

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 with core drilling, when with flange the protection level is 1 level down.



Impact level 2 against manual pallets:

diameter 60 mm



Impact level 3 against manual pallets:

diameter 89 and 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

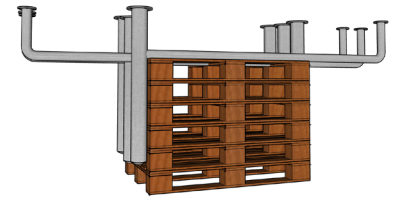
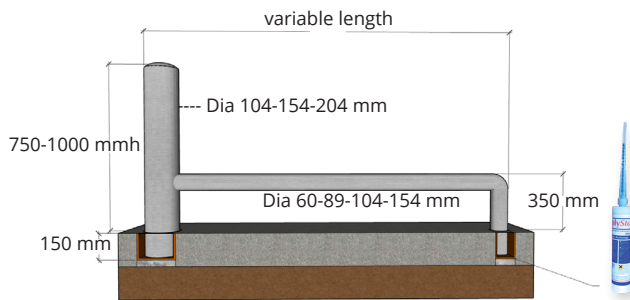
The stated consumption of silicone and Chemfix is based on our experience by drilling the holes with the following diameters.

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

Diameter of the tube	Diameter of the hole
60	70
89	95
104	110
154	160
204	210



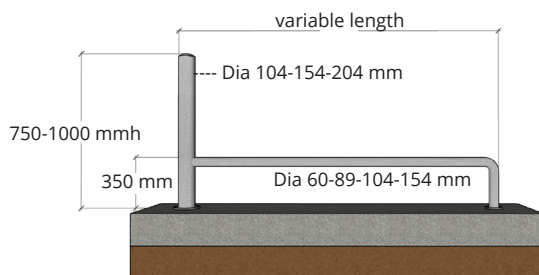
Technical data 'safety H-barrier' for core drilling



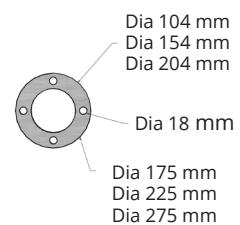
way of packing for transport

Article N°	h_B_104/60/750+150	h_B_104/89/750+150	h_B_154/89/1000+150	h_B_154/104/1000+150	h_B_204/104/1000+150	h_B_204/154/1000+150
Height	750 + 150 mm	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm
Diameter vertical tube	104 mm	104 mm	154 mm	154 mm	204 mm	204 mm
Diameter horizontal tube	60 mm	89 mm	89 mm	104 mm	104 mm	154 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	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	2 mm	2 mm
Weight	21 kg + 9 kg/meter	21 kg + 17 kg/meter	54 kg + 17 kg/meter	54 kg + 22.5 kg/meter	100 kg + 22.5 kg/meter	100 kg + 47 kg/meter
Max amount on pallet	7 pc	7 pc	5 pc	5 pc	3 pc	3 pc
Consumption Chemfix	660 cc	760 cc	900 cc	960 cc	1230 cc	1370 cc
Consumption silicone	80 cc	95 cc	120 cc	125 cc	150 cc	175 cc
Protection level	3	3	4	4	5	5

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



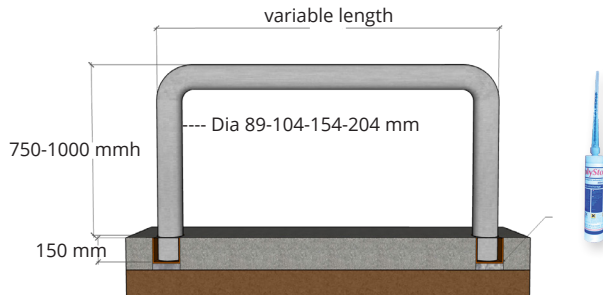
Flange 8mm thick



Article N°	h_B_104/60/750FL	h_B_104/89/750FL	h_B_154/89/1000FL	h_B_154/104/1000FL	h_B_204/104/1000FL	h_B_204/154/1000FL
Height	750 mm	750 mm	1000 mm	1000 mm	1000 mm	1000 mm
Diameter vertical tube	104 mm	104 mm	154 mm	154 mm	204 mm	204 mm
Diameter horizontal tube	60 mm	89 mm	89 mm	104 mm	104 mm	154 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	350 mm to top of tube	350 mm to top of tube
Wall tickness SS	2 mm	2 mm	2 mm	2 mm	2 mm	2 mm
Weight	17 kg + 9 kg/meter	17 kg + 17 kg/meter	49 kg + 17 kg/meter	49 kg + 22.5 kg/meter	90 kg + 22.5 kg/meter	90 kg + 47 kg/meter
Max amount on pallet	7 pc	7 pc	5 pc	5 pc	3 pc	3 pc
Consumption Chemfix	160 cc	160 cc	160 cc	160 cc	160 cc	160 cc
Consumption silicone	80 cc	95 cc	120 cc	125 cc	150 cc	175 cc
Protection level	2	2	3	3	4	4

Length of the barrier from 600 mm to 2500 mm.

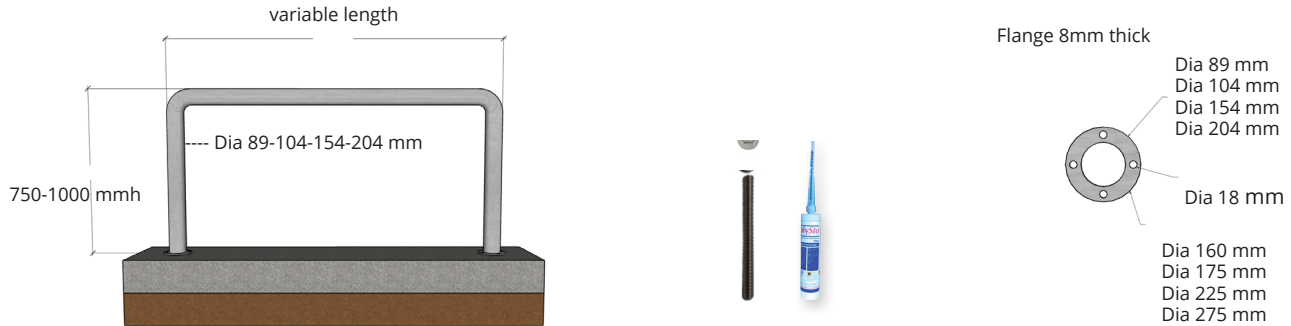
Technical data 'safety U-barrier' for core drilling



Article N°	U_B_60/750+150	U_B_89/750+150	U_B_104/750+150	U_B_154/750+150	U_B_204/750+150
Height	750 +150 mm	750 +150 mm	750 +150 mm	750 +150 mm	750 +150 mm
Diameter	60 mm	89 mm	104 mm	154 mm	204 mm
Maximum length	1500 mm	1800 mm	2000 mm	2500 mm	3000 mm
Wall tickness SS	2 mm	2 mm	2 mm	2 mm	2 mm
Weight	9 kg/meter tube	17 kg/meter tube	22.5 kg/meter tube	47 kg/meter tube	83 kg/meter tube
Max amount on pallet	6 pc	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	500 cc	700 cc	820 cc	1100 cc	1640 cc
Consumption silicone	60 cc	90 cc	100 cc	150 cc	200 cc
Protection level	2	3	4	4	5

Article N°	U_B_60/1000+150	U_B_89/1000+150	U_B_104/1000+150	U_B_154/1000+150	U_B_204/1000+150
Height	1000 +150 mm	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm
Diameter	60 mm	89 mm	104 mm	154 mm	204 mm
Maximum length	1500 mm	1800 mm	2000 mm	2500 mm	3000 mm
Wall tickness SS	2 mm	2 mm	2 mm	2 mm	2 mm
Weight	9 kg/meter tube	17 kg/meter tube	22.5 kg/meter tube	47 kg/meter tube	83 kg/meter tube
Max amount on pallet	6 pc	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	500 cc	700 cc	820 cc	1100 cc	1640 cc
Consumption silicone	60 cc	90 cc	100 cc	150 cc	200 cc
Protection level	2	3	3	4	5

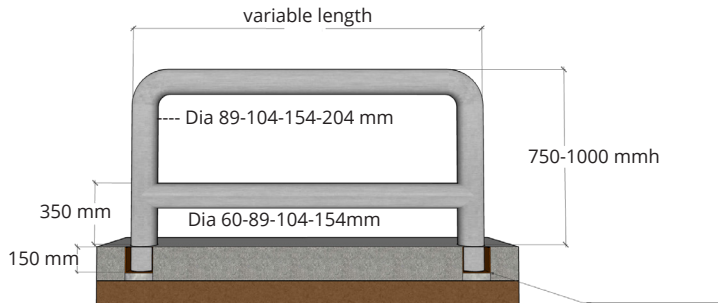
Technical data 'safety U-barrier' with base plate (Flange)



Article N°	U_B_60/750FL	U_B_89/750FL	U_B_104/750FL	U_B_154/750FL	U_B_204/750FL
Height	750 mm	750 mm	750 mm	750 mm	750 mm
Maximum length	1500 mm	1800 mm	2000 mm	2500 mm	3000 mm
Diameter	60 mm	89 mm	104 mm	154 mm	204 mm
Wall tickness SS	2 mm	2 mm	2 mm	2 mm	2 mm
Weight	9 kg/meter tube	17 kg/meter tube	22.5 kg/meter tube	47 kg/meter tube	83 kg/meter tube
Max amount on pallet	6 pc	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	160 cc	160 cc	160 cc	160 cc	160 cc
Consumption silicone	60 cc	90 cc	100 cc	150 cc	200 cc
Protection level	/	2	2	3	4

Article N°	U_B_60/1000FL	U_B_89/1000FL	U_B_104/1000FL	U_B_154/1000FL	U_B_204/1000FL
Height	1000 mm	1000 mm	1000 mm	1000 mm	1000 mm
Maximum length	1500 mm	1800 mm	2000 mm	2500 mm	3000 mm
Diameter	60 mm	89 mm	104 mm	154 mm	204 mm
Wall tickness SS	2 mm	2 mm	2 mm	2 mm	2 mm
Weight	9 kg/meter tube	17 kg/meter tube	22.5 kg/meter tube	47 kg/meter tube	83 kg/meter tube
Max amount on pallet	6 pc	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	160 cc	160 cc	160 cc	160 cc	160 cc
Consumption silicone	60 cc	90 cc	100 cc	150 cc	200 cc
Protection level	/	2	2	3	4

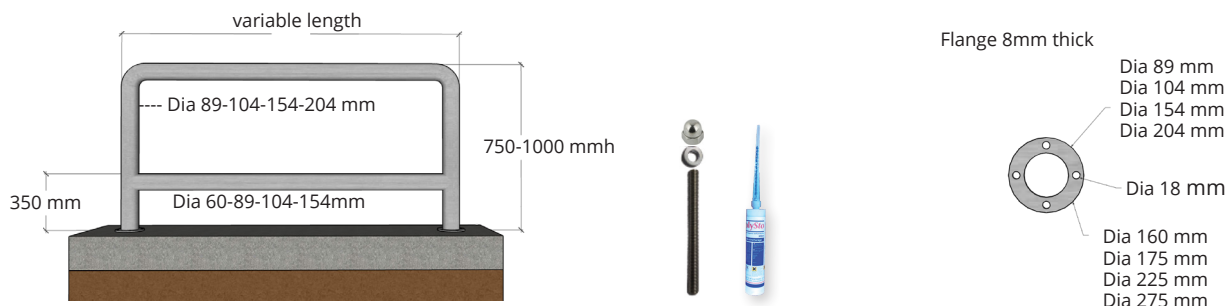
Technical data 'safety double U-barrier' for core drilling



Article N°	DU_B_89/60/750+150	DU_B_104/89/750+150	DU_B_154/104/750+150	DU_B_204/154/750+150
Height	750 +150 mm	750 +150 mm	750 +150 mm	750 +150 mm
Diameter	89 mm	104 mm	154 mm	204 mm
Maximum length	1800 mm	2000 mm	2500 mm	3000 mm
Diameter horizontal tube	60 mm	89 mm	104 mm	154 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	17 kg/meter tube dia 89 mm + 9 kg/meter tube dia 60 mm	22.5 kg/meter tube dia 104 mm + 17 kg/meter tube dia 89 mm	47 kg/meter tube dia 154 mm + 22.5 kg/meter tube dia 104 mm	83 kg/meter tube dia 204 mm + 47 kg/meter tube dia 154 mm
Max amount on pallet	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	700 cc	820 cc	1100 cc	1640 cc
Consumption silicone	90 cc	100 cc	150 cc	200 cc
Protection level	3	3	4	5

Article N°	DU_B_89/60/1000+150	DU_B_104/89/1000+150	DU_B_154/104/1000+150	DU_B_204/154/1000+150
Height	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm	1000 + 150 mm
Diameter	89 mm	104 mm	154 mm	204 mm
Maximum length	1800 mm	2000 mm	2500 mm	3000 mm
Diameter horizontal tube	60 mm	89 mm	104 mm	154 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	17 kg/meter tube dia 89 mm + 9 kg/meter tube dia 60 mm	22.5 kg/meter tube dia 104 mm + 17 kg/meter tube dia 89 mm	47 kg/meter tube dia 154 mm + 22.5 kg/meter tube dia 104 mm	83 kg/meter tube dia 204 mm + 47kg/meter tube dia 154 mm
Max amount on pallet	+	5 pc	4 pc	3 pc
Consumption Chemfix	9 kg/meter tube dia 60mm	820 cc	1100 cc	1640 cc
Consumption silicone	90 cc	100 cc	150 cc	200 cc
Protection level	3	3	4	5

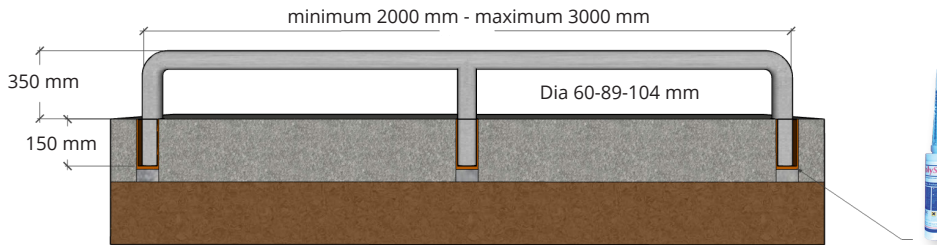
Technical data 'safety double U-barrier' with base plate (Flange)



Article N°	DU_B_89/60/750FL	DU_B_104/89/1000FL	DU_B_154/104/1000FL	DU_B_204/154/1000FL
Height	750 mm	750 mm	750 mm	750 mm
Diameter	89 mm	104 mm	154 mm	204 mm
Maximum length	1800 mm	2000 mm	2500 mm	3000 mm
Diameter horizontal tube	60 mm	89 mm	104 mm	154 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	17 kg/meter tube dia 89 mm + 9 kg/meter tube dia 60 mm	22.5 kg/meter tube dia 104 mm + 17 kg/meter tube dia 89 mm	47 kg/meter tube dia 154 mm + 22.5 kg/meter tube dia 104 mm	83 kg/meter tube dia 204 mm + 47kg/meter tube dia 154 mm
Max amount on pallet	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	160 cc	160 cc	160 cc	160 cc
Consumption silicone	90 cc	100 cc	150 cc	200 cc
Protection level	2	2	3	4

Article N°	DU_B_89/60/1000FL	DU_B_104/89/1000FL	DU_B_154/104/1000FL	DU_B_204/154/1000FL
Height	1000 mm	1000 mm	1000 mm	1000 mm
Diameter	89 mm	104 mm	154 mm	204 mm
Maximum length	1800 mm	2000 mm	2500 mm	3000 mm
Diameter horizontal tube	60 mm	89 mm	104 mm	154 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	17 kg/meter tube dia 89 mm + 9 kg/meter tube dia 60 mm	22.5 kg/meter tube dia 104 mm + 17 kg/meter tube dia 89 mm	47 kg/meter tube dia 154 mm + 22.5 kg/meter tube dia 104 mm	83 kg/meter tube dia 204 mm + 47kg/meter tube dia 154 mm
Max amount on pallet	5 pc	5 pc	4 pc	3 pc
Consumption Chemfix	160 cc	160 cc	160 cc	160 cc
Consumption silicone	90 cc	100 cc	150 cc	200 cc
Protection level	2	2	3	4

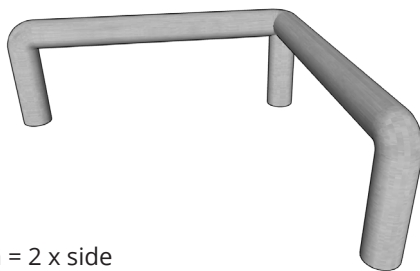
Technical data custom sized stainless steel (corner) barriers



Article N°	TU_B_60/350+150	TU_B_89/350+150	TU_B_104/350+150
Height	350 + 150 mm	350 + 150 mm	350 + 150 mm
Diameter	60 mm	89 mm	104 mm
Wall tickness SS	2 mm	2 mm	2 mm
Weight	9 kg/meter tube	17 kg/meter tube	22.5 kg/meter tube
Max amount on pallet	10 pc	7 pc	6 pc
Consumption Chemfix	750 cc	1050 cc	1230 cc
Consumption silicone	90 cc	135 cc	150 cc
Protection level	2	3	4

Length of the barrier from 2000 mm to 3000 mm.

Technical data 'corner LU-barrier'



Length = 2 x side
eg. 1000 mm = 2 x 500 mm



Article N°	LU_B_60/350+150	LU_B_89/350+150	LU_B_104/350+150
Height	350 + 150 mm	350 + 150 mm	350 + 150 mm
Diameter	60 mm	89 mm	104 mm
Wall tickness SS	2 mm	2 mm	2 mm
Weight	9 kg/meter tube	17 kg/meter tube	22.5 kg/meter tube
Max amount on pallet	10 pc	7 pc	6 pc
Consumption Chemfix	750 cc	1050 cc	1230 cc
Consumption silicone	90 cc	135 cc	150 cc
Protection level	2	3	4

Technical data 'PI-barrier'



Length	L < 2200 mm		L > 2200 mm < 3000 mm	
Article N°	PI_B_89/60/200+150	PI_B_104/89/200+150	PI_B_89/60/200+150 3p	PI_B_104/89/200+150 3p
Height	200 + 150 mm	200 + 150 mm	200 + 150 mm	200 + 150 mm
Diameter	60 mm	89 mm	60 mm	89 mm
Diameter horizontal tube	89 mm	104 mm	89 mm	104 mm
Wall tickness SS	2 mm	2 mm	2 mm	2 mm
Weight	5 kg + 17 kg/meter tube dia 89 mm	9.5 kg + 22.5 kg/meter tube dia 89 mm	7.5 kg + 17 kg/meter tube dia 89 mm	14 kg + 22.5kg/meter tube dia 104 mm
Max amount on pallet	5 pc	5 pc	5 pc	5 pc
Consumption Chemfix	500 cc	700 cc	750 cc	1050 cc
Consumption silicone	60 cc	90 cc	90 cc	135 cc
Protection level	3	3	3	3

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