

# Heléns

## 4003

### stainless steel sheet & welding rod

#### An alternative stainless steel

Heléns 4003 grade stainless steel sheet offers a superior alternative to coated carbon steels and other materials which have poor corrosive/abrasive resistance.

Heléns 4003 is a lean alloyed utility stainless steel suited to aggressive material handling applications and a wide range of other applications where a low-cost stainless steel material is required.

Heléns 4003 has been extremely successful in displacing in a wide variety of applications; coated carbon steel, aluminium, etc. It is also ideal for enclosures or structures where coated steel or aluminium present high maintenance and poor service life problems.

#### Typical applications

Enclosures, cabinets  
Vehicle frame / Chassis  
Bulk wet materials handling  
Conveyors, chutes, screens  
Troughs  
Bunkers, hoppers



#### Clear advantages

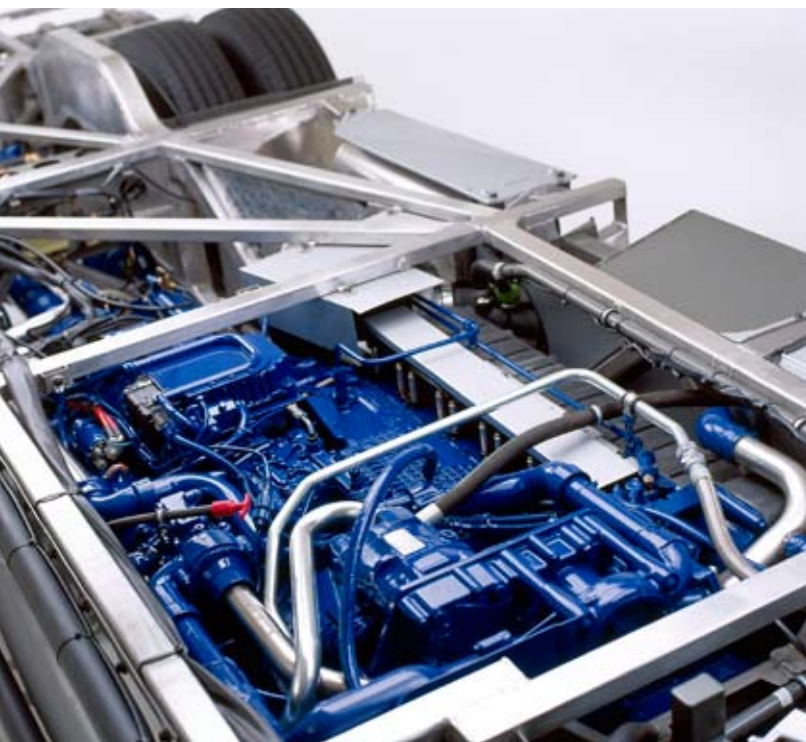
Heléns 4003 is a weldable, ferritic utility stainless steel. It is intended to provide the benefits of traditional stainless steel for example strength, corrosion and abrasion resistance, durability and low maintainance. It also is able to provide additional benefits such as good weldability and formability making it capable of fabrication by conventional techniques.

**Weldability** - Heléns 4003 has a fine grained microstructure which reduces grain growth in the heat affected zone (HAZ) and will allow high integrity welds.

**Strength** - Heléns 4003 offers higher strength and equal structural stiffness than mild steels such as BN EN 10113 Grade Fe430A (ASTM A36) and greater impact and energy resistance than conventional forms of aluminium.

**Corrosion resistance** - Heléns 4003 has excellent abrasion resistancy, especially in wet conditions, reducing wear and replacement costs.

**Coating** - Heléns 4003 has exceptional under paint corrosion resistance and will continue to resist corrosion even when the paint coat had been damaged.





### A European metals service

Heléns is among the largest metal materials companies in Europe, serving major companies in a wide range of automotive, engineering, construction and product design industries.

Heléns in cooperation with its partner Ruukki processes around 11000mt of 4003 yearly. Heléns also manages around 120 000mt of steel with its tube processing facility handling more than 30 000mt.

Heléns is a part of the Benteler group, one of the largest automotive and tube supply businesses in Europe and offers both European and global service and support.

### Welding Rod

To provide you with a complete material package, Heléns can also supply stainless steel welding rod. Heléns 4003 and welding rod make strong fabrications.

Welding wire size	
Material	Gauge
308Lsi	0,8
308Lsi	1
309Lsi	0,8
309Lsi	1
309Lsi	1,2

### Heléns 4003 Sheet stock sizes

Size	Length	mm	kg/sheet
2000	1000	1,00	15,5
2500	1250	1,00	24,2
3000	1500	1,00	34,8
2500	1250	1,25	30,2
3000	1500	1,25	43,5
2000	1000	1,5	23,2
2500	1250	1,5	36,3
3000	1500	1,5	52,3
2500	1250	2,0	48,4
3000	1500	2,0	69,7
2500	1250	2,5	60,5
3000	1500	2,5	87,1
2000	1000	3,0	46,4
2500	1250	3,0	72,6
3000	1500	3,0	104,5
2000	1000	4,0	61,9
2500	1250	4,0	96,8
3000	1500	4,0	139,3
2500	1250	5,0	120,9
3000	1500	5,0	174,2
2500	1250	6,0	145,3
3000	1500	6,0	209
3000	1500	8,0	288
3000	1500	10,0	360
3000	1500	12,0	432
3000	1500	15,0	540
3000	1500	20,0	720