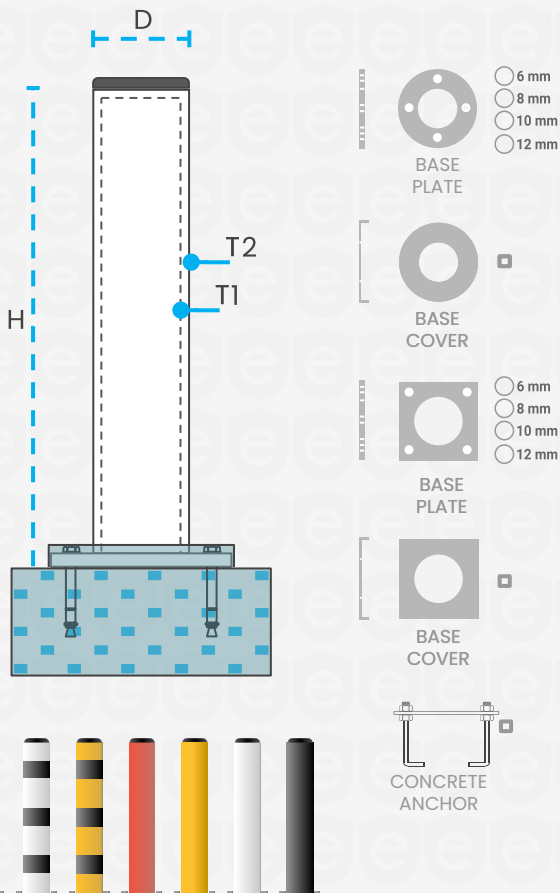


SURFACE FIXED

Surface fixed Bollards are used where excavation is not recommended. This type of bollard can be removed easily. Thus, they can also serve as temporary bollards.

They are usually found in locations where there is less security requirements.

SF



STANDARD DIAMETER (OD) mm	
73.0	76.1
88.9	101.6
114.3	139.7
141.3	168.3
193.7	219.1
273.0	323.9

HEIGHT / DEPTH (H) mm	
500	600
700	800
900	1,000
1,100	1,200
1,300	1,400
1,500	

MATERIAL AND FINISH	
BOLLARD	COLOR
GALVANIZED STEEL	ALUMINIUM
STRUCTURE STEEL	316 SS SATIN
316 SS	316 SS MATTE
316 SS BRUSHED	316 SS BRUSHED
316 SS MIRROR	316 SS MIRROR
RAL	RAL

OPTIONS	
BEAD BLASTED	REBAR
CHAIN HOLDER	BOLTS
CONCRETE FILLING	LOCK
INSTALLATION	POWDER COATING

CAP	SHAPE
STRIP	HANDLE
THICKNESS (T) mm	
2 3 4 5 6 7 8 9 10 12 14 16	
Bollard (T1)	
Sleeve (T2)	
STRIP COLOR	

TEST METHOD	FOUNDATION
Full Scale	IN-GROUND
Engineering	Shallow
Simulation	Surface
Calculation	Socket
No Test	
STANDARD	CRASH RATING
PAS 170	K12
PAS 68	K8
ASTM	K4
IWA14	Lower