



BIMECCANICA SRL
bimeccanica.it

Italian original production . Florence



- Manoeuvring group
- Levelling stabilisers



More than thirty years of experience in linear motion field

Our Company



Bimeccanica, always the market leader, is a growing and developing company thanks to its continuing research studies and innovation that allow us to supply a rich and complete range of high quality products for mechanical trapezoidal screw drive transmission.

Today, with the addition of innovative products, designed and patented by us, always inherent to mechanical screw transmission, we have achieved a technical completeness that enables us to offer our clients a range of standard products with which it is possible to simplify the designing of mechanisms and machinery.

The company puts all its experience at the clients disposal.

Sales range

Threaded bars and components

Vast range of threaded trapezoidal bars with relative nuts & accessories

Catalogues: COMM - B.F.C.

Manoeuvring Groups, components and accessories

STANDARDISED Groups with rotating screw

Mod: COMPACT - EXCELLENT - TECNOLOGY

STANDARDISED Groups with rotating nut

Mod: ROTARY NUT

Catalogues: COMM. - G.D.M.

Levelling stabilisers

STANDARDISED Stabilisers using

trapezoidal screw for medium/heavy loads

Catalogues: COMM.- S.L.V.





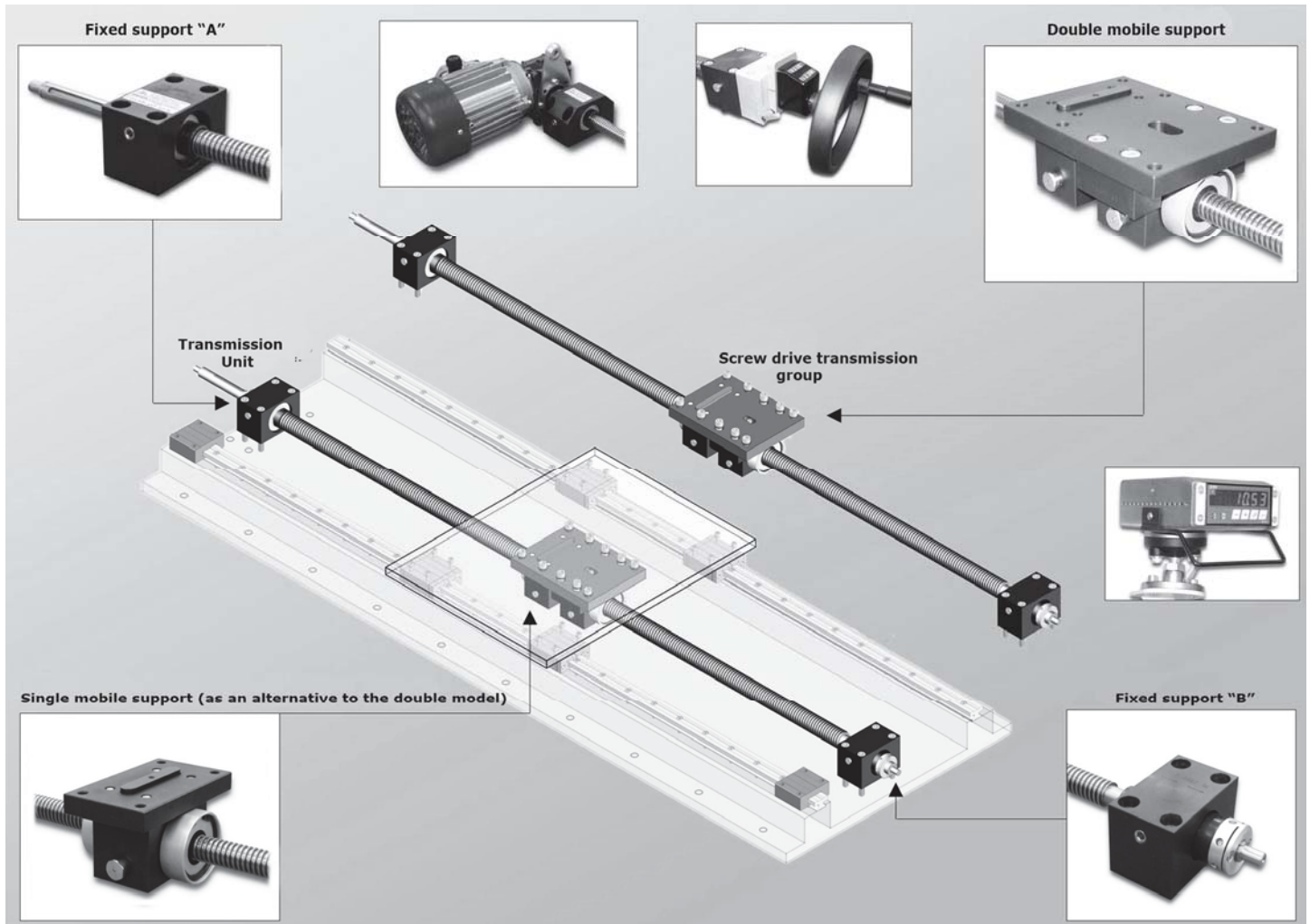
Synthesis of our G.D.M./S.L.V. products available from stock with indications of page number in respective GDM/SLV price lists.

For technical details please refer to our **COMM, G.D.M. - S.L.V.** catalogues downloadable from our website:
www.bimeccanica.it

G.D.M. products = Trapezoidal screw Manoeuvring Groups with components, spare parts and accessories.

S.L.V. products = Trapezoidal screw levelling stabilisers with accessories.

MANOEUVRING GROUPS WITH DRIVE ON THE TRAPEZOIDAL SCREW



The name Manoeuvring Group is determined by fixed and mobile supports, designed and patented by us, that with the relative trapezoidal screw and components form a modern, manual or motorised, system for mechanical linear transmission. Our system simplifies the designing and construction of mechanisms whilst offering maximum precision, safety and interchangeability of worn parts.

The price of each Manoeuvring Group in the GDM/SLV price list does not include the cost of the trapezoidal screw in that it's length has to be determined according to requirements, as will any machining of the screw terminals. Once this has been determined the trapezoidal screw price can be calculated by referring the GDM/SLV price list pages 41–43.

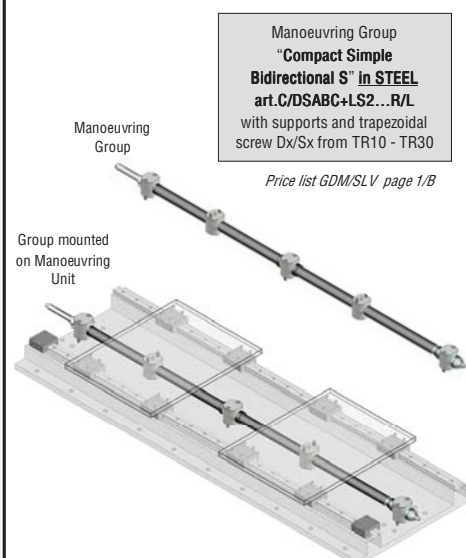
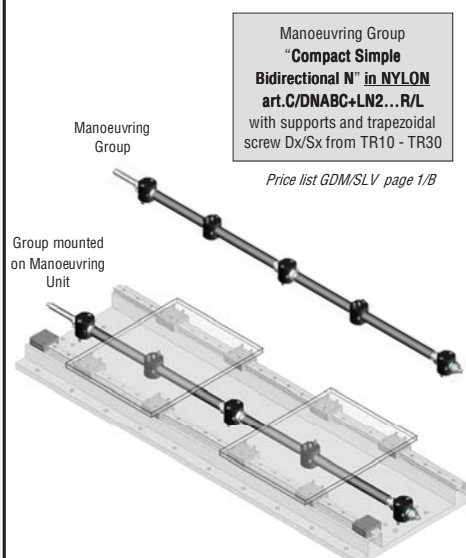
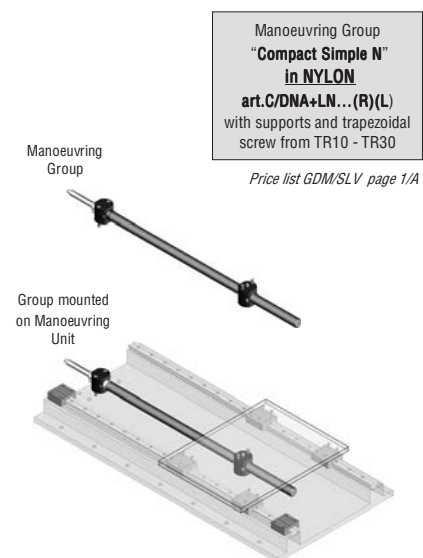
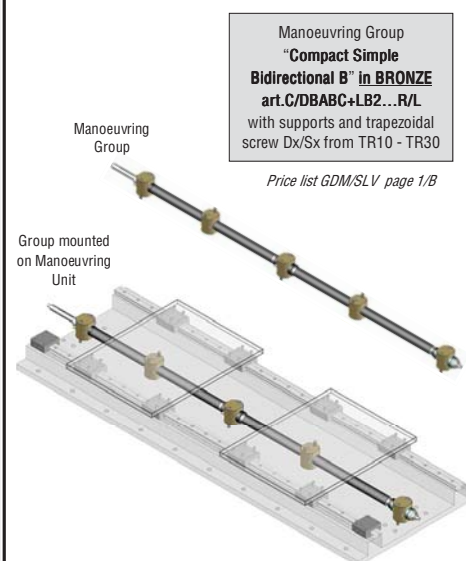
For all the accessories for use on GDM (and also BFC) products such as: bench mounting supports, bridges, locking flanges, junctions, encoders, visualizers, electric panels, handwheels, position indicators, electrodes, gearmotors, lubricating grease and others, please refer to our GDM/SLV price list on pages 44 to 53.

NEW!

"COMPACT SIMPLE" MANOEUVRING GROUPS (super economic, very simple & compact)

COMM. Catalogue + GDM Technical Catalogue and relative price list.

(The components and spare parts for "Compact Simple" are in the GDM/SLV price list from pages 1/C to 1/D).



"COMPACT" MANOEUVRING GROUPS (economic, simple & compact) COMM. + GDM Catalogues & price lists.

(Components and spare parts for "Steel e Safety series " are in the GDM/SLV price list from pages 5 - 8 and for "Light" series on pages 11 - 12)

Manoeuvring Group

Group mounted on Manoeuvring Unit

Manoeuvring Group
"Compact Steel LVZ"
art.C/DVA+LVZ...(R)(L)
with supports and trapezoidal screw from TR10 - TR60.
PATENTED

Price list GDM/SLV page 1.



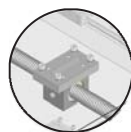
VERSION art.C/DVA+LV...(R)(L)
Mobile support LV with the exclusion of **support LZ**
and hence without axial play adjustment. - Price list GDM/SLV page 1.

Manoeuvring Group

Group mounted on Manoeuvring Unit

Manoeuvring Group
"COMPACT STEEL LVZ"
art.C/DVAB+LVZ...(R)(L)
with supports and trapezoidal screw from TR10 - TR60
PATENTED

Price list GDM/SLV page 2.



VERSION art.C/DVAB+LV...(R)(L)
Mobile support LV with the exclusion of **support LZ**
and hence without axial play adjustment. - Price list GDM/SLV page 2.

Manoeuvring Group
"Compact Safety LVW"
art.C/DVAB+LVW...(R)(L)
With supports, **electric safety signalling** and trapezoidal screw from TR16 - TR60

Price list GDM/SLV page 3.

Alternative: Manoeuvring Group with direct visual safety device
art.C/DVAB+LVW/V...(R)(L)



Supporto LVW/V
with direct wear indicator

Price list GDM/SLV page 3.

Manoeuvring Group

Group mounted on Manoeuvring Unit

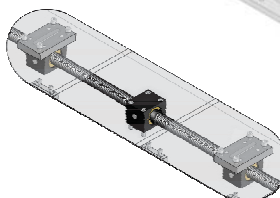


Manoeuvring Group

Group mounted on Manoeuvring Unit

Manoeuvring Group
"Compact Steel Bidirectional LVZ2R/L"
art.C/DVABC+LVZ2...(R/L)
with supports and trapezoidal screw Dx/Sx from TR20 - TR60
PATENTED

Price list GDM/SLV page 4.



VERSION art.C/DVABC+LV2...(R/L) - mobile supports LV
with the exclusion of **supports LZ** and hence without axial play adjustment. - Price list GDM/SLV page 4.

Manoeuvring Group

Group mounted on Manoeuvring Unit

Manoeuvring Group
"Compact Light LVZ0"
art.C/DVO/A+LVZ0...(R)(L)
with supports in aluminium alloy from TR10 - TR40
PATENTED

Price list GDM/SLV page 9.



VERSION art.C/DVO/A+LVO...(R)(L)
Mobile support LVO with the exclusion of **support LZ0**.
and hence without axial play adjustment. - Price list GDM/SLV page 9.

Manoeuvring Group

Group mounted on Manoeuvring Unit

Manoeuvring Group
"Compact Light LVZ0"
art.C/DVO/AB+LVZ0...(R)(L)
with supports in aluminium alloy from TR10 - TR40.
PATENTED

Price list GDM/SLV page 10.

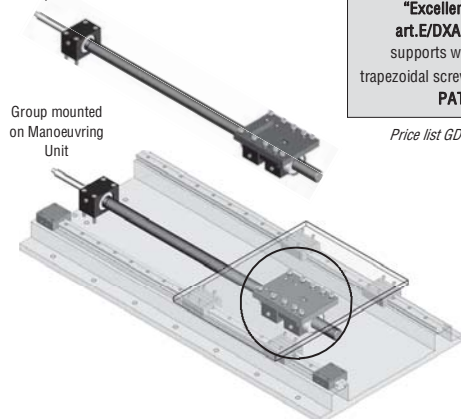


VERSION art.C/DVO/AB+LVO...(R)(L)
Mobile support LVO with the exclusion of **support LZ0**
and hence without axial play adjustment. - Price list GDM/SLV page 10.

"EXCELLENT" MANOEUVRING GROUPS (with dust protection cups) COMM. & GDM Catalogues & price lists.

(Single components and spare parts for "Steel e Safety" are on pages 17-20 of the GDM/SLV price list whereas "Light" can be found on pages 23-24).

Manoeuvring Group



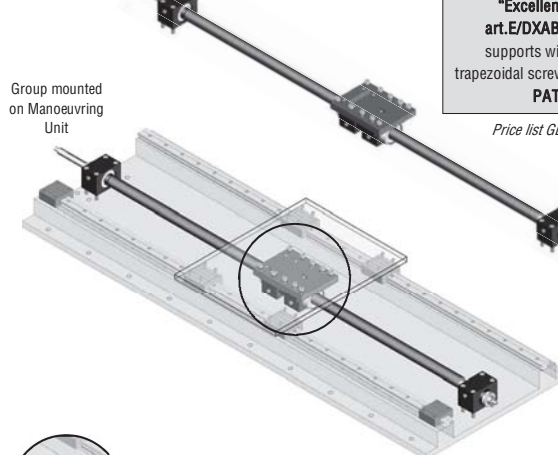
Manoeuvring Group
"Excellent Steel LXY"
art.E/DXA+LXY...(R)(L)
supports with dust cups &
trapezoidal screw from TR10 - TR60
PATENTED

Price list GDM/SLV page 13.



VERSION art.E/DXA+LX...(R)(L)
Mobile support LX with the exclusion of support LY
and hence without axial play adjustment. - Price list GDM/SLV page 13.

Manoeuvring Group



Manoeuvring Group
"Excellent Steel LXY"
art.E/DXAB+LXY...(R)(L)
supports with dust cups &
trapezoidal screw from TR10 - TR60
PATENTED

Price list GDM/SLV page 14.



VERSION art.E/DXAB+LX...(R)(L)
Mobile support LX with the exclusion of support LY
and hence without axial play adjustment. - Price list GDM/SLV page 14.

Manoeuvring Group
"Excellent Safety LVW"
art.E/DXAB+LXW...(R)(L)
supports with dust cups,
electric signalling safety
device & trapezoidal screw
from TR16 a TR60

Price list GDM/SLV page 15.

Alternative: Manoeuvring Group
with direct visual safety device
art.E/DXAB+LXW/V...(R)(L)



Support LXW/V
with direct wear indicator

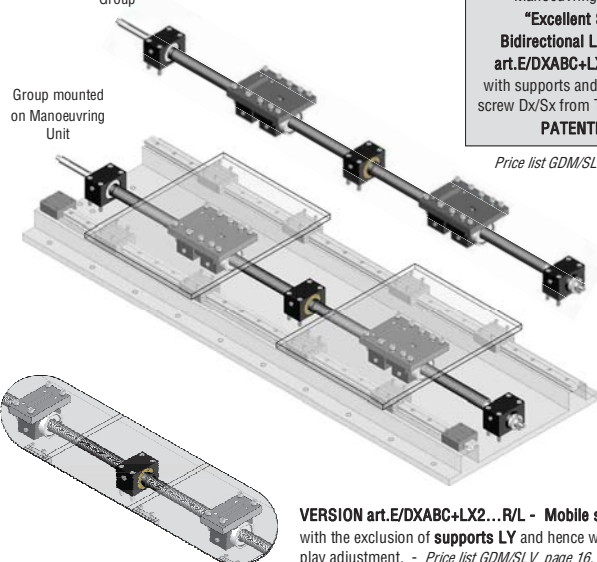
Price list GDM/SLV page 15.

Manoeuvring Group



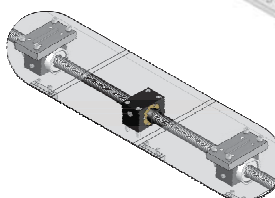
Group mounted
on Manoeuvring
Unit

Manoeuvring Group



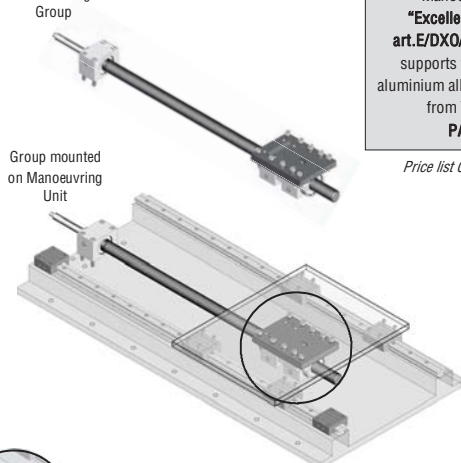
Manoeuvring Group
**"Excellent Steel
Bidirectional LXY2R/L"**
art.E/DXABC+LXY2...R/L
with supports and trapezoidal
screw Dx/Sx from TR20 - TR60
PATENTED

Price list GDM/SLV page 16.



VERSION art.E/DXABC+LX2...R/L - Mobile supports LX
with the exclusion of supports LY and hence without axial
play adjustment. - Price list GDM/SLV page 16.

Manoeuvring Group



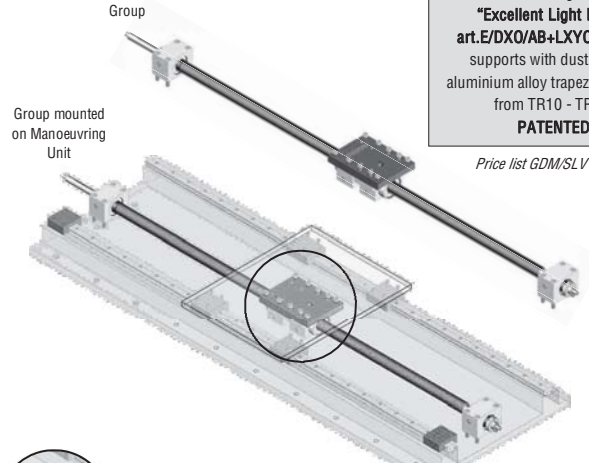
Manoeuvring Group
"Excellent Light LXYO"
art.E/DXO/A+LXYO...(R)(L)
supports with dust cups &
aluminium alloy trapezoidal screw
from TR10 - TR40
PATENTED

Price list GDM/SLV page 21



VERSION art.E/DXO/A+LXO...(R)(L)
Mobile support LXO with the exclusion of support LYO
and hence without axial play adjustment. - Price list GDM/SLV page 21.

Manoeuvring Group



Manoeuvring Group
"Excellent Light LXYO"
art.E/DXO/AB+LXYO...(R)(L)
supports with dust cups &
aluminium alloy trapezoidal screw
from TR10 - TR40.
PATENTED

Price list GDM/SLV page 22



VERSION art.E/DXO/AB+LXO ... (R)(L)
Mobile support LXO with the exclusion of support LYO
and hence without axial play adjustment. - Price list GDM/SLV page 22.

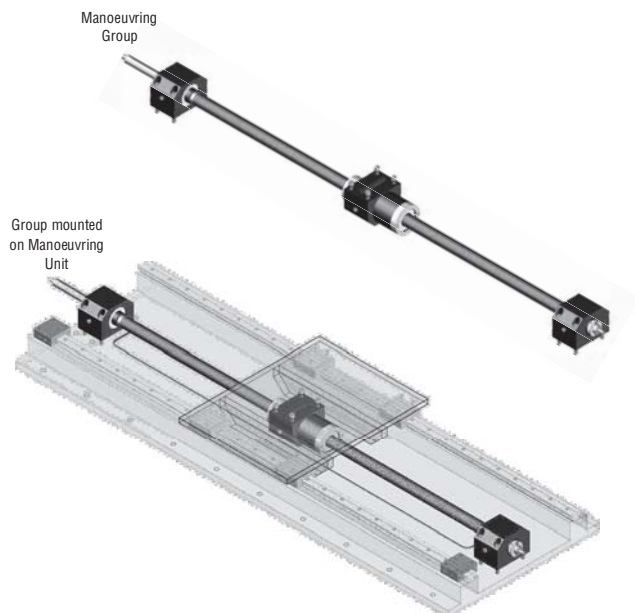
"TECNOLOGY K and KS" MANOEUVRING GROUPS (for fitting on platform, robust & accessorised)

COMM. + GDM Catalogues and relative price list.

(Single components for Tecnology K and KS are in the GDM/SLV price list from pages 27-28 whilst spare parts are listed on pages 33-35)

Manoeuvring Group **"Tecnology K"** art.T/DKAB+LK...(R)(L)
supports with dust cups & trapezoidal screw from TR20 a TR60
PATENTED SYSTEM

Price list GDM/SLV page 25.



Manoeuvring Group **"Tecnology Safety KS/A"** art.T/DKAB+LKS-A...(R)(L)
supports with dust cups, **"Automatically" controlled** mechanical safety device
and trapezoidal screw from TR20 - TR60.

**THIS GROUP CANNOT BE USED IN PARALLEL (WITH DOUBLE SCREW).
PATENTED SYSTEM**

Price list GDM/SLV page 25.



Manoeuvring Group **"Tecnology Safety KS/VN"** art.T/DKAB+LKS-VN...(R)(L)
Safety flange with dust cups, **"Normal", visually controlled**, mechanical safety
device and trapezoidal screw from TR20 - TR60

Price list GDM/SLV page 25.



Manoeuvring Group **"Tecnology Safety KS/VS"** art.T/DKAB+LKS-VS...(R)(L)
Safety flange with dust cups, **"Special", visually controlled**, mechanical safety
device and trapezoidal screw from TR20 a TR60

optional: **Electric signaller of wear version "KS/VSE"**

Price list GDM/SLV page 26.

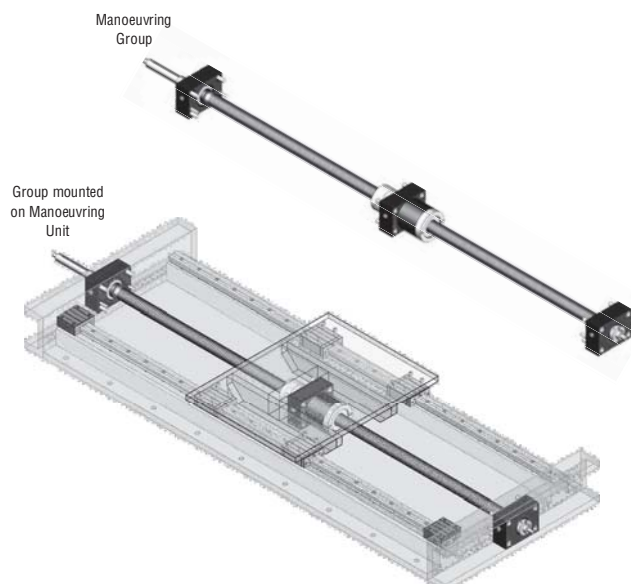


"TECNOLOGY J and JS" MANOEUVRING GROUPS (for fitting on flange, robust & accessorised)**COMM. + GDM Catalogues and relative price list.**

(Single components for Tecnology J and JS are in the GDM/SLV price list from pages 31-32 whilst spare parts are listed on pages 33-35)

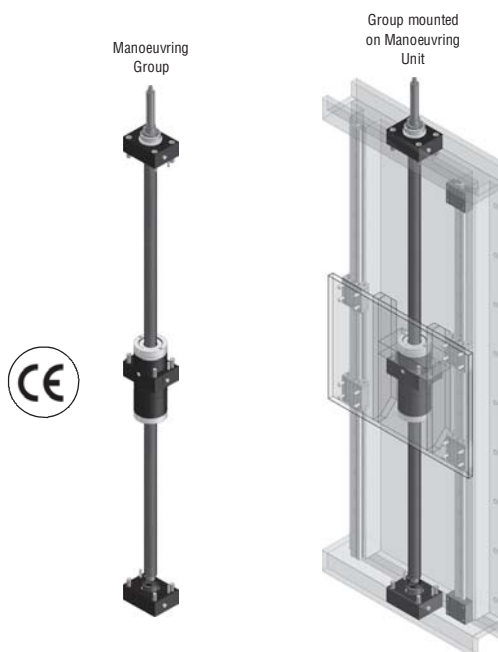
Manoeuvring Group **"Tecnology J"** art.T/DJAB+L.J...(R)(L)
Bases with dust cups & trapezoidal screw from TR20 - TR60
PATENTED SYSTEM

Price list GDM/SLV page 29.



Manoeuvring Group **"Tecnology Safety JS/A"** art.T/DJAB+L.JS-A...(R)(L)
Bases with dust cups, **"Automatically"** controlled mechanical safety device
and trapezoidal screw from TR20 - TR60
THIS GROUP CANNOT BE USED IN PARALLEL (WITH DOUBLE SCREW)
PATENTED SYSTEM

Price list GDM/SLV page 29.



Manoeuvring Group **"Tecnology Safety JS/VN"** art.T/DJAB+L.JS-VN...(R)(L)
Safety flange with dust cups, **"Normal"**, visually controlled, mechanical safety
device and trapezoidal screw from TR20 - TR60

Price list GDM/SLV page 29.



Manoeuvring Group **"Tecnology Safety JS/VS"** art.T/DJAB+L.JS-VS...(R)(L)
Safety flange with dust cups, **"Special"**, visually controlled, mechanical safety
device and trapezoidal screw from TR20 a TR60

optional: **Electric signaller** of wear version **"JS/VSE"**

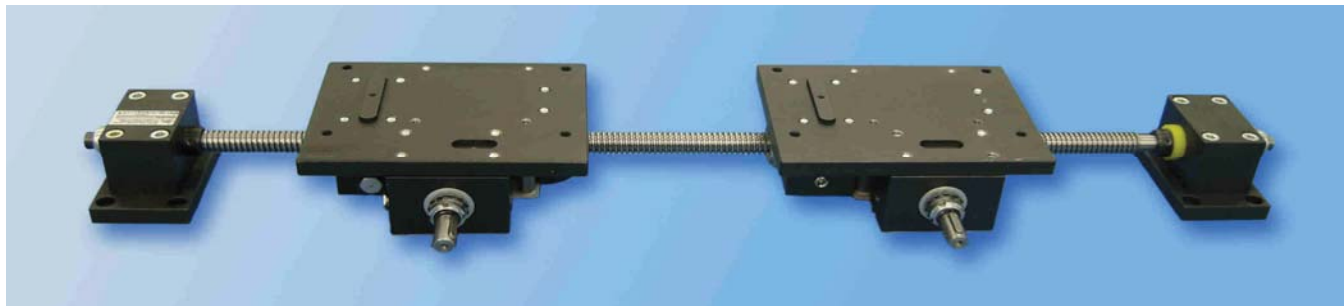
Price list GDM/SLV page 30.



"ROTARY NUT" MANOEUVRING GROUPS (drive to the support/mobile platform)

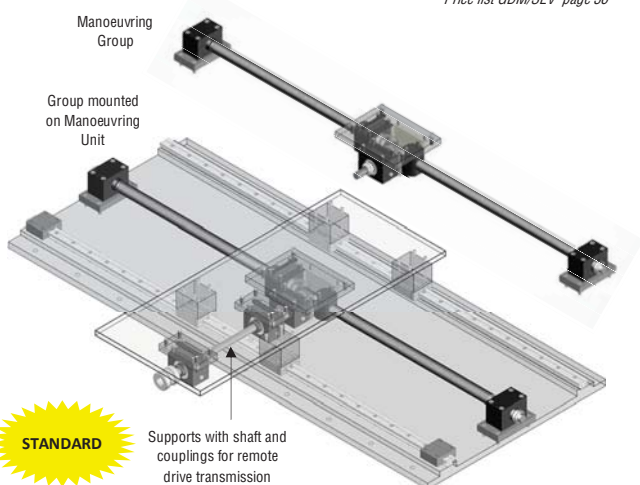
COMM. + GDM Catalogues and relative price list.

(Components and spare parts for "Rotary Nut" are in the GDM/SLV price list from pages 37-40)



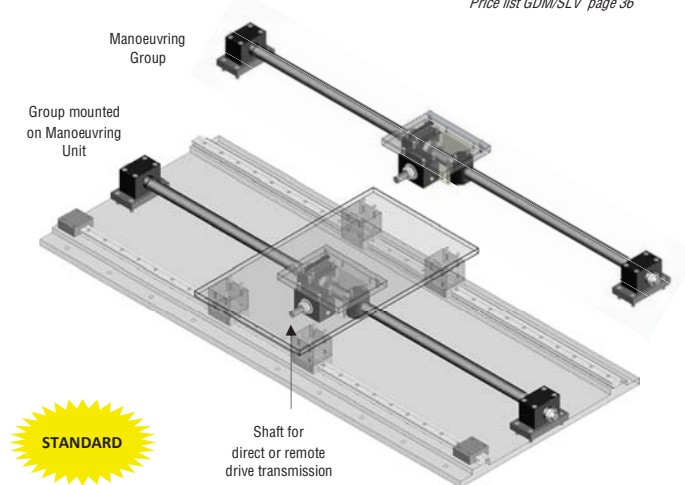
Manoeuvring Group **"Rotary nut PMS/LXR/CC1:1"** art.R/DXR/AB+PMS/LXR/CC1:1...(R)(L)
Supports with rotating nut, 1:1 ratio paired bevel gears and trapezoidal screw from TR20 - TR60

Price list GDM/SLV page 36



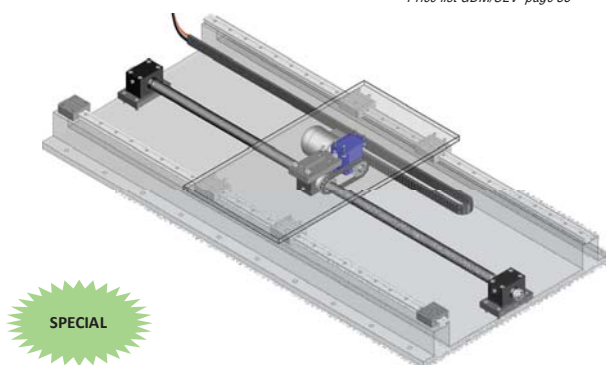
Manoeuvring Group **"Rotary nut PMS/LXR/CC1:2"** art.R/DXR/AB+PMS/LXR/CC1:2...(R)(L)
Supports with rotating nut, 1:2 ratio paired bevel gears and trapezoidal screw from TR20 - TR60

Price list GDM/SLV page 36



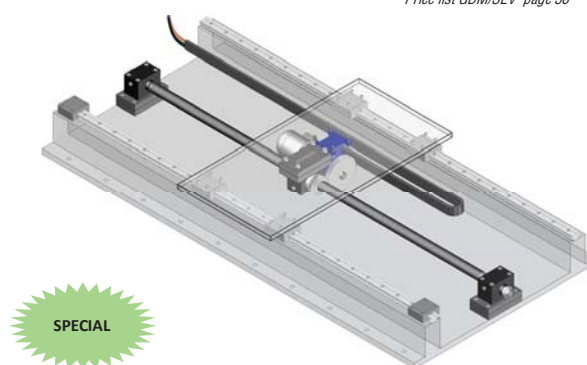
Manoeuvring Group **"Rotary nut LXR/PS"** art.R/DXR/AB+LXR/PS...(R)(L)
Supports with rotating nut, simple Pinion, and trapezoidal screw from TR20 - TR60

Price list GDM/SLV page 36

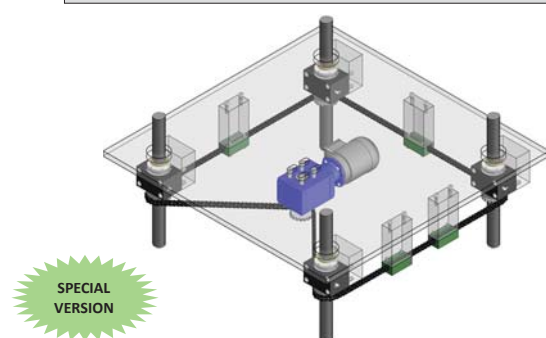


Manoeuvring Group **"Rotary nut LXR/RD"** art.R/DXR/AB+LXR/RD...(R)(L)
Supports with rotating nut, gearwheel and trapezoidal screw from TR20 - TR60

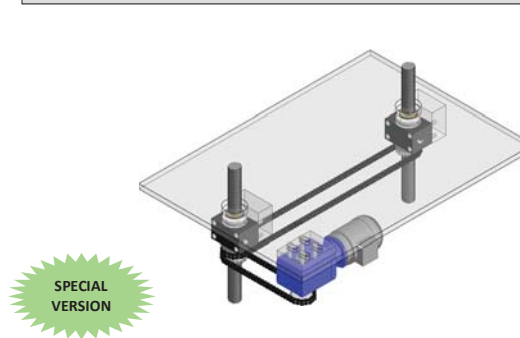
Price list GDM/SLV page 36



Manoeuvring Group **"Rotary nut LXR/PS4..."** art.R/DXR/AB+LXR/PS4...(R)(L)
Supports with rotating nut, simple Pinions and trapezoidal screw from TR20 - TR60



Manoeuvring Group **"Rotary nut LXR/PS+PD"** art.R/DXR/AB+LXR/PS+PD...(R)(L)
Supports with rotating nut, double Pinion and trapezoidal screw from TR20 - TR60



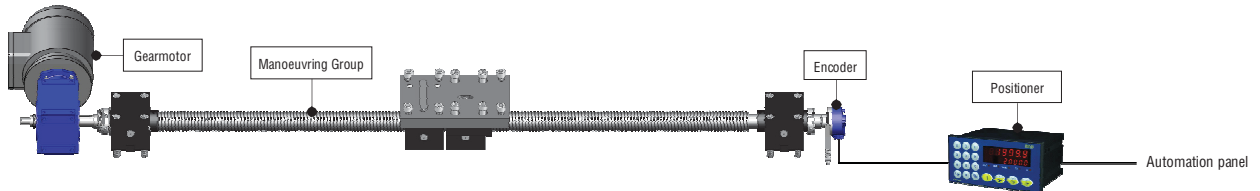
COMPONENTS/ACCESSORIES FOR TRANSMITTING DRIVE TO THE MANOEUVRING GROUPS

DESIGNATION OF THE TYPES OF MOTION WHICH CAN BE IMPLEMENTED ON ALL OF OUR MANOEUVRING GROUPS LISTED ON THE PREVIOUS PAGES. *GDM Catalogue and relative GDM/SLV price list from pages 44-53*

- **MR: Movement by gearmotor**

Groups are ready for fitting an **Encoder** with **programmable positioning**.

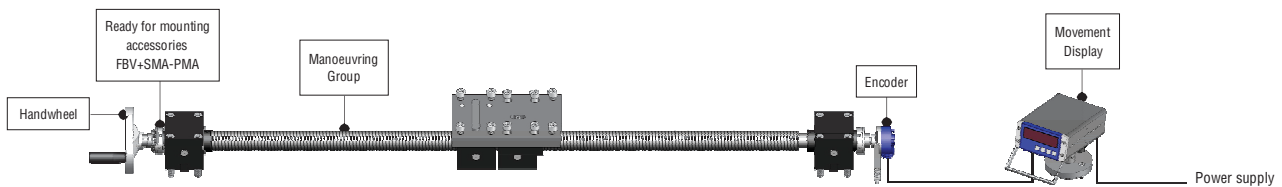
- > Travel limitation by use of **Switch** to fit to the machinery.
- > Maximum precision reached of **mm $\pm 0,10$** (over 300 mm).



- **MV: Manual movement with handwheel**

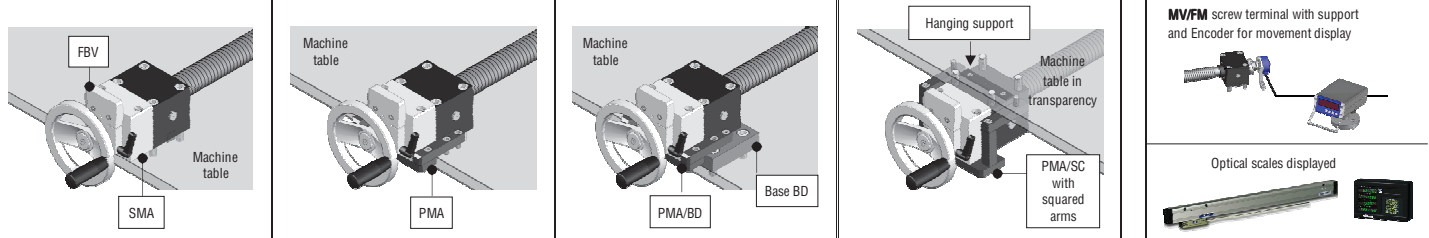
Groups ready for fitting an **Encoder + Movement Display, Transducers or Optical scales** to the machinery. Maximum attainable accuracy shown with an Encoder **mm $\pm 0,10$** (on 300 mm).

- > Maximum attainable accuracy shown with **Transducers or Optical scales** mm 0,01.



- **MV/FM: Manual with handwheel and Locking Flange on Shelf Bracket**

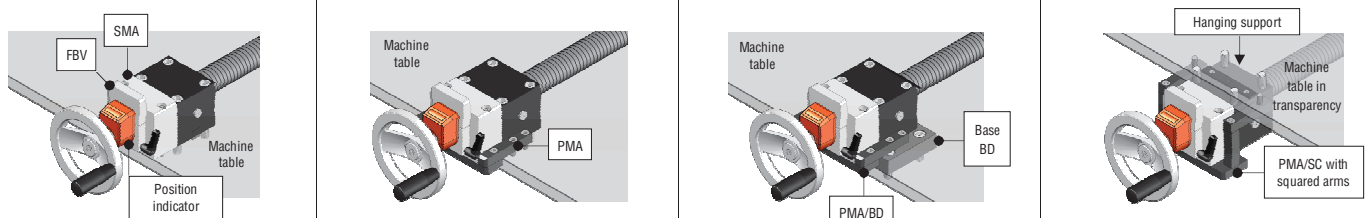
Has the same movement characteristics as "MV" with the addition of **Locking Flange FBV** on **Shelf Bracket SMA** that allows locking of the screw when the desired position is reached. With an **Encoder** on the screw, **Display**, or alternatively with **Optical Scales**, it is possible to control positioning. Possibility of using **Accessory Bridge PMA** to hang **Shelf Bracket SMA** under machine table.



- **MV/FM/IP: Manual with handwheel and Locking Flange on Shelf Bracket and direct control Digital Position Indicator.**

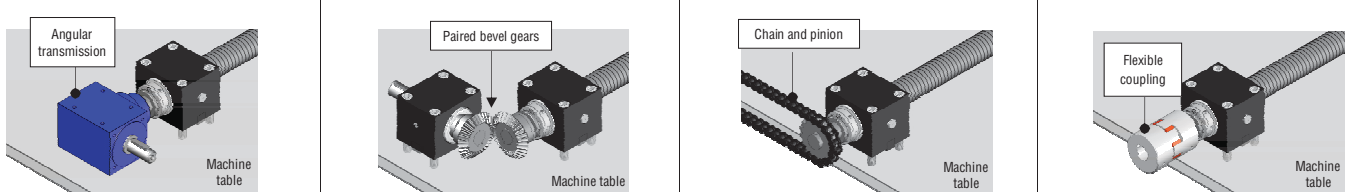
Has the same movement characteristics as the preceding "MV/FM" with the addition of a **Digital Position Indicator**.

- > Possibility of using **Accessory Bridge PMA** to hang **Accessory Shelf Bracket SMA** under machine table



- **MS: Special movements using personalised screw terminals for various types of drive:**

- > Drive with angular transmission, Drive with paired bevel gears, Drive with chain and pinion, Drive with toothed belt, Drive with toothed wheel, Drive using couplings, Drive with step motors, Drive with brushless motors, Drive using planetary gearmotors and others.



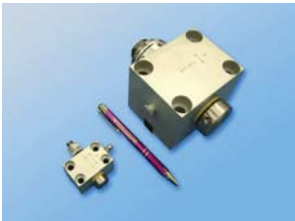
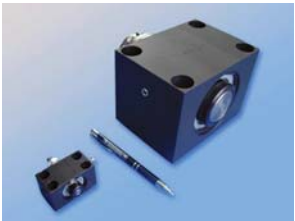
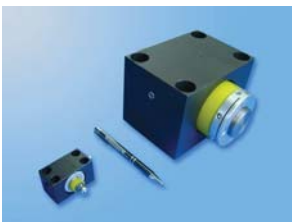
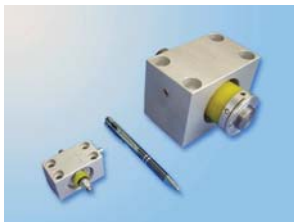
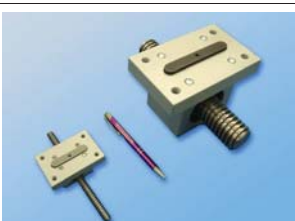
Dimensional photos of Compact (excluding the "Simple") and Excellent components by single model from the smallest to the largest, evaluated in comparison to the pen in each photo (pen size Ø10xL.140 mm)

Compact steel TR10/60
Price list GDM/SLV page 5 / 7

Compact light TR10/40
Price list GDM/SLV page 11-12

Excellent steel TR10/60
Price list GDM/SLV page 17 / 19

Excellent light TR10/40
Price list GDM/SLV page 23

			
Fixed support DVA 10/60	Fixed support DVO/A 10/40	Fixed support DXA 10/60	Fixed support DXO/A 10/40
			
Fixed support DVB 10/60	Fixed support DVO/B 10/40	Fixed support DXB 10/60	Fixed support DXO/B 10/40
	-		-
Fixed support DVC 20/60 (size as DVB)		Fixed support DXC 20/60 (size as DXB)	
			
Single mobile support LV 10/60	Single mobile support LVO 10/40	Single mobile support LX 10/60	Single mobile support LXO 10/40
			
Double mobile support LVZ 10/60	Double mobile support LVZO 10/40	Double mobile support LXY 10/60	Double mobile support LXYO 10/40
	-		-
Safety mobile support LVW 16/60 (dim. come LVZ)		Safety mobile support LXW 16/60 (dim. come LXY)	
	-		-
Safety mobile support LVW/ V 16/60 (dim. come LVZ)		Safety mobile support LXW/ V 16/60 (dim. come LXY)	

Dimensional photos of Tecnology/Rotary Nut components by each model from the smallest to the largest, evaluated in comparison to the pen in each photo (pen size Ø10xL.140 mm)

Tecnology K TR20/60

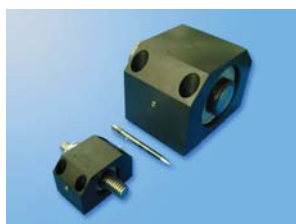
Price list GDM/SLV page 27-28

Tecnology J TR20/60

Price list GDM/SLV page 31-32

Rotary nut TR20/60

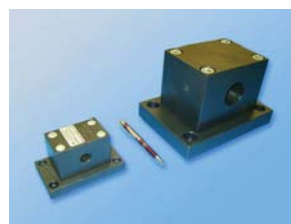
Price list GDM/SLV page 37-38



Fixed support DKA 20/60



Fixed base DJA 20/60



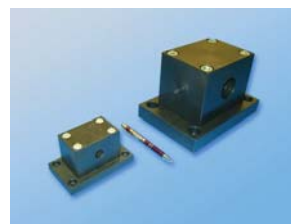
Fixed support DXR/A 20/60



Fixed support DKB 20/60



Fixed base DJB 20/60



Fixed support DXR/B 20/60



Mobile support LK 20/60



Mobile base LJ 20/60



Mobile platform PM/LXR/CC1:1



Safety mobile support LKS/A 20/60 (length LK+25%)



Safety mobile base LJS/A 20/60 (length LJ + 35%)



Mobile platform PM/LXR/CC1:2



Safety mobile support LKS/VN 20/60 (length LK - 40%)



Safety mobile base LJS/VN 20/60 (length LJ - 55%)



Mobile support LXR/PS (length DXR+PS)



Safety mobile support LKS/VS 20/60 (length LK - 30%)



Safety mobile base LJS/VS 20/60 (length LJ - 45%)



Mobile support LXR/PD (length DXR+PD)



Safety mobile support LKS/VSE 20/60 (length LK - 25%)

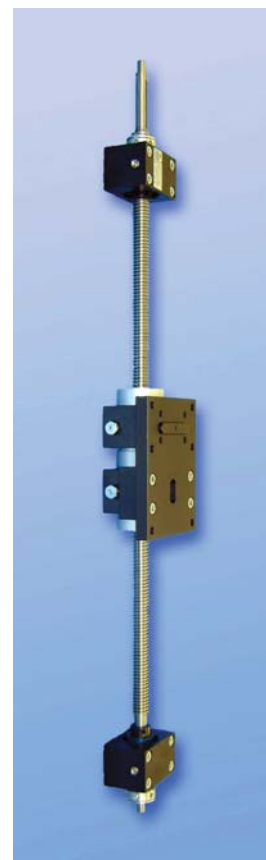


Safety mobile base LJS/VSE 20/60 (length LJ - 40%)



Mobile support LXR/RD (length DXR+RD)

Excellent Group with drive to the screw



Rotary Nut Group with drive to the Platform

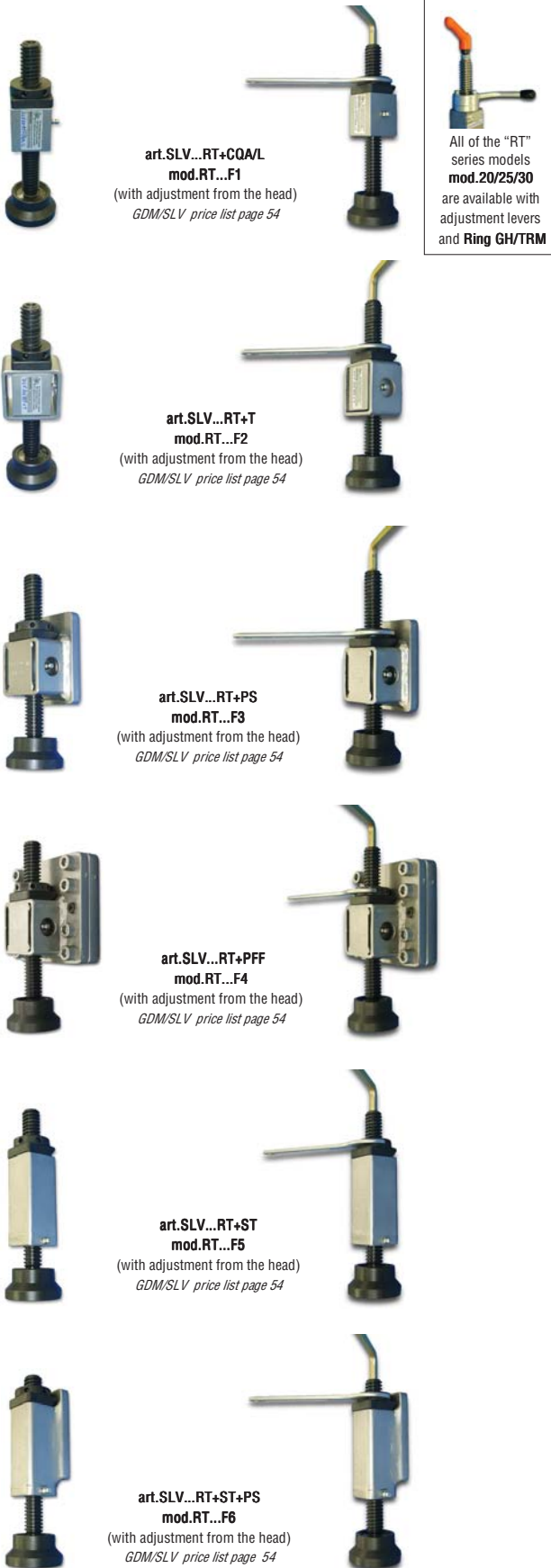


Levelling stabilisers using trapezoidal screws

Stabilisers series "RT" from TR 20 - TR 60

Ideal for machinery housed indoors.

The stabilisers can only be used in compression



COMM. Catalogue - SLV Catalogue and website



Stabilisers series "RA" TR 20/25/30

Ideal for medium to light machinery having to be frequently moved. **The stabilisers can only be used in compression**



Stabilisers series "RB" from TR 20 - TR 60
 deal for machinery housed indoors or outdoors
The stabilisers can only be used in compression



**art.SLV...RB+ST
 mod.RB...F1**
 (with adjustment from below)
GDM/SLV price list page 56



**art.SLV...RB+ST+PS
 mod.RB...F2**
 (with adjustment from below)
GDM/SLV price list page 56



**art.SLV...RB+ST+PFF
 mod.RB...F3**
 (with adjustment from below)
GDM/SLV price list page 56



**art.SLV...RB+CQA/L
 mod.RB...S1**
 (with adjustment from below)
GDM/SLV price list page 56



**art.SLV...RB+CFQ
 mod.RB...S2**
 (with adjustment from below)
GDM/SLV price list page 56



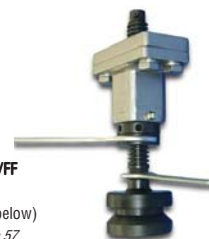
**art.SLV...RB+STC
 mod.RB...S3**
 (with adjustment from below)
GDM/SLV price list page 56



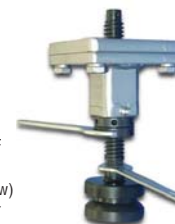
**art.SLV...RB+CFA/L
 mod.RB...S4**
 (with adjustment from below)
GDM/SLV price list page 57



**art.SLV...RB+STC+FR/FF
 mod.RB...S5**
 (with adjustment from below)
GDM/SLV price list page 57



**art.SLV...RB+STC+FQ/FF
 mod.RB...S6**
 (with adjustment from below)
GDM/SLV price list page 57



Accessories for levelling stabilisers



art.SP
 Non-slip base plate
GDM/SLV price list page 57



art.SAR/FR
 Rigid anti-tip bracket
GDM/SLV price list page 57



art.SAR/FD
 Non-aligned anti-tip bracket
GDM/SLV price list page 57

■ BIMECCANICA products can be viewed on our website www.bimeccanica.it and in our catalogues: COMM. - B.F.C. - G.D.M. - S.L.V.



COMM.

- General product synthesis

B.F.C.

- Trapezoidal threaded bars
- Nuts Lead nuts
- Accessories

G.D.M.

- Trapezoidal screw Manoeuvring Groups
- Components
- Spare parts
- Accessories

S.L.V.

- Levelling stabilisers using trapezoidal screws
- Accessories

Authorised dealer:



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bimeccanica.it

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