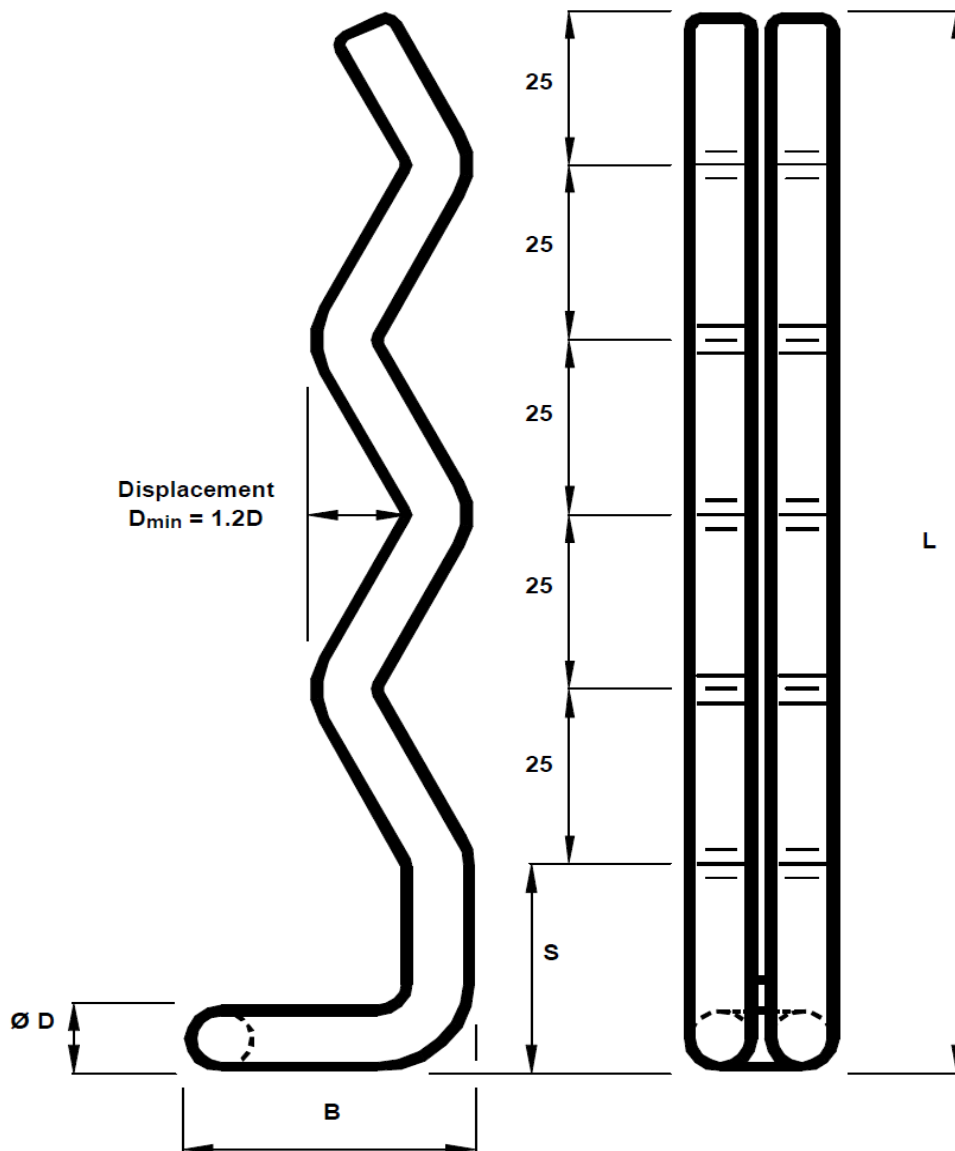
**HTH**

D<sub>max</sub> = 12 mm

D<sub>min</sub> = 6 mm

L<sub>max</sub> = 750 mm

L<sub>min</sub> = 50 mm



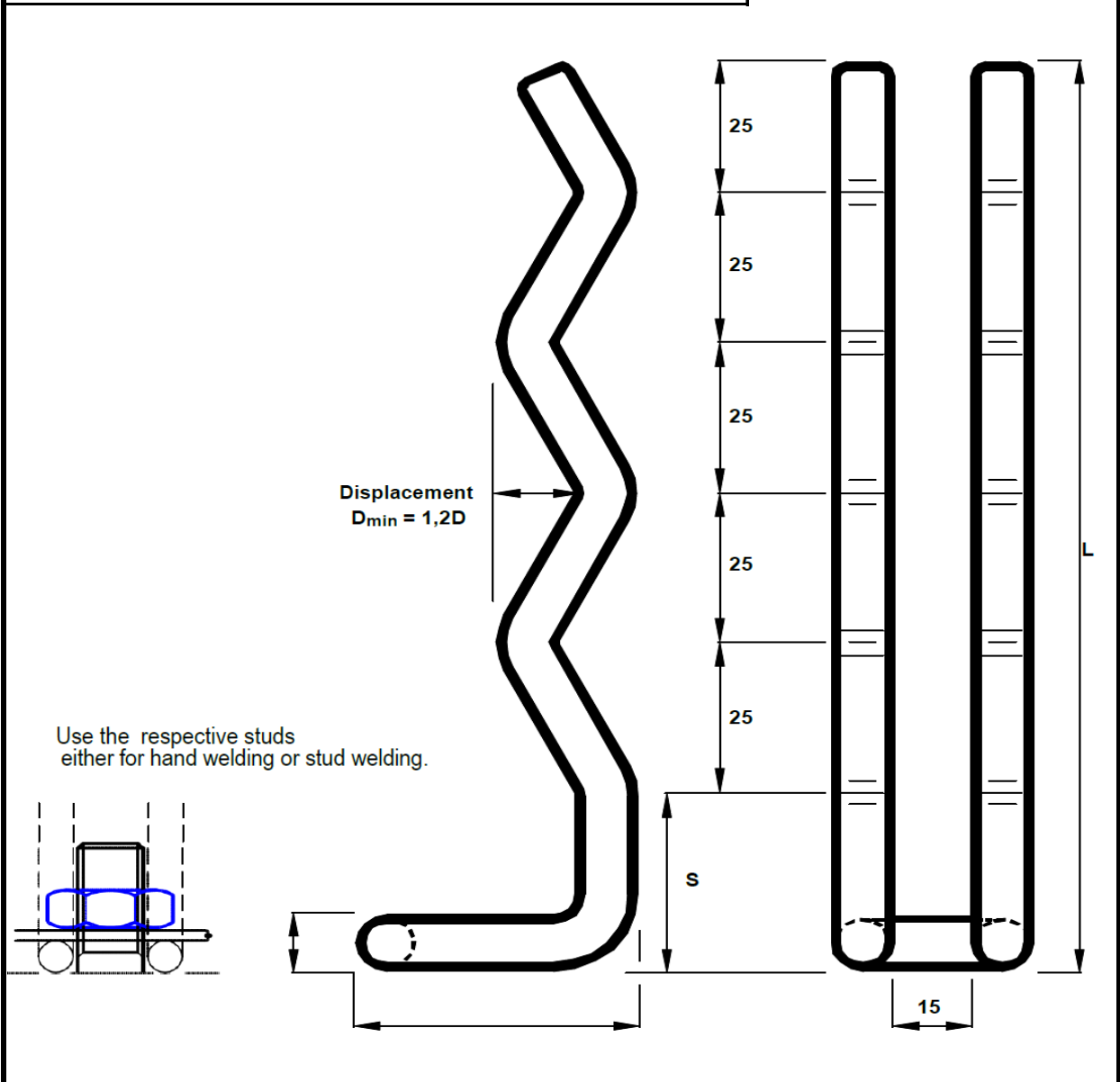
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Dwg nr. T-14/56

Ordering examples and standard alloys available				<h1>HTB</h1> <p>D<sub>max</sub> = 12 mm D<sub>min</sub> = 6 mm</p> <p>L<sub>max</sub> = 750 mm L<sub>min</sub> = 50 mm</p>
<p>Example</p> <h2>HTB. 8 - 300/50(100) - 310</h2> <p style="text-align: center;"> <span style="margin-right: 20px;">↑</span> <span style="margin-right: 20px;">↑</span> <span style="margin-right: 20px;">↑</span> <span>↑</span> </p> <p>Anchor type    Diameter    Length L/B (Step S)    Alloy type</p>				



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