



ΜΗΧΑΝΟΛΟΓΙΚΑ ΣΥΣΤΗΜΑΤΑ **MECHANICAL SYSTEMS**

ΣΥΣΤΗΜΑΤΑ ΒΙΟΜΗΧΑΝΙΚΩΝ ΜΕΤΑΦΟΡΕΩΝ
INDUSTRIAL CONVEYOR SYSTEMS

ΣΥΣΤΗΜΑΤΑ ΓΡΑΜΜΙΚΗΣ ΚΙΝΗΣΗΣ
LINEAR MOTION SYSTEMS



www.aluminium-profile.gr

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CONVEYORS - LINEAR



Η εταιρία μας θέλοντας να καλύψει τις σύγχρονες ανάγκες της Βιομηχανίας σε μηχανολογικές εφαρμογές, δημιούργησε με βάση τα προφίλ ALUMINIUM PROFILE, νέα συστήματα Βιομηχανικών Μεταφορέων (Conveyors) και Οδηγών Γραμμικής Κίνησης (Linear Motion).
Η Ποιότητα των κατασκευών, η Αντοχή και η απaráμιλλη Οικονομία τα καθιστούν προϊόντα Leader στη Βιομηχανική Αγορά, δίνοντας τις καταλληλότερες λύσεις στο σύγχρονο Περιβάλλον Παραγωγής.



In order to meet the needs of the mechanical application in modern Industry, our company using the ALUMINIUM PROFILES, has created the new Industrial Conveyor and Linear Motion Systems.
The Quality of the constructions, the Strength and Resistance and the tremendous Economy, make these products Leader in the Industrial Market, providing the most suitable solutions in the modern Production Environment.



Flat Belt Conveyors - Μεταφορείς Επιπέδου Ταινιόδρομου



- Στάνταρ πλάτος
Standard widths

- a) 300 mm
- b) 450 mm
- c) 600 mm
- d) 800 mm
- e) 1000 mm

- Στάνταρ διάμετρος τυμπάνου
Standard drum diameter

Ø 76 - Ø 114

- Στάνταρ μήκος

Standard length

1.000 & 6.000 mm



- Παρέχουν σειριακή και γρήγορη μεταφορά συσκευασμένων και μη προϊόντων όπως δέματα, σακιά κτλ. Μπορούν να χρησιμοποιηθούν με σταθερό ύψος ή να προσαρμοστούν ρυθμιζόμενα καθ' ύψος. Η ταχύτητα μπορεί να προσαρμοστεί ανάλογα με τις απαιτήσεις. Η επιλογή ταινίας PVC, καουτσούκ κ.α. γίνεται ανάλογα με το είδος του μεταφερόμενου προϊόντος.
- It provides serial and quick transportation of packaged and unpackaged products like parcel, package sack etc. It can be used as fixed or adjustable height units. Speed can be set according to demand. Belt selection is done upon to the type of carried product. PVC, rubber, wire belts can be generally selected.

Grade Conveyors - Μεταφορείς Grade



- Στάνταρ πλάτος
Standard widths

- a) 300 mm
- b) 450 mm
- c) 600 mm
- d) 800 mm
- e) 1000 mm

- Στάνταρ διάμετρος τύμπανου
Standard drum diameter

Ø 76 - Ø 114

- Στάνταρ μήκος **Standard length**

Κατά παραγγελία **on request**



- Χρησιμοποιούνται για την μεταφορά προϊόντων σε διαφορετικές τμηματικές αποστάσεις, για επίπεδες ή επικλινείς μεταδόσεις. Εξασφαλίζουν μεταφορά μεγάλου αριθμού προϊόντων σε ελάχιστο χρόνο. Το ύψος είναι ρυθμιζόμενο, μεταξύ 15 - 45°.
- It is used to transport various of products in different distances for horizontal or inclined transmission. It ensures transportation of many products in a short time. It is possible to adjust the height between 15-45 degrees.

Acetal Conveyors - Μεταφορείς Ταινίας Ακετάλης

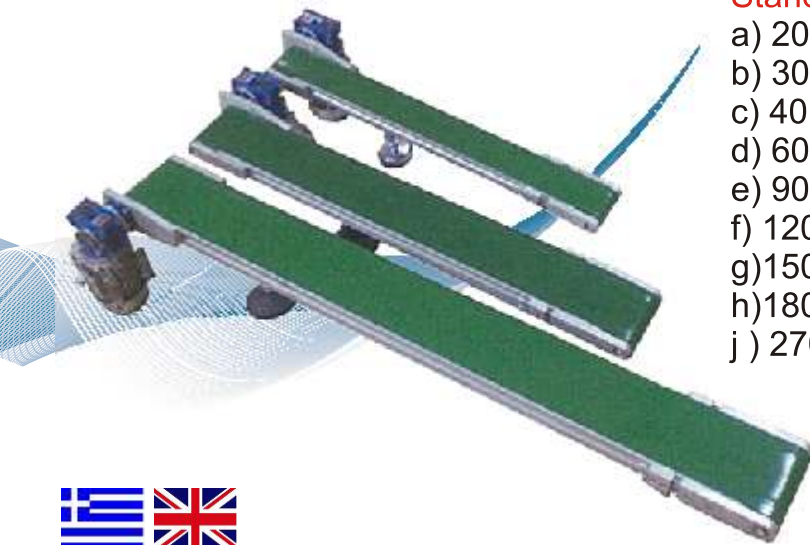


- Στάνταρ πλάτος
Standard widths
α) 82,6 mm

- Στάνταρ μήκος **Standard length**
προαιρετικό **optional**
- Ειδικά μήκη **Standard length**
κατά παραγγελία **on request**

- Επιτυγχάνουν μεταφορές προϊόντων συμπληρώνοντας την κατασκευή των γραμμών παραγωγής. Οι μεταφορές υπό γωνία γίνονται ευκολότερες με τους μεταφορείς ακετάλης και τα προϊόντα μετακινούνται χωρίς να χάνουν την γραμμικότητα και τη θέση τους.
- It presents product transfers on filling manufacturing. Conveying is easier with acetal band conveyors. Products can move without losing linearity and position.

Miniature Conveyors - Μεταφορείς Μικρογραφίας Παραγωγής



- Στάνταρ πλάτος
Standard widths
a) 20 mm
b) 30 mm
c) 40 mm
d) 60 mm
e) 90 mm
f) 120 mm
g) 150 mm
h) 180 mm
j) 270 mm

- Στάνταρ πάχη
Standard thicknesses
a) 20 mm b) 30 mm
c) 35 mm d) 45 mm
- Στάνταρ μήκος **Standard length**
κατά παραγγελία **on request**

- Γενικά χρησιμοποιούνται για να μεταφέρουν προϊόντα και γεμίσματα (σφραγίσματα στίξη συσκευασίας), διαχωρίζοντας τα. Οι ταινίες κατασκευάζονται γενικά από PVC και PU (πολυουρεθάνη) και μπορεί να αλλαχθούν επί τόπου στο μηχάνημα. Επίσης χρησιμοποιούνται σε συστήματα μελάνης και barcode. Εξαλείφουν τον ανθρώπινο παράγοντα και κόστος, παρέχοντας ταχύτητα και ευκολία.
- It is generally used for transporting product and fillings without mixing each other. It is generally manufactured with PVC and PU belt. Belt can be changed upon to the area of usage. Also it is used at inkjet and barcode systems. It eliminates the human factor, and provides to product easier and faster.

L & Z Elavator Conveyors - L & Z Μεταφορείς Ανέλκυσης



- Στάνταρ πλάτος
Standard widths

- a) 300 mm
- b) 450 mm
- c) 600 mm
- d) 800 mm
- e) 1000 mm

- Στάνταρ διάμετρος τυμπάνου
Standard drum diameter

Ø 76 - Ø 114

- Στάνταρ μήκος **Standard length**

Μήκος κατά παραγγελία
on request

Ο άξονας καθορίζεται ανάλογα με το προφίλ

The axle is determined according to the profile



- Χρησιμοποιούνται για να μεταφέρουν προϊόντα σε υψηλότερο επίπεδο σε άλλες περιοχές λειτουργιών. Επίσης είναι κατάλληλοι για την μεταφορά αποβλήτων και προσμείξεων από τις μονάδες παραγωγής. Περιλαμβάνονται σε L και Z σχεδιασμό για να παρέχουν λύσεις μεταφοράς μεταξύ μηχανημάτων διαφορετικών υψών, επιπέδων και κατευθύνσεων.

- Are used to transport products at a higher level to other operation areas. Also used to waste junks and contaminants from the production units. It includes L and Z form conveyors that provide the transmission between machines standing at different level and directions.

Driven Roller Conveyors - Μηχανικοί Μεταφορείς Ραουλοδιάδρομου



- Στάνταρ πλάτος
Standard widths

- a) 300 mm
- b) 450 mm
- c) 600 mm
- d) 800 mm
- e) 1000 mm

- Στάνταρ διάμετρος
Standard roll diameter

Ø 50

- Στάνταρ μήκος **Standard length**

1.000 & 6.000 mm

- Στάνταρ μήκος **Standard length**

1.000 & 6.000 mm

Ειδικά μήκη **Special lengths**
κατά παραγγελία **on request**



- Τα ράουλα κινούνται με αλυσίδα που λειτουργεί με σύστημα μειωτήρα. Η κίνηση μεταδίδεται μέσω τριβής και η απόσταση μεταξύ των ράουλων προσαρμόζεται ανάλογα με το προϊόν. Γαλβανιζέ, καουτσούκ, PVC ή αλουμινίου ράουλα μπορεί να σχεδιαστούν ανάλογα με τα χαρακτηριστικά της παραγωγής.

- At the driven roller conveyors, rollers are driven by chain, which is working with motor-reducer system. Motion can be transmitted to carried product through friction. Distance between rollers is determined according to type of product and rollers diameter Galvanized, rubber, PVC or aluminium coated rollers can be designer upon to the features of business.

ΕΞΕΙΔΙΚΕΥΜΕΝΑ ΣΥΣΤΗΜΑΤΑ ΜΕΤΑΦΟΡΕΩΝ SPECIAL CONVEYORS SYSTEMS

Κατασκευάζονται σύμφωνα με τις απαιτήσεις του πελάτη κατά παραγγελία
Special Conveyors are to be manufactured according to customer's demands by special order



ΜΕΤΑΦΟΡΕΑΣ ΙΜΑΝΤΑ PVC ΜΕ ΠΡΟΣΤΑΤΕΥΤΙΚΑ ΦΡΑΓΜΑΤΑ PVC BELT CONVEYOR WITH BARRIERS

- Προστατευτικά φράγματα χρησιμοποιούνται για να διατηρούν τα προϊόντα σε μία καθοδηγούμενη κατάσταση χωρίς ανησυχία για εσφαλμένη κατεύθυνση τους. Η ταινία από PVC προσδίδει ταχύτητα, δύναμη και προστιθέμενες ιδιότητες κρατήματος.
- Barriers are using in order to keep products in a guided condition without worries of misdirection. PVC belt provides speed, power and additional gripping properties.



ΔΙΩΡΟΦΟΣ ΜΕΤΑΦΟΡΕΑΣ DOUBLE STOREY CONVEYOR

- Μετατρέπει μεγάλες απαιτήσεις παραγωγής σε ένα εύκολο ζήτημα. Μεγάλες βιομηχανίες μπορούν να το χρησιμοποιήσουν, με σκοπό να επιτύχουν έναν μεγάλο όγκο παραγωγής και να εκπληρώσουν τις απαιτήσεις του πελάτη χωρίς καμία δυσκολία.
- Converts great production demands to an easy matter. Large industrial plants may use it in order to succeed a great production volume and meet customer's demands without any difficulties.



ΜΕΤΑΦΟΡΕΑΣ ΜΕ ΙΜΑΝΤΑ ΔΙΑΤΑΞΗΣ O-RING O-RING BELT CONVEYOR

- Χρησιμοποιείται σε κάθε σύστημα μικροσυσκευασίας ή μεγαλύτερης συσκευασίας. Σταθερή εφαρμογή που παράγει απόδοση στην οικονομία, υψηλή ταχύτητα και δύναμη. Οι ταινίες o-ring είναι ελαστομερείς και επίσης ελαχιστοποιούν τις δονήσεις που τις τεντώνουν.
- Used in every micro-packing systems or even larger. Stable application that provides economy efficiency, great velocity and power. O-ring belting and drive belts are elastomeric and also, minimizes vibrations that stretch belt.



ΣΥΝΘΕΤΟΣ ΜΕΤΑΦΟΡΕΑΣ ΜΕ ΡΑΟΥΛΟΔΙΑΔΡΟΜΟ COMPLEX ROLLER CONVEYOR

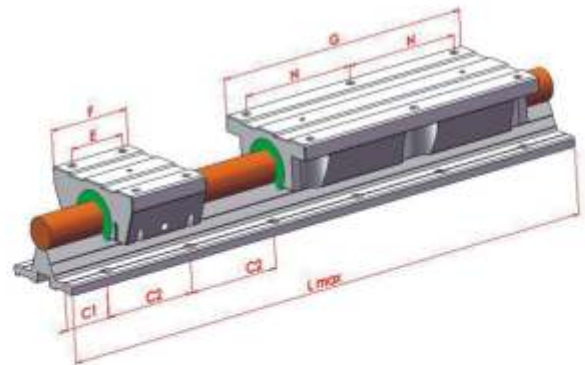
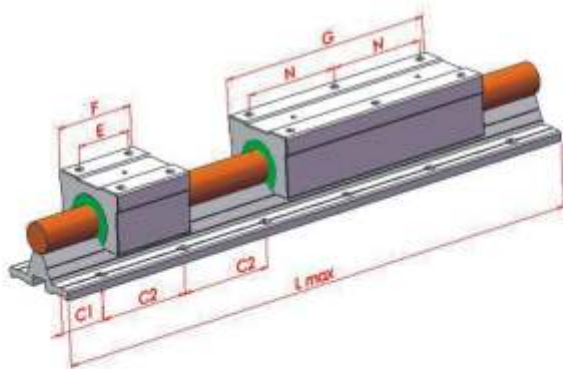
- Λύνει ζητήματα υψηλής ταχύτητας παραγωγής, δημιουργώντας ένα σύνθετο σύστημα. Ειδικά για γραμμές παραγωγής Διακίνησης προϊόντων που χρειάζονται ένα έξυπνο σύστημα διαχωρισμού συσκευασιών, είναι η "must" επιλογή.
- Provides great velocity production matters, creating a complex system. Especially for Logistic production lines that require a clever system to separate packages, is "must" application.

ΣΥΣΤΗΜΑΤΑ ΓΡΑΜΜΙΚΗΣ ΚΙΝΗΣΗΣ (οδηγοί)

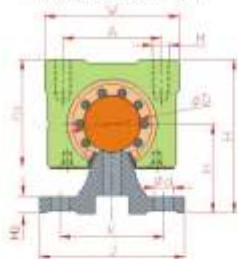
Linear Motion Systems



- 1- Shaft bottom support Profile: Aluminium (6063) Profile
- 2- Speed: 2 m/s=V max
- 3- Drive: Mechanical, Pneumatre, Manual
- 4- Shaft: Ø16-20-25-30-40 Crome Plated (0,2-0,33µm) Induction
- 5- Tolerance: L:1000 mm 0.018 mm
- 6- Driver Direction: Double Direction
- 7- Bearings: LME UUOP 16-20-25-30-40
- 8- Shaft Surface Handness: 60-63 Hrc



NARROW BLOCK



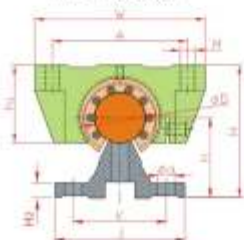
SHAFT BOTTOM
SUPPORT BEARING WITH NARROW BLOCKS

CODE	H ₂	ØD	Ød	W	A	M	H	h	h ₁	J	K	C ₁	C ₂	E	F	L _{max}
170-16-D	5	Ø16	Ø5.5	45	32	M5	46	26	33	45	33	50	100	30	45	6000
170-20-D	5,8	Ø20	Ø6.6	48	35	M6	55	32	39	52	37	50	100	35	50	6000
170-25-D	6	Ø25	Ø6.6	60	40	M8	63	36	47	57	42	60	120	40	65	6000
170-30-D	7	Ø30	Ø9	70	50	M8	75	42	72	69	51	75	150	50	70	6000
170-40-D	8	Ø40	Ø9	90	65	M10	92	50	91	73	55	100	200	65	90	8000

Ø16- 20 Long Block

G	N
120	52
140	62
160	72
180	82

WIDE BLOCK



SHAFT BOTTOM
SUPPORT BEARING WITH WIDE BLOCKS

CODE	H ₂	ØD	Ød	W	A	M	H	h	h ₁	J	K	C ₁	C ₂	E	F	L _{max}
181-16-G	5	Ø16	Ø5.5	62	50	M5	44	26	26	45	33	50	100	30	42	6000
181-20-G	5,8	Ø20	Ø6.6	68	54	M6	53	32	31	52	37	50	100	37	51	6000
181-25-G	6	Ø25	Ø6.6	82	65	M8	64	36	41	57	42	60	120	50	65	6000
181-30-G	7	Ø30	Ø9	91	75	M8	84	42	48	69	51	75	150	60	75	6000

Ø16- 20 Long Block

G	N
120	52
140	62
160	72
180	82

Preferred Locations

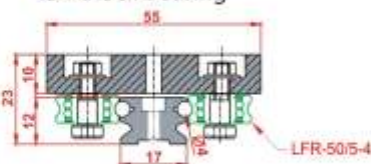
The Shaft bottom support bearing provides practical solution in Styrofarm cutting machine, Paint equipment carrier of the Camera, equivalence bearings like this machine as well as Automations.

Ø4-6-8 Roller Block Bearing

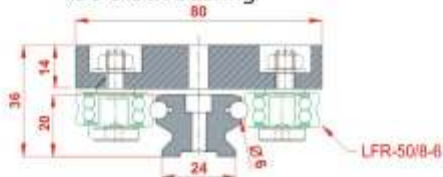


- 1 - Body: Aluminium (6063) 12x17 - 20x24 - 40x34 Profile
- 2 - Speed: Vmax 10 m/s
- 3 - Drive: Triger Belt, Manual, Chain and Pneumatic
- 4 - Shaft: Ø4-6-8 Crome (0.2-0.33 µm) No Crome Ind.
- 5 - Bearing: LFR (50/5-4) - (50/8-6) - (5200-8) KDD 62 Hrc
- 6 - Screw: (M 4x7) - (M 6x10) - (M 8x14) Smooth & Axral
- 7 - Compact: Doing blower and felt application according to the operating places
- 8- Tolerance: L (Ø4-6-8) 100 mm± 0.1 mm
- 9 - Drive Direction: Double Direction
- 10-Motor Alternatives: Optional

CODE: 107-50/5-4
Ø4 Block Bearing



CODE: 108-50/8-6
Ø6 Block Bearing



CODE: 109-5200-8
Ø8 Block Bearing

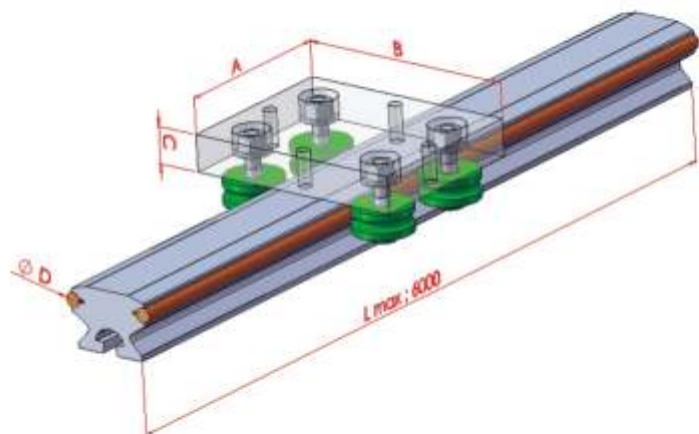
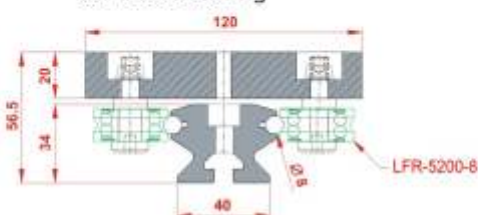
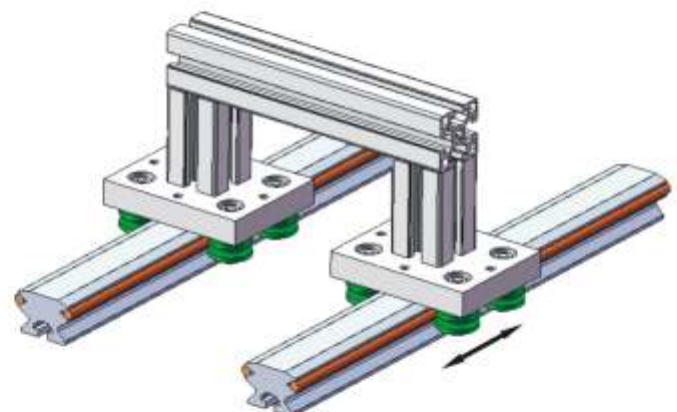
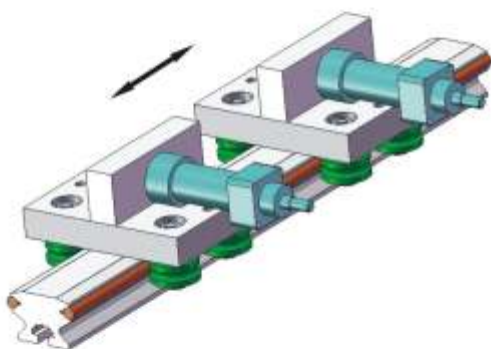


Plate Dimensions

CODE	A	B	C	øD
107-50/5-4 PL	50	55	10	4
108-50/8-6 PL	90	80	14	6
109-5200-8 PL	95	120	20	8

L max - A = Stroke



Prefered Locations

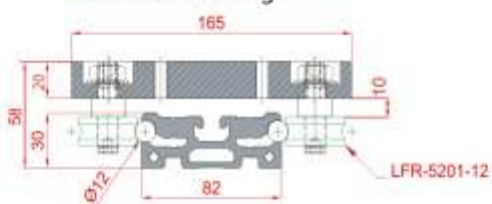
The Block bearing preferred for every kind of endurance groups, manual bearings, mechanic and Automation system as a coordinate axis. It makes up bearing for using without drive of linear motions.

Ø 12-20 Roller Block Bearing

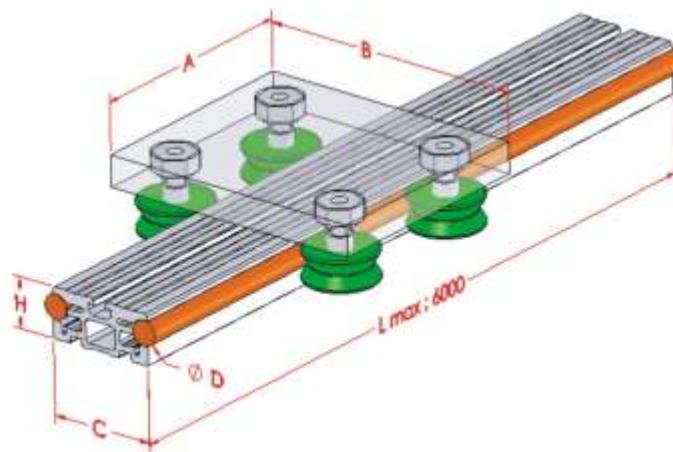
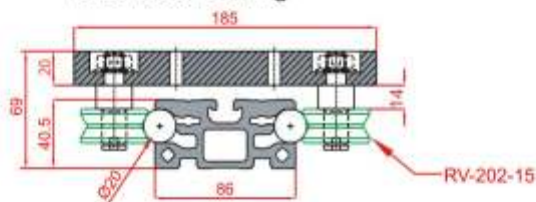


- 1 - Body: Aluminium (6063) Industrial Profile
- 2 - Speed: Vmax 6 m/s
- 3 - Drive: Triger Belt, Screw, Chain and Pneumatic
- 4 - Shaft: Ø12-20 Crome Plated (0,2-0,33µm) Induction
- 5 - Bearing: LFR (50/5-4) - (50/8-6) - (5200-8) KDD 62 Hrc
- 6 - Screw: Rv 202 - Lfr 5201 Bearing 62 Hrc
- 7 - Compact: Doing blower and felt application according to the operating places
- 8 - Tolerance: L: 1000 mm 0.1 mm
- 9 -Drive Direction: Double Direction
- 10-Motor Alternatives: Optional

CODE: 110-5201
Ø12 Block Bearing

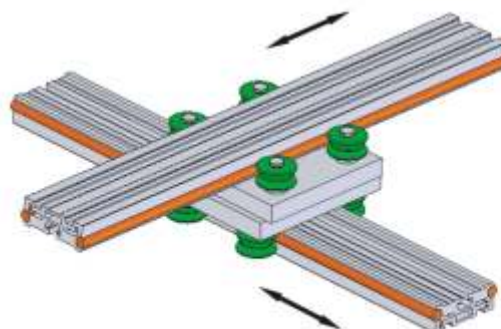
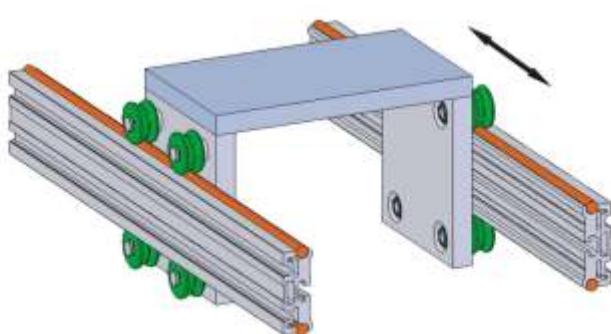


CODE: 115-202
Ø 20 Block Bearing



Technical Values					
CODE	A	B	C	øD	H
110-5201-PL	145	165	82	12	30
115-202-PL	165	185	86	20	40.5

L max - A = Stroke



Preferred Locations

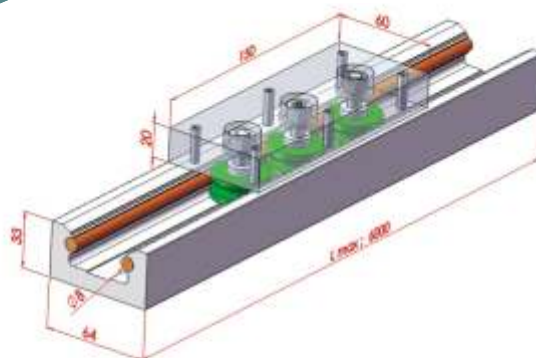
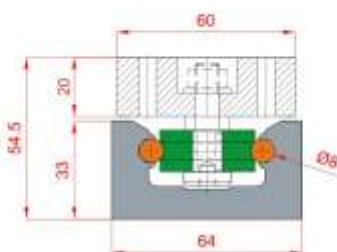
Preferable to use in Bearing of the metal sheet machine backgauge group, manual bearing etc. Mechanic and Automation systems However it can also be use in Multiaxral applications with Ball screw, nut and rack for controlling the linear motion.

Roller and Linear Closed Block Bearing

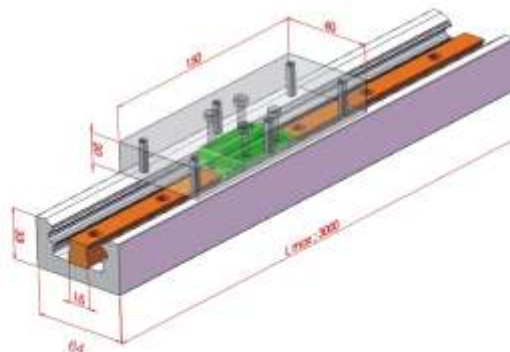
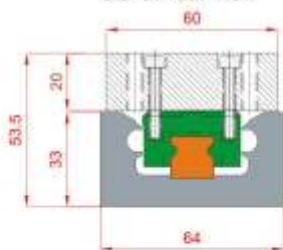


- 1 - Body: Aluminium (6063) 64 X 33 Profile
- 2 - Speed: Vmax 10 m/s
- 3 - Drive: Manual, Rack, Chain and Pneumatic
- 4 - Shaft: Ø8 Chrome Plated (0,2-0,33 µm) Induction
- 5 - Bearing: LFR 5200-8 KDD Bearing 62 Hrc
- 6 - Screw: (M 8 x 13.7) Flat and Excentric
- 7 - Linear Rail: 15' Linear Rail
- 8 - Linear Block: 15 - Narrow
- 9 - Compact: Doing blower and felt applications according to the operating places
- 10-Tolerance: L: 1000 mm 0.1 mm
- 11-Drive Direction: Double Direction
- 12-Motor Alternative: Optional

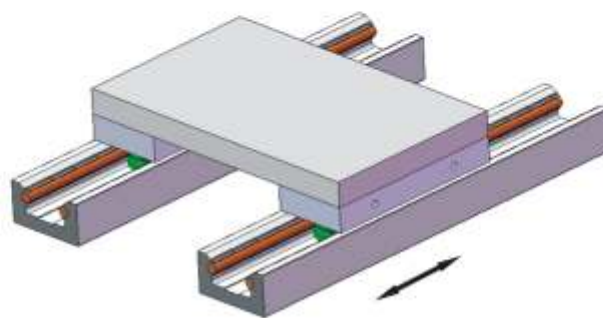
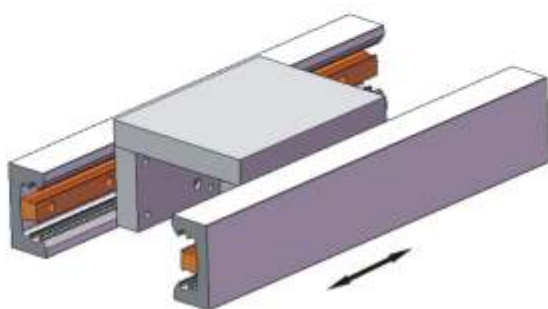
CODE: 112-5200
Ø8 LFR 5200 BEARING



CODE: 111-LNR
15' Linear Rail



CODE	Max. Loading Capacity		Static Moments		
	Fr	Fa	Mx	My	Mz
112-5200	2565N	3832.5N	186.5Nm	12	90Nm
111-Lnr	3665N	5482.5N	236.5Nm6	20	4103Nm



Preferred Locations

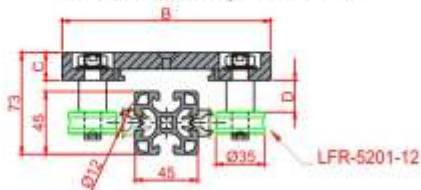
In use mostly in Pneumatic rack, chain, driver transfer applications however it can be used for Unit Transporters parallel machine bearing etc. Machine and Automation systems, generally 2 places bearings used in parallel. Possible to apply to individual axis bearing.

Roller Triger Module (45x45 - 45x60)

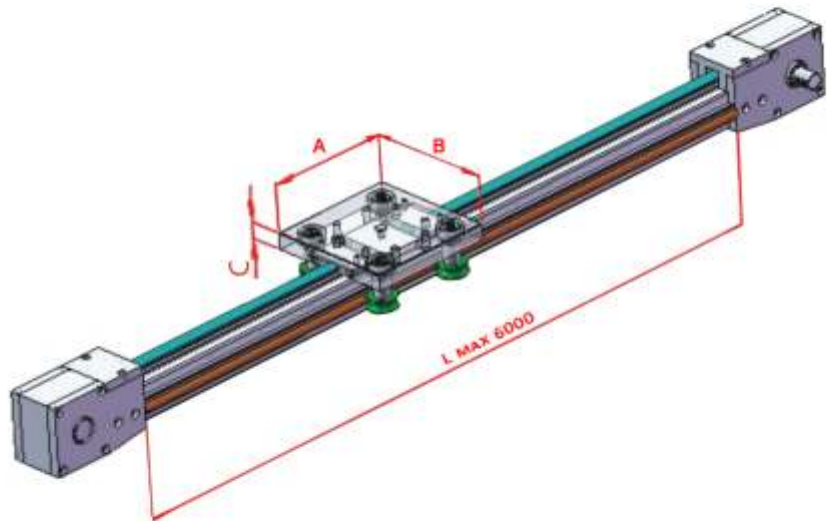
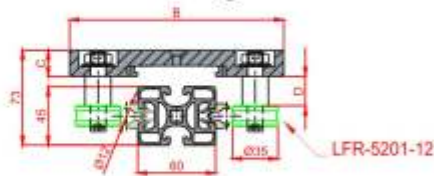


- 1 - Body: Aluminium (6064) 45x60 - 45x45 Profile
- 2 - Speed: Vmax= 2,5 m/s
- 3 - Drive: Triger Belt
- 4 - Shaft: Ø8 Crome Plated (0,2-0,33 µm) Induction
- 5 - Bearing: LFR 5201 Bearing 62 Hrc
- 6 - Screw: (M 12x22,6) Flat and Axial
- 7 - Triger Belt: T5-16F Steelwire Polyurethane
- 8 - Triger Pulley: Z30-T5-16F
- 9 - Tolerance: L:1000 mm 0.1 mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternative: AC-DC-SERVO-STEP

CODE :120-5201
Ø12 45x45 Triger Module

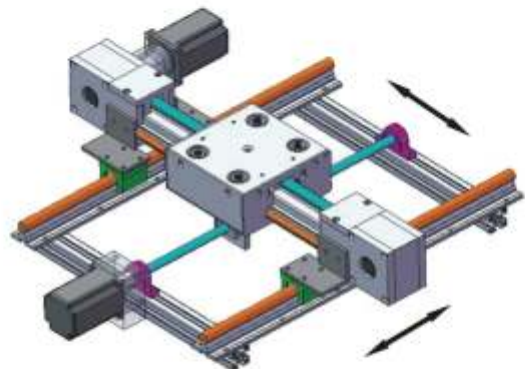
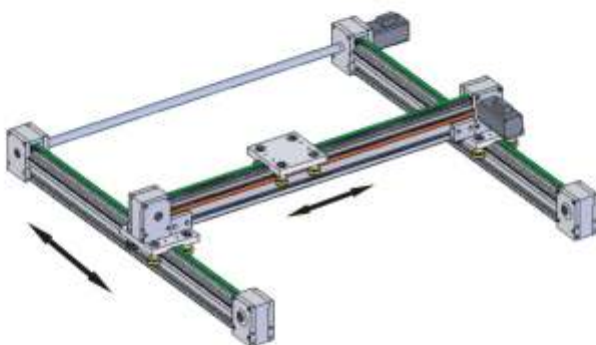


CODE :125-5201
Ø12 45x60 Triger Module



Technical Values				
CODE	A	B	C	D
120-5201-PL	155	155	20	22.6
125-5201-PL	155	155	20	22.6

L max - A = Stroke



Preferred Locations

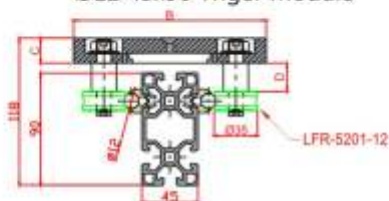
In use in preferable light loaded axial motion systems, Barcoding Automation, Camera Automation, Photocell Transfer Unit etc. Mechanic and Automation Systems.

Roller Triger Module (45x90)

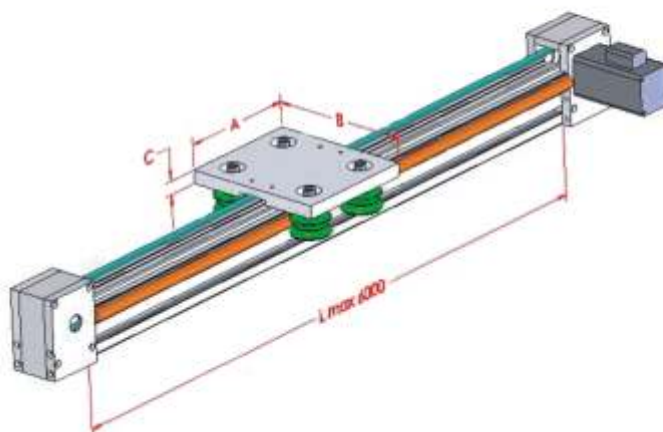
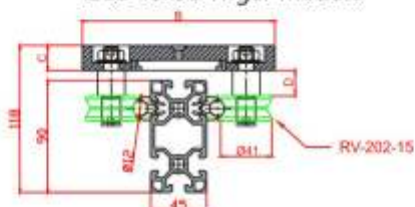


- 1 - Body: Aluminium (6063) 45x90 Profile
- 2 - Speed: $V_{max} = 3 \text{ m/s}$
- 3 - Drive: Triger Belt
- 4 - Shaft: $\varnothing 12$ Crome Plated (0,2-0,33 μm) Induction
- 5 - Bearing: LFR 5201 - Rv 202-15 Bearing 62 Hrc
- 6 - Screw: (M 12x22.5) - (M12x25) Flat and Axial
- 7 - Triger Belt: T10-22F Steelwire Polyurethane
- 8 - Triger Pulley: Z20-T10-25F
- 9 - Tolerance: L:1000 mm 0.1 mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternative: Reductor Motor
AC-DC-SERVO-STEP

CODE: 130-5201
Ø12 45x90 Triger Module

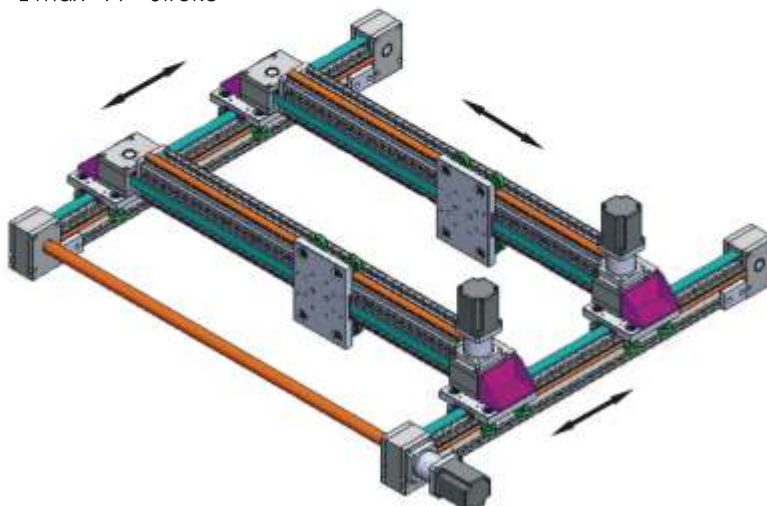


CODE: 130-202
Ø12 45x90 Triger Module



Technical Values				
CODE	A	B	C	D
130-202-PL	155	155	20	22.5
130-5201-PL	155	155	20	25

L max - A = Stroke



Prefered Locations

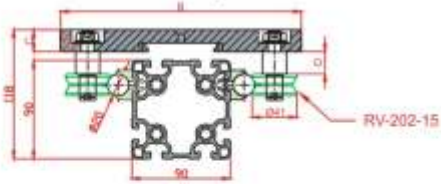
Generally used for CNC Router (Y) axis and Single axis elavator applications, Fabric banding machines etc. Mechanic and Automation Systems.

Roller Triger Module (90x90)

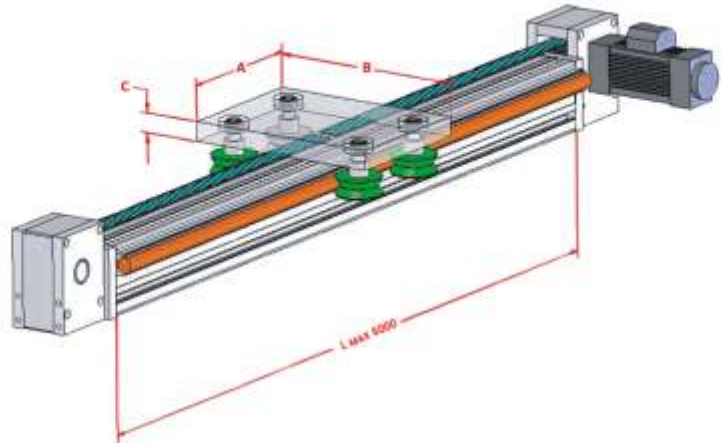
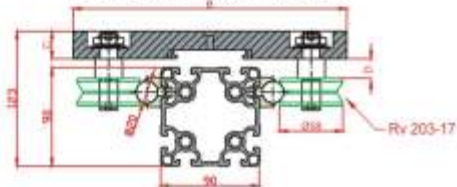


- 1 - Body: Aluminium (6063) 90x90 Profile
- 2 - Speed: $V_{max} = 2,5 \text{ m/s}$
- 3 - Drive: TrigerBelt
- 4 - Shaft: $\varnothing 20$ Chrome Plated (0,2-0,33 μm) Induction
- 5 - Bearing: Rv 202-15 - Rv 203-17 Bearing 62 Hrc
- 6 - Screw: (M 12x22.5) - (M16x20) Flat and Axial
- 7 - Triger Belt: T10-22F Steelwire Polyurethane
- 8 - Triger Pulley: Z20-T10-25F
- 9 - Compact: Doing blower and felt applications according to the operating area
- 10 - Tolerance: L:1000 mm 0.1 mm
- 11 - Drive Direction: Double Direction
- 12 - Motor Alternative: Reductor Motor
AC-DC-SERVO-STEP

CODE: 135-202
Ø20 90x90 Triger Module



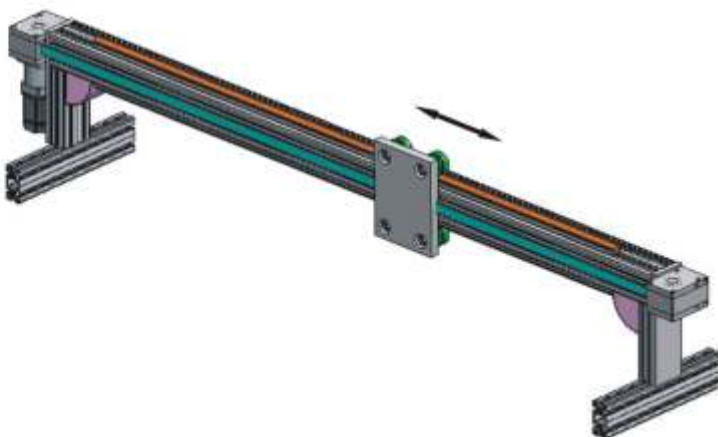
CODE: 135-203
Ø20 90x90 Triger Module



Technical Values

CODE	A	B	C	D
135-203-PL	185	255	25	20
135-202-PL	165	220	20	22.5

$L_{max} - A = \text{Stroke}$



Preferred Locations

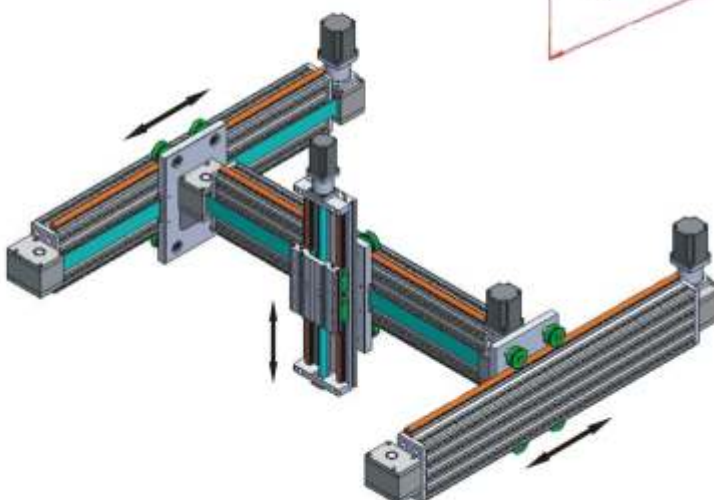
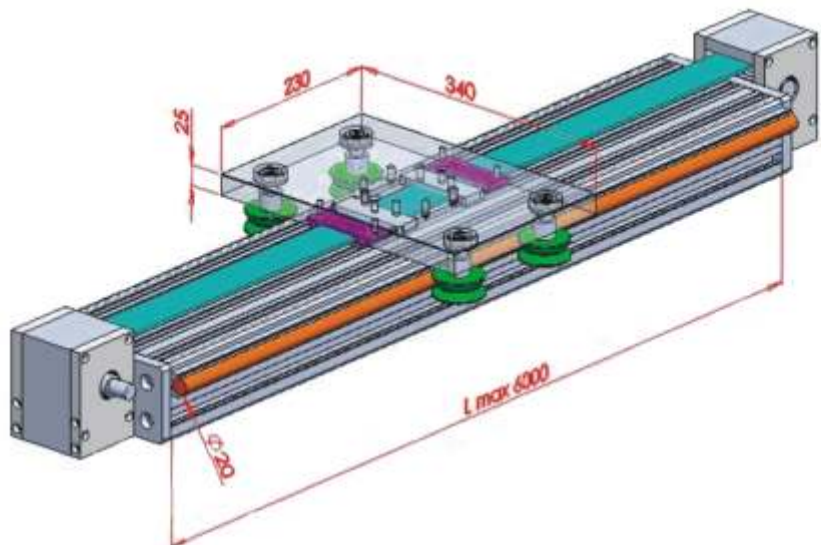
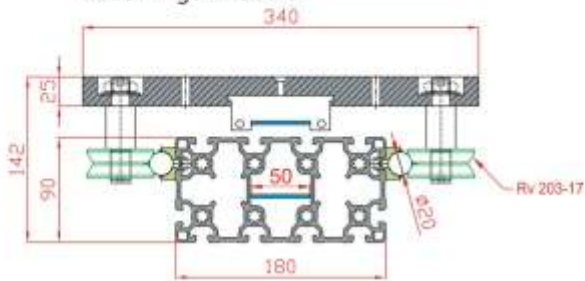
The 90 x 90 Triger Module is Supplier moments with its freshy body. It is used for Triger module plasma tables, Seal tensile machines, in (Y) axis of machines etc. Mechanical and Automation systems.

Roller Triger Module (90x180)



- 1 - Body: Aluminium (6063) 90x180 Profile
- 2 - Speed: $V_{max} = 2 \text{ m/s}$
- 3 - Drive: Triger Belt
- 4 - Shaft: $\varnothing 20$ Chrome Plated ($0,2-0,33 \mu\text{m}$) Induction
- 5 - Bearing: Rv 202-15 - Rv 203-17 Bearing 62 Hrc
- 6 - Saplama: (M 16x20.5) - (M16x18) Flat and Axial
- 7 - Triger Belt: AT10-50F Steelwire Polyurethane
- 8 - Triger Pulley: Z20-T10-50F
- 9 - Compact: Doing blower and left applications according to the operetanig area
- 10-Tolerance: L:1000 mm 0.1 mm
- 11-Drive Direction: Double Direction
- 12-Motor Alternative: Reductor Motor
AC-DC-SERVO-STEP

Code: 140-203
Roller Triger Module



Prefered Locations

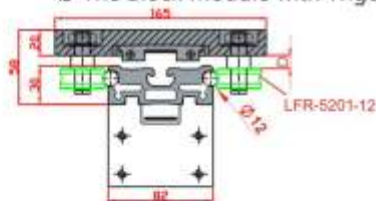
Generally used for CNC Machines, Plasma tables, Aerial transfer units etc. Mechanic and Automation Systems.



- 1 - Body: Aluminium (6063) 30x82-40x86 Profile
- 2 - Speed: $V_{max} = 2,5 \text{ m/s}$
- 3 - Drive: Triger Belt
- 4 - Shaft: Ø12-20 Chrome Plated ($0,2-0,33 \mu\text{m}$) Induction
- 5 - Bearing: Rv 202-15 - Lfr 5201 Bearing 62 Hrc
- 6 - Screw: (M 12x19) - (M12x10) Flat and Axial
- 7 - Triger Belt: T10-25F Steelwire Polyurethane
- 8 - Triger Pulley: Z16-T10-25F
- 9 - Tolerance: L:1000 mm 0.1 mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternative: Reductor Motor
AC-DC-SERVO-STEP

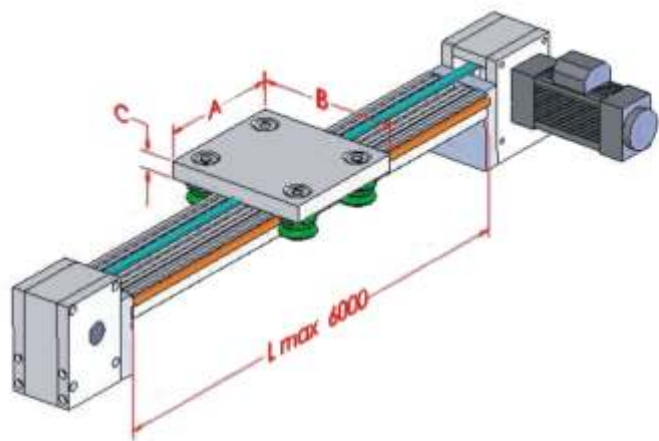
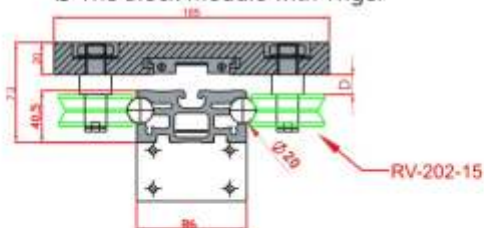
Code: 114-5201

Ø The Block Module with Triger



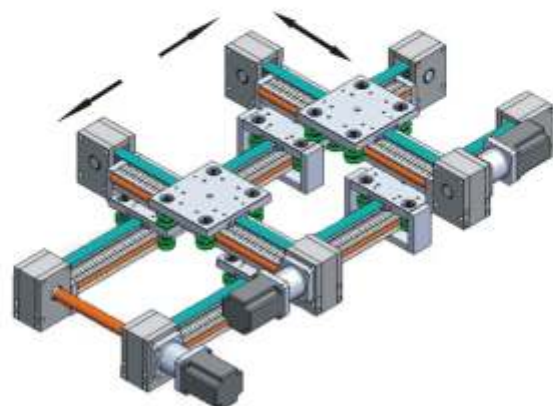
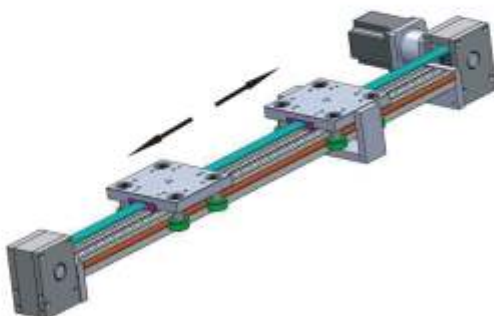
Code: 119-202

Ø The Block Module with Triger



Technical Values				
CODE	A	B	C	D
114-5201-PL	145	165	25	10
119-202-PL	165	185	20	19

$L_{max} - A = \text{Stroke}$



Prefered Locations

Generally used for CNC Router (Y) axis and Single axis elevator applications, Fabric banding machines etc. Mechatronics and Automation Systems.



- 1 - Body: Aluminium (6063) 30x82-40x86 Profile
- 2 - Speed: $V_{max} = 0,13 \text{ m/s} - 0,42 \text{ m/s}$
- 3 - Drive: Screwed
- 4 - Ball Screw: Ø16-05 - 16-16 Step
- 5 - Shaft: Ø12-20 Chrome Plated (0,33) Induction
- 6 - Bearing: Rv 202 - Lfr 5201 Bearing 62 Hrc
- 7 - Screw: (M 12x28) - (M12x22.6) Flat and Excentric
- 8 - Compact: Doing blower and felt applications according to the operating areas and Types
- 9 - Tolerance: L:1000 mm 0.05 mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternative: Reductor Motor
AC-DC-SERVO-STEP

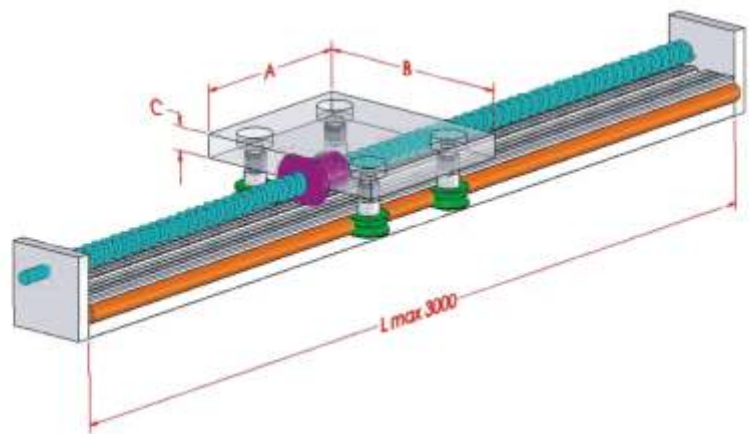
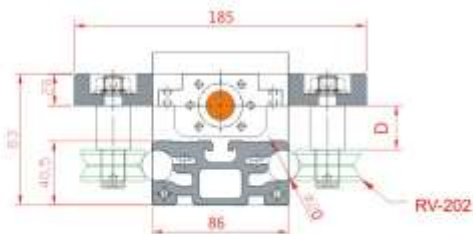
CODE: 111-5201

Ø12 The Block Module with Screw



CODE: 116-202

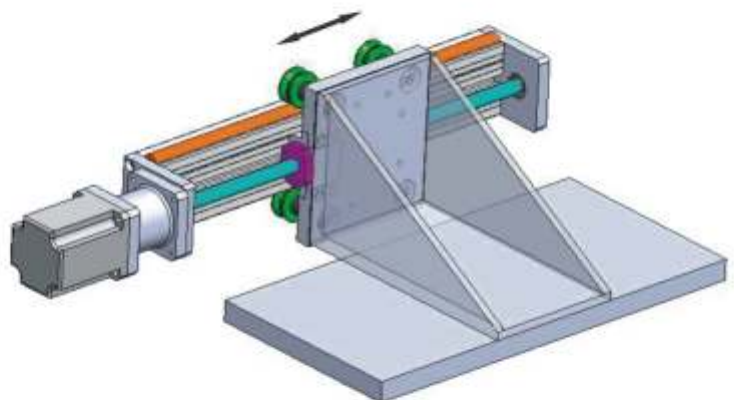
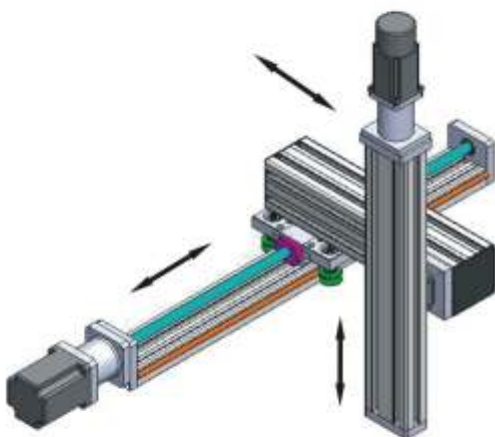
Ø20 The Block Module with Screw



Technical Values

CODE	A	B	C	D
111-5201-PL	145	165	20	22.6
116-202-PL	165	185	20	28

$L_{max} - A = \text{Stroke}$



Preferred Locations

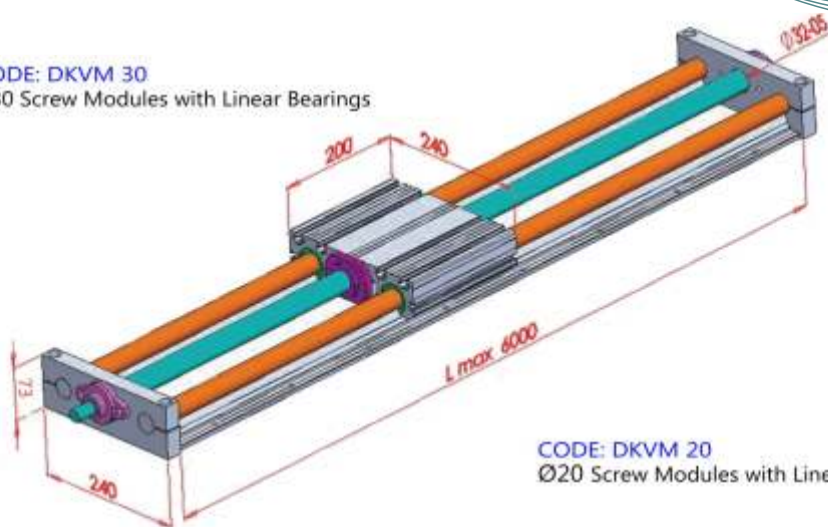
Perferable for Spot welding, Labelling machine, Seal tensile machine (Z) mechanical and Automation systema. Preferred motor alternatives can be applied.



- 1 - Body: Aluminium (6063) Profile
- 2 - Speed: $V_{max} = 0,17 \text{ m/s}$
- 3 - Drive: Ball Screw, Trapeze Shaft
- 4 - Shaft: $\varnothing 20\text{-}30$ Chrome Plated (0.2-0,33) Induction
- 5 - Linear Rulman: 20UU OP-30 UU OP
- 6 - Ball Screw: 20-50 - 32-05 Step
- 7 - Flanged Nut: FSU 20-05 - FSU 32-05
- 8 - Compact: It enables to do Blower and Saving left applications according to using area and Types
- 9 - Tolerance: L: 1000 mm 0.05mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternative: Redu AC-DC-SERVO-STEP

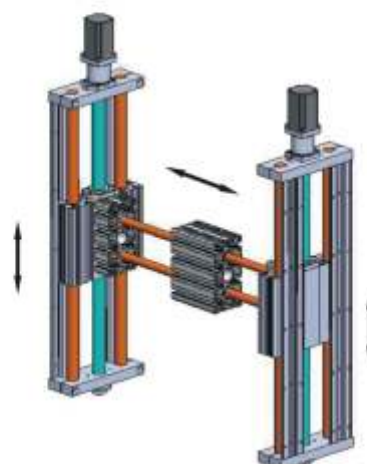
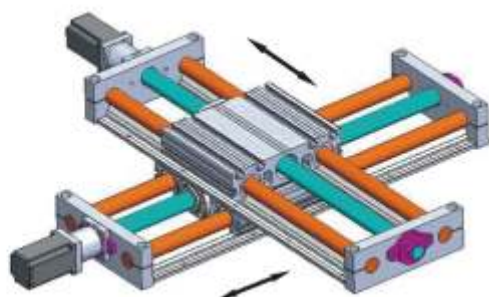
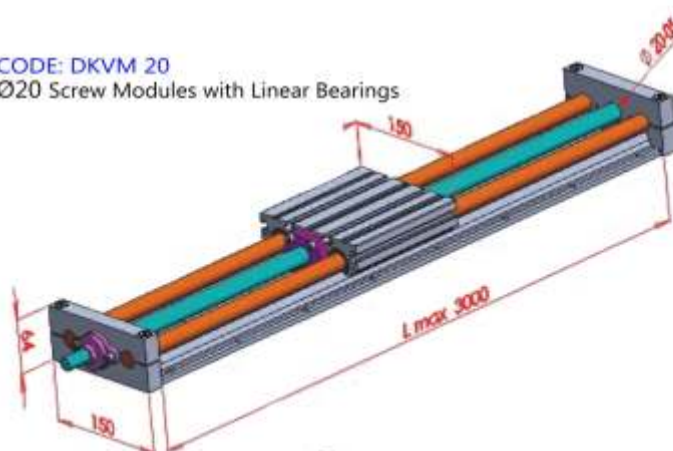
CODE: DKVM 30

$\varnothing 30$ Screw Modules with Linear Bearings



CODE: DKVM 20

$\varnothing 20$ Screw Modules with Linear Bearings



Preferred Locations

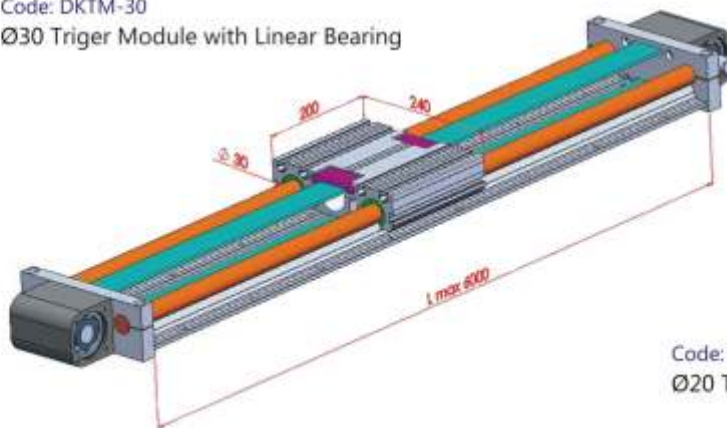
In use with Furniture decoration working machines, Styrofoam cutting machines, CNC Router tables, (Z) Axis of CNC Router, of mini CNC Router and mechanic and Automation Units.



- 1 - Body: Aluminium (6063) Profile
- 2 - Speed: $V_{max} = 3,2 \text{ m/sn} - 4,7 \text{ m/sn}$
- 3 - Drive: Triger Belt, Screw
- 4 - Shaft: $\varnothing 20\text{-}30$ Chrome Plated (0.2-0,33) Induction
- 5 - Bearing: LME 20 UU OP - LME 30 UU OP
- 6 - Triger Belt: 5M-30 - 8M-50
- 7 - Triger Pulley: Z26-M5-30F - Z24-8M-50F
- 8 - Compact: Doing Blower applications according to operating areas and Types
- 9 - Tolerance: L: 1000 mm 0.1mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternative: Redu AC-DC-SERVO-STEP

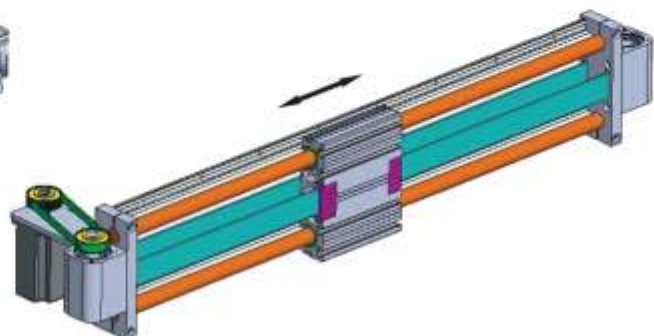
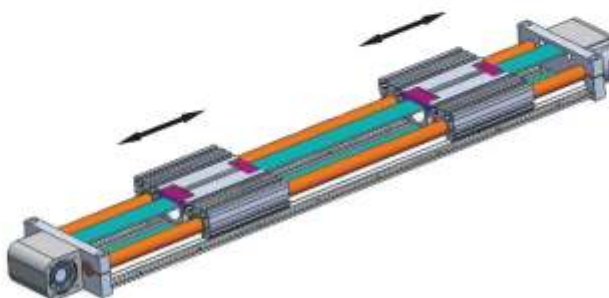
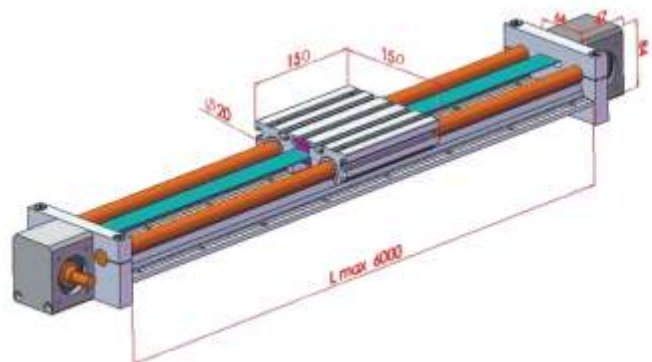
Code: DKTM-30

Ø30 Triger Module with Linear Bearing



Code: DKTM-20

Ø20 Triger Module with Linear Bearing



Preferred Locations

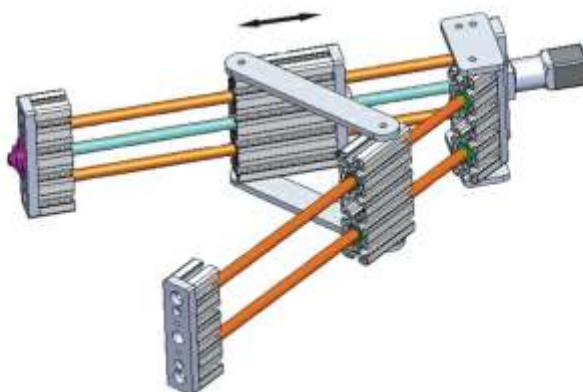
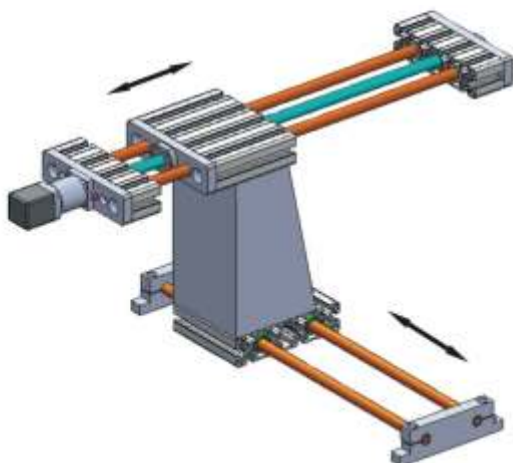
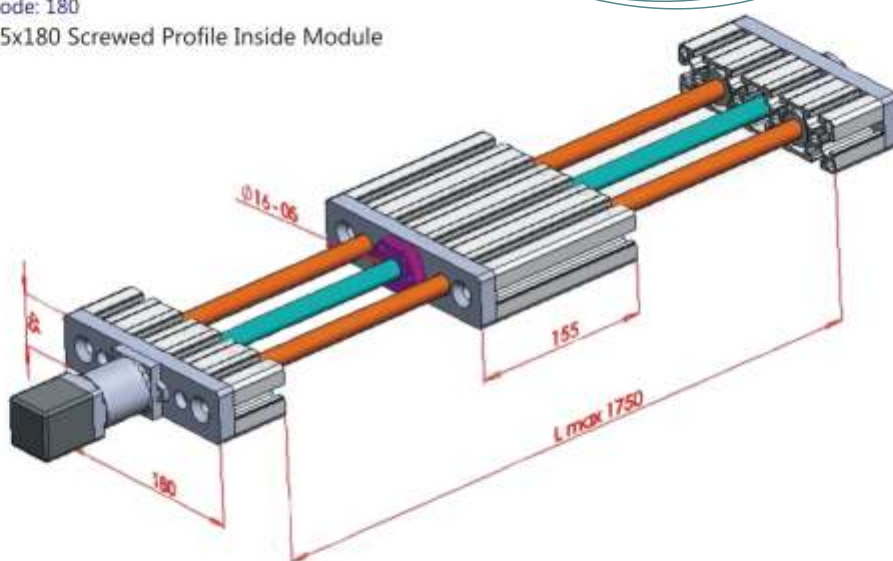
These particular Modules are manufactured in 2 different Types depending on loading applications. DKTM 30 is the most preferred type because of its 50mm Triger belt. It's Suitable for very heavy functioning.

Screwed Profile Inside Module (45x180)



- 1 - Body: Aluminium (6063) 45x180 Profile
- 2 - Speed: $V_{max} = 0,13 \text{ m/s} - 0,42 \text{ m/s}$
- 3 - Ball Screw: $\varnothing 16-05-16-16$ Ball Screw
- 4 - Flanged Nut: FSU 16-05 - FSU 16-16
- 5 - Tahrik: Ball Screw, Trapeze Shaft
- 6 - Shaft: $\varnothing 16$ Chrome Plated ($0.2-0,33 \mu\text{m}$) Induction
- 7 - Bearing: LME UU 16
- 8 - Compact: Doing Blower applications according to operating areas and Types
- 9 - Tolerance: L: 1000 mm 0.05 mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternative: Redu AC-DC-SERVO-STEP

Code: 180
45x180 Screwed Profile Inside Module



Preferred Locations

Generally preferred in (Z) Axes of the Barcode reading, Laser scanning, Moving the Lens and Styrofoam Cutting machines.

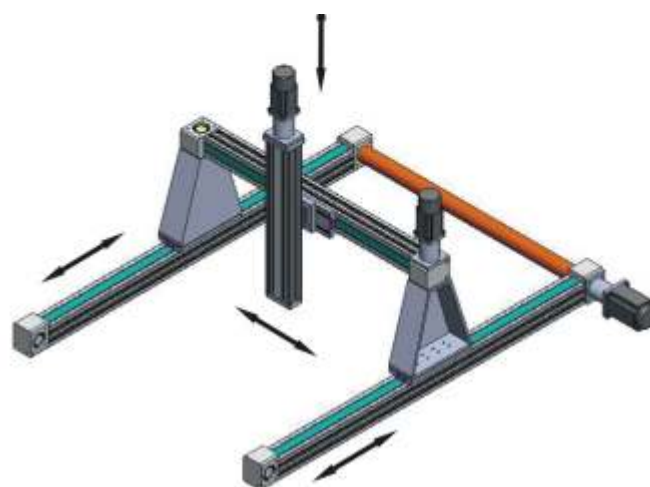
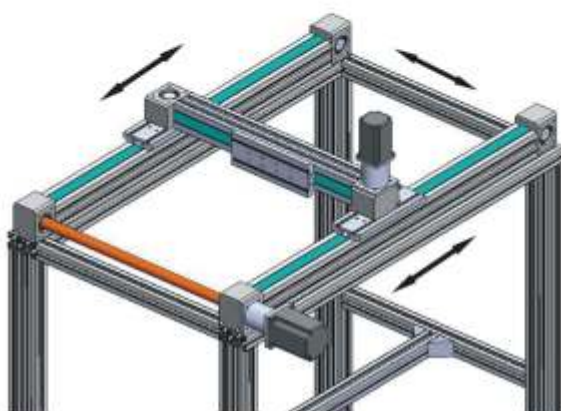
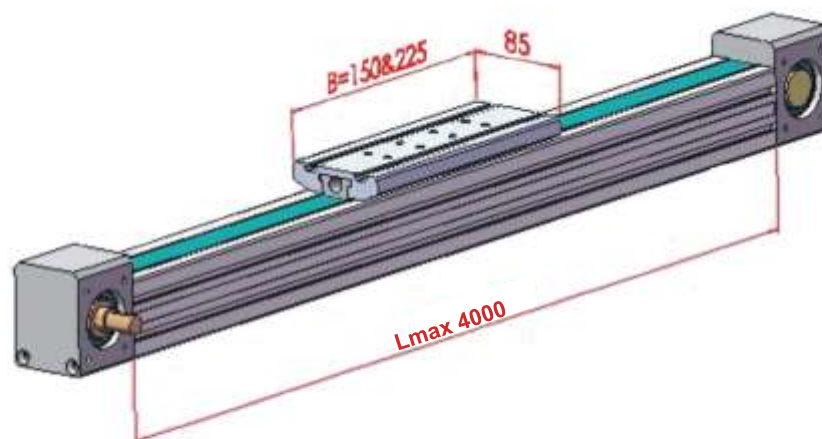
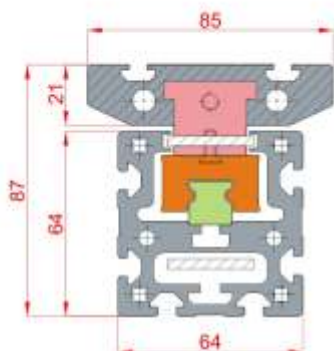
Compact Module with Linear Triger (64x64)



- 1 - Body: Aluminium (6063) 64x64 Profile
- 2 - Speed: $V_{max} = 5 \text{ m/s}$
- 3 - Drive: Triger Belt
- 4 - Triger Belt: 5m-30
- 5 - Triger Pulley: Z26-5m-30F
- 6 - Linear Rail: 15
- 7 - Linear Block: 17-Narrow
- 8 - Compact: Self Compact Design Feature
- 9 - Tolerance: L: 1000 mm 0.02 mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternative: Redu AC-DC-SERVO-STEP

Code: 160-15

64x64 Compact Module with Linear Triger



Prefered Locations

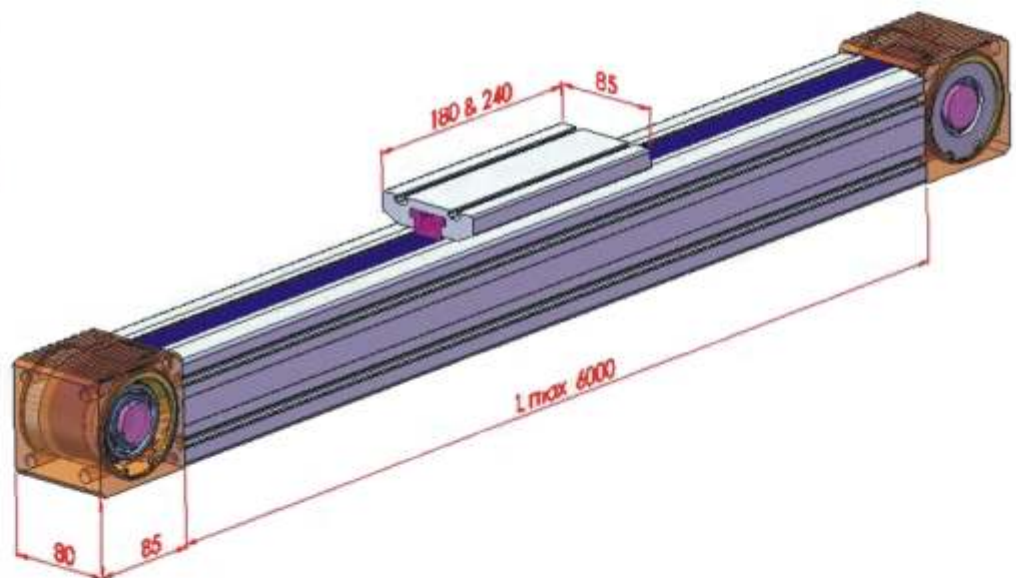
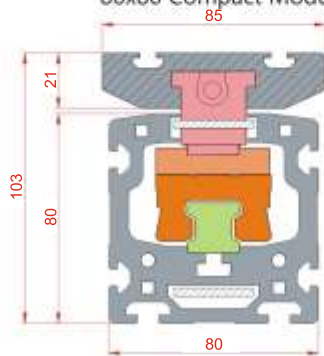
This particular Module is smallest size of closed type modules it is prefered for Hygine requiring enviroments and high-precision applications. The Machine can use at (X) Axis and Individual axis. It is an Ideal option for Print Screen machine, Package machine and most machine units.

Linear Compact Module with Triger (80x80)



- 1 - Body: Aluminium (6063) 80x80 Profile
- 2 - Speed: $V_{max} = 5 \text{ m/s}$
- 3 - Drive: Triger Belt
- 4 - Triger Belt: 5m-30
- 5 - Triger Pulley: Z40-5m-30F
- 6 - Linear Rail: 20
- 7 - Linear Block: 20-Narrow
- 8 - Compact: Self Compact Design Feature
- 9 - Tolerance: L: 1000 mm 0.02 mm
- 10-Drive Direction: Double Direction

Code: 161-20
80x80 Compact Module with Linear Triger



Preferred Locations

This Module is enables to use in Maximum tolerance for middle loading. The Linear Compact module with Triger is using in (X) Axis of machines. However it can also be used for different machines, easily which it needs single axis such as CNC bridge moving.

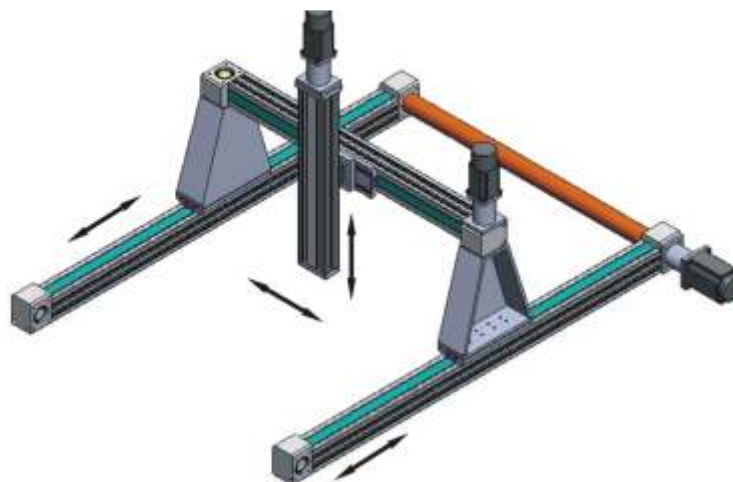
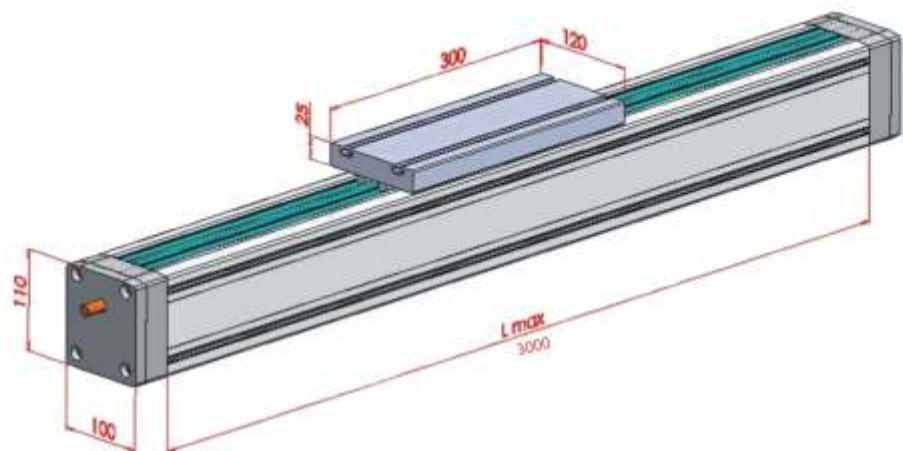
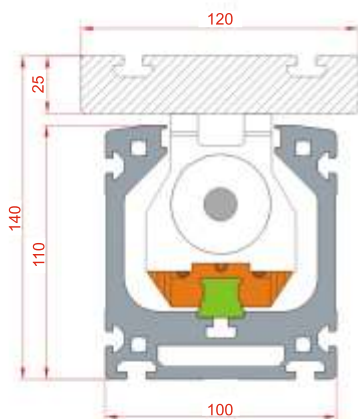
Compact Module with Linear Triger (100x110)



- 1 - Body: Aluminium (6063) 100x110 Profile
- 2 - Speed: $V_{max} = 5 \text{ m/s}$
- 3 - Drive: Triger Belt
- 4 - Triger Belt: 5m-30
- 5 - Triger Pulley: Z40-5m-30F
- 6 - Linear Rail: 20
- 7 - Linear Block: 20-Narrow
- 8 - Compact: Self Compact Design Feature
- 9 - Tolerance: L: 1000 mm 0.02 mm
- 10-Drive Direction: Double Direction

Code: 162-20

100x110 Compact Module with Linear Triger



Preferred Locations

Generally used for CNC Router (Y) axis and Single axis elevator applications, Fabric banding machines etc. Mechatronics and Automation Systems.

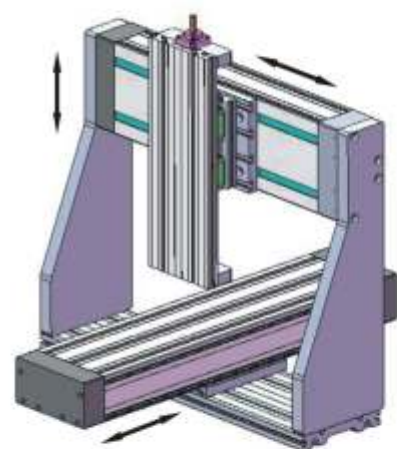
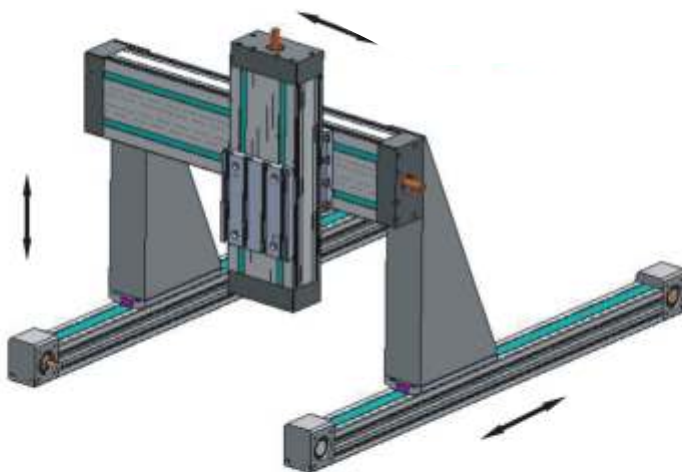
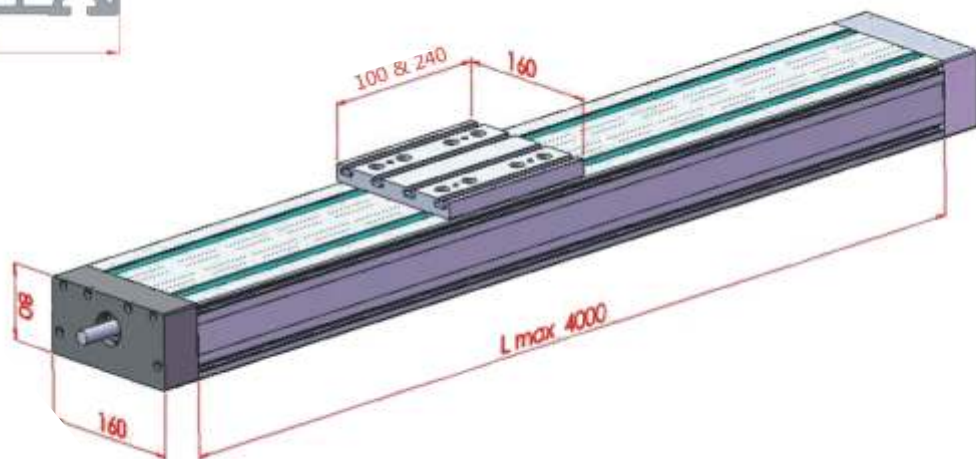
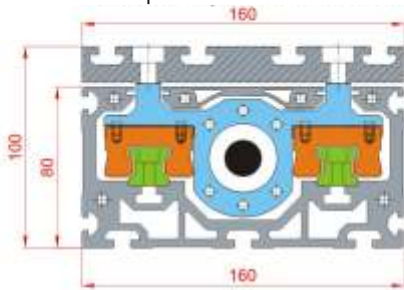
Linear Compact Module with Screw (80x160)



- 1 - Body: Aluminium (6063) 80x160 Profile
- 2 - Speed: $V_{max} = 0.17 \text{ m/sn} - 0,34 \text{ m/sn}$
- 3 - Drive: Ball Screw
- 4 - Ball Screw: 20-05 - 25-10 Step
- 5 - Flanged Nut: FSU-20 - FSU-25
- 6 - Linear Rail: 20
- 7 - Linear Block: 20-Narrow
- 8 - Compact: Self Compact Design Feature
- 9 - Tolerance: L: 1000 mm 0.02 mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternatives: Reductor Motor
AC-DC-SERVO-STEP

Code: 163-20

80x160 Compact Module with Linear Screw



Preferred Locations

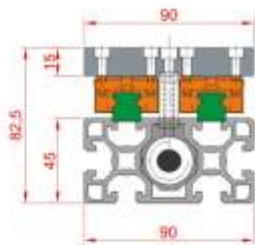
The 80 x 160 Compact Module has high moment working capacity because of Screw. It uses (Y) and (Z) Axes and Multiaxial Units It is preferred for wood working machines for Tables, Transfer Units, Cutting machines etc. Units.

Spot Module (45x90 - 90x90)

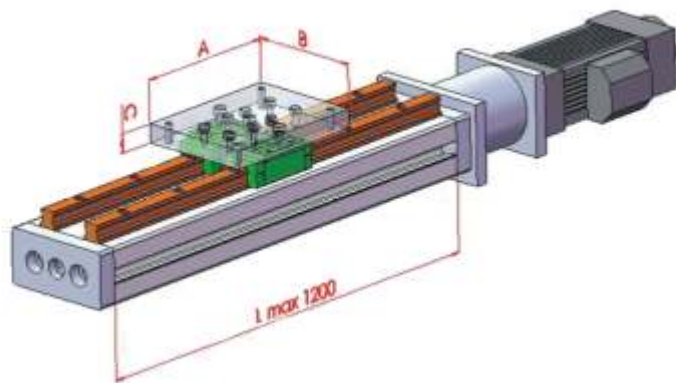
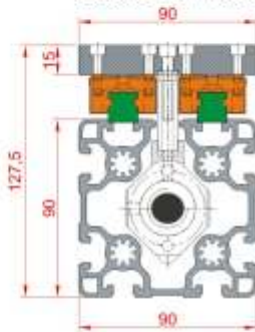


- 1 - Body: Aluminium (6063) 45x90 ve 90x90 Profile
- 2 - Speed: $V_{max} = 0.1 \text{ m/sn} - 0,13 \text{ m/sn}$
- 3 - Drive: Ball Screw
- 4 - Linear Rail: 15
- 5 - Linear Block: 15-Narrow
- 6 - Ball Screw: $\varnothing 12-05 \text{ (Step)} - \varnothing 16-05 \text{ (Step)}$
- 7 - Cylindrical Nut: RSU-12-05 RSU-16-05
- 8 - Compact: It enables to do Blower and Felt applications according to using area and type
- 9 - Tolerance: L: 1000 mm 0.02 mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternatives: Reductor Motor
AC-DC-SERVO-STEP

CODE: 150-12
45x90 SPOT MODULE



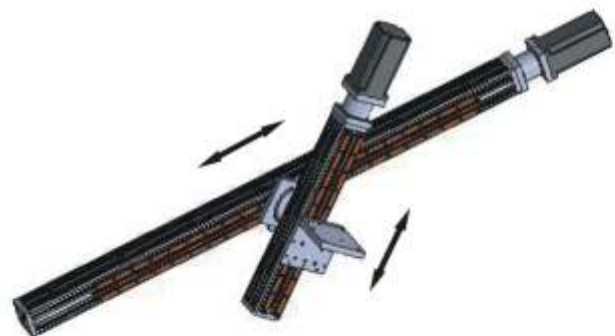
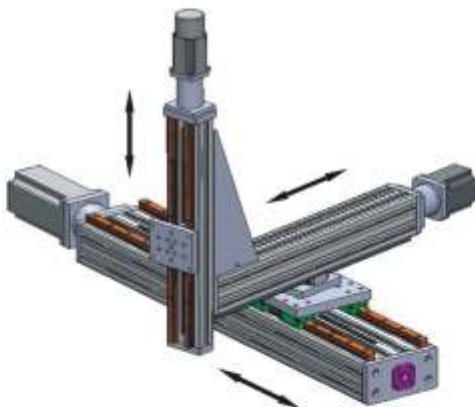
CODE: 155-16
90x90 SPOT MODULE



Technical Values

CODE	A	B	C
150-12-PL	120	90	15
155-16-PL	120	90	15

$L_{max} - A = \text{Stroke}$



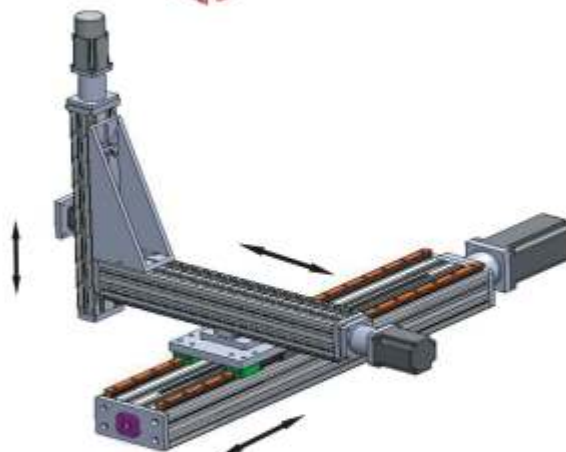
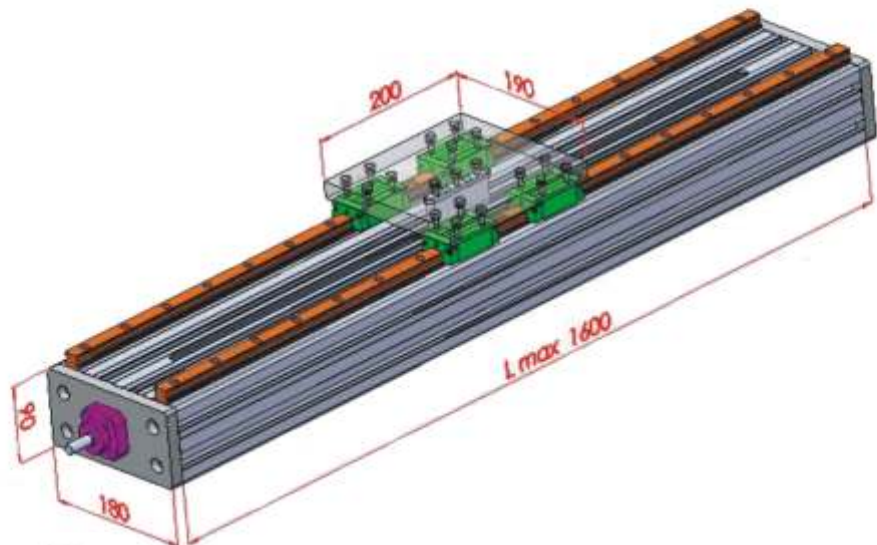
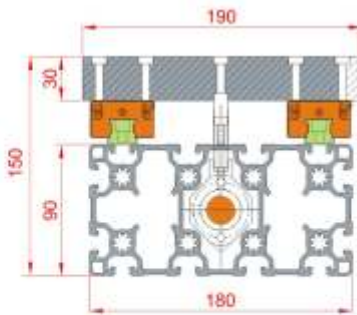
Preferred Locations

Generally can be used for (Z) Axes of Plasma tables and CNC Routers, (Z) Axes units an like Axial motions.



- 1 - Body: Aluminium (6063) 90x180 (L) Profile
- 2 - Speed: $V_{max} = 0.17$ m/sn
- 3 - Drive: Ball Screw
- 4 - Linear Rail: 20-Hs
- 5 - Linear Block: 20-Narrow
- 6 - Ball Screw: $\varnothing 20-05$ (Step)
- 7 - Cylindrical Nut: RSU-20-05
- 8 - Tolerance: L: 1000 mm 0.02 mm
- 9 - Drive Direction: Double Direction
- 10-Motor Alternatives: Reductor Motor
AC-DC-SERVO-STEP

CODE: 156-20
90x180 SPOT MODULE



Preferred Locations

Generally used for CNC Router (Y) axis and Single axis elevator applications, Fabric banding machines etc. Mechatronics and Automation Systems. It is suitable for heavy loading class working.

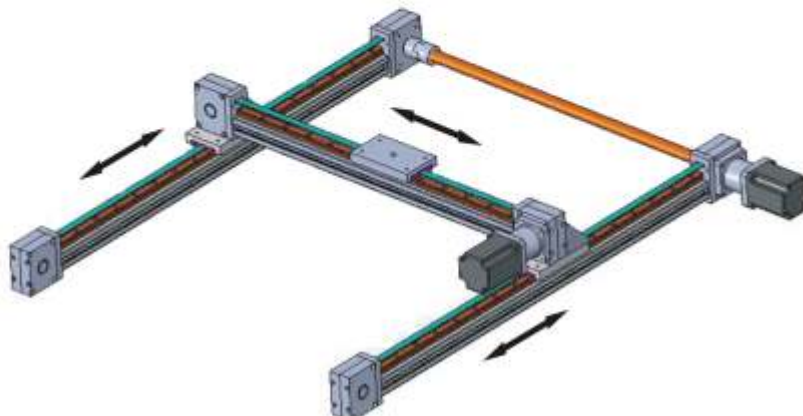
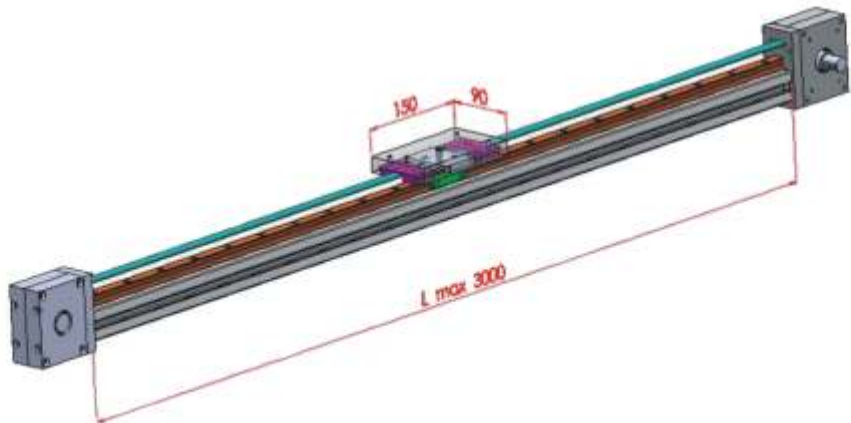
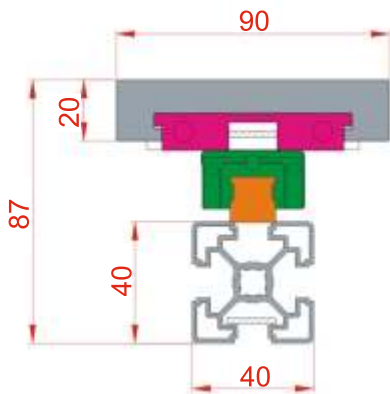
Linear Triger Module (40x40)



- 1 - Body: Aluminium (6063) 40x40 Profile
- 2 - Speed: $V_{max} = 4 \text{ m/s}$
- 3 - Drive: Triger Belt
- 4 - Linear Rail: 15
- 5 - Linear Block: 15-Narrow
- 6 - Tiger Belt: T5-16F Steelwire Polyurethane
- 7 - Tiger Pulley: Z27-T5-16F
- 8 - Tolerance: L: 1000 mm 0.05 mm
- 9 - Drive Direction: Double Direction
- 10-Motor Alternatives: Reductor Motor
AC-DC-SERVO-STEP

CODE :156

40x40 Linear Triger Module



Prefered Locations

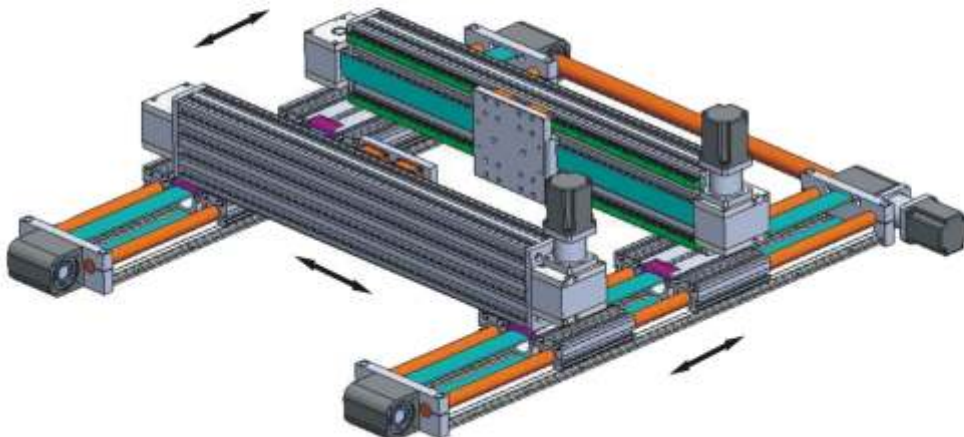
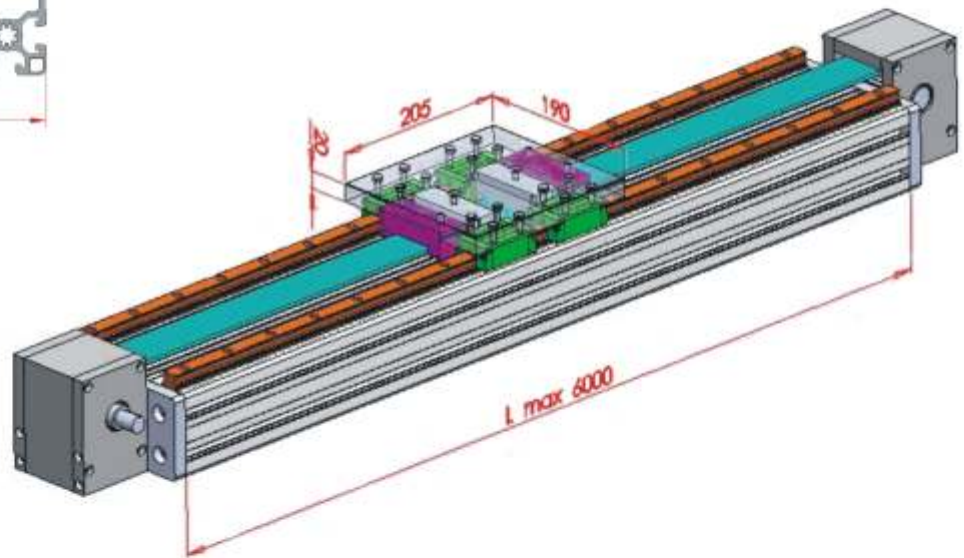
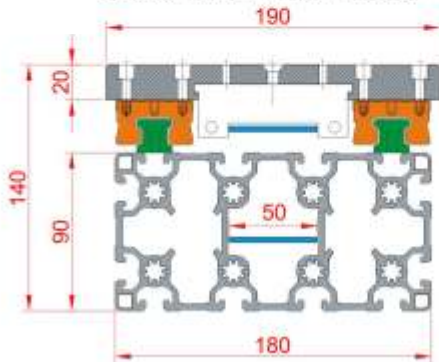
The Module is satisfy the performance at narrow areas with its classy systems and high precision working property. It can be used for cutting blades and mass production which is connected.

Linear Triger Module (90x180)



- 1 - Body: Aluminium (6063) 90x180 Profile
- 2 - Speed: $V_{max} = 5 \text{ m/s}$
- 3 - Drive: Triger Belt
- 4 - Linear Rail: 20
- 5 - Linear Block: 20-Narrow
- 6 - Triger Belt: T10-F50 Steelwire Polyurethane
- 7 - Triger Pulley: Z20-AT 10-F50AL
- 8 - Tolerance: L: 1000 mm 0.02 mm
- 9 - Drive Direction: Double Direction
- 10-Motor Alternatives: Reductor Motor
AC-DC-SERVO-STEP

CODE: 141-LNR
90x180 Linear Triger Module



Preferred Locations

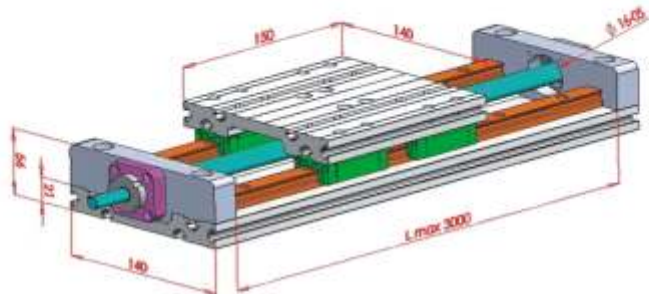
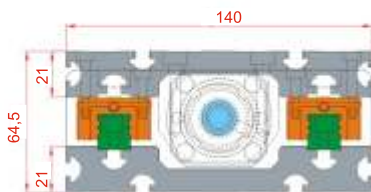
It is preferable to use for machining process tools, CNC bridges, Uniaxial carriers which is longer then 6 mt. and mechanical automation system. It is advised for strong bearing, high moment applications.

Linear Z Axis Module (15-20 Rail)

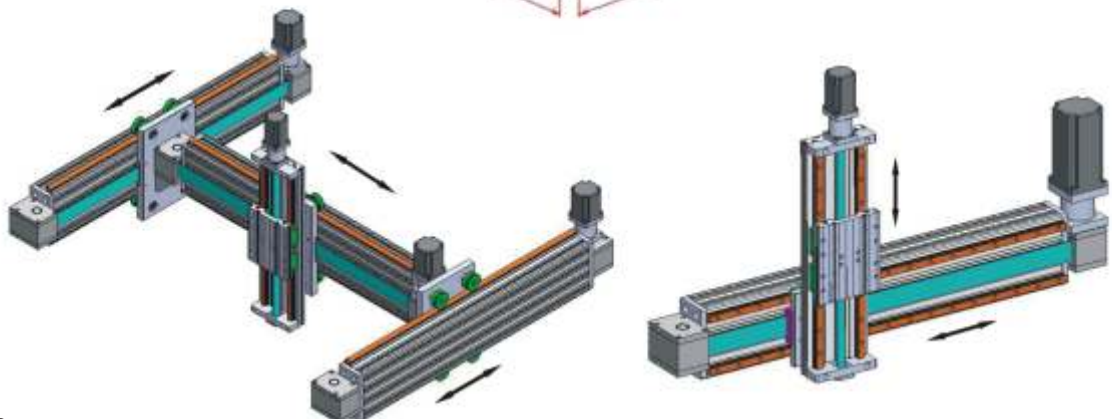
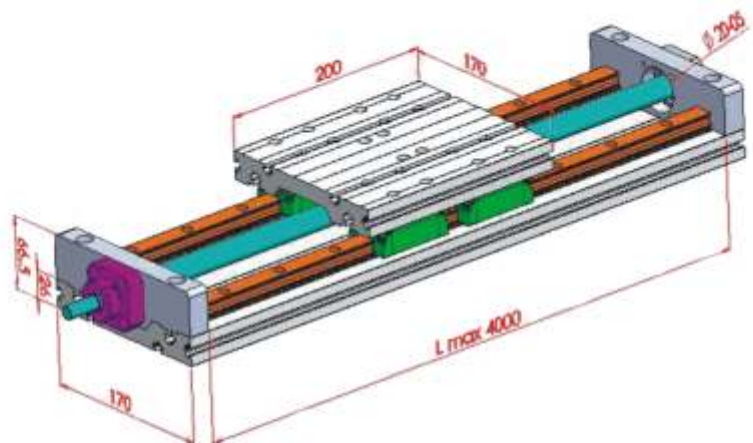
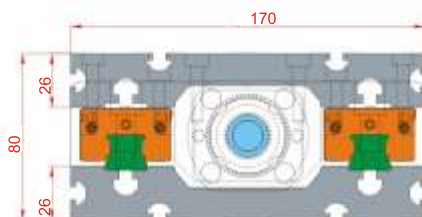


- 1 - Body: Aluminium (6063) 21x140 - 26x170 Profile
- 2 - Speed: $V_{max} = 0,13 \text{ m/sn} - 0,17 \text{ m/s}$
- 3 - Drive: Ball Screw
- 4 - Linear Rail: 15-20
- 5 - Linear Block: 15-20-Narrow
- 6 - Vidali Mil: 16-05 - 20-05 Step
- 7 - Flanged Nut: FSU 16-05 - FSU 20-05
- 8 - Compact: It enables to do Blower and Felt applications according to using area and type
- 9 - Tolerance: L: 1000 mm 0.01 mm
- 10-Drive Direction: Double Direction
- 11-Motor Alternatives: Reductor Motor
AC-DC-SERVO-STEP

Code: DKZM-15
15 Linear Z Axis Module



Code: DKZM-20
20 Linear Z Axis Module



Preferred Locations

Z-axis machines such as the name used as these modules are usually mounted on the machining process spindle engine machines bearing allows for a perfect pass to give the maximum length of individual axes made optional on usage.

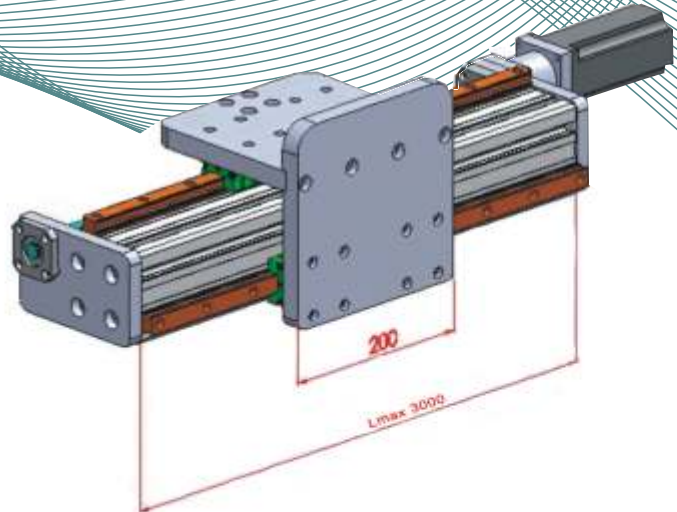
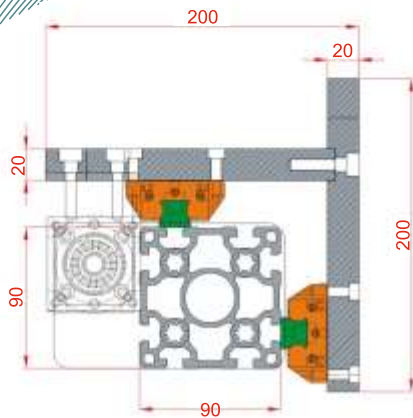
Linear Bridge Module with Screw (90x90)



- 1 - Body: Aluminium (6063) 90x90 Profile
- 2 - Speed: $V_{max} = 0,1 \text{ m/sn}$
- 3 - Drive: Ball Screw
- 4 - Linear Rail: 20
- 5 - Linear Block: 20-Wide
- 6 - Ball Screw: 20-05 Step
- 7 - Flanged Nut: FSU 25-05
- 8 - Tolerance: L: 1000 mm 0.01 mm
- 9 - Drive Direction: Double Direction
- 10-Motor Alternatives: Reductor Motor
AC-DC-SERVO-STEP

Code: 157

90x90 Linear Bridge Module with Screw



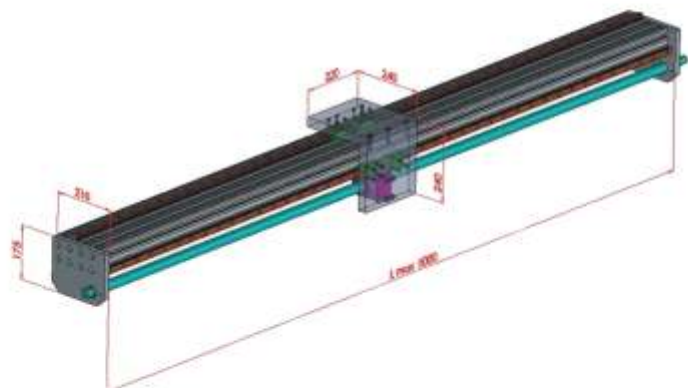
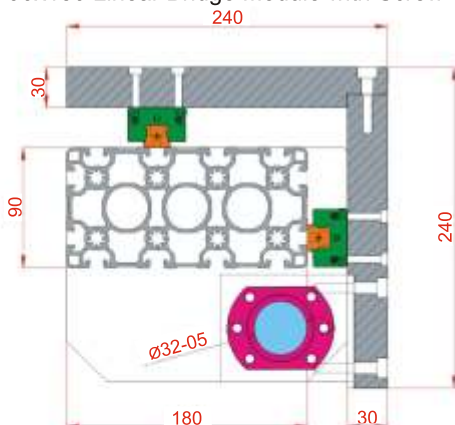
Linear Bridge Module with Screw (90x180)



- 1 - Body: Aluminium (6023) 90x180 Profile
- 2 - Speed: $V_{max} = 0,17 \text{ m/sn}$
- 3 - Drive: Ball Screw
- 4 - Linear Rail: 20
- 5 - Linear Block: 20-Narrow
- 6 - Ball Screw: 32-05 - 20-05 Step
- 7 - Flanged Nut: FSU 32-05 - FSU 20-05
- 8 - Tolerance: L: 1000 mm 0.02 mm
- 9 - Drive Direction: Double Direction
- 10-Motor Alternatives: Reductor Motor
AC-DC-SERVO-STEP

Code: 158

90x180 Linear Bridge Module with Screw



INDUCTION HARDENED SHAFTS CHROME - STAINLESS STEEL



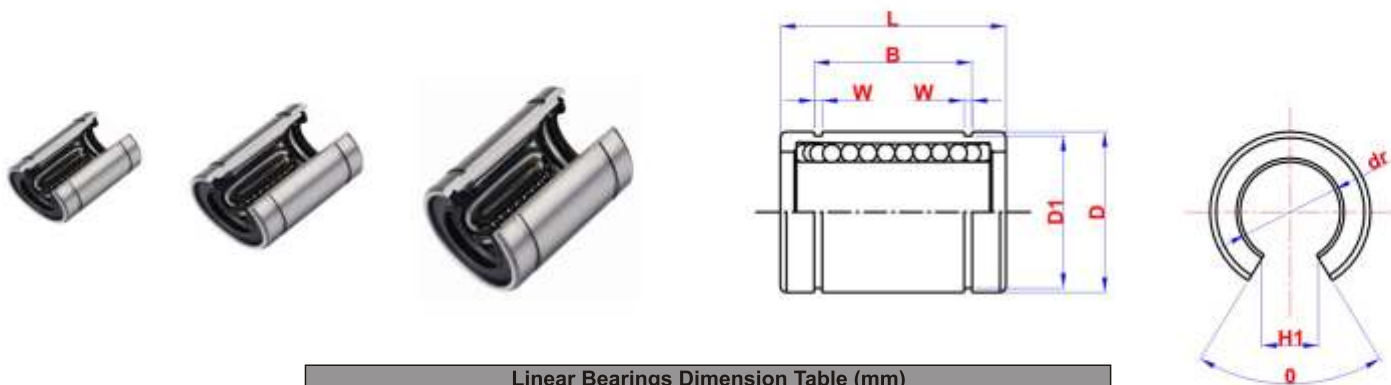
Induction Shafts Dimension Table			
Product Code	Shaft size (d)	Weight (kg/m)	L max
W4-WWL	4	0,054	6000 mm
W6-WWL	6	0,22	6000 mm
W8-WWL	8	0,39	6000 mm
W12-WWL	12	0,88	6000 mm
W16-WWL	16	1,57	6000 mm
W20-WWL	20	2,45	6000 mm
W25-WWL	25	3,82	6000 mm
W30-WWL	30	5,51	6000 mm
W40-WWL	40	9,80	6000 mm
W50-WWL	50	15,40	6000 mm

LINEAR BEARINGS



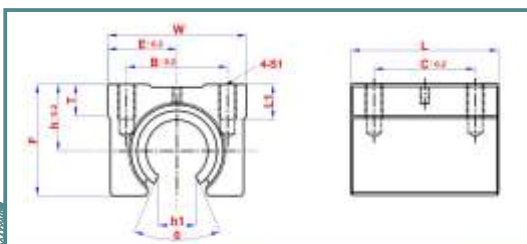
Linear Bearings Dimension Table (mm)								
Product Code	Shaft size	Weight kg/m	Fw Tolerance	D h5	C h12	D 1	b	C ₁ h13
M-LME 8 UU	8	0,02	8 ±0,008	16	25	15,2	1,1	16,5
M-LME 12 UU	12	0,03	12 ±0,008	22	32	21	1,3	22,9
M-LME 16 UU	16	0,04	16 ±0,009	26	36	24,9	1,3	24,9
M-LME 20 UU	20	0,07	20 ±0,009	32	45	30,3	1,6	31,5
M-LME 25 UU	25	0,09	25 ±0,011	40	58	37,5	1,85	44,1
M-LME 30 UU	30	0,11	30 ±0,011	47	68	44,5	1,85	52,1
M-LME 40 UU	40	0,13	40 ±0,013	62	80	59	2,15	60,6

SLOTTED LINEAR BEARINGS

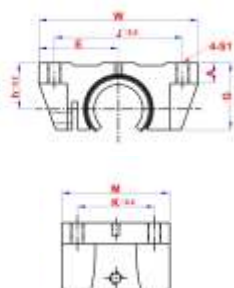


Linear Bearings Dimension Table (mm)								
Product Code	Shaft size	Weight kg/m	Fw Tolerance	D h5	C h12	D 1	b	C ₁ h13
M-LME 12 UUOP	12	0,03	12 ±0,008	22	32	21	1,3	22,9
M-LME 16 UUOP	16	0,04	16 ±0,009	26	36	24,9	1,3	24,9
M-LME 20 UUOP	20	0,07	20 ±0,009	32	45	30,3	1,6	31,5
M-LME 25 UUOP	25	0,09	25 ±0,011	40	58	37,5	1,85	44,1
M-LME 30 UUOP	30	0,11	30 ±0,011	47	68	44,5	1,85	52,1
M-LME 40 UUOP	40	0,13	40 ±0,013	62	80	59	2,15	60,6

Narrow and wide linear bearings with cage



Tour of the model	Measures (mm)												Upload capacity		Weight (g)
	h	E	W	L	F	h1	0	B	C	S	L1	T	Dynamic	Static	
SBR 16UU	20	22,5	45	45	32	10	80°	32	30	M5	12	9	774	1180	150
SBR 20UU	23	24	48	53,5	38,3	10	60°	35	35	M6	12	11	882	1370	200
SBR 25UU	27	30	60	65	47	11,5	50°	40	40	M6	12	14	980	1570	450
SBR 30UU	33	35	70	70	56	14	50°	50	50	M8	18	15	1570	2740	630
SBR 40UU	42	35	90	90	72	19	50°	65	60	M10	20	20	2160	4020	1330



Tour of the model	Measures (mm)										Upload capacity		Weight (g)
	W	G	A	M	S1	J	K	E	h		Dynamic	Static	
TBR 16UU	62	26	8	42	M5	50	30	31	18		392	490	0,18
TBR 20UU	68	31	10	51	M6	54	37	34	21		784	1176	0,30
TBR 25UU	82	41	12	65	M8	65	50	41	28		1568	2352	0,60
TBR 30UU	91	48	12	75	M8	75	60	45,5	33,5		1764	2940	0,90

Closed Type Linear Bearing Cage

Closed Type Linear Bearing Cage

Cod	PRODUCT NAME
SCE 12 UU	SCE 12 UU LINEAR BEARING
SCE 16 UU	SCE 16 UU LINEAR BEARING
SCE 20 UU	SCE 20 UU LINEAR BEARING
SCE 25 UU	SCE 25 UU LINEAR BEARING
SCE 30 UU	SCE 30 UU LINEAR BEARING
SCE 40 UU	SCE 40 UU LINEAR BEARING



Two Point Linear Bearing Cage

Cod	PRODUCT NAME
SCE 16 VUU	SCE 16 VUU LINEAR BEARING
SCE 20 VUU	SCE 20 VUU LINEAR BEARING
SCE 25 VUU	SCE 25 VUU LINEAR BEARING
SCE 30 VUU	SCE 30 VUU LINEAR BEARING
SCE 40 VUU	SCE 40 VUU LINEAR BEARING

Closed Type Linear Bearing Cage (Long)

Cod	PRODUCT NAME
SCE 12 LUU	SCE 12 LUU LINEAR BEARING
SCE 16 LUU	SCE 16 LUU LINEAR BEARING
SCE 20 LUU	SCE 20 LUU LINEAR BEARING
SCE 25 LUU	SCE 25 LUU LINEAR BEARING
SCE 30 LUU	SCE 30 LUU LINEAR BEARING
SCE 40 LUU	SCE 40 LUU LINEAR BEARING





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ΣΟΒΑΔΩΝ - ΙΝΟΧ ΠΑΝΤΟΣ ΤΥΠΟΥ - ΒΙΟΜΗΧΑΝΙΚΑ ΕΡΓΑΛΕΙΑ
(ΣΤΡΑΝΤΖΑ - ΨΑΛΙΔΙ - ΚΥΛΙΝΔΡΟΣ - ΠΑΝΤΟΓΡΑΦΟΣ)
ΛΟΓΧΕΣ ΔΙΚΗΣ ΜΑΣ ΠΑΡΑΓΩΓΗΣ

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