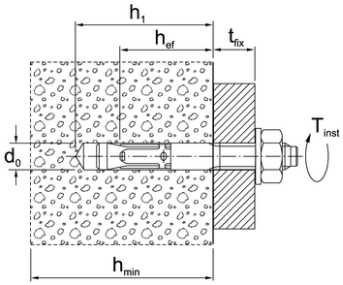
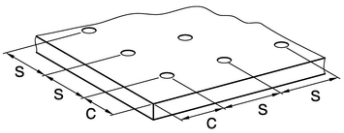
HEAVY ANCHOR INOX







APPLICATION

For universal use anchor heavy loads, even in areas of cracked concrete. Recommended for anchoring pipes, channels, brackets and support plates in closed environments to the exclusion of humid environments.

Features:

- No need for special equipment;
- Reduced drilling depth;
- Wide range of sizes, offering a safe and economical solution to every need;
- Ideal for fastening in tense areas of concrete structures subjected to shock

Blunt head for inserting percussion facilitated.

Pre-assembled nut and washer

SCOPE OF DELIVERY

Supplied with washer and hexagon nut.

INSTALLATION

1. Drill bore hole according to the minimum bore hole depth perpendicularly to the surface.
2. Remove dirt from hole.
3. Drive the anchor into concrete up to its embedment mark.
4. After tightening the anchor with a torque wrench Tinst (see torque indicated in the following tab), it may immediately be submitted to loading.

Note the instructions in the mounting manual.

TECHNICAL DATA

Material: stainless steel A4.

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

P.IVA 03470750278
Reg.Imp. Ve 03470750278
Cap.soc. € 90.000,00
REA Padova n° 311219

info@prosystemitalia.com
prosystemitalia.com

M8	M10	M12	M16	
Perm. load 1) tension C20/25 2) [kN]	2.4	4.3	7.6	11.9
C25/30 2) [kN]	2.6	4.7	8.3	13.0
C30/37 2) [kN]	2.9	5.2	9.3	14.5
C40/50 2) [kN]	3.4	6.1	10.8	16.8
C50/60 2) [kN]	3.7	6.6	11.8	18.4
Perm. load 1) oplique C20/25 2) [kN]	7.4	11.4	17.1	31.4
Perm. bending moment 1) [Nm]	14.9	29.7	52.6	114.3
Min. thickness of component hmin ≥ [mm]	100	120	140	160
(3 hef) Charact. centre distance scr [mm]	138	180	210	255
(1,5 hef) Charact. edge distance ccr [mm]	69	90	105	127.5
Min. centre distance s at/edge distance c ≥ [mm]	40/70	50/75	60/100	60/100
Min. edge distance c at/centre distance s ≥ [mm]	40/80	55/90	60/140	60/180
Effective anchoring depth hef [mm]	46	60	70	85
Nominal diameter of drill d0 [mm]	8	10	12	16
Depth of bore hole h1 ≥ [mm]	60	75	90	110
Anchoring torque Tinst [Nm]	20	35	50	110
zul. Perm. load tenison 3) for fire exposure				
Perm. load R30 perm. F [kN]	1.3	2.3	4.0	6.3
Perm. load R60 perm. F [kN]	1.3	2.3	4.0	6.3
Perm. load R90 perm. F [kN]	1.3	2.3	4.0	6.3
Perm. load R120 perm. F [kN]	1.0	1.8	3.2	5.0

[1] Loads for single anchors without influence of edge distances
[2] Cracked concrete (option 1)
[3] Consider edge and centre distances under fire exposure accord. to approval

Type	Thread connection	Standard anchoring depth tfix [mm]	Reducedanchoringdepthtfix	Total length [mm]
8/10/75 A4	M8	10	6	75
10/10/90 A4	M10	10	30	90
10/30/110 A4	M10	30	50	110
10/50/130 A4	M10	50	70	130
12/20/115 A4	M12	15	40	110
12/50/145 A4	M12	50	70	145
16/25/145 A4	M16	25	45	145
16/50/170 A4	M16	50	70	170

APPROVALS / COMPLIANCE

ETA Approval number: ETA-10/0259;

FM-Approval for M10, M12, M16 only for Standard anchoring depth;

VdS compliant for all sizes;

Shock approval issued by the Federal Office for Civil Defence, Bern (Switzerland).

Codice	Nome	Peso	Numero di pezzi
114160	M 8/10/21/ 75 mm A4	0.03	100
114164	M10/10/30/ 90 mm A4	0.06	50
114166	M10/30/50/110 mm A4	0.07	50
114167	M10/50/70/130 mm A4	0.08	50
114170	M12/20/40/115 mm A4	0.1	25
114172	M12/50/70/145 mm A4	0.13	25
114174	M16/25/45/145 mm A4	0.23	20
114175	M16/50/70/170 mm A4	0.27	20