

Stainless Steel Safety Barriers

Specification

PolySto Stainless Steel Safety Barriers protect the internal areas from possible damage caused by daily activities and provide protection for installations, machines, doors and any other damage-sensitive element.

The barriers are filled with concrete to provide extra protection against heavy material handling.

Installation in the construction floor (core drilling) using the 2-component PolySto Chemfix or installation on top of the finished floor by means of a base plate (8 mm thickness) with 4 x M16 stainless steel anchors (chemical anchorage) with stainless steel closed domed cap nut.

Properties

- Protection for sliding doors and gates, machines, etc....
- High quality stainless steel AISI 304 L (316 L on request)
- Extra solid by concrete core
- In accordance with statutory regulations
- Rounded and full welded top
- Glass bead blasted (alternative: brushed K320)
- Safe / Robust / High-quality finish
- Serial production
- Modular
- Special fastening system

Protection levels



Impact level 3 against manual pallets:

diameter 104 mm



Impact level 4 against electric pallet trucks:

diameter 154 mm



Impact level 5 against engine driven forklifts:

diameter 204 mm

Drilling the holes

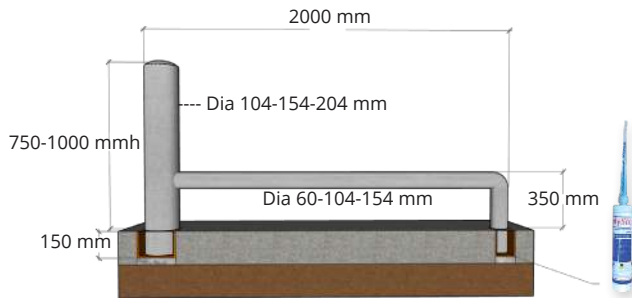
The stated consumption of silicone and Chemfix is based on our experience by drilling the holes with the following diameters.

Of course, each situation is specific and these stated amounts are only a guide.

Diameter of the tube	Diameter of the hole
60	70
104	110
154	160
204	210

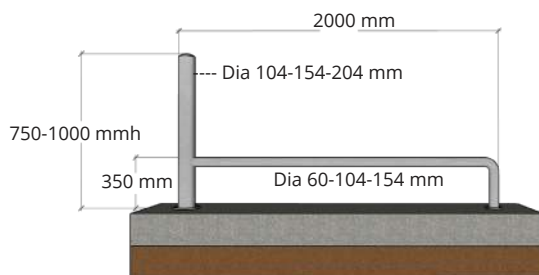


Technical data 'safety H-barrier' for core drilling

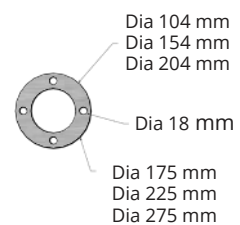


Article N°	H104/60/750+150/B2000	H104/60/1000+150/B2000	H154/104/1000+150/B2000	H204/104/1000+150/B2000
Height	750 +150 mm	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm
Diameter vertical tube	104 mm	104 mm	154 mm	204 mm
Diameter horizontal tube	60 mm	60 mm	104 mm	104 mm
Length *	2000 mm	2000 mm	2000 mm	2000 mm
Height horizontal tube *	350 + 150 mm to top of tube	350 + 150 mm to top of tube	350 + 150 mm to top of tube	350 + 150 mm to top of tube
Wall tickness SS	2 mm	2 mm	2 mm	2 mm
Weight	29 kg	34 kg	110 kg	155 kg
Max amount on pallet	7 pc	7 pc	5 pc	3 pc
Consumption Chemfix	630 cc	630 cc	960 cc	1230 cc
Consumption silicone	80 cc	80 cc	125 cc	150 cc
Protection level	3	3	4	5

Technical data 'safety H-barrier' with base plate (Flange)



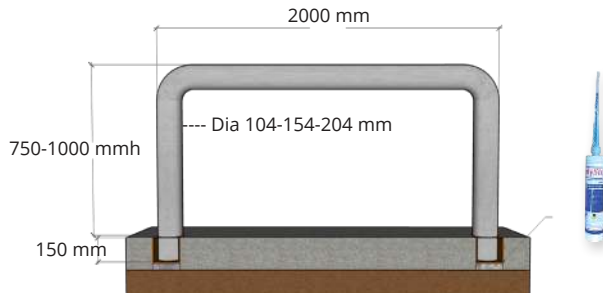
Flange 8mm thick



Article N°	H104/60/750FL/B2000	H104/60/1000FL/B2000	H154/104/1000FL/B2000	H204/104/1000FL/B2000
Height	750 mm	1000 mm	1000 mm	1000 mm
Diameter vertical tube	104 mm	104 mm	154 mm	204 mm
Diameter horizontal tube	60 mm	60 mm	104 mm	104 mm
Length *	2000 mm	2000 mm	2000 mm	2000 mm
Height horizontal tube *	350 mm to top of tube	350 mm to top of tube	350 mm to top of tube	350 mm to top of tube
Wall tickness SS	2 mm	2 mm	2 mm	2 mm
Weight	25 kg	30 kg	100 kg	140 kg
Max amount on pallet	7 pc	7 pc	5 pc	3 pc
Consumption Chemfix	160 cc	160 cc	160 cc	160 cc
Consumption silicone	80 cc	80 cc	125 cc	150 cc
Protection level	3	3	4	5

* custom sizes possible upon request (length 600 mm to 2500 mm)

Technical data 'safety U-barrier' for core drilling



Article N°	U104/750+150/B2000	U104/1000+150/B2000	U154/1000+150/B2000	U204/1000+150/B2000
Height	750 +150 mm	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm
Diameter	104 mm	104 mm	154 mm	204 mm
Length *	2000 mm	2000 mm	2000 mm	2000 mm
Wall tickness SS	2 mm	2 mm	2 mm	2 mm
Weight	86 kg	106 kg	213 kg	379 kg
Max amount on pallet	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	820 cc	820 cc	1100 cc	1640 cc
Consumption silicone	100 cc	100 cc	150 cc	200 cc
Protection level	3	3	4	5

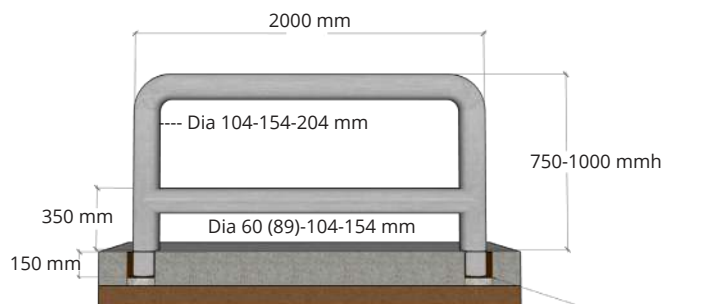
Technical data 'safety U-barrier' with base plate (Flange)



Article N°	U104/750FL/B2000	U104/1000FL/B2000	U154/1000FL/B2000	U204/1000FL/B2000
Height	750 mm	1000 mm	1000 mm	1000 mm
Diameter	104 mm	104 mm	154 mm	204 mm
Length *	2000 mm	2000 mm	2000 mm	2000 mm
Wall tickness SS	2 mm	2 mm	2 mm	2 mm
Weight	80 kg	100 kg	200 kg	355 kg
Max amount on pallet	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	160 cc	160 cc	160 cc	160 cc
Consumption silicone	100 cc	100 cc	150 cc	200 cc
Protection level	3	3	4	5

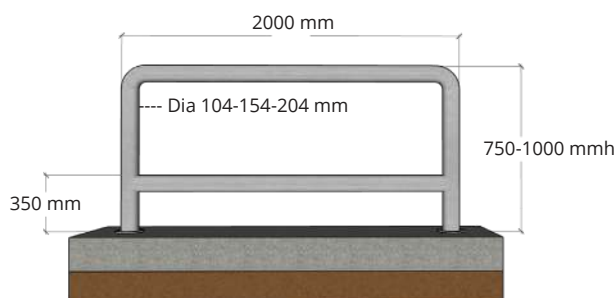
* custom sizes possible upon request (length 600 mm to 3000 mm)

Technical data 'safety double U-barrier' for core drilling

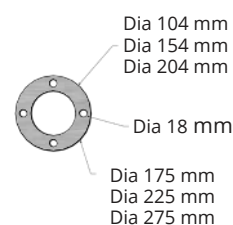


Article N°	dU104/750&350+150/B2000	dU104/1000&500+150/B2000	dU154/1000&500+150/B2000	dU204/1000&500+150/B2000
Height	750 + 150 mm	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm
Diameter	104 mm	104 mm	154 mm	204 mm
Diameter horizontal tube	60 or 89 mm	60 or 89 mm	104 mm	154 mm
Length *	2000 mm	2000 mm	2000 mm	2000 mm
Height horizontal tube *	350 + 150 mm to top of tube	500 + 150 mm to top of tube	500 + 150 mm to top of tube	500 + 150 mm to top of tube
Wall tickness SS	2 mm	2 mm	2 mm	2 mm
Weight	135 kg	150 kg	307 kg	543 kg
Max amount on pallet	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	820 cc	820 cc	1100 cc	1640 cc
Consumption silicone	100 cc	100 cc	150 cc	200 cc
Protection level	3	3	4	5

Technical data 'safety double U-barrier' with base plate (Flange)



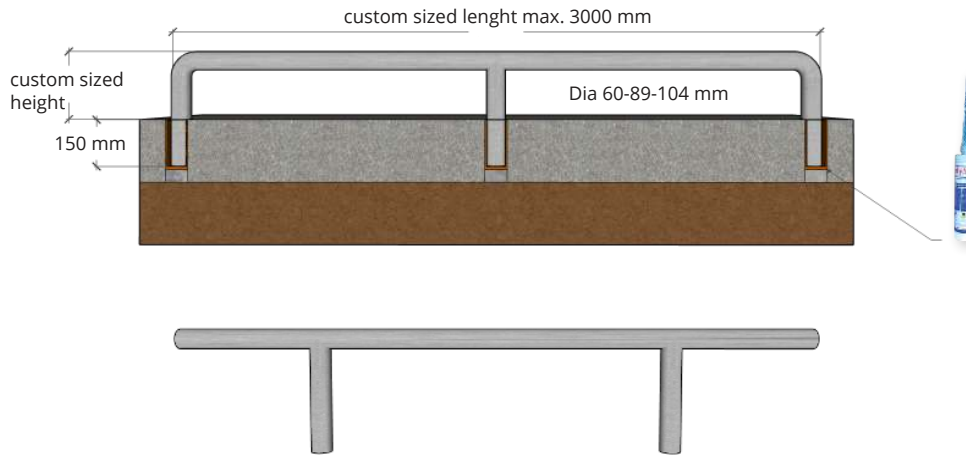
Flange 8mm thick



Article N°	dU104/750&350FL/B2000	dU104/1000&500FL/B2000	dU154/1000&500FL/B2000	dU204/1000&500FL/B2000
Height	750 mm	1000 mm	1000 mm	1000 mm
Diameter	104 mm	104 mm	154 mm	204 mm
Diameter horizontal tube	60 or 89 mm	60 or 89 mm	104 mm	154 mm
Length *	2000 mm	2000 mm	2000 mm	2000 mm
Height horizontal tube *	350 mm to top of tube	500 mm to top of tube	500 mm to top of tube	500 mm to top of tube
Wall tickness SS	2 mm	2 mm	2 mm	2 mm
Weight	130 kg	145 kg	295 kg	520 kg
Max amount on pallet	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	160 cc	160 cc	160 cc	160 cc
Consumption silicone	100 cc	100 cc	150 cc	200 cc
Protection level	3	3	4	5

* custom sizes possible upon request (length 600 mm to 3000mm)

Technical data custom sized stainless steel (corner) barriers



Custom sized stainless steel barrier with a maximum length of 3000 mm. Diameter 60 mm, 89 mm, 104 mm or 154 mm.

With an official purchase order the exact size of the modular barrier will be determined. For example a wall of 10 meters can be protected using 4 barriers of approx. 2300 mm length.



Corners barriers always with adapted sizes.

The following standard applies to all these custom-made barriers (weight of flanges not included).

Diameter	Weight / running meter
60 mm	9 kg/meter
89 mm	17 kg/meter
104 mm	22.5 kg/meter
154 mm	47 kg/meter
204 mm	83 kg/meter

