DOMA©

ONE STEP BEYOND

Rebar reinforcement systems and Rebend connection systems

Company Profile

DOMA was established in 1996 as a natural continuation of the activity of the engineering and commercial agency established in 1987 by Eng. Victor Steinberg, with the aim of providing the Israeli construction industry with engineering solutions and the use of sub-systems to industrialize construction.

DOMA is a family company managed by Michael and Dror Steinberg.

The company is engaged in the production, import and distribution of engineering products to improve, streamline and economize construction processes, while providing service and technical support for its products.

DOMA is a pioneer in the application of advanced methods and the use of engineering products that are common overseas, such as Rebend Connections, male and female Coupler Systems, provides reliable and efficient solutions for all connections of reinforcement bars, inserts and lifting anchors for prefabricated concrete elements, expansion joint covers, mechanical accessories for dry fixed stones for cladding of walls, etc.

DOMA is ISO 9001:2015 certified in the fields of: import, production and marketing, development and planning of engineering products for the construction industry.

DOMA manufactures by outsourcing a large number of products and private brands, using advanced technologies based on licenses from various manufacturers worldwide.

DOMA has a technical department designed to assist the planner and contractor in providing advanced solutions for execution, while using the company's products correctly and streamlining the construction process by using the company's products.

DOMA frequently holds seminars for engineers, supervisors, contractors and company teams.

Apart from the products manufactured by DOMA, DOMA exclusively represents world-renowned companies specializing in the production of engineering products: that comply with the strictest European and American quality standards, including the following companies:

HALFEN-LEVIAT (Germany)	The world's oldest and leading company in the production of anchoring channels, connection systems using screws for prefabricated concrete elements and curtain walls. Lifting anchors for FRIMEDA and DEHA.
ANCON-LEVIAT (GB)	A company specializing in Rebar reinforcement connection systems, holding a world patent for quick connection of steel rebars.
PFEIFER (Germany)	Manufacturer of inserts for lifting and transporting prefabricated products.
HAZ METAL (Turkey)	A company specializing in the production of stone anchoring accessories for dry fixed cladding and cast in channels systems using channels and T-head bolts.
BUZON (Belgium)	The company invented the method of external support pedestals for floating stone floors, as well as steel and fiberglass grids
NEO (Turkey)	A company specializing in the production of plastic spacers
GURBETCILER (Turkey)	A company specializing in the production of plastic spacers
C/S GROUP (USA)	The world's leading company in the field of expansion joint covers for earthquake joints.

Below is a partial list of the products that the Doma offers to its customers:

- Continuing box CBOX For casting interruption and continuity
- Male and female mechanical connectors for extending rebars BMS / DBAR / UPSET / MBT
- Inserts for fixing, connecting, lifting and transporting prefabricated elements
- Lifting and transporting anchors for prefabricated elements
- Plastic and concrete spacers, spacers between steel meshes DomaNet
- DYWIDAG bars, wing-nuts and other complementary accessories for industrial formworks
- Hooks (pins) made of stainless steel 316 only for fixing stone slabs using the "Barnowitz" method and wet cladding
- Accessories for anchoring stone slabs using the dry cladding method

Engineer Michael Steinberg,
joint CEO

Mr. Dror Steinberg,
joint CEO

Rebar reinforcement system and Rebend connection systems

CBOX Rebend connections — unit length 125 cm

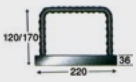
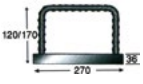
Usage: CBOX Rebend connections are used for efficient connection of concrete components which are poured in different phases and then connected.

Description: The casing is made of corrugated galvanized steel sheet with carton / steel sheet of the cover. It can be fixed to the formwork with nails or secured with tie wire to the reinforcement using bent rebars diameters of 8, 10, 12 mm. The standard length of the boxes is 1250 mm and depth 36 mm

Assembly method: Marking the location of the box on the mold. The box can be connected by tying the box to rebars or by nailing the box to the mold. After disassembling the mold, remove the carton / steel cover and straighten the rebars using a special tool or a pipe.

Advantages: Savings in labor costs.
Fast and accurate execution of casting connections during construction, thus ensuring perfect continuity after the concrete is poured.
Prevents damage and perforation of industrial molds for the purpose of removing the rebars.
Solves the problem of the critical stages in the casting of walls and ceilings.

Notes: After straightening the bent rebars inside the box, 80% of the original strength of the steel must be considered.
*** Produced with rebars according to Israeli standard 4446 (part 3).
Special length of rebars or pitches can be ordered in advance; Standard types 1 and 5
In phase I casting, if elements smaller than 200 mm, an anchoring depth of 120 mm must be used, registered model 44401
* Other dimensions upon request

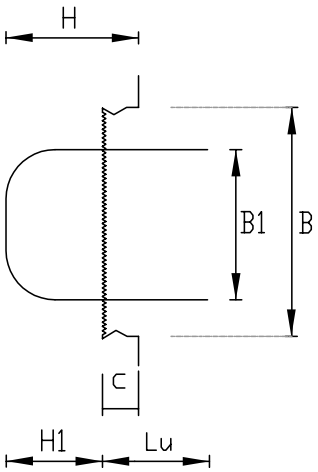
Standard length (mm)	Stirrup pitch (mm)	Rebar diam. (mm)	Suitable for concrete thickness in casting phase II (mm)	Anchor depth for casting in phase I (mm)	Box thickness (mm)	Box width (mm)	Product	Form
290 360	150/200	8 10	70 - 100	120 \ 170	36	55	* CBOX 55	
290 360 430	100/150/200	8 10 12	100 - 140	120 \ 170	36	85	CBOX 85	
290 360 390	100/150/200	8 10 12	130 - 180	120 \ 170	36	120	CBOX 120	
290 360 430	100/150/200	8 10 12	160 - 210	120 \ 170	36	150	CBOX 150	
290 360 430	100/150/200	8 10 12	200 - 250	120 \ 170	36	190	CBOX 190	
290 360 430	100/150/200	8 10 12	230 - 280	120 \ 170	36	220	CBOX 220	
290 360 430	100/150/200	8 10 12	280 - 330	120 \ 170	36	270	CBOX 270	
290 360 430	100/150/200	8 10 12	330 - 400	120\ 170	36	320	* CBOX 320	
290 360 430	100/150/200	8 10 12	360 - 420	120\ 170	36	350	* CBOX 350	

Rebar reinforcement system and Rebend connection systems

CBOX Rebend connections - maximum rebar length CBOX 5/11/22/33

Unit length 125 cm

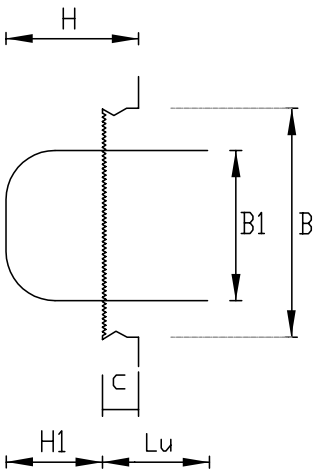
CBOX width B (mm)	Rebar diameter (mm)	Stirrup pitch (mm)	Rebar max. length LU (mm)
120	8/10/12	100	360
120	10/12	150/200	390
120 150	8 10/12	150/200 100	500
150	8 10 12	100 150 150/200	550
190	10/12	100	550-580
150	8 10	150/200 200	600
190	8	100	600
220-350	10/12	100	600
190	10/12	150	620
190	10/12	200	670
220-350	8/10/12	150	670
190	8	200	700
220-350	8/10/12	200	700



CBOX Rebend connections - JBOX 5/11/22/33

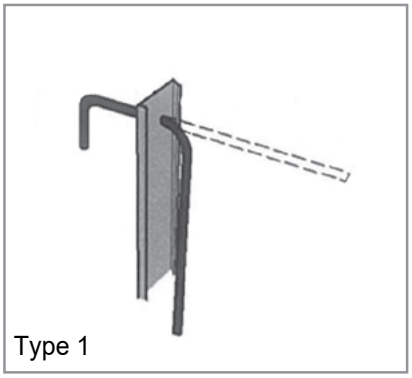
Unit length 175 cm

CBOX width B (mm)	Rebar diameter (mm)	Stirrup pitch (mm)	Rebar max. length LU (mm)
120	8/10/12	100	390
120	8/10/12	150/200	500
150	10/12	100	500
150	8	100	550
150	10/12	150	550
150	8	150/200	600
150	10/12	200	600
190	10/12	100	550-580
190	8	100/150/200	700
190	10/12	150/200	700
220	8/10/12	100	700
220	8/10/12	150	750
220	8/10/12	200	800
270-350	8/10/12	100	750
270-350	8/10/12	150/200	800



Rebar reinforcement system and Rebend connection systems

Various types of CBOX Rebend connections - CBOX / MINIBOX / JBOX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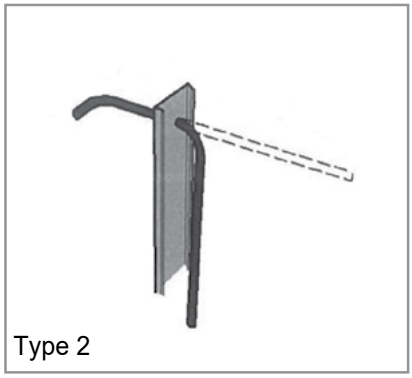
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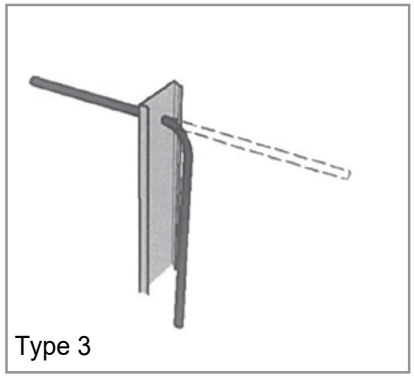
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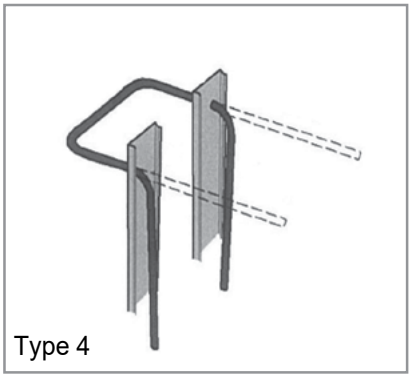
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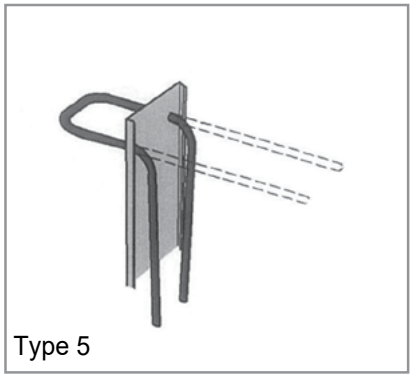
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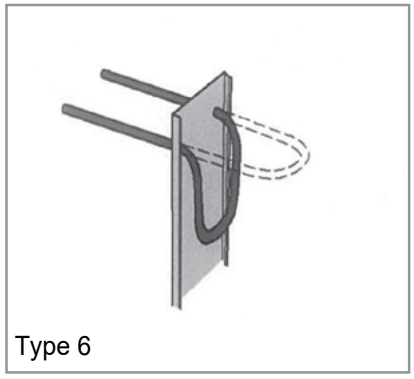
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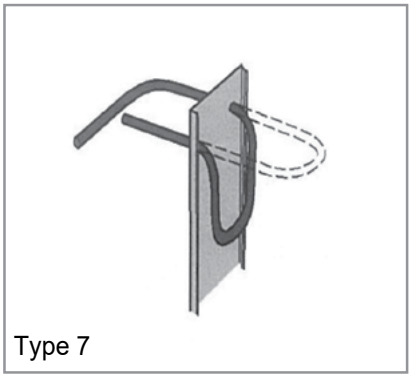
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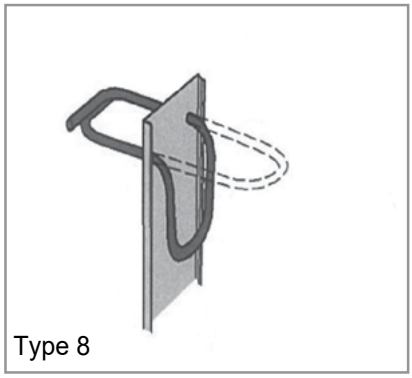
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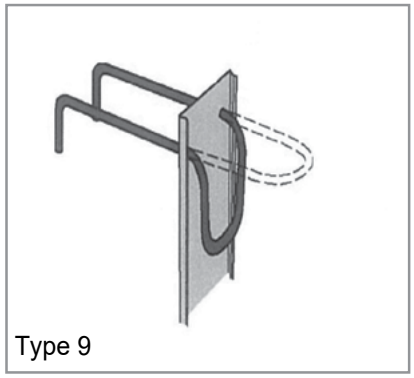
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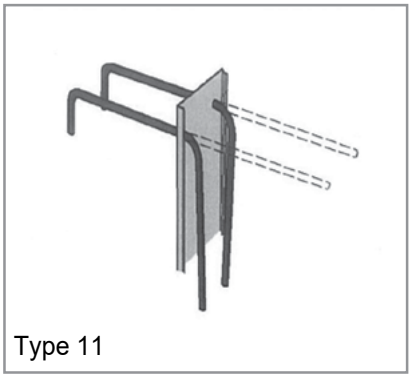
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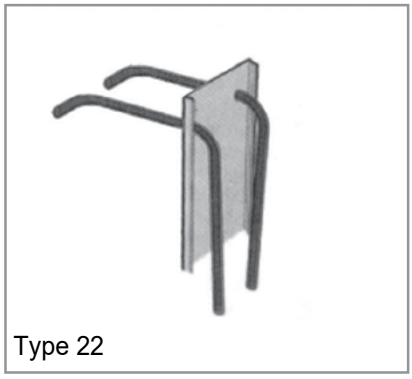
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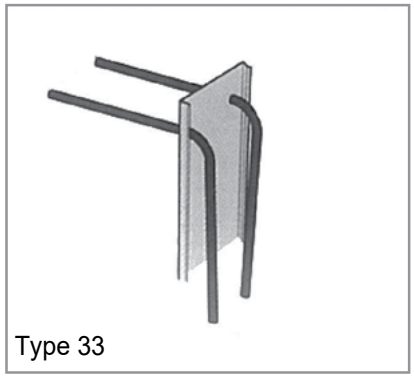

Type 33

Example of an order:

To order a CBOX Rebend connection, type **CBOX 190\5 - 10\150 - 170**

190 - box width (mm)
5 - type\form
10 - rebar diameter (mm)
150 - pitch (mm)
170 - Total height of the stirrup and box (mm)

Order form

מידות B קבועות (רוחב קופסא במ"מ)	
220	55
270	85
320	120
350	150
	190

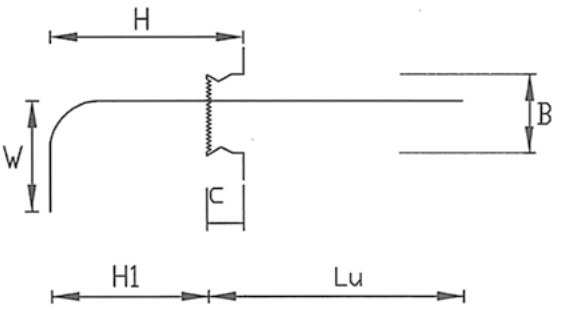
דומא
מחשבה אחת קדימה

הנושא : טופס מידע לקבלת הצעת מחיר
CBOX / JBOX / MBOX

TYPE - 2

Φ 8 /10 /12 @ 200 /150 /100

אורך יחידה	1.25 m 1.75 m 0.625 m
כמות (מ"א)	

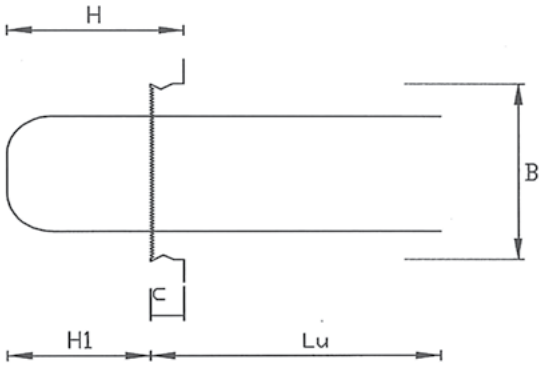


מידות	מ"מ
B	
H	
H1	= H-C
C	35 (STD) 50 70
Lu	
W	

TYPE - 5

Φ 8 /10 /12 @ 200 /150 /100

אורך יחידה	1.25 m 1.75 m 0.625 m
כמות (מ"א)	

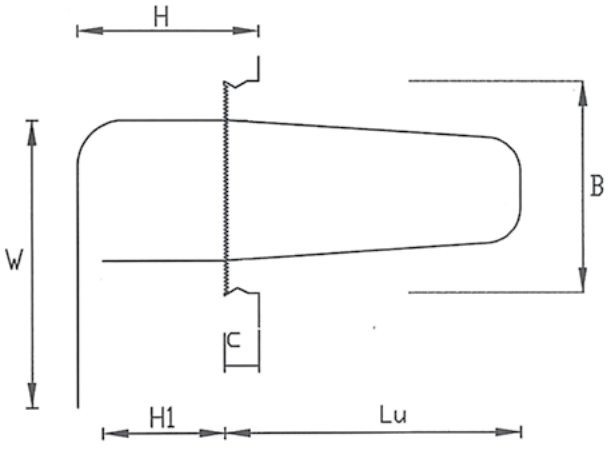


מידות	מ"מ
B	
H	= H-C
H1	
C	35 (STD) 50 70
Lu	

TYPE - 7

Φ 8 /10 /12 @ 200 /150 /100

אורך יחידה	1.25 m 1.75 m 0.625 m
כמות (מ"א)	



מידות	מ"מ
B	
H	= H-C
H1	
C	35 (STD) 50 70
Lu	
W	

**** פרט סופי לביצוע ישלח לאישור לקוח לאחר קבלת הזמנה כספית**

משרד- טלפון : 03-9026067, פקס : 03-9026066, מייל : doma@doma.co.il

פרטי לקוח- שם: חברה: אתר: נייד:

Rebar reinforcement system and Rebend connection systems

DOMA Bar Coupler - DBAR-BMS

Usage: DBAR BMS connections are used for efficient connection of concrete components which are poured in different phases and then connected. Casting interruptions and monolithic continuity of connecting reinforcement steel in concrete or extension of reinforcement rebars.

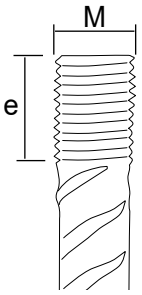
Description: Parallel female couplers screwed onto rebars with a male thread. The method is based on thread rolling screws (not thread engraving) and without losing material from the rebar and weakening them. The thread rolling of the screws strengthens the connection area and ensures failure at the reinforcement rods and not at the connections. This connection guarantees the strength continuity of the rebar and assures dynamic properties. Diameters that can be manufactured from 10 to 57 mm.

Assembly method: The position of the female rebars must be marked on the mold and then tied to the rebar or mesh. After casting, remove the plug in the female coupler, which protects against the penetration of concrete and dirt into the coupler, and screw the male rebar into the female coupler.
To ensure the quality of the connection and locking of the male rebar, it is recommended to use a suitable torque wrench.

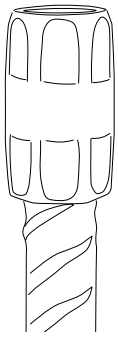
Advantages: Savings in labor costs.
Fast and accurate execution of casting interruptions during construction.
Prevents damage and perforation of industrial molds, for the purpose of removing the rebars.
Solves problems during the critical molding phases of walls and ceilings.
Ensures 100% transfer of the forces in the connection.
Enables to extend reinforcement bars

Note: Manufactured with rebar according to Israel standard 4446 (part) 3 Rebar strength 500 MPa.
Special lengths and shapes upon request and in coordination with DOMA.

Bar diameter (mm)	DOMA Item	Standard length (mm)	Thread "M" (mm)	Thread length "e" (mm)	Coupler length "L" (mm)
12	DBAR-BMS-12	570	M12X1.75P	14	28
14	DBAR-BMS-14	660	M14X1.75P	15	30
16	DBAR-BMS-16	1020	M16X2.00P	18	36
18	DBAR-BMS-18	1150	M18X2.00P	21.5	43
20	DBAR-BMS-20	1280	M21X2.5P	22	44
22	DBAR-BMS-22	1410	M22X2.5P	24	48
25	DBAR-BMS-25	1600	M25.5X3.0P	28	56
28	DBAR-BMS-28	1790	M28X3.5P	31.5	63
32	DBAR-BMS-32	2160	M32X3.5P	34	68
36	DBAR-BMS-36	2400	M35X3.5P	38	76
40	DBAR-BMS-40	3000	M40X4.0P	42	84



Male rod
DBAR-BMS C


Female rod
DBAR-BMS B

Example of an order:

To order DBAR-BMS male and female, type **DBAR-BMS B\C-16\1020**
B - female bar
C - male bar
16 - rebar diameter (mm)
1020 - rebar length (mm)
Advantages: a unique method in which the threading is executed by thread rolling and not by engraving, without loss of material on the corrugated rod!


BMS-C type connector


BMS-B type connector


BMS-A type connector
(Standard)

Rebar reinforcement system and Rebend connection systems

DOMA Bar Coupler - DBAR

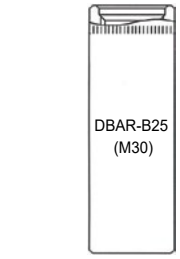
Usage: DBAR connections are used for efficient connection of concrete components which are poured in different phases and then connected.

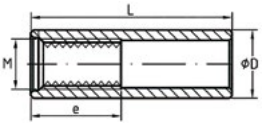
Description: Male and female connectors with a parallel thread, pressed onto a rebar, screwed into each other to ensure strength continuity of the rebar and dynamic properties. Manufactured in diameters of 12-40 mm.

Assembly method: The position of the female rebar must be marked on the mold and then tied to the rebar or mesh. After casting, remove the plug, which protects against the penetration of concrete and dirt into the coupler in the female rebar and screw the male rebar into the female coupler.
To ensure the quality of the connection and locking of the male connector, it is recommended to use a suitable torque wrench.

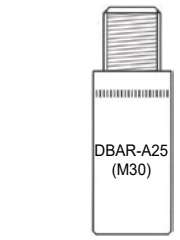
Advantages: Savings labor costs.
Fast and accurate execution of casting interruptions during construction.
Prevents damage and perforation of industrial molds, for the purpose of removing the rebar.
Solves problems during the critical molding phases of walls and ceilings.
Ensures 100% transfer of the forces in the extended rebars.

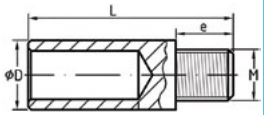
Note: Suitable for international standards, manufactured with rebars according to Israeli Standard 4446 (Part 3) 3. Rebar strength 500 MPa
Special lengths and shapes upon request and in coordination with DOMA.





Female connector
(pressed)
DBAR-A





Male connector
(pressed)
DBAR-A

"L" ** (mm)	"D" (mm)	"e" (mm)	"M" (mm)	Standard length (mm)	DOMA male	DOMA female	Bar diameter (mm)
58	22.0	18.5	M16	570	DBAR-A12	DBAR-B12	12
70	27.2	22.5	M18	660	DBAR-A14	DBAR-B14	14
80	27.2	22.5	M20	1020	DBAR-A/C 16	DBAR-B16	16
92	33.0	27.0	M22	1150	DBAR-A/C 18	DBAR-B18	18
92	33.0	27.0	M24	1280	DBAR-A/C 20	DBAR-B20	20
110	41.0	33.5	M27	1410	DBAR-A/C 22	DBAR-B22	22
110	41.0	33.5	M30	1600	DBAR-A/C 25	DBAR-B25	25
125	46.0	40.0	M36	1790	DBAR-A28	DBAR-B28	28 ***
149	57.0	46.0	M42	1920	DBAR-A32	DBAR-B32	32 ***
160	61.5	50.0	M45	2160	DBAR-A36	DBAR-B36	36 ***
182	67.5	53.0	M48	2400	DBAR-A40	DBAR-B40	40 ***

** Dimensions refer to the coupler before pressing on the rebar
*** Production and supply in coordination with DOMA

Example of an order:

To order DOMA Bar Coupler - DBAR male and female rods, type **DBAR B\A\C-12-570**

B - female bar
A - male bar
C - male bar
12 - rebar diameter (mm)
570 - bar length (mm)

Male bar DBAR-A

Female bar DBAR-B

Male bar DBAR-UPSET
For rebar diam. 16-25 mm

Rebar reinforcement system and Rebend connection systems

Torque wrench for tightening connector types DBAR (12-40), DBAR-UPS (16-40), DBAR-BMS (12-40)

Item Description

Dedicated torque wrench for tightening male and female type
DBAR (12-40) / DBAR-UPS (16-40) / DBAR-BMS (12-40)

General Instructions

It is necessary to follow the general instructions before tightening the connectors in order to guarantee the quality of the work

- The thread of the male and the female rod must be free of dirt, oil and grease.
- Remove the plastic plug from the female connector
- Screw the male rod into the female coupler by hand until you cannot turn the rod any further
- Complete the tightening using a dedicated wrench (torque) set to the appropriate value according to a table of values

*** Important: It is recommended to use a wrench (torque) according to the manufacturer's recommendation and according to the recommended values
*** Important: The wrench must be stored in a protected and dry place

Instructions for using a torque wrench

1. Ensure that the values listed in the dimensions window are adjusted as required N-m (newton/meter) / lbf-ft (pound/ foot), if not, change to desired values using the selector next to the dimensions window.

2. The blue cap at the end of the wrench handle must be pulled outward - a state that allows turning the handle and changing values After determining the desired value (according to the torque defined in the table and in relation to the diameter of the rod,) it is necessary to close by pressing it inward and ensure that the handle cannot be turned

3. Use the wrench to tighten the screw until you hear a clicking sound, this means reaching the desired tightening level. Do not continue to tighten beyond this level to avoid damage to the screw
(Loose state) Nm * Important: At the end of the work, it is necessary to return the line in the window to 30 by the same actions in section 2 in order to maintain the integrity of the wrench**
Recommended table of values N-m (Newton - meter)

Recommended table of values N-m (Newton - meter)

Bar diameter (mm)	Setting on the wrench N-m
10	30
12/14	40
16	60
18/20	80
22/25	100
28	140
32	180
36/40	200

Rebar reinforcement system and Rebend connection systems

Adaptor left - right (DBAR)

Description

A coupler designed for thin concrete elements, in which casting continuity is required in two directions and it is not possible to add rebars between the connectors

Note:

Length measurements are possible in accordance with the thickness of the element

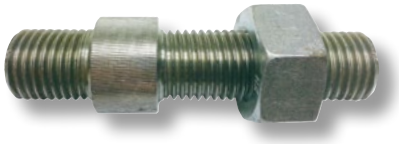
DOMA item	Rebar diameter (mm)	Thread diameter (mm)	Min. length (mm) L
PC-BB 12	12	M16	140
PC-BB 14	14	M18	158
PC-BB 16	16	M20	166
PC-BB 18	18	M22	218
PC-BB 20	20	M24	218
PC-BB 22	22	M27	262
PC-BB 25	25	M30	262
PC-BB 28	28	M36	270
PC-BB 32	32	M42	318

Female coupler - double-sided thread (DBAR)

Important:

When placing an order for a left-right adapter, **it is necessary to order female connectors with left-hand threads for casting the first phase**, and female connectors with right-handed threads for casting continuity in the second phase

** The adapters are made of steel with a strength of 8.8 only.



DOMA item	Rebar diameter (mm)	Thread diameter (mm)	Min. length (mm) L
DBAR R/L 12	12	M16	79
DBAR R/L 14	14	M18	85
DBAR R/L 16	16	M20	90
DBAR R/L 18	18	M22	109
DBAR R/L 20	20	M24	109
DBAR R/L 22	22	M27	131
DBAR R/L 25	25	M30	131
DBAR R/L 28	28	M36	145
DBAR R/L 32	32	M42	170

Insert plugs 2244 and 2288 (DBAR)

Usage: Temporary or permanent plugging of the insert opening to prevent dirt penetration

Description: Pressed plastic plug type 2244, inserted by pressing into the coupler opening, to prevent the penetration of dirt and concrete sludge during casting.
A type 2288 screw-type plastic plug, screwed into the coupler and designed to prevent the penetration of dirt and concrete sludge during casting, allowing the coupler to be fixed to the mold with nails, thus obtaining a clean surface after casting.

Assembly method: Make sure that the thread of the coupler is free of dirt and oil before inserting the plug. The type 2244 plastic plug is pressed in by hand until the plug closes the coupler opening under pressure.
The plastic cap type 2288 is screwed into the coupler.

Advantages: Supplied in bright colors for easy identification.
Easy to assemble and disassemble. Prevents the penetration of dirt into the thread of the coupler and allows the coupler to be fixed to the wooden mold.
Suitable for use on site and in factories of prefabricated concrete elements.

2244

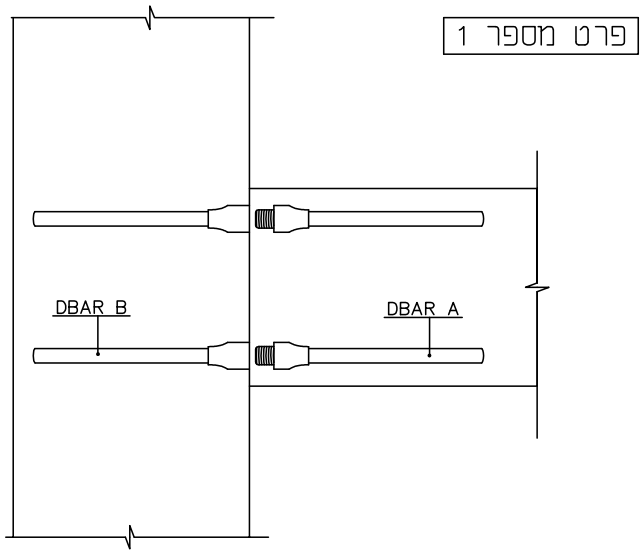
2288

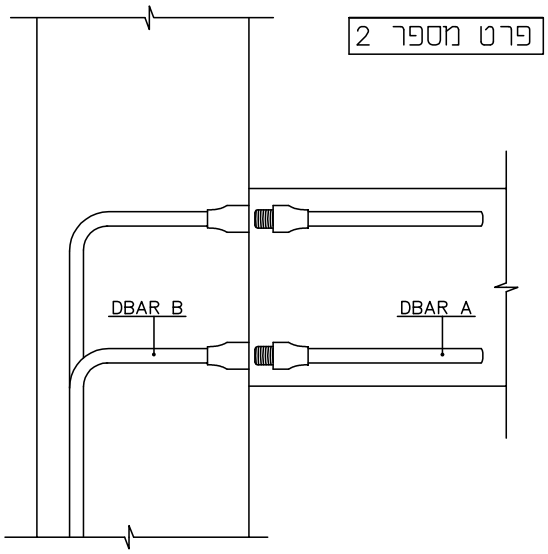
Item no	DOMA Item	dnom
22310	2288-M16	M16
22311	2288-M18	M18
22312	2288-M20	M20
22314	2288-M24	M24
22316	2288-M30	M30
22317	2288-M36	M36
22318	2288-M42	M42

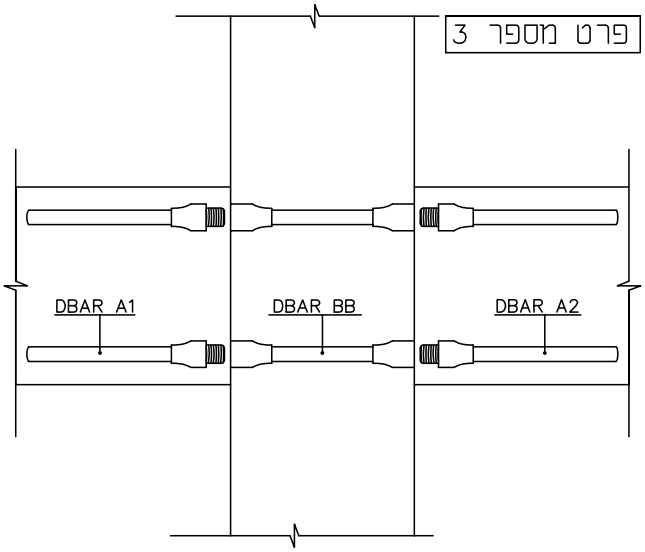
Item no	DOMA Item	dnom
22303	2244-M16	M16
22304	2244-M20	M20
22305	2244-M24	M24
22306	2244-M30	M30
22307	2244-M36	M36
22308	2244-M42	M42

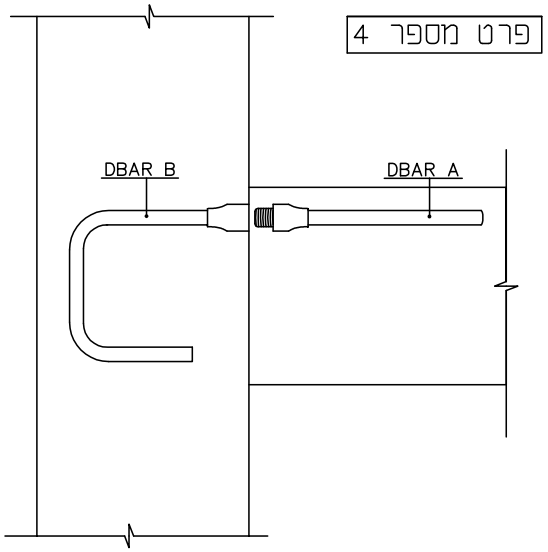
Rebar reinforcement system and Rebend connection systems

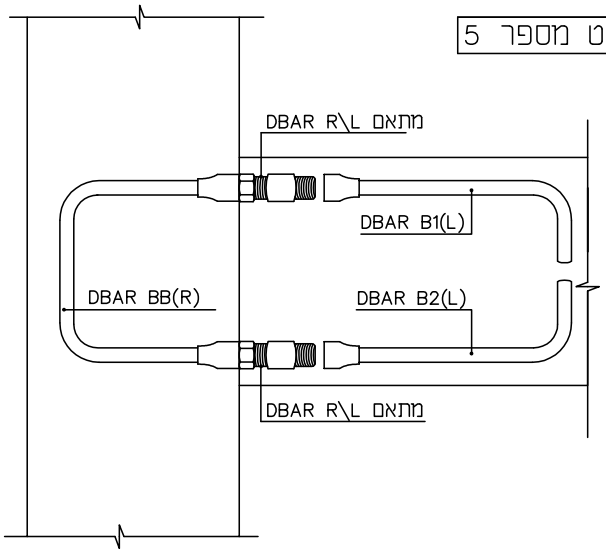
Examples of using male and female rebars DBAR

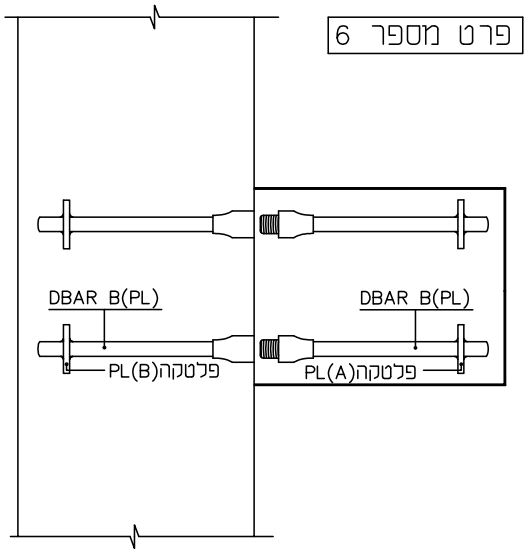




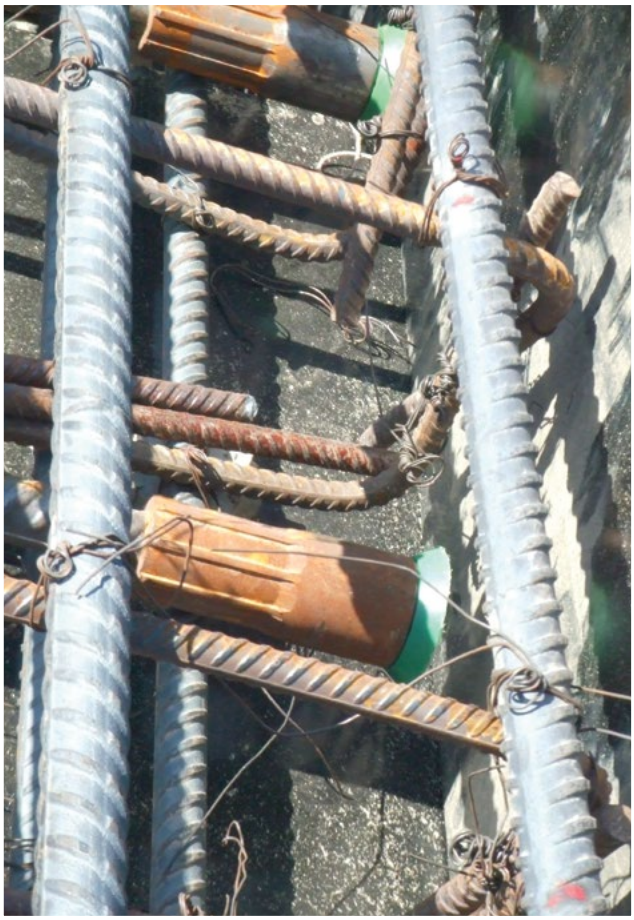








Rebar reinforcement system and Rebend connection systems



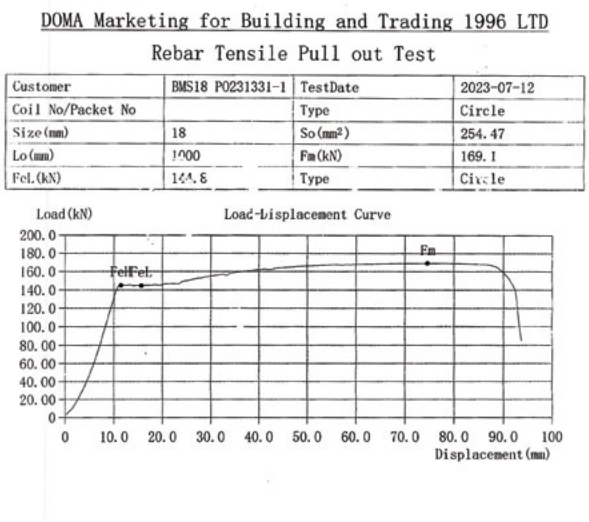
Laboratory tests for Rebar systems

Laboratory tests

As part of expanding the quality assurance and control policy at DOMA, it was decided that in addition to the regular tests performed at the Israeli Standards Institute, to establish a laboratory for tension and compression tests, similar to the one at the Standards Institute.

DOMA performs tension and compression tests and records the test results for each production order.
As a service to the customer, the tension and compression tests results are attached to the shipping documents sent with the goods to the worksite.

Doma lab report



DOMA Marketing for Building and Trading 1996 LTD

Rebar Tensile Pull out Test

Customer	BMS18 P0231331-1	TestDate	2023-07-12
Coil No/Packet No		Type	Circle
Size(mm)	18	So(mm²)	254.47
Lo(mm)	1000	Fm(kN)	169.1
Fel.(kN)	144.8	Type	Circle

Rebar reinforcement system and Rebend connection systems

DMBT Couplers

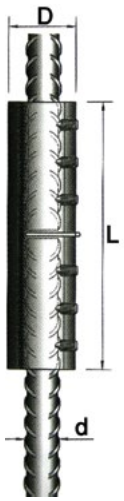
Usage: Extension of rebars by transferring frictional and shearing forces.

Description: Round coupler made from a seamless pipe. Two serrated strips and a row of shear bolts that form a geometric shape of a triangle, with the shear bolts at the apex and the two rows of serrations at the base of the triangle

Assembly method: The coupler is divided symmetrically, one half onto one rebar and the second half onto the second rebar. By threading the shear bolts and inserting them into the rebar until the bolt head breaks.

Advantages: Savings in labor costs.
Fast and accurate execution of casting interruptions, rebar extension on site without prior preparation.
Enables an efficient and quick solution without the need for external control over the extension of the rebars.
Execution control is performed during assembly, and the shearing of the bolts prevents turning them any further.
Complies with international standards
BS8110, NFA-35-020, DIN1045, Z-1.0, ACI 318 (Type 1, Type 2) BBA Standard, CARE Standard

Note: Before making the connection, read the installation instructions attached to the coupler.
Registered patent 2220241



Rebar diameter (mm) - d	12	14	16	18	20	22	25	28	32	36	40
Coupler diameter (mm) - D	33.4	42.2	42.2	48.3	48.3	48.3	54.0	66.7	71.0	75.0	81.0
Coupler length (mm) - L	140	160	160	204	204	248	258	312	312	420	480
Bolt diameter (inch)	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	3/4	3/4
Number of shear bolts	6	6	6	8	8	8	8	10	10	12	14
Min. Rebar length (mm)	120	130	130	155	155	180	180	210	210	228	228
Minimal shear stress NM	55	108	108	108	108	275	275	275	360	525	525
Arm length (handle) required (NM) for manual device	300	600	600	600	600	1100	1100	1100	1100	1500	1800

* It is recommended to use a dedicated electric **Nut runner** to prevent the destruction of the threads
**** Avoid the use of IMPACT tools**

Machine for screw tightening RUNNER NUT DMBT

Usage: Dedicated machine for closing shear bolts on DMBT couplers with diameters 12-40 mm, supplied with bolt heads according to required diameters

Recommended change: It is recommended to use the machine according to the manufacturer's instructions Do not stop the rotation of the machine until the shearing of the bolt

Advantages: Smooth operation of the machine at a uniform pace and effort prevents damage to the bolts as a result of human error while performing a simple effortless operation thus shortening the execution time on site

Note: Can be rented or purchased

Rebar reinforcement system and Rebend connection systems

Extension of rebars using mechanical connectors with shear bolts - DMBT

1. General

This specification refers to the connection of rebars using external mechanical shear bolts, according to the guidelines of the Israeli standard 4466 part 3 and according to the requirements of the German Standard DIN1045 ensuring the continuity of rebars between two different concrete elements is ensured by means of mechanical couplers in pressure and tension areas.

2. Manufacturer

The couplers are manufactured by a recognized manufacturer, with proven experience, specializing in industrial production of specific DMBT type couplers, in a factory with a quality control system approved by the ISO 9000 standard.
In the absence of an Israeli standard for couplers and/or mechanical couplers for rebars, the manufacturer must present an official certificate such as a Zulassung* issued by a certified laboratory in Germany, indicating the dimensions of the couplers and the requirements to ensure its quality, all according to the instructions of the German Standard DIN1045 Part 1 Section 12.8.1.7 as well as certificates regarding its resistance to dynamic loading.

3. Mechanical couplers with DMBT shear bolts

The couplers are manufactured according to an international patent and are marked with the manufacturer's code and the diameter of the rebar. The couplers are supplied with two serrated strips welded inside the coupler and a number of shear bolts, depending on the diameter of the rebar. The rebars are inserted into the coupler, without the need for any prior preparation, the locking of the connector is obtained by turning the shear bolts, which penetrate into the rebars until the bolt head breaks, as a result of the torque applied.

4. The connecting rebars

The rebars will be provided by the contractor in accordance with Israeli Standard 4466 part 3
*Clarification: Zulassung is an official certificate of the German Institute of Construction in Berlin confirming the connection method after testing the products, dimensions, load conditions, etc. This certificate indicates that the manufacturer is subject to ongoing production supervision in accordance with the approval obtained from the laboratory and in accordance with the conditions of the German standard.
The validity of the certificate is for several years during which the manufacturer must perform regular internal tests according to the certificate he received and pass periodic tests of the external institute

Installation instructions - phases of the operator's work - Extending rods using a DMBT coupler

The supplier supplies the site only with the DMBT type coupler. The minimum required free length of the rebar will be 1/2 of the coupler length + 50 mm. There is no need for cleaning, sharpening, screwing and/or any other treatment for the rebar before making the connection.
The contractor must use a wrench or air pressure tool to tighten the shear bolts.
In order to ensure the transfer of the full load using the DMBT coupler, the connection must be made correctly and precisely according to the following instructions:
A perfect coupler must be used that includes all the shearing bolts and two serrated strips inside.
The connection was completed only after all the bolts were tightened completely, and the heads separated.

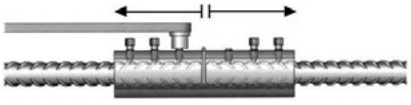
Order of operations

Insert a rebar on one side until you see it through the central hole of the coupler and hand tighten the bolts with one hand.
It is recommended to use a pin temporarily inserted through the central hole to serve as a stopper. Attach the rod to it.
If no pin is used, insert a rod up to half the length of the coupler, to ensure the centrality of the connection.

Insert the other rebar into the free side of the coupler, up to the center of the coupler and hand tighten the bolts. Make sure to keep the coupler in a straight line. When removing the pin, you should be able to see the ends of both rebars through the center hole of the coupler.

For perfect locking of the bolts, use a manual **"wrench" or a DMBT NUT RUNNER machine**. The locking is done alternately, a bolt of one rebar, then on the other. The bolts must be tightened from the center of the coupler outwards according to the drawing. The bolt is locked, when it shears, and the hex head separates from it.

*** It is not recommended to use an IMPACT device**

Execution phase - 1	Execution phase - 2	Execution phase - 3
		

Rebar reinforcement system and Rebend connection systems

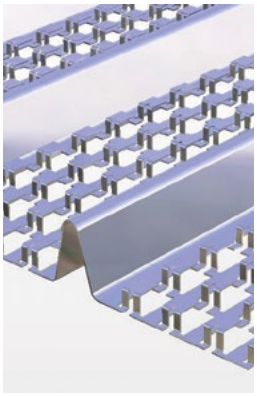
Casting mesh Metal Expended

Usage: Hot dip galvanized corrugated mesh, designed for casting interruptions in ceilings and walls.

Description: Special mesh designed for casting interruptions in ceilings and walls. The mesh is hot dip galvanized. Dimensions of the mesh, length 2.5/2 m and width 0.45m (1.125/0.89 sqm/unit) thickness of the ribs 21 mm.

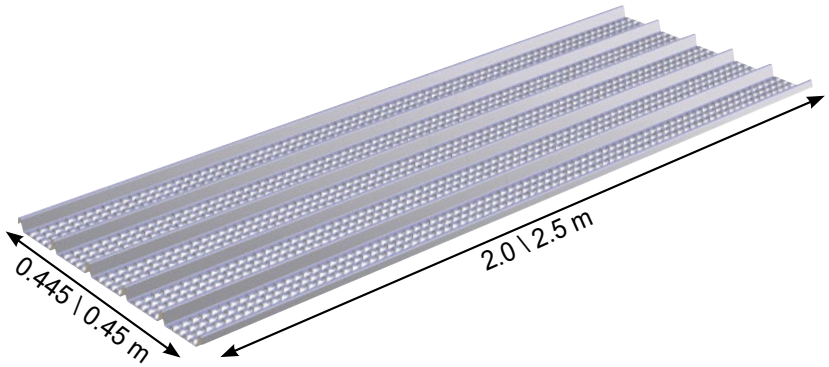
Assembly method: The mesh must be tied or nailed to the mold depending on the width of the casting interruption The mesh can be cut according to the width of the wall / ceiling. If there is a need to pass the rebar through the mesh, use a cutter to cut a hole of the appropriate thickness and insert the rebar through the mesh.

Advantages: The ribs of the mesh were specially designed so that the mesh transfers the shear loads between both parts of the casting.
The ribs of the mesh were specially designed to stop casting and prevent concrete from passing through the mesh while pouring.
Rebars can be inserted through the mesh for casting continuity.
The mesh is stable and easy to assemble.



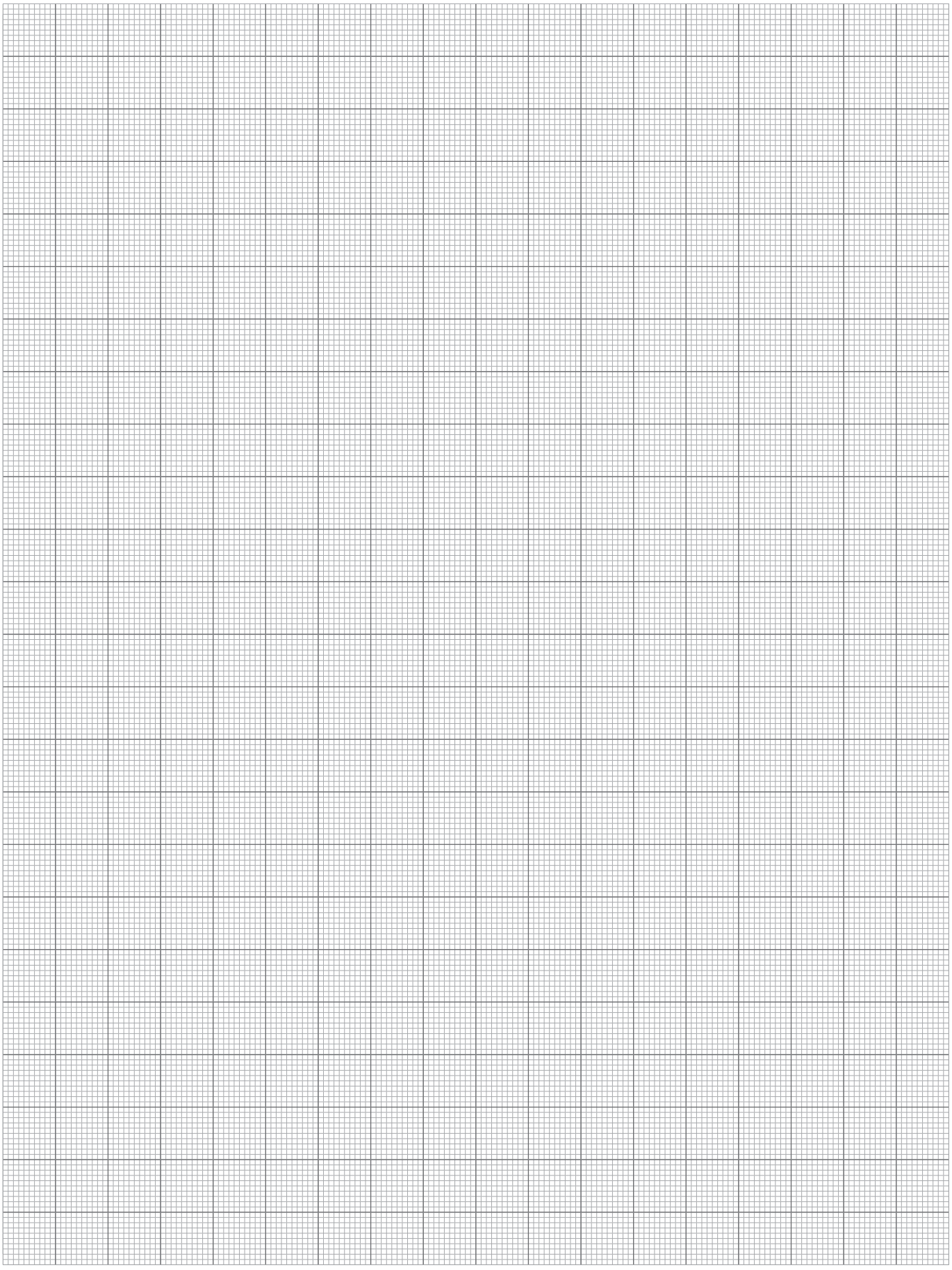
DEX

Item no	DOMA Item	Desc.	Area per unit (m2)	Qty/ package (Units)	Pallet packing (Units)
17001	**DEX2044504**	**Casting mesh DEX -2.00x0.445x0.4**	**0.89**	**10**	**350**
17002	**DEX2545005**	**Casting mesh DEX -2.50x0.45x0.5**	**1.125**	**10**	**350**



Example of a casting interruption in a wall.

Notes



General commercial conditions

General commercial conditions

Doma Construction and trade marketing (1996) Ltd., VAT NO. 512416215 (hereafter: "The Supplier")

1. The customer undertakes to purchase the product from “DOMA," hereafter "the supplier," as stated in the terms of the order
2. The customer undertakes to pay the supplier the full price for the product plus legal VAT (hereafter: "the payment")
3. The customer will pay the supplier the consideration for the delivery of the product according to the terms of payment stated in the order
4. It is agreed and understood that the supplier is entitled not to deliver the product to the customer if the customer does not meet his payment obligations, in full and on time, and that this will not constitute a breach of the supplier's obligations towards the customer.
5. It is agreed and understood, that the ownership of the product will be transferred to the customer only after the full payment has been made.
6. For any delay in making the payment, the ordering party shall pay to the supplier, interest on arrears at the rate of the maximum excess interest rate common in the market.
7. The supplier reserves the right to change the visual design of the product at any given time, without prior notice.
8. The supplier will not be liable for any damage caused to the customer due to a delay in the delivery of the product, insofar as this delay is not under the supplier's responsibility and/or control, including due to: force majeure, an act of terrorism, strike, fire, flood, storm, war, theft, delay in shipping by sea or air, etc. In the event of one of the above mentioned, the supplier will be entitled, respectively, to extend the delivery dates of the product. A delay in the delivery of the product not exceeding 7 days will not be considered a breach of this agreement
9. The customer undertakes to strictly follow the usage and safety instructions accompanying the product, and to use the product carefully, according to its characteristics and nature. In addition, the customer undertakes to act, at all times, in accordance with the laws and the mandatory and/or accepted rules of caution.
10. The customer undertakes to carry out safety tests on his behalf before the initial use of the product.
11. The customer undertakes that the use of the product will only be done by qualified, experienced, and skilled personnel, according to the type of product and its nature.
12. The customer undertakes that the use of the product, as described above, will be done under continuous professional supervision.
13. The customer declares that he is aware that the manner of using the product, as described above, is of utmost importance, and that poor and/or negligent and/or different use of the product may, God forbid, cause accidents and serious injuries and even death.
14. The customer is aware and agrees that the supplier will not be responsible in any way for the consequences that may be caused by the violation of one and/or more of the precautionary guidelines listed above and below by the customer and/or anyone on his behalf.
15. The customer declares that he is aware that there are many factors that may affect the nature and quality of the product, including: abrasion, fusion (corrosion,) deformation, excessive load and storage other than according to manufacturer's instructions. Therefore, and in order to maintain the required rules of caution, the customer undertakes to carry out tests before starting the use of the product and to constantly monitor the quality of the product, as well as to examine whether it is possible to continue using it, thus paying attention to the influence of the factors on the nature and quality of the product over time. For the avoidance of doubt, it will be clarified that the responsibility for conducting the aforementioned tests, including determining the frequency of the tests, rests solely with the customer.
16. The customer declares that he is aware that any repair and/or alternation of the product after it has been delivered to him and/or to someone on his behalf, may impair the nature of the product and affect its quality, and that in any such case no warranty will be provided for the quality of the product. For the avoidance of doubt, it is agreed that the supplier will not be responsible in any way for a product that has been modified and/or repaired in any way.
17. Without detracting from the generality of the aforementioned, the customer declares that he is aware that the supplier will not be responsible for the nature and/or quality of the product in the event of one and/or more of the following cases:
    A. Damage caused intentionally by the customer and/or someone on behalf of the customer.
    B. Damage caused due to careless and/or negligent use by the customer and/or someone on his behalf.
    C. Damage caused due to improper use and/or deviation from the supplier's instructions by personnel that does not have the expertise and experience required to handle the product.
    D. Damage caused by a third party and/or due to an external force beyond the supplier's control.
    E. Damage caused after a repair and/or alternation to the product made by the customer.
    F. Damage caused by replacing any component in the product

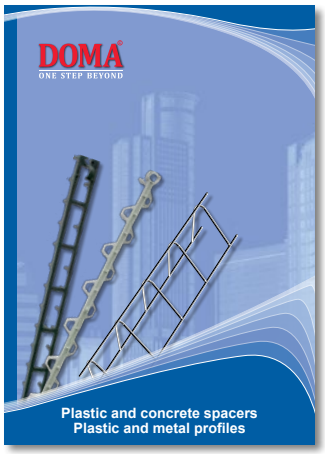
Product return policy

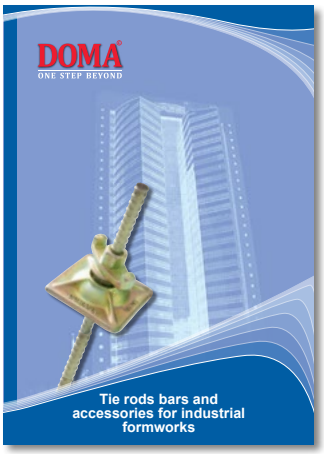
- Products supplied to the customer can be returned up to 7 calendar days from the date of goods receipt (unless different delivery and return conditions have been approved in the order), and provided that they are returned in their original packaging and the products have not been used. Stainless steel pins or any other (manufactured) product or BMS, / UPSET / DBAR bars CBOX, for manufactured products such as: Rebend Connections, that were specially ordered from DOMA by the customer, according to special specifications of a DOMA supplier in Israel or overseas.
  After confirmation of the order details / execution of a financial order by the customer, the customer will not be able to change, replace, cancel or return the product.
- Cancellations and returns of private customers - subject to the Consumer Protection Regulations, 2010
- Cancellation fees: In the event that the customer returns the products ordered by him, DOMA will be entitled to collect credit card processing fees (if the transaction was made by credit card) in addition, DOMA will collect a cancellation fee of up to 5% of the returned/cancelled products.

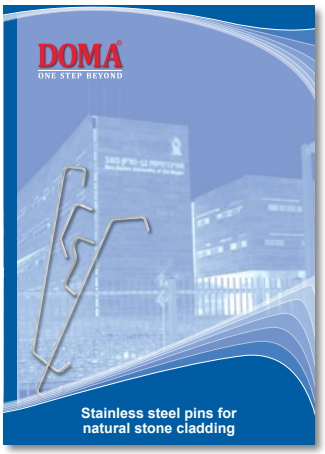
18. All copyrights relating to the product (including: trademarks, samples, copyrights, etc.) are reserved to the supplier. The customer undertakes not to make use of the supplier's intellectual property in the product, including transferring of documents and diagrams related to the product, either directly or indirectly, to a third party.
19. Exclusive jurisdiction in relation to any question and/or claim and/or dispute and/or litigation, which is the subject of this transaction, is granted to the authorized courts in Tel-Aviv, Israel.

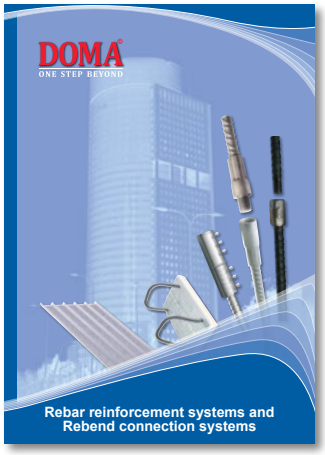
Additional catalogs

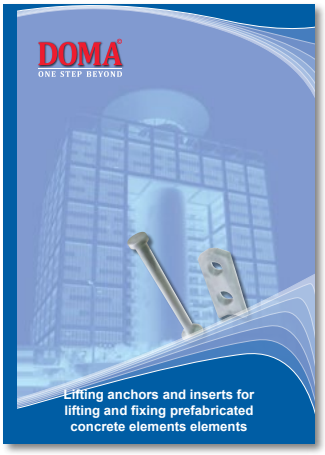
For updated information on current products and catalogs
Scan the code and enter the catalog page on the website
www.doma.co.il/eng-catalogs

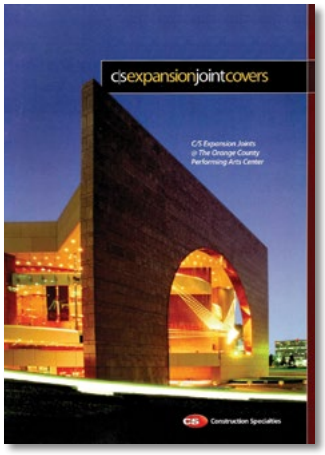






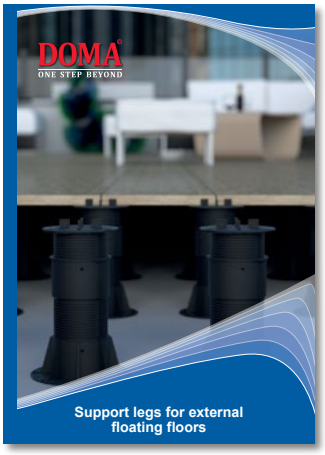






Expansion and earthquake joints C/S Group

Support Pedestal for external floating floor Buzon



Support Pedestal for external floating floors

Sale of the products in accordance with the general commercial conditions of the DOMA company, refer to the company's website www.doma.co.il

Studio kav acher

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