



BSB



BSB

Con Bullone 8.8 > With Bolt 8.8 > Avec Boulon 8.8 > Mit Bolzen 8.8



BSBX2 inox

Con bullone > With bolt > Avec boulon > Mit bolzen



FBS

Con filettatura interna > Threaded inside
Avec filetage interne > Mit innengewinde



FBS inox

Con filettatura interna > Threaded inside
Avec filetage interne > Mit innengewinde



> Materiale > Material > Matériel > Material



TASSELLO/CONO/RONDELLA: Acciaio zincato bianco
ANCHORS/CONE/WASHER: White zinc plated steel
CHEVILLES/CONE/RONDELLE: Acier zingué blanc
DÜBEL/KEGEL/SCHEIBE: Blau/Weiß Verzinkter Stahl



Distanziatore > Spacer
Entretoise > Distanzstück



TASSELLO/CONO/RONDELLA: Inox A2 AISI 304 / Inox A4 AISI 316
ANCHORS/CONE/WASHER: Inox A2 AISI 304 / Inox A4 AISI 316
CHEVILLES/CONE/RONDELLE: Inox A2 AISI 304 / Inox A4 AISI 316
DÜBEL/KEGEL/SCHEIBE: Inox A2 AISI 304 / Inox A4 AISI 316

> Applicazioni > Applications > Applications > Anwendungen

BSB / BSBX2 inox



Edilizia Civile Pesante
Heavy Building
Construction
Construction Civile
Lourde
Schweres Zivilbau-
wesen



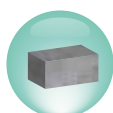
Edilizia Industriale
Pesante
Heavy Industrial
Construction
Construction Industriel
Lourde
Schweres
Industriebauwesen



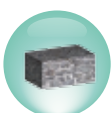
Settore Elettrico
Pesante
Heavy Electricity Area
Secteur Electrique
Lourd
Schweres
Elektrischenwesen



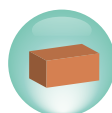
Settore Idraulico
e Lattoneria pesante
Heavy Hydraulic and
Tilling Area
Secteur lourde Hydraulique
et Ferblanterie
Starke Hydraulikwesen
und Blecharbeiten



Calcestruzzo C20/25
Concrete C20/25
Beton C20/25
Beton C20/25



Pietra
Stone
Pierre
Stein



Mattone pieno
Solid Brick
Brique pleine
Vollmauerwerk



Presenza d'acqua
Water in place
Eau sur place
Wasser in Platz



Ambiente Urbano Medio
Inquinamento
Middle Urban Pollution
Moyenne Pollution en Ville
Mittlere
Stadtverschmutzung

FBS / FBS inox



Edilizia Civile Leggera
Light Building
Construction
Construction Civile
Legère
Leichtes Zivilbauwesen



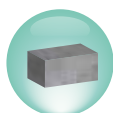
Edilizia Industriale
Leggera
Light Industrial
Construction
Construction Industriel
Legère
Leichtes
Industriebauwesen



Settore Elettrico
Leggero
Light Electricity Area
Secteur Electrique
Léger
Leichtes
Elektrischenwesen



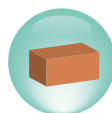
Settore Idraulico e
Lattoneria
Hydraulic and Tilling Area
Secteur Hydraulique et
Ferblanterie
Leichte Hydraulikwesen
und Blecharbeiten



Calcestruzzo C20/25
Concrete C20/25
Beton C20/25
Beton C20/25



Pietra
Stone
Pierre
Stein



Mattone pieno
Solid Brick
Brique pleine
Vollmauerwerk

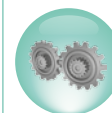


Presenza d'acqua
Water in place
Eau sur place
Wasser in Platz



Ambiente Urbano Medio
Inquinamento
Middle Urban Pollution
Moyenne Pollution en Ville
Mittlere
Stadtverschmutzung

BSBX2 inox FBS inox

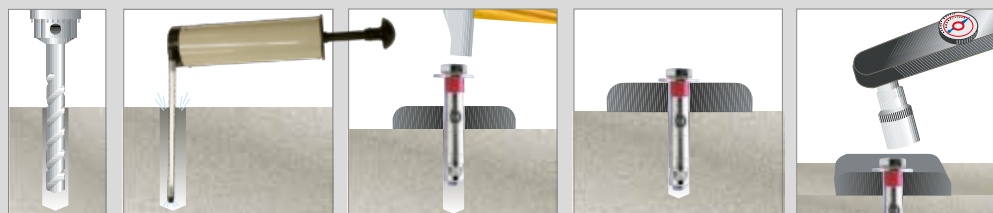


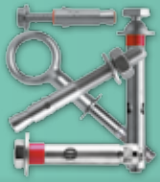
Ambiente Industriale
Industry Area
Zone Industrielle
Industriebereich



Ambiente Urbano
Alto Inquinamento
Heavy Urban Pollution
Grande Pollution en Ville
Starke Stadtversch-
mutzung

PROCEDURA DI INSTALLAZIONE INSTALLATION PROCEDURE PROCÉDURE D'INSTALLATION INSTALLATIONSVERFAHREN



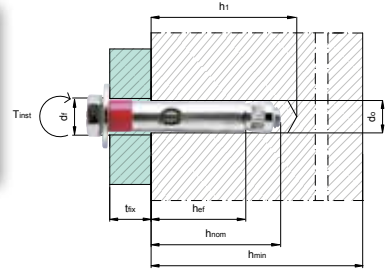


SCHEDA TECNICA TECHNICAL DATA SHEET FICHE TECHNIQUE TECHNISCHES DATENBLATT

> Dati tecnici > Technical data > Données techniques > Technische Angaben

LEGEND

d [mm]	Diametro filettatura > Thread diameter > Diamètre du filetage > Gewindedurchmesser
d _{nom} [mm]	Diametro esterno ancorante > Outside diameter of anchor > Diamètre externe d'ancrage > Außendurchmesser des dübels
L _s [mm]	Lunghezza sottotesta > Underhead length > Longueur sous-tête > Unterkopf Länge
t _{fix} [mm]	Spessore fissabile (max) > Fixture thickness (max) > Épaisseur fixable (max) > Max. Anbauteildicke



BSB




Con Bullone 8.8 > With bolt 8.8
Avec boulon 8.8 > Mit Bolzen 8.8

CODICE CODE	ARTICOLO ITEM	DIAM. FILETTATURA THREAD DIAM.	DIAM. ESTERNO ANCORANTE OUTSIDE DIAM. OF ANCHOR	LUNGHEZZA SOTTOTESTA UNDERHEAD LENGTH	SPESORE FISSABILE MAX FIXTURE THICKNESS	
	BSB	d [mm]	d _{nom} [mm]	L _s [mm]	t _{fix} [mm]	Nr.
811100	BSB 10-45	M6	10	45	5	200
811101	BSB 10 L 60	M6	10	60	20	200
811104	BSB 10-80	M6	10	80	40	100
811120	BSB 12-60	M8	12	60	10	50
811127	BSB 12-70	M8	12	70	20	50
811121	BSB 12 L 80	M8	12	80	30	50
811130	BSB 12-90	M8	12	90	40	50
811131	BSB 12-100	M8	12	100	50	50
811147	BSB 12-120	M8	12	120	70	50

BSBX2 inox




Con Bullone > With bolt
Avec boulon > Mit Bolzen

	ARTICOLO ITEM	d [mm]	d _{nom} [mm]	L [mm]	t _{fix} [mm]	Nr.
	BSBX2	d [mm]	d _{nom} [mm]	L [mm]	t _{fix} [mm]	Nr.
811710	BSBX2 10-45	M6	10	45	5	100
811711	BSBX2 10 L 60	M6	10	60	20	100
811712	BSBX2 12-60	M8	12	60	10	50
811713	BSBX2 12 L 80	M8	12	80	30	50

FBS





Con filettatura interna > Threaded inside
Avec filetage interne > Mit innengewinde

CODICE CODE	ARTICOLO ITEM	DIAM. FILETTATURA THREAD DIAM.	DIAM. ESTERNO ANCORANTE OUTSIDE DIAM. OF ANCHOR	LUNGHEZZA SOTTOTESTA UNDERHEAD LENGTH	SPESORE FISSABILE MAX FIXTURE THICKNESS	
	FBS	d [mm]	d _{nom} [mm]	L [mm]	t _{fix} [mm]	Nr.
811307	FBS 6/10	M6	10	45	-	100
811309	FBS 8/12	M8	12	50	-	100

FBS inox



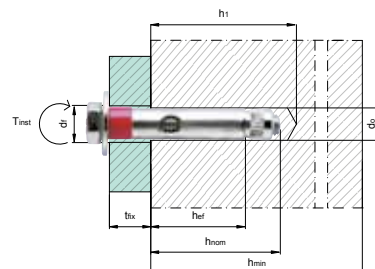
Filettatura interna > Threaded inside
Filetage interne > Innengewinde

	FBS inox	d [mm]	d _{nom} [mm]	L [mm]	t _{fix} [mm]	Nr.
811906	FBS 6/10 X2	M6	10	45	-	100
811908	FBS 8/12 X2	M8	12	50	-	100
811910	FBS 8/12 X4 	M8	12	50	-	100



> Dati installazione > Installation data > Données de installation > Installationsangaben

D	h_{min} [mm]	Spessore minimo del supporto > Minimum thickness of base material > Épaisseur minimal du matière base Mindestbauteildicke
	d_o [mm]	Diametro foro > Hole diameter > Diamètre du trou > Bohrenendurchmesser
M	h_1 [mm]	Profondità del foro > Hole depth > Profondeur du trou > Bohrlochtiefe
	h_{nom} [mm]	Profondità di inserimento > Embedment depth > Profondeur d'enfocé > Setztiefe
E	h_{ef} [mm]	Profondità effettiva ancoraggio > Effective anchorage depth > Profondeur efficace d'ancrage > Effektive Verankerungstiefe
	S_{cr} [mm]	Interasse caratteristico > Characteristic spacing > Entraxe caracteristique > Charakteristische Achsabstand
G	C_{cr} [mm]	Distanza dal bordo caratteristica > Characteristic edge distance > Distance du bord caracteristique Charakteristische Randabstand
	S_{min} [mm]	Interasse minimo > Minimum allowable spacing > Entraxe minimale > Minimaler Achsabstand
	C_{min} [mm]	Distanza minima dal bordo > Minimum allowable edge distance > Distance du bord minimale > Minimaler Randabstand
E	d_f [mm]	Diametro foro spessore fissabile > Diameter of clearance hole in the fixture > Diamètre du trou de épaisseur fixable Durchgangloch im Anbauteil
	S_w [mm]	Chiave > Key > Clef > Schlüsselweite
L	T_{inst} [Nm]	Coppia di serraggio > Installation torque > Couple de serrage > Drehmoment beim Verankern



BSB



Con Bullone 8.8 > With bolt 8.8
Avec boulon 8.8 > Mit Bolzen 8.8

CODICE CODE	ARTICOLO ITEM	SPESSORE MIN SUPPORTO MIN THICKNESS BASE MATERIAL	DIAM. FORO HOLE DIAM.	PROFONDITÀ DEL FORO HOLE DEPTH	PROFONDITÀ DI INSERIMENTO EMBEDMENT DEPTH	PROFONDITÀ EFFETTIVA ANCORAGGIO EFFECTIVE ANCHORAGE DEPTH	INTERASSE CARATTERISTICO CHARACTERISTIC SPACING	DISTANZA DAL BORDO DEL FORO CHARACTERISTIC EDGE DISTANCE	INTERASSE MIN ALLOWABLE SPACING	DISTANZA MIN DAL BORDO MIN ALLOWABLE EDGE DISTANCE	DIAM. FORO SPESSORE FISSABILE DIAM. CLEARANCE HOLE IN THE FIXTURE	CHIAVE KEY	COPPIA DI SERRAGGIO INSTALLATION TORQUE
	BSB	h_{min} [mm]	d_o [mm]	h_1 [mm]	h_{nom} [mm]	h_{ef} [mm]	S_{cr} [mm]	C_{cr} [mm]	S_{min} [mm]	C_{min} [mm]	d_f [mm]	S_w [mm]	T_{inst} [Nm]
811100	BSB 10-45	80	10	45	40	30	120	60	45	45	12	10	10
811101	BSB 10 L 60	80	10	45	40	30	120	60	45	45	12	10	10
811104	BSB 10-80	80	10	45	40	30	120	60	45	45	12	10	10
811120	BSB 12-60	100	12	60	50	40	150	75	60	60	14	13	25
811127	BSB 12-70	100	12	60	50	40	150	75	60	60	14	13	25
811121	BSB 12 L 80	100	12	60	50	40	150	75	60	60	14	13	25
811130	BSB 12-90	100	12	60	50	40	150	75	60	60	14	13	25
811131	BSB 12-100	100	12	60	50	40	150	75	60	60	14	13	25
811147	BSB 12-120	100	12	60	50	40	150	75	60	60	14	13	25

BSBX2 inox



Con Bullone > With bolt
Avec boulon > Mit Bolzen

CODICE CODE	ARTICOLO ITEM	SPESSORE MIN SUPPORTO MIN THICKNESS BASE MATERIAL	DIAM. FORO HOLE DIAM.	PROFONDITÀ DEL FORO HOLE DEPTH	PROFONDITÀ DI INSERIMENTO EMBEDMENT DEPTH	PROFONDITÀ EFFETTIVA ANCORAGGIO EFFECTIVE ANCHORAGE DEPTH	INTERASSE CARATTERISTICO CHARACTERISTIC SPACING	DISTANZA DAL BORDO DEL FORO CHARACTERISTIC EDGE DISTANCE	INTERASSE MIN ALLOWABLE SPACING	DISTANZA MIN DAL BORDO MIN ALLOWABLE EDGE DISTANCE	DIAM. FORO SPESSORE FISSABILE DIAM. CLEARANCE HOLE IN THE FIXTURE	CHIAVE KEY	COPPIA DI SERRAGGIO INSTALLATION TORQUE
	BSBX2	h_{min} [mm]	d_o [mm]	h_1 [mm]	h_{nom} [mm]	h_{ef} [mm]	S_{cr} [mm]	C_{cr} [mm]	S_{min} [mm]	C_{min} [mm]	d_f [mm]	S_w [mm]	T_{inst} [Nm]
811710	BSBX2 10-45	80	10	45	40	30	120	60	45	45	12	10	10
811711	BSBX2 10 L 60	80	10	45	40	30	120	60	45	45	12	10	10
811712	BSBX2 12-60	100	12	60	50	40	150	75	60	60	14	13	25
811713	BSBX2 12 L 80	100	12	60	50	40	150	75	60	60	14	13	25



SCHEDA TECNICA TECHNICAL DATA SHEET FICHE TECHNIQUE TECHNISCHES DATENBLATT

FBS




Con filettatura interna > Threaded inside
Avec filetage interne > Mit innengewinde

CODICE CODE	ARTICOLO ITEM	SPESSORE MIN SUPPORTO MIN THICKNESS BASE MATERIAL	DIAM. FORO HOLE DIAM.	PROFONDITÀ DEL FORO HOLE DEPTH	PROFONDITÀ DI INSERIMENTO EMBEDMENT DEPTH	PROFONDITÀ EFFETTIVA ANCORAGGIO EFFECTIVE ANCHORAGE DEPTH	INTERASSE CARATTERISTICO CHARACTERISTIC SPACING	DISTANZA DAL BORDO CARATTERISTICA CHARACTERISTIC EDGE DISTANCE	INTERASSE MIN ALLOWABLE SPACING	DISTANZA MIN DAL BORDO MIN ALLOWABLE EDGE DISTANCE	DIAM. FORO SPESSORE FISSABILE DIAM. CLEARANCE HOLE IN THE FIXTURE	CHIAVE KEY	COPPIA DI SERRAGGIO INSTALLATION TORQUE
	FBS	h_{min} [mm]	d_0 [mm]	h_1 [mm]	h_{nom} [mm]	h_{ef} [mm]	S_{cr} [mm]	C_{cr} [mm]	S_{min} [mm]	C_{min} [mm]	d_f [mm]	S_w [mm]	T_{inst} [Nm]
811307	FBS 6/10	80	10	50	45	39	135	67,5	58,5	58,5	7	-	-
811309	FBS 8/12	100	12	60	50	44	150	75	66	66	9	-	-

FBS inox



Filettatura interna > Threaded inside
Filetage interne > Innengewinde

CODICE CODE	ARTICOLO ITEM	SPESSORE MIN SUPPORTO MIN THICKNESS BASE MATERIAL	DIAM. FORO HOLE DIAM.	PROFONDITÀ DEL FORO HOLE DEPTH	PROFONDITÀ DI INSERIMENTO EMBEDMENT DEPTH	PROFONDITÀ EFFETTIVA ANCORAGGIO EFFECTIVE ANCHORAGE DEPTH	INTERASSE CARATTERISTICO CHARACTERISTIC SPACING	DISTANZA DAL BORDO CARATTERISTICA CHARACTERISTIC EDGE DISTANCE	INTERASSE MIN ALLOWABLE SPACING	DISTANZA MIN DAL BORDO MIN ALLOWABLE EDGE DISTANCE	DIAM. FORO SPESSORE FISSABILE DIAM. CLEARANCE HOLE IN THE FIXTURE	CHIAVE KEY	COPPIA DI SERRAGGIO INSTALLATION TORQUE
	FBS inox	h_{min} [mm]	d_0 [mm]	h_1 [mm]	h_{nom} [mm]	h_{ef} [mm]	S_{cr} [mm]	C_{cr} [mm]	S_{min} [mm]	C_{min} [mm]	d_f [mm]	S_w [mm]	T_{inst} [Nm]
811906	FBS 6/10 X2	80	10	50	45	39	135	67,5	58,5	58,5	7	-	-
811908	FBS 8/12 X2	100	12	60	50	44	150	75	66	66	9	-	-
811908	FBS 8/12 X4 	100	12	60	50	44	150	75	66	66	9	-	-

NOTA. Dati tecnici, di installazione e di carico possono essere oggetto di revisione. Per una versione aggiornata consultare le schede tecniche sul sito www.bossong.com o contattare il nostro Ufficio Tecnico.

WARNING. Installation and loads technical data can be modified by us. For update technical data sheet see www.bossong.com or be in contact with our Technical Office.

NOTE. Données techniques, d'installation et de charge peuvent être objet de révision. Pour une version mise à jour, consulter les fiches techniques dans le site internet www.bossong.com ou contacter notre Bureau Technique.

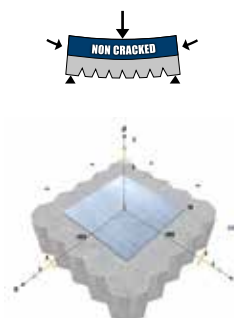
ANMERKUNG. Technische Daten, Installationsangaben und Lastdaten können modifiziert werden. Für die aktualisierte Version sind die technischen Blätter auf der Webseite www.bossong.com nachzuschauen, oder unser Technisches Büro soll konsultiert werden.

SCHEDA TECNICA TECHNICAL DATA SHEET FICHE TECHNIQUE TECHNISCHES DATENBLATT



> Dati carico > Load data > Données de charge > Lastdaten

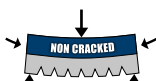
D	$f_{ck}/f_{ck,cube}$ [N/mm ²]	Classe calcestruzzo > Concrete > Beton > Beton
N	N_{Rum} [kN]	Carico ultimo medio a trazione > Average ultimate tension load > Charge maximum moyenne de traction > Durchschnittliche Zuglast
V	V_{Rum} [kN]	Carico ultimo medio a taglio > Average ultimate shear load > Charge maximum moyenne de cisaillement > Durchschnittliche Querlast
N	N_{rec} [kN]	Carico ammissibile a trazione > Admissible tensile load > Charge admissible de traction > Zulässige Zuglast
V	V_{rec} [kN]	Carico ammissibile a taglio > Admissible shear load > Charge admissible de cisaillement > Zulässige Querlast
M	M_{rec} [Nm]	Momento flettente ammissibile > Admissible bending moment > Moment fléchissant conseillé > Empfohlene Biegemoment



- > Carichi validi per singolo ancorante senza influenza di interasse e distanza dal bordo e $h \geq 2h_{ef}$ > 1kN = 100 Kg
- > Loads for single anchor with no influence of spacing and edge distance and with $h \geq 2h_{ef}$
- > Charges valables pour chaque ancrage sans influence d'interaxe et distance du bord et $h \geq 2h_{ef}$
- > Passende Ringe für den einzelnen Veranker, ohne Achsenabstandseinfluss und des Randabstands und $h \geq 2h_{ef}$

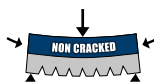
- > Azione di taglio non diretta verso il bordo > Coefficiente di sicurezza globale incluso > Coefficiente lato carichi utilizzato = 1,4
- > Shear directed away from the edge > General safety factor included > Load increasing safety coefficient used = 1,4
- > Action de cisaillement pas dirigée vers le bord > Coefficient de sécurité générale inclu > Coefficient côté charge utilisé = 1,4
- > Queraktion nicht an den Rand gerichtet > Generelle Sicherheitskoeffizient inbegriffen > Verwendeter Lasterhöhungssicherheitskoeffizient = 1,4

BSB



ARTICOLO ITEM	CLASSE CALCESTRUZZO CONCRETE	CARICO ULTIMO MEDIO A TRAZIONE AVERAGE ULTIMATE TENSION LOAD	CARICO ULTIMO MEDIO A TAGLIO AVERAGE ULTIMATE SHEAR LOAD	CARICO AMMISSIBILE A TRAZIONE ADMISSIBLE TENSILE LOAD	CARICO AMMISSIBILE A TAGLIO ADMISSIBLE SHEAR LOAD
BSB	$f_{ck}/f_{ck,cube}$ [N/mm ²]	N_{Rum} [kN]	V_{Rum} [kN]	N_{rec} [kN]	V_{rec} [kN]
BSB 10	C20/25	6,0	8,0	2,0	3,8
BSB 12	C20/25	12,0	14,7	4,0	7,0

BSBX2 inox



ARTICOLO ITEM	CLASSE CALCESTRUZZO CONCRETE	CARICO ULTIMO MEDIO A TRAZIONE AVERAGE ULTIMATE TENSION LOAD	CARICO ULTIMO MEDIO A TAGLIO AVERAGE ULTIMATE SHEAR LOAD	CARICO AMMISSIBILE A TRAZIONE ADMISSIBLE TENSILE LOAD	CARICO AMMISSIBILE A TAGLIO ADMISSIBLE SHEAR LOAD
BSBX2	$f_{ck}/f_{ck,cube}$ [N/mm ²]	N_{Rum} [kN]	V_{Rum} [kN]	N_{rec} [kN]	V_{rec} [kN]
BSBX2 10	C20/25	6,0	5,0	2,0	2,4
BSBX2 12	C20/25	12,0	9,2	4,0	4,4