





PLEASE READ CAREFULLY ALL THE INFORMATIONS AND INSTRUCTIONSIN THIS USER MANUAL BEFORE THE USE OF ANY COMPONENT OF THE "ADJUSTABLE" SYSTEM, COVERED BY INTERNATIONAL PATENT.

For any doubt about the corrrect use of the components described in this manual please contact:

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B.S. Italia S.p.A. is a ISO 9001 certified company and adjustable stystem is designed and constructed according to

B.S.Italia Certifications





- For the Quality system:
 Company with Quality system certified by IGQ
 According to UNI EN ISO 9001
- For the general parts:
 Static calculations. Eurocodes and state-of-art
- For the materials:

UNI-EN 10025-1 Hot-rolled-non-alloyed steel products for structural use. Supply technical conditions .

UNI 10139 Finished cold-rolled-non-alloyed steel products. Band iron and straps for cold-forming quality. Quality, specifications and tests.

UNI EN 10083 Temper steel. Supply technical conditions.

UNI EN 10346 Steel plains products with low level of carbon continued-hot-dip galvanization, for cold shapening. Supply technical conditions.

· For surface treatements:

UNI EN ISO 2081 Metallic claddings. Electrolytic zinc cladding on iron or steel

UNI 4042 Steel bolt. Technical prescription for electrolytic claddings.

- For materials control:
 Accredia certified laboratiories
- UNI EN 1090-2 Execution of steel structures.



CONTENT

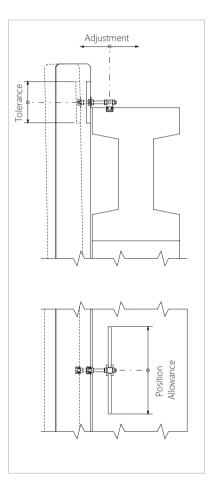
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Drawings reported in this user manual are provided purely for information



Advantages



Easy, fast and Safe

B.S. Italia windbracing nodes are an innovative solution for an easy, fast and safe assembly.

Millimetre adjustment

REGOLABILI anchorage system let you adjust the vertical position of concrete elements to the millimetre. They are based on the concept of a fixed point in the structure withe the panel being moved away from or closer to this by the millimetre. (Vertical adjustment, plumbing).

Versatility

REGOLABILY systems are extremely versatile: B.S. Italia has designed a wide range of systems and accessories for connections between artifacts of different type.

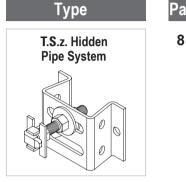
In fact, special anchor profiles are used to allow for the tolerances coupling the panels and the structure. Screws and extensions of various lenghts are used to get the required distances between panel and the fixed point.

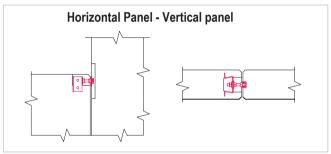


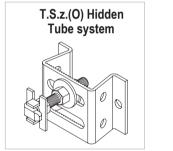
Choice of the windbracing system

The connection type must be chosen to suit the type of the artifacts to be connected and the type of restraint required, as well as the adjustment wanted.

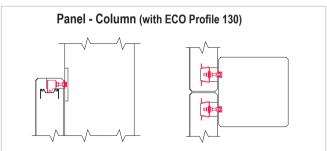
Panel - Column



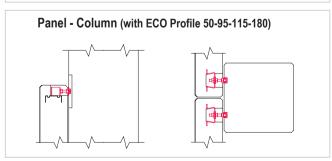


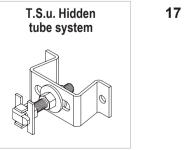


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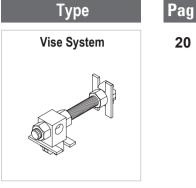


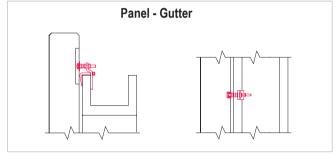


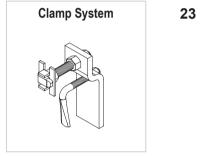


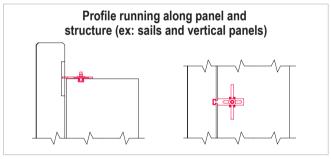
CHOICE OF THE WINDBRACING SYSTEM

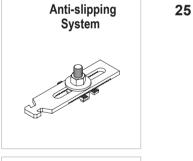
Panel - Beam Visit of the second of the sec

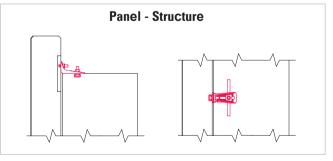


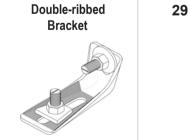
















Payloads of all system in this manual are to be considered as nominals in exercise (S.L.E.).

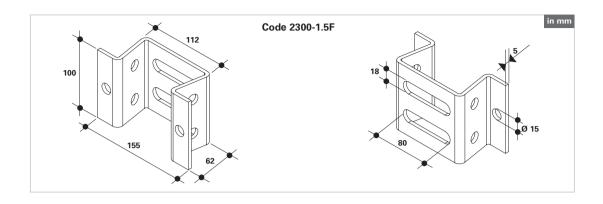
ULTIMATE LIMIT STATE payloads (U.L.S.) are indicated in the table reported below:

SYSTEM			NOMINAL PAYLOAD IN EXERCISE (kN)	ULTIMATE LIMIT STATE PAYLOAD U.L.S. (kN)
TO- /TO-	w i thou	t bracketing	10	15
T.S.z. / T.S.e.	with bracketing		12	18
T.S.z.O. / T.S.u.	without bracketing		8	12
1.S.Z.O. / 1.S.u.	with	bracketing	10	15
Vise			10	15
Corrector			6	9
Clamp			10	15
Anti slipping (knured plain plates as started in page 25-26)			12	18
Anti slipping (knured plates with special head as started in page 27-28)			20	30
Double-riddeb bracket			22	33
B.S.s. with straps / B.S.s. "Diy" short screws /	ayload cm)	traction	10	15
B.S.s. "Root"	concentrate payload (every 24 cm)	shear	10	15
B.S.S. ROOT		slipping	2	3
B.S.s. with spirals / with backeting rebars /	ayload cm)	traction	8	12
B.S.c. "Root" / B.S.c. "Diy" short screws	concentrate payload (every 24 cm)	shear	8	12
B.S.C. NOOL / B.S.C. Dly Short sciews	concer (ev	slipping	2	3
	ayload m)	traction	12	18
B.S.s. "Diy" with long screws	concentrate payload (every 24 cm)	shear	12	18
	concer (eve	slipping	2	3
	ayload cm)	traction	10	15
B.S.s. with swan-necked stirrups	concentrate payload (every 24 cm)	shear	8	12
	concer (ev	slipping	2	3

N.B.: The values of the reaches are to be considered valid only in the presence of reinforced conrete with Rck≥35 N/mm².

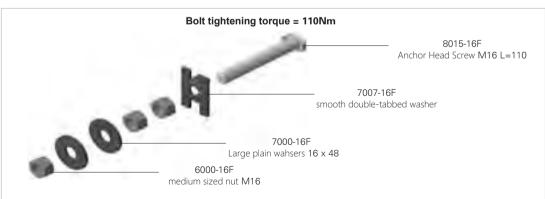


T.S.Z. HIDDEN TUBE SYSTEM



EXAMPLE OF ASSEMBLY





The anchor head screw choice depends on the distance of the panel from the anchorage profile in the structure (see page 52 for various lenghts available)

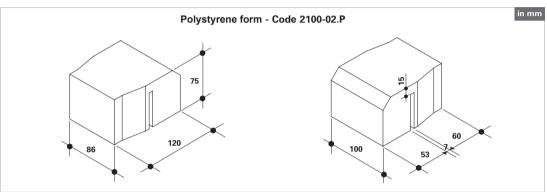


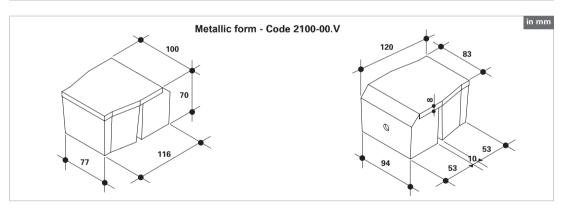
T.S.Z. HIDDEN TUBE SYSTEM



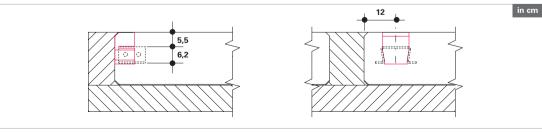
PLACEMENT IN THE FORM

A disposable polystyrene or reusable metallic form is used to position the T.S.z. hidden pipe; the form must be oiled to allow for removal of the concrete element after stripping. The form creates the cavities needed to insert and position the screws that fix the T.S.z.



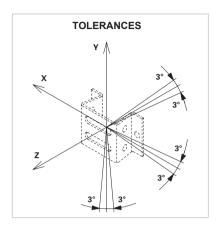


T.S.z FORM PLACEMENT





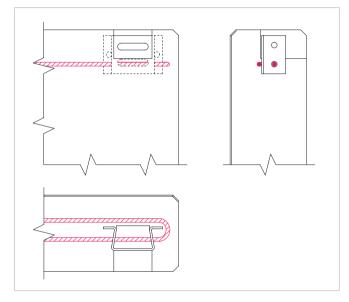
T.S.Z. HIDDEN TUBE SYSTEM



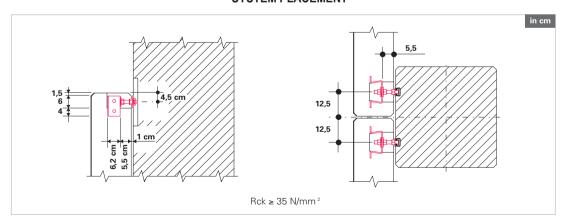
BRACKETING

The bracketing of the T.S.z. hidden pipe consist of a \varnothing 10 (B450) Sv=80cm concrete strip with Rck \geq 35 N/mm² as shown in the figure.

This bracketing is not mandatory, but allow to increase T.S.z. payloadas as shown in the table on page 7.

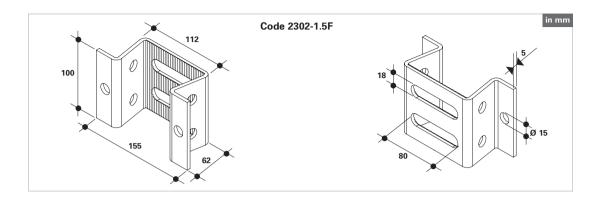


SYSTEM PLACEMENT



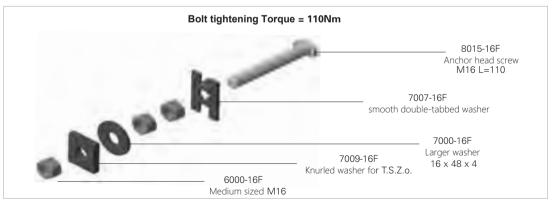


T.S.z.(0) HIDDEN TUBE SYSTEM



EXAMPLE OF ASSEMBLY

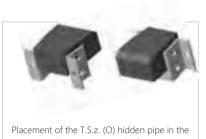




The choice of Anchor head screw depends on the distance of the panel from the anchorage profile in the structure (see page 52 for various lengths available)



T.S.z.(0) HIDDEN TUBE SYSTEM

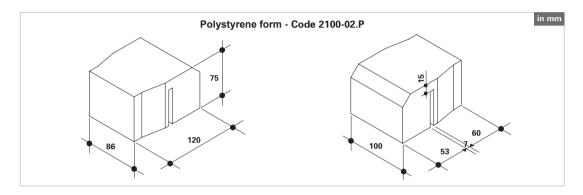


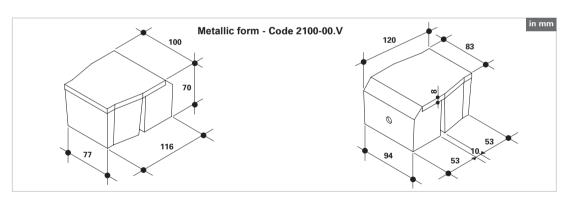
polystyrene or metallic form

PLACEMENT IN THE FORM

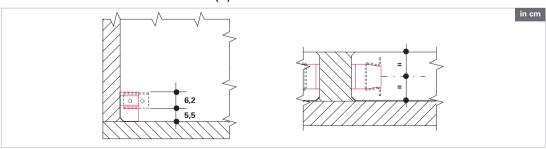
A disposable polystyrene or reusable metal form is used to position the T.S.z. (O) hidden pipe; the form must be oiled to allow for removal of the concrete element after stripping.

The form creates the cavities needed to insert and position the screws that fix the T.S.z. (O).



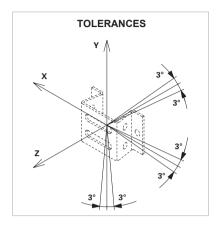


T.S.z.(O) FORM PLACEMENT



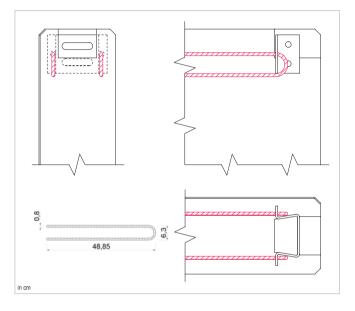


T.S.z.(0) HIDDEN TUBE SYSTEM

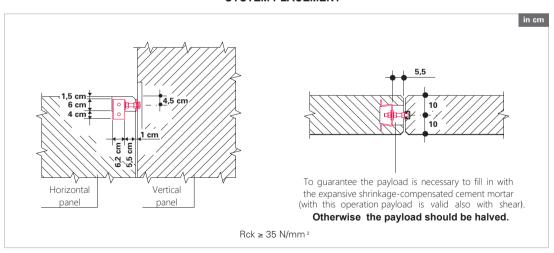


BRACKETING

The bracketing of the T.S.z.(O) hidden pipe consist of two \varnothing 8 (B450) Sv=100cm cocncrete strip with Rck \geq 35 N/mm² as shown in the figure. This bracketing is not mandatory, but helps to increase T.S.z.(O) payload as shown in the table on page 7.



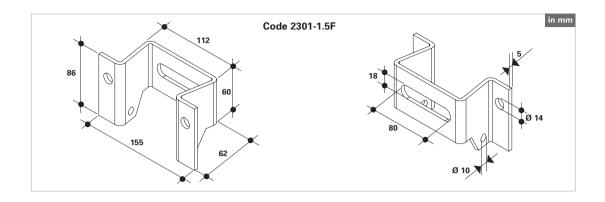
SYSTEM PLACEMENT





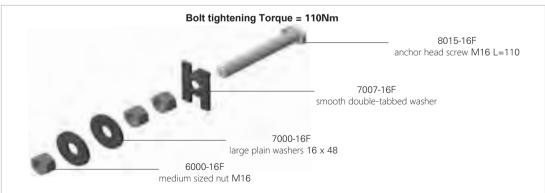
T.S.C. HIDDEN TUBE SYSTEM

To be used in panels realized with ECO 130-180 B.S. Italia Reinforcement



EXAMPLE OF ASSEMBLY





The choice of the anchor head screw varies depending on the distance of the panel from the anchorage profile in the structure (for lenghts available see page 52)

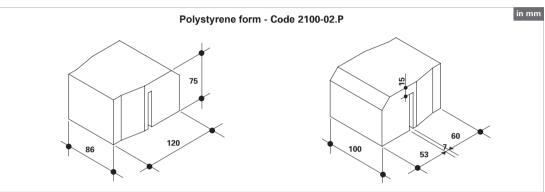


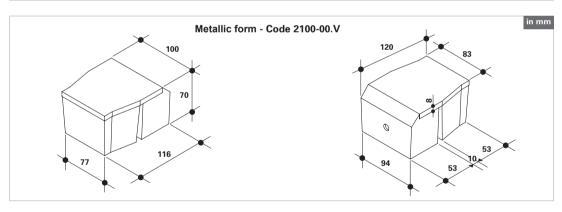
T.S.C. HIDDEN TUBE SYSTEM



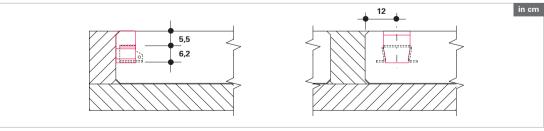
FORM PLACEMENT

A disposable polystyrene or reusable metallic form is used to position the T.S.e hidden pipe; the form must be oiled to allow for removal of the concrete element after stripping. The form creates the cavities needed to insert and position the screws that fix the T.S.e.



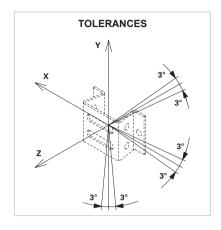


T.S. FORM PLACEMENT

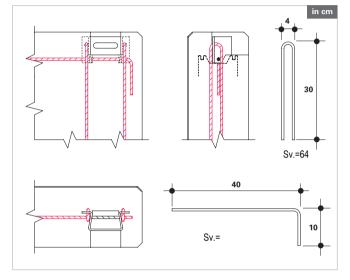




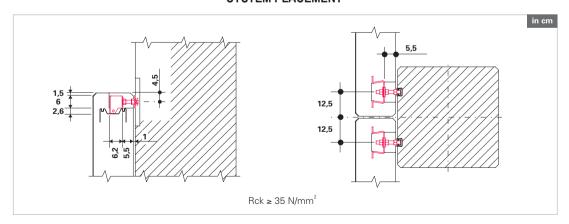
T.S.C. HIDDEN TUBE SYSTEM



BRACKETING



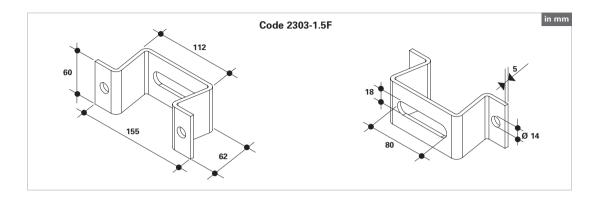
SYSTEM PLACEMENT





T.S.U. HIDDEN TUBE SYSTEM

To be used with panels realized with ECO 50 - 95 - 115 B.S. Italia reinforcement



EXAMPLE OF ASSEMBLY

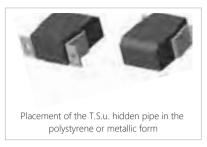




The choice of anchor head screw depends on the distance of the panel from the anchorage profile in the structure (for lenghts available see page 52)

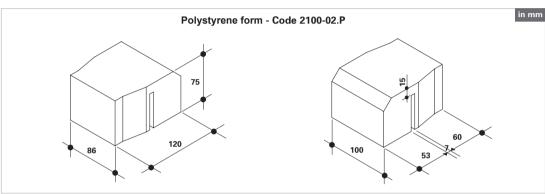


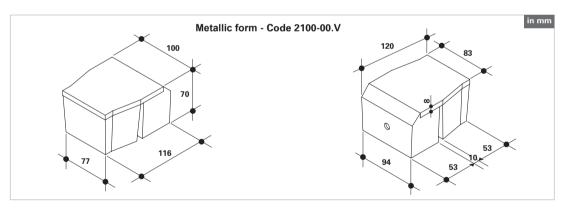
T.S.U. HIDDEN TUBE SYSTEM



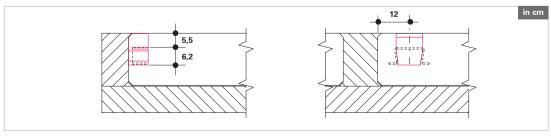
PLACEMENT IN THE FORM

A disposable polystyrene or reusable metal form is used to position the T.S.u. hidden pipe; the form must be oiled to allow for removal of the concrete element after stripping. The form creates the cavities needed to insert and position the screws that fix the T.S.u.



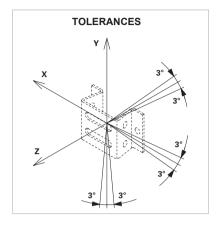


T.S. FORM PLACEMENT



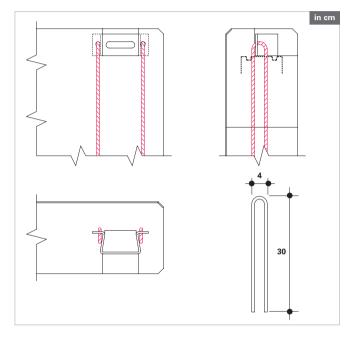


T.S.U. HIDDEN TUBE SYSTEM

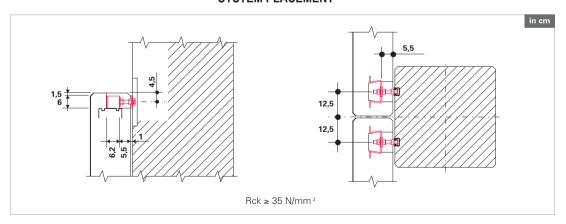


BRACKETING

The bracketing of the T.S.u. hidden pipe consist of two Ø8 (B450) Sv=64cm cocncrete strip with Rck $\stackrel{>}{\simeq} 35$ N/mm as shown in the figure. This bracketing is not mandatory, but allow to increase T.S.u. payload as shown in the table on page 7.

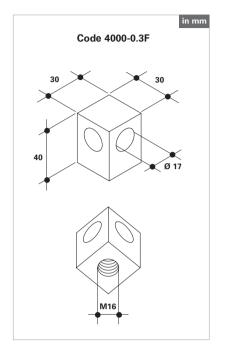


SYSTEM PLACEMENT



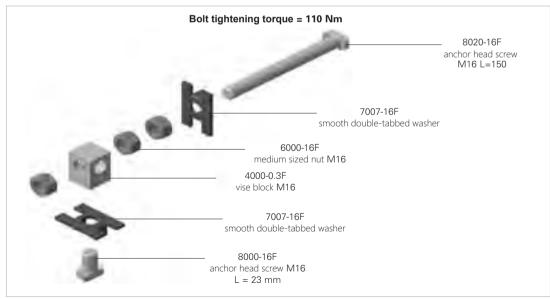


VISE SYSTEM M16



EXAMPLE OF ASSEMBLY



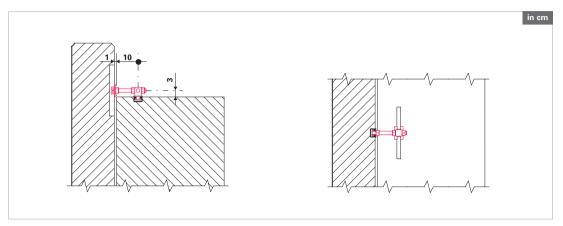


The choice of the anchor head screw depends on the distance of the panel from the anchorage profile in the structure. (for lengths available see page 52)



VISE SYSTEM M16

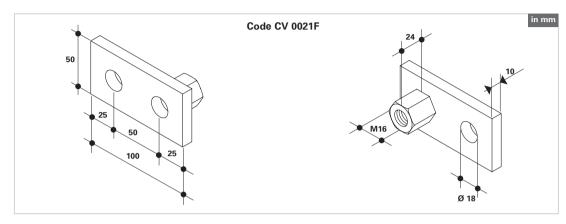
PLACEMENT

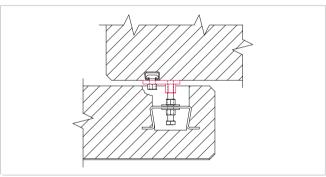


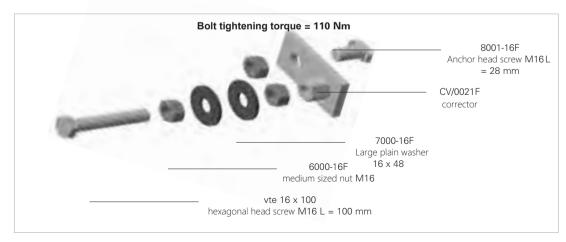


Error corrector for hidden tubes

For possible errors in inserting anchorage profiles in columns or hidden tubes in panels, it's available the error corrector. This must be linked first to the hidden pipe and then to the anchorage profile. For the payload to see table on page 7.

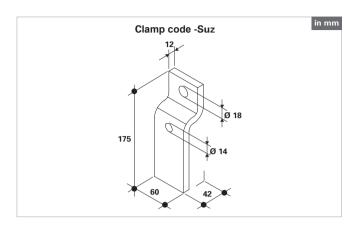






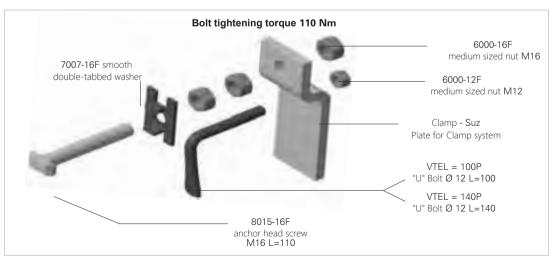


CLAMP SYSTEM



EXAMPLE OF ASSEMBLY

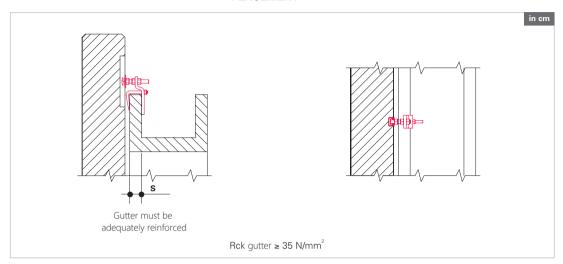






CLAMP SYSTEM

PLACEMENT



"U" Bolt choice varies depending on S:

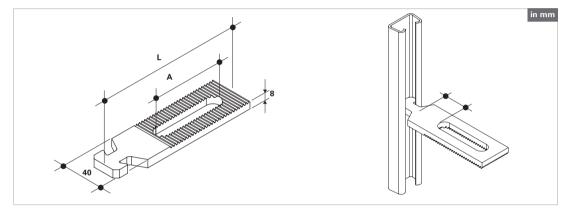
- S = 2 ÷ 6 cm: "U" Bolt VTEL = 100P Ø 12 L = 100
- S = 6 ÷ 10 cm:"U" Bolt VTEL = 140P Ø 12 L = 140



Anti-slipping system

Related to the payload, anti-slipping plates always guarantee greater strenght than the B.S. Italia anchorage profile to which they are fixed.

Code	Туре	L	La	Le	
4034-01.F	110	110	60	22	
4035-01.F	130	130	80	17	
4032-01.F	160	160	80	47	
4031-01.F	210	210	130	47	
4033-01.F	310	310	130	147	

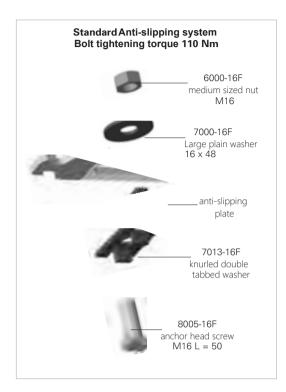


EXAMPLE OF ASSEMBLY



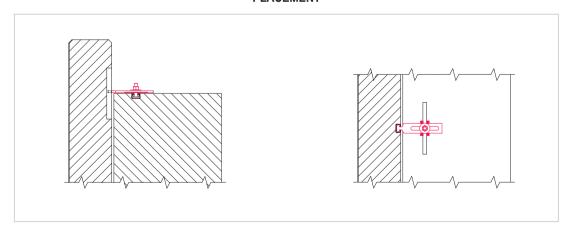


Anti-slipping system





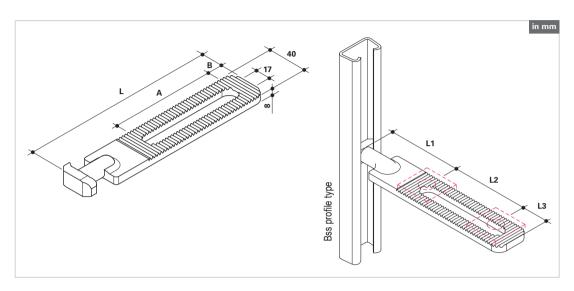
PLACEMENT





ANTI-SLIPPING SYSTEM (knurled plates with special head)

About the payload, the anti-slipping plates always guarantee higher resistances of the B.S. Italia anchorage system with which they mate.



Code	Туре	А	В	L	L1	L2	L3
CV/0184F.	110	45	11	111,5	57,5	21	19
CV/0185F.	160	80	15	161,5	60,5	64	23
CV/0186F.	210	110	15	211,5	80,5	94	23
CV/0187F.	310	110	15	311,5	180,5	94	23

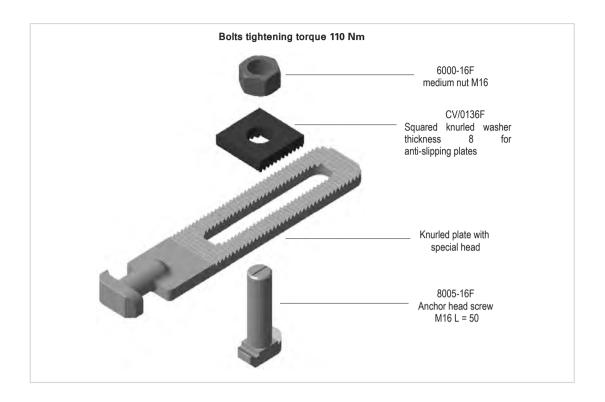
- L1 = Distance of the inner side of the artifacts
 bolt axis in the minimum regulation;
- L2 =Movement allowed with Knurled washer thickness 8;
- L3 =Distance of the bolt axis in the maximum regulation -End of the knurled plate

COMPONENTS

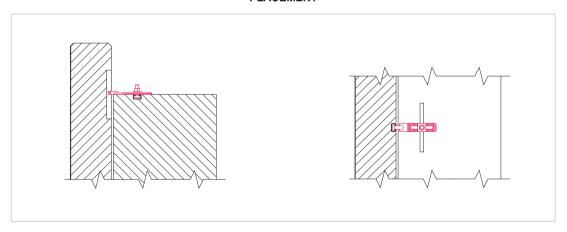




ANTI-SLIPPING SYSTEM (knurled plates with special head)

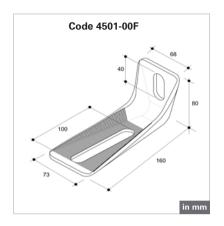


PLACEMENT



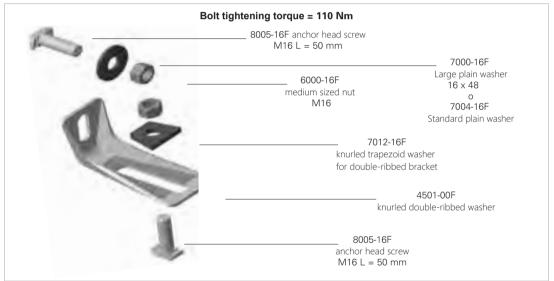


Double-Ribbed Bracket

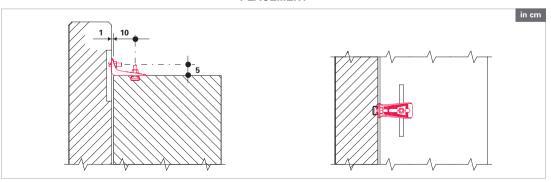


EXAMPLE OF ASSEMBLY





PLACEMENT





for the payload to see table on page 7

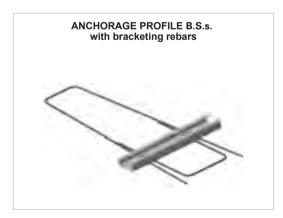
Anchorage components















Anchorage components















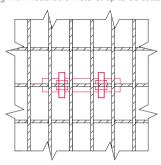
${f C}$ hoice of the anchorage profile

B.S.s. anchorage profile is available with various types of bracketings to suit all the types of dense reinforcement. However it should be reminded that, in all cases, concrete must be Rck $\geq 350\,\text{Kg/cm2}$ well stressed and compacted, with continuous adhesion right across and along the anchor profile.





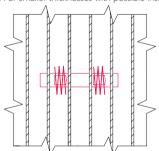
Bracketing with modellable metal strap to be cutted and inserted



ANCHORAGE PROFILE B.S.s. with spirals



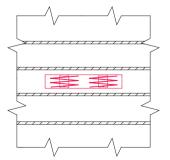
Bracketing with spirals transverses to the profile (shaped stirrups to be inserted). For smaller thicknesses with possible insertion of rebar



ANCHORAGE PROFILE B.S.s. with spirals at 90°



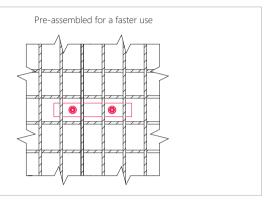
Bracketing with spirals longitudinal to the special anchorage profile for strands



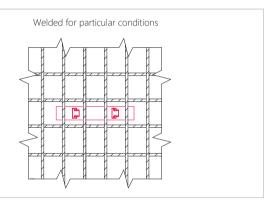


Choice of the anchorage profile

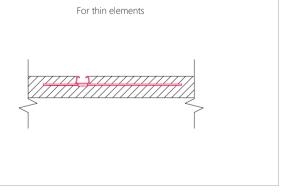








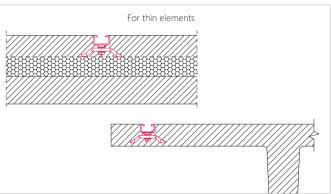




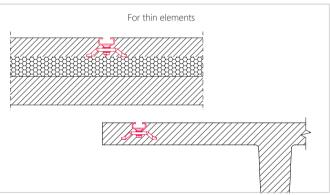


Choice of the anchorage profile

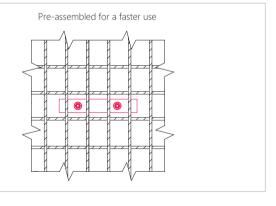






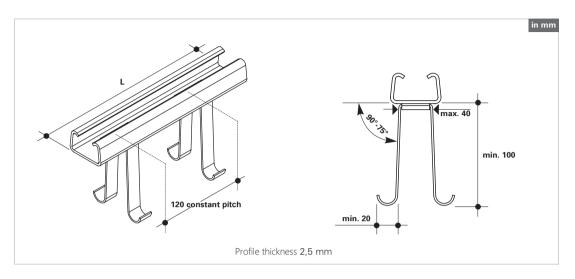




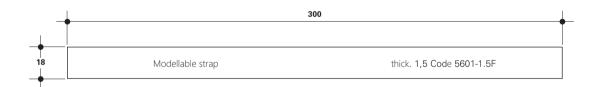




B.S.s. Profile with straps



Code (only profile without strap)	L
5701-024S	240
5701-036S	360
5701-048S	480
5701-096S	960
5701-300S	2880

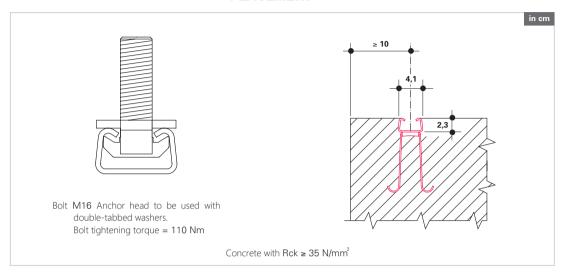


Traction		Shear		Slipping		
S.L.E.	U.L.S.	S.L.E.	U.L.S.	S.L.E.	U.L.S.	
10 kN	15 kN	10 kN	15 kN	2 kN	3 kN	Concentrate paylod (every 24cm)
40kN	60 kN	40 kN	60 kN	8 kN	12 kN	Distribuited paylod (ml)
		Concrete with	Rck ≥35 N/mm²			

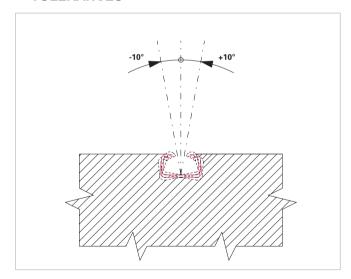


B.S.s. Profile with straps

PLACEMENT

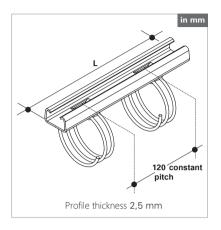


TOLERANCES





B.S.s. profile with spirals

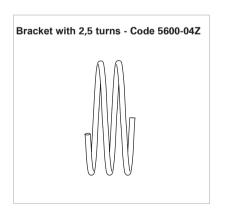


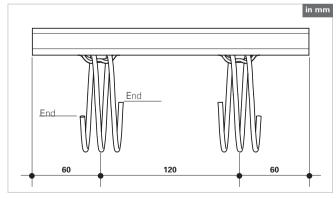
This profile can be used in artifacts with variable thickness, such as tiles and panels with special recesses, or thin elements.

Code (only profile without stirrups	s) L
5701-024S.	240
5701-036S.	360
5701-048S.	480
5701-096S.	960
5701-300S.	2880

	ping	Slip	Shear		Traction		
	U.L.S.	S.L.E. U.L.S.		S.L.E.	U.L.S.	S.L.E.	
Concentrate paylod (every 2	3 kN	2 kN	12 kN	8 kN	12 kN	8 kN	
Distribuited paylod (ml)	12 kN	8 kN	48 kN	32 kN	48 kN	32kN	
			Rck ≥35 N/mm²	Concrete with f			

The best working position for the brackets is the point where the two ends of the spiral are on the axis of the circumference parallel to the profile.

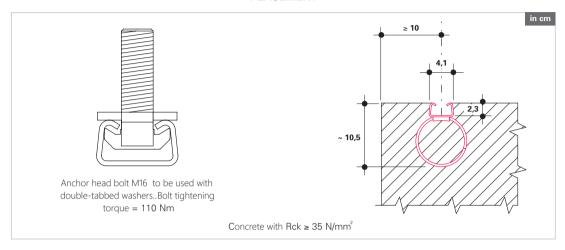






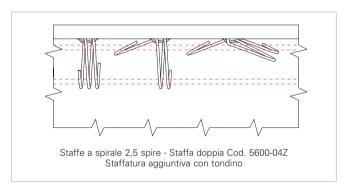
B.S.s. profile with spirals

PLACEMENT

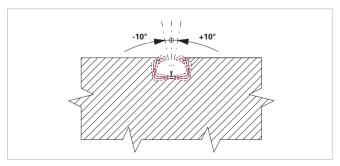


EXTRA BRACKETING

La staffatura aggiuntiva può essere inserita quando ritenuto necessario ma è obbligatoria in spazi ridotti. Essa consiste in almeno un tondino \emptyset 8 SV.=60 cm.

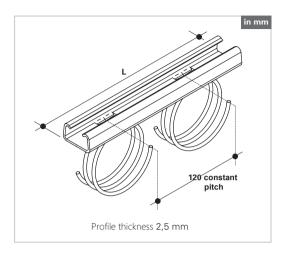


TOLERANCES





B.S.s. profile with spirals at 90°



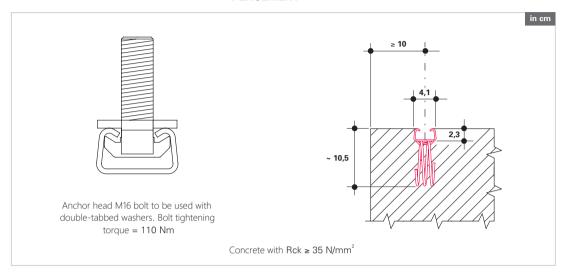
Code (only profile without stirrups)	L
5700-024S	240
5700-036S	360
5700-048S	480
5700-096S	960
5700-300S	2880

Traction		Shear		Slip	ping	
S.L.E.	U.L.S.	S.L.E.	U.L.S.	S.L.E. U.L.S.		
8 kN	12 kN	8 kN	12 kN	2 kN	3 kN	Concentrate paylod (every 24cm)
32kN	48 kN	32 kN	48 kN	8 kN	12 kN	Distribuited paylod (ml)
		Concrete with	Rck ≥35 N/mm ²			

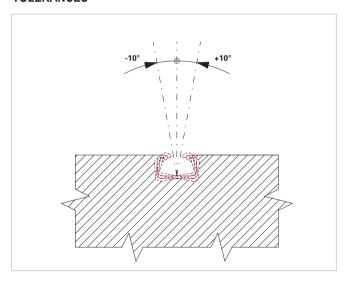


B.S.s. Profile with spirals at 90°

PLACEMENT



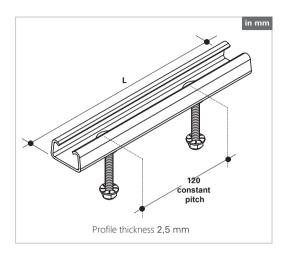
TOLERANCES





40 -

B.S.s. Profile "DIY" WITH LONG AND SHORT SCREWS



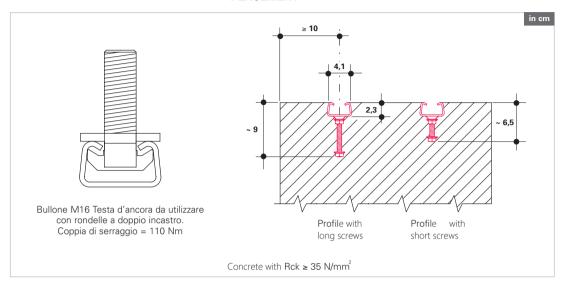
L profile	Profile with long screws	Profile with short screws
240	5710-024S	5711-024S
360	5710-036S	5711-036S
480	5710-048S	5711-048S
960	5710-096S	5711-096S
2880	5710-300S	5711-300S

	Trac	Traction		Shear		pping	
	S.L.E.	U.L.S.	S.L.E.	U.L.S.	S.L.E.	U.L.S.	
Short	10 kN	15 kN	10 kN	15 kN	2 kN	3 kN	Concentrate paylod (every 24cm
screws	40 kN/ml	60 kN/ml	40 kN/ml	60 kN/ml	8 kN/ml	12 kN/ml	Distribuited paylod (ml)
Long	12 kN	18 kN	12 kN	18 kN	2 kN	3 kN	Concentrate paylod (every 24cm
screws	48 kN/ml	72 kN/ml	48 kN/ml	72 kN/ml	8 kN/ml	12 kN/ml	Distribuited paylod (ml)
screws	48 kN/ml		48 kN/ml		8 kN/ml	12 kN/m	1

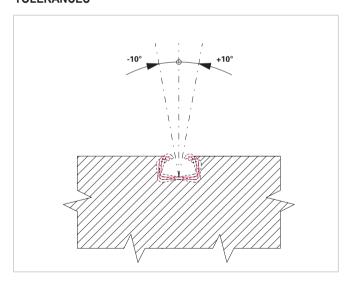


B.S.s. Profile "DIY" WITH LONG AND SHORT SCREWS

PLACEMENT

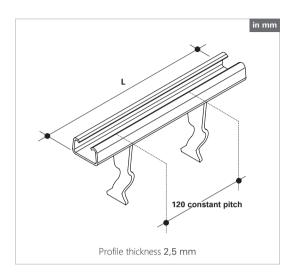


TOLERANCES





B.S.s. Profile with swan-necked stirrups



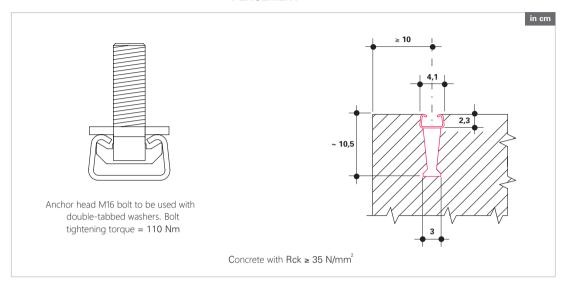
Code	L
5040-024S	240
5040-036S	360
5040-048S	480
5040-096S	960
5040-300S	2880

	Slipping		Shear		Traction	
	S.L.E. U.L.S.		U.L.S.	S.L.E.	U.L.S.	S.L.E.
Concentrate paylod (every 24	3 kN	2 kN 3 kN		8 kN	15 kN	10 kN
Distribuited paylod (ml)	12 kN	8 kN	48 kN	32 kN	60 kN	40kN
Distributed paylod (IIII)	12 kN	22.770	48 kN Rck ≥35 N/mm²		60 KN	IKN

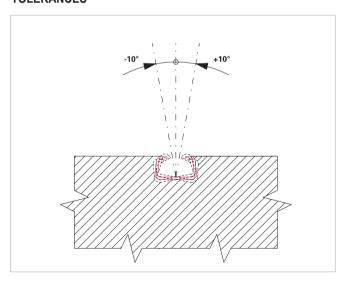


B.S.s. profile with swan-necked stirrups

PLACEMENT



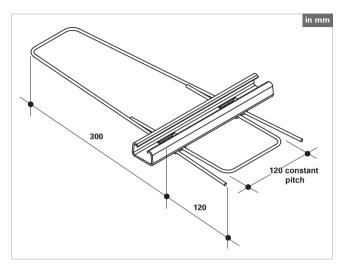
TOLERANCES

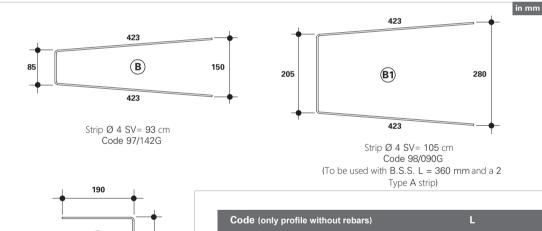




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B.S.s. Profile with Bracketing rebars





Code (only profile without rebars)	L
5701-024S.	240
5701-036S.	360
5701-048S.	480
5701-096S.	960
5701-300S.	2880

Traction		Shear		Slip	oping	
S.L.E.	U.L.S.	S.L.E.	U.L.S.	S.L.E.	U.L.S.	
8 kN	12 kN	8 kN	12 kN	2 kN	3 kN	Concentrate paylod (every 24cm)
32kN	48 kN	32 kN	48 kN	8 kN	12 kN	Distribuited paylod (ml)
		Concrete with	Rck ≥35 N/mm ³			

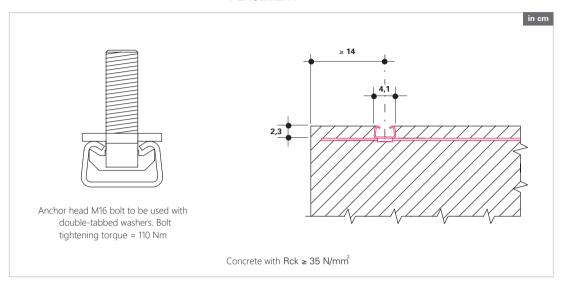


(A)

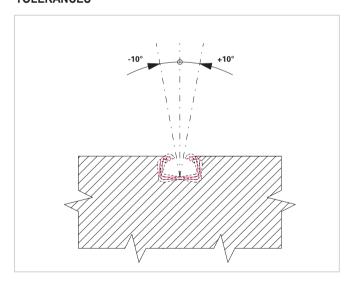
Strip Ø 4 SV= 49 cm Code 98/090P

B.S.s. Profile with Bracketing Rebars

PLACEMENT



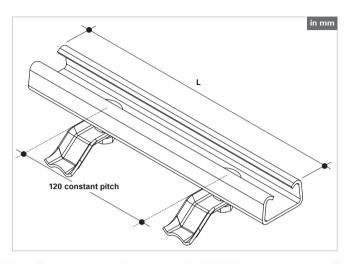
TOLERANCES





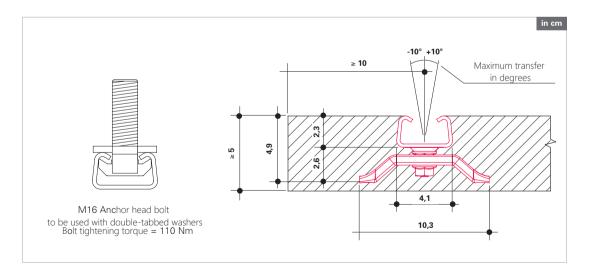
46 -

B.S.s. Profile "root" with shaped stirrups



Code	L
5703-024S	240
5703-036S	360
5703-048S	480
5703-096S	960
5703-300S	2880

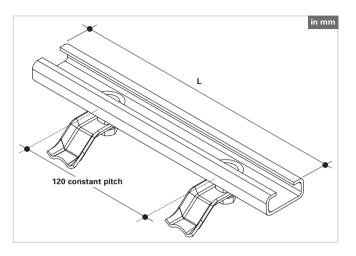
	Slipping		near	St	ction	Tra	
	S.L.E. U.L.S.		U.L.S.	S.L.E.	U.L.S.	S.L.E,	
Concentrate paylod (every 2	3 kN	2 kN	15 kN	10 kN	15 kN	10 kN	
Distribuited paylod (ml)	12 kN	8 kN	60 kN	40 kN	60 kN	40kN	
		12.208	Rck ≥35 N/mm².	38,46,6	25/86	24.90	





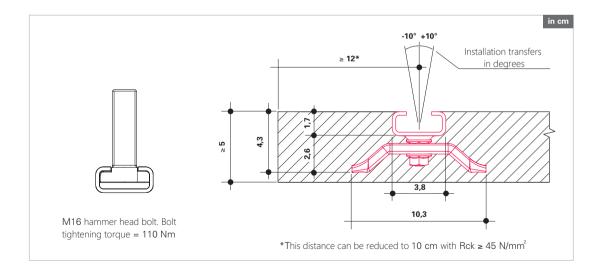
4/

B.S.c. Profile "root" with shaped stirrups



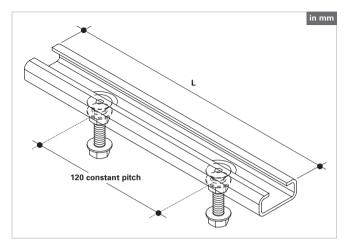
Code	L
5705-024S	240
5705-036S	360
5705-048S	480
5705-096S	960
5705-300S	2880

	ping	Slip	near	Sh	ction	Tra
	U.L.S.	S.L.E.	U.L.S.	S.L.E.	U.L.S.	S.L.E.
Concentrate paylod (every	3 kN	2 kN	12 kN	8 kN	12 kN	8 kN
Distribuited paylod (m	12 kN	8 kN	48 kN	32 kN	48 kN	32kN
			Rck ≥35 N/mm².	Concrete with		



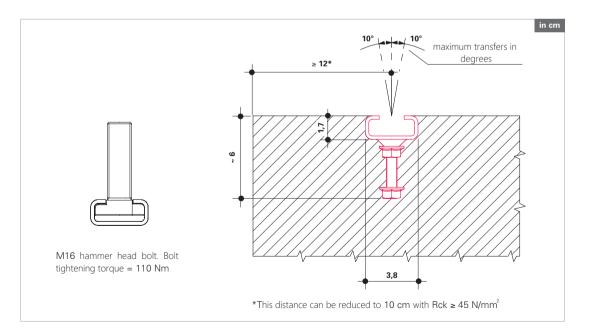


B.S.c. Profile "DIY" WITH SHORT SCREWS



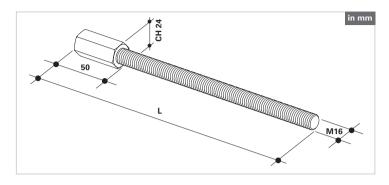
Code	L
5731-024S	240
5731-036S	360
5731-048S	480
5731-096S	960
5731-300S	2880

	zamiento	Despla	orte	Co	cciòn	Tra
	E.L.U.	E.L.E.	E.L.U.	E.L.E.	E.L.U.	E.L.E.
Carga puntual (cada 24cm	3 kN	2 kN	12 kN	8 kN	12 kN	8 kN
Carga distribuida (ml)	12 kN	8 kN	48 kN	32 kN	48 kN	32kN
			Rck ≥35 N/mm²,	Hormigon con		33450





Extension M16

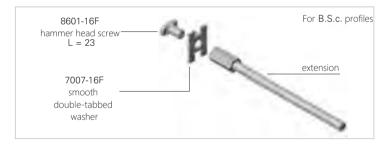


8000-16F anchor head screw L = 23	For B.S.s. profile
7007-16F smooth	extension
double-tabbed washer	

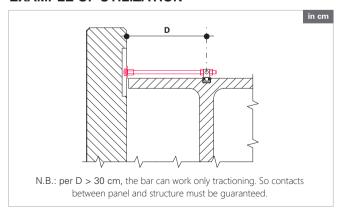
00/077	120
01/087	200
00/037	280
8045-16F	300
96/148	350
8049-16F	450
8048-16F	500
98/013	550
98/089	600
97/099	650
96/146	700
99/011	800
CV/0022	1300
D.C. Italia aan ayanl	

Extension Code

B.S. Italia can supply, upon request, extensions of any lenght.



EXAMPLE OF UTILIZATION





M16 SLIP WASHER

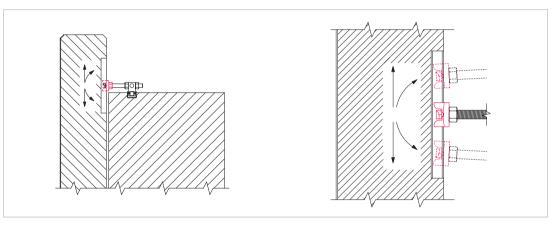


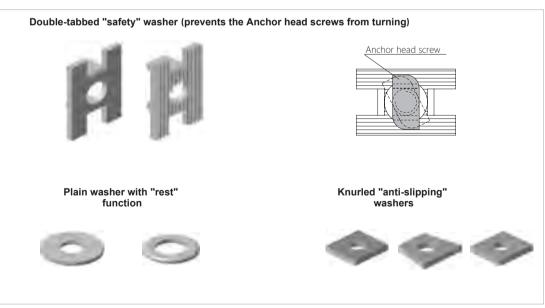
The Slip Washer lets you shift and turn the windbracing system to follow movemets in the concrete element caused by expansion, accidental loads, etc... in other words, it makes for carriage restraint.

It has a dual function:

- Safety: it prevents the anchor head screws for turning.
- Sliding: it allows for expansion and movements between the panel and the structure

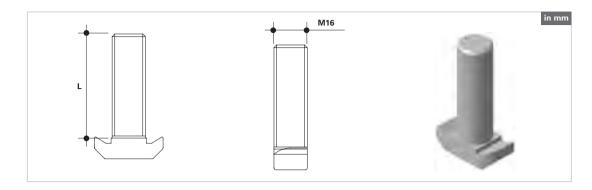
PLACEMENT



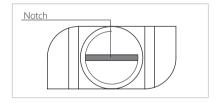


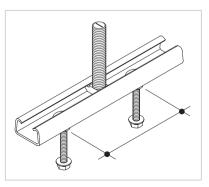


Anchor Head Screw



Code	L
8000-16F*	23
8005-16F*	50
8010-16F*	85
8015-16F*	110
8018-16F*	125
8020-16F*	150
8019-16F*	170
8025-16F*	200
8030-16F*	250

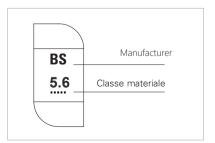




PLACEMENT

The notch at the end of the threaded shaft indicates the position of the screw when inserted in the anchor profile and the anchor head is not visible. (The notch and the screw head are parallel)

Anchor head screws must be used only with B.S. Italia anchorage profiles, in a position within the gap (I) between the two brackets of the profile itself.





Warnings

For any doubt about the correct use of the components described in this manual, please contact:

B.S.Italia S.p.A. • 24050 Zanica (BG) • Via Stezzano, 16 tel +39 035 671746 • fax +39 035 672265 www.bs-italia.it • tecnico@bs-italia.191.it

WEI DINGS OR MODIFICATIONS

Weldings or modifications of any component of the REGOLABILI system are not permitted where this may cause a reduction in payload, changes to the technical features of the materials or lead to unsafe working conditions. B.S. Italia cannot be responsible for any damage or injury as the result of modifications to its products or individual components.

REPLACING OR EXCHANGING OF THE COMPONENTS

The products that B.S. Italia manufactures and supplies are designed as part of an inseparable system for the windbracing of pre-assembled / pre-stressed concrete elements.

So spare parts manufactured by third parts are not authorized.

DESIGN MODIFICATIONS

B.S. Italia reserves the right of change the design of the components and / or accessories and / or payloads at anytime, without prior notice.

CALCULATIONS

For inserts and reinforcements is necessary to follow strictly the indications stated in this manual. In any case the concrete artifact designer is responsible for the choice of the correct component in REGOLABILI system, related to the application and the stresses in question.

For each design, in accordance with local regulations, an individual must be appointed as responsiblefor the safety of the workplace. A detailed assembly plan must be issued and followed. This manual should always be present and available on site and handed to the relevant managers: in production, storage and on site.





Description	Code
Vise Block	
	4000-0.3F



Anti-Slipping plate	
L = 110	4034-01.F
L = 160	4032-01.F
L = 210	4031-01.F
L = 310	4033-01.F



Knurled washer thickness 8 mm	
For anti-slipping plate	CV0136F



Clamp	
1000 Kg	PINZA-SUZ



"U" Bolt	
Ø 12 L = 140	15/011



B.S.s. Profile (to be used with straps, spirals or rebars)	
L = 240	5701-024S.
L = 360	5701-036S.
L = 480	5701-048S.
L = 960	5701-096S.
L = 2880	5701-300S.





Description	Code
B.S.s. Profile with plackets at 90° (to be used only with spirals)	
L = 240	5700-024S
L = 360	5700-036S
L = 480	5700-048S
L = 960	5700-096S
L = 2880	5700-300S



Modellable strap for B.S.s. profile	
Sp.1,5 mm	5601-1.5F



Strip	
Ø 4 SV= 49 cm	98/090P



Strip	
Ø 4 SV= 93 cm	97/142G



Strip	
Ø 4 SV= 105cm	98/090G



Spiral Bracket for B.S.s. profile	
2,5 spire	5600-04Z



B.S.s. profile with swan-necked stirrups		
L = 240	5040-024C	
L = 360	5040-036C	
L = 480	5040-048C	
L = 960	5040-096C	
L = 2880	5040-300C	



B.S.s. Profile "DIY" with short screws	
L = 240	5711-024S
L = 360	5711-036S
L = 480	5711-048S
L = 960	5711-096S
L = 2880	5711-300S





Description	Code	
B.S.s.profile DIY with long screws		
L = 240	5710-024S	
L = 360	5710-036S	
L = 480	5710-048S	
L = 960	5710-096S	
L = 2880	5710-300S	



B.S.s. profile Root with shaped stirrups	
L = 240	5703-024S
L = 360	5703-036S
L = 480	5703-048S
L = 960	5703-096S
L = 2880	5703-300S



M16 Anchor head screw (for B.S.s. profiles)		
L = 23	8000-16F*	
L = 50	8005-16F*	
L = 85	8010-16F*	
L = 110	8015-16F*	
L = 125	8018-16F*	
L = 150	8020-16F*	
L = 170	8019-16F*	
L = 200	8025-16F*	
L = 250	8030-16F*	



B.S.c. profile Root with shaped stirrups	
L = 240	5705-024S
L = 360	5705-036S
L = 480	5705-048S
L = 960	5705-096S
L = 2880	5705-300S





Description	Code
B.S.c. profile DIY with short screws	
L = 240	5731-024S
L = 360	5731-036S
L = 480	5731-048S
L = 960	5731-096S
L = 2880	5731-300S



M16 Hammer head screw (for B.S.c. profiles)	
L = 23	8601-16F
L = 28	8603-16F
L = 35	8606-16F
L = 50	8600-16F
L = 85	8605-16F
L = 110	8610-16F
L = 125	8618-16F
L = 150	8621-16F
L = 200	8615-16F



Double-ribbed bracket	
	4501-00.F



Washers	
Knurled trapezoid washer for double-ribbed brack.	7012-16F



T.S.z. Hidden tube	
	2300-1.5F



T.S.e. Hidden tube	
	2301-1.5F





Description	Code
T.S.z.(O) Hidden tube	
	2302-1.5F



Washers	
Knurled washer for T.S.z.(O)	7009-16F



T.S.u. Hidden tube	
	2303-1.5F



Corrector for hidden tubes	
	CV/0021F



M16 Screw	
L = 100	VTE 16 x 100F



Nut	
Medium sized nut M12	6000-12F
Medium sized nut M16	6000-16F



Form for hidden tubes	
Metallic form	2100-00.V
Polystyrene form	2100-02.P





Description	Code
M16 Extension	
L = 120	00/077F
L = 200	01/087F
L = 280	00/037F
L = 300	8045-16F
L = 350	96/148F
L = 450	8049-16F
L = 500	8048-16F
L = 550	98/013F
L = 600	98/089F
L = 650	97/099F
L = 700	96/146F
L = 800	99/011F
L = 1300	CV/0022F







Washers	
Large plain washer 16 x 48 mm	7000-16F



Washers	
Small plain washer 16 x 30 x 3 mm	7004-16F



Washers	
Slip washer M16	7003-16F



