



SmartFlex – FlexMove Consolidation

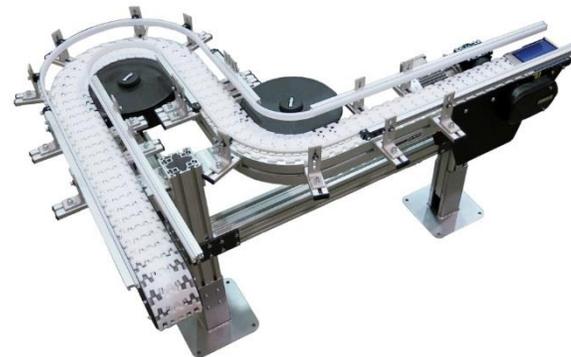
TRAINING WEBINAR

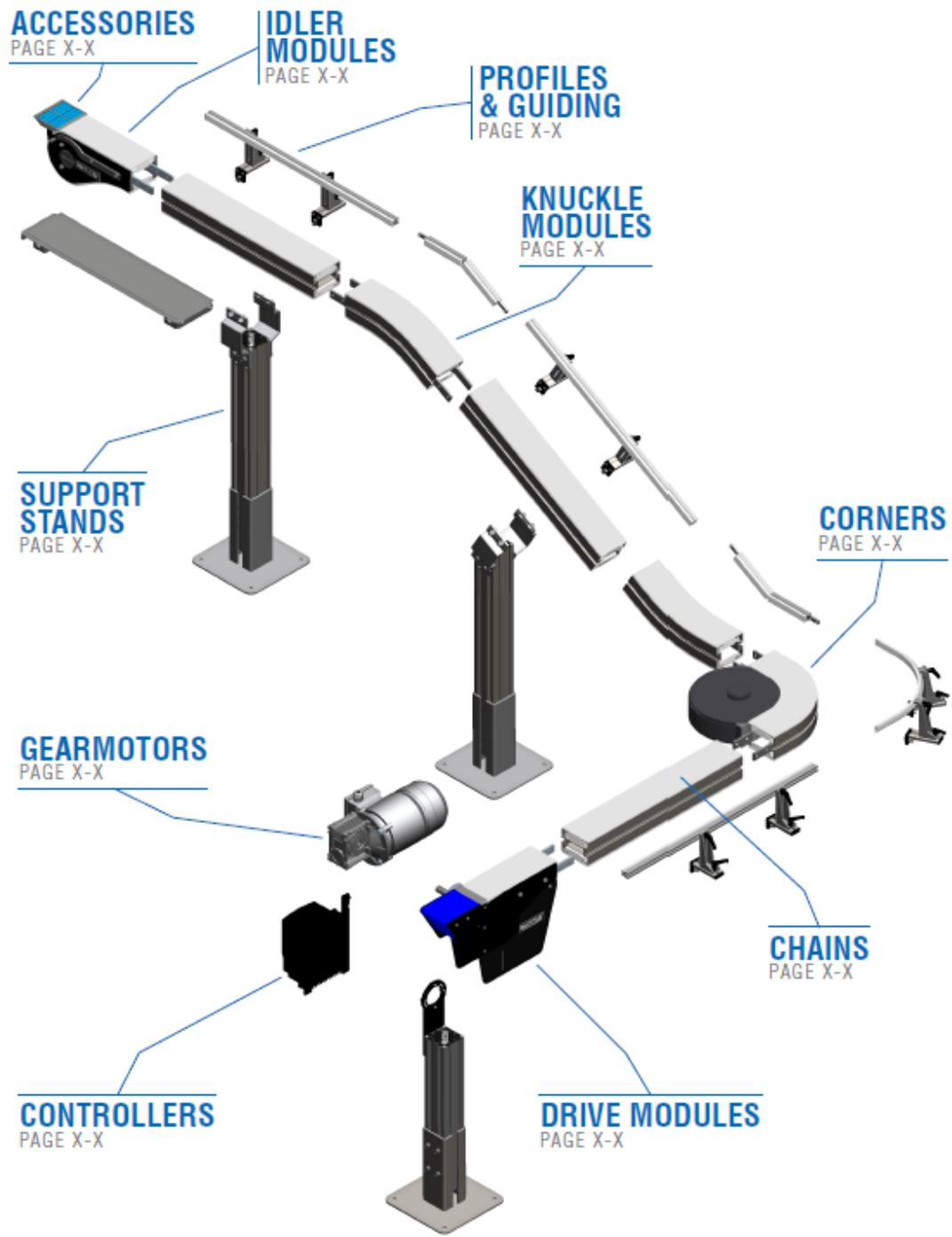
Short History Lesson...

- ❑ SmartFlex product line was launched in US in 2015 with a Dorner / FlexMove Partnership
- ❑ SmartFlex was/is offered as an assembled product only
- ❑ Dorner purchased FlexMove company in 2017
- ❑ Dorner offered FlexMove component sales in US in 2018
- ❑ FlexMove and SmartFlex lines are +90% the same but not in all areas
- ❑ This has created confusion



- ❑ Aluminum single piece frame conveyors
- ❑ Flexible designs sent as pre-assembled sub-sections
- ❑ Flexible chain conveyor
- ❑ Aluminum Single Piece frame
- ❑ Very tight corners
- ❑ Narrow widths
- ❑ Mainline conveyance
- ❑ Commonly know as “Flexlink style”





FlexMove[®]

SMARTFLEX[®]

Building Blocks

Why the Consolidation

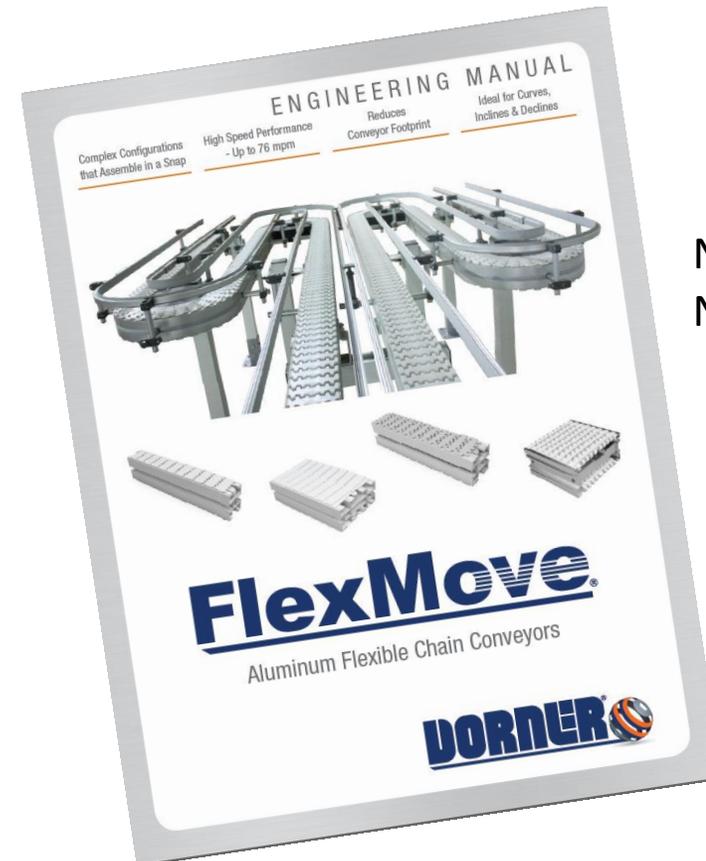
- Eliminate confusion
- Create one single Brand - FlexMove
- Make all product offers available in all lines / order types
- Create one location and process for quoting
- Add some great new products!!

One Brand - FlexMove

- Components - FlexMove
- Assembled – FlexMove Solutions

New
DTools
Start Page

The screenshot shows the 'FlexMove Selector' interface. At the top, there are two main selection buttons: 'FlexMove COMPONENTS' and 'FlexMove SOLUTIONS', each with a 'Select' button and a right-pointing arrow. Below these is a 'Cancel' button with a close icon. At the bottom, there are three service-related icons: a '10 YEAR WARRANTY DORNER' seal, a 'Service Hotline' card with a technician image and the number 888.417.3515, and a 'CUSTOMER CARE' section with three options: '800.397.8664', 'APPLICATIONS HOTLINE 800.351.8712', and 'ONLINE CHAT SUPPORT'.



New Catalog!!
New additions!!

One Brand - Worldwide

- ❑ (2) Master Stocking Locations – US, Malaysia
- ❑ (2) Regional Stocking Locations – Mexico, Germany
- ❑ Same product everywhere
- ❑ North America has some specific product
- ❑ US now stocking all sizes
 - ❑ 45, 65, 85, 105, 150, 180, 260
 - ❑ Not all product offering



Product Consolidation



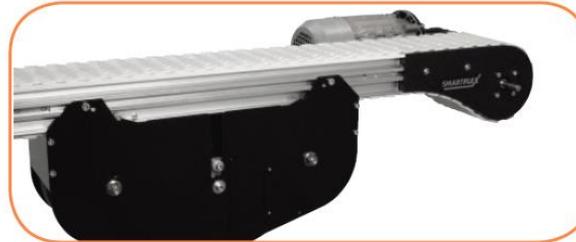
❑ What was different in the SmartFlex line...

- ❑ 3/4" shaft drive tails
- ❑ Power Transfers
- ❑ Weighted Take-up
- ❑ Guiding
- ❑ Top running drive
- ❑ Support Stands
- ❑ Dorner Gearmotors
- ❑ All have been resolved



Industry Best Product Transfers

- Powered transfers allow for smooth end transfers for products as small as 3" in diameter. They are slave driven off of the conveyor and can be attached to the infeed and exit.



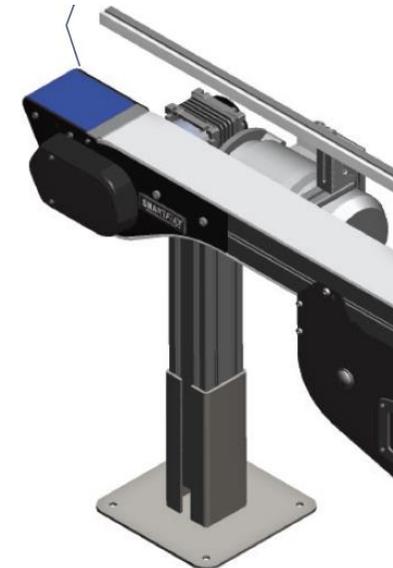
Weighted Take-up Module

- The unique, compact weighted take up is designed to free up discharge end and allow higher loads and longer conveyor lengths.



Top Running Loop Drive Design

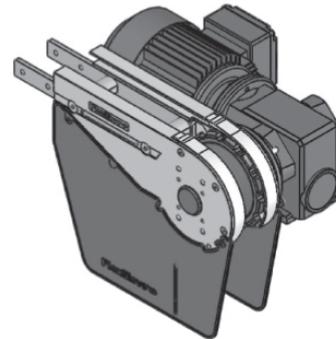
- The continuous loop features a patent pending top running drive design for added strength and flexibility.



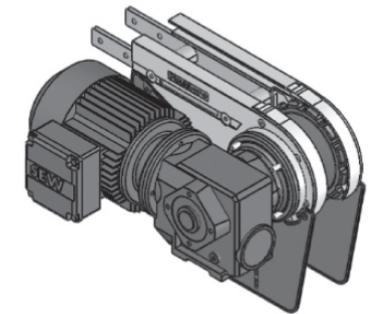
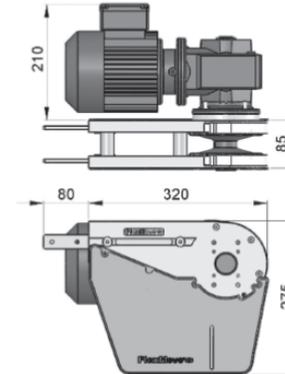
Direct Drive Tails

- ❑ All Direct Drive Tails are available in (2) shaft sizes
- ❑ All Direct Drive Tails have optional dual shafts
- ❑ All is now build to order in US
- ❑ 5 day lead time
- ❑ No outage of shafts or RH/LH
- ❑ 3/4" shaft – Dorner gearmotor
- ❑ 20mm shaft – SEW gearmotor

FM Direct End Drive without Motor (LEFT)
FMDD-A85-XDY (See Chart)



FM Direct End Drive without Motor (RIGHT)
FMDD-A85-XDY (See Chart)



Part Number	Shaft Selection	Direction	Aux Shaft Selection
FMDD-A85	X	D	Y
	0 = 20 mm	L = Left	Blank = No Aux Shaft
	E = 3/4 in*	R = Right	A = 20 mm Aux Shaft
	A = 20 mm Aux Only		

*3/4 inch shaft option available in North America only.

Max Traction Force: 1250N
The Direct End Drive Unit is without torque limiter.

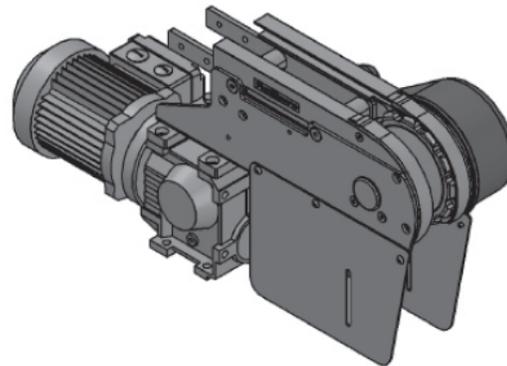
UOM: pc
Chain required 2-way: 0.8 meter
Slide rail required 2-way: 0.5 meter

Suspended Drive Tails

- ❑ All Suspended Drive Tails are available with and without torque limiter
- ❑ All is now build to order in US
- ❑ 5 day lead time
- ❑ No outage of RH/LH
- ❑ 20mm shaft only
- ❑ Limiter has 67% cap.

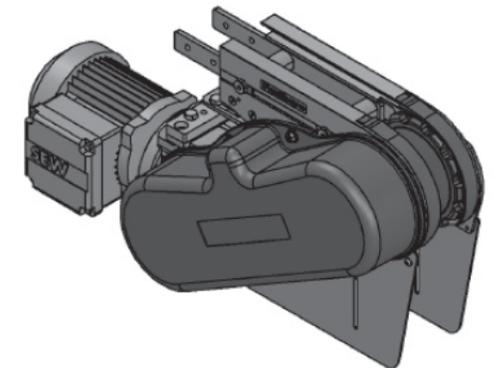
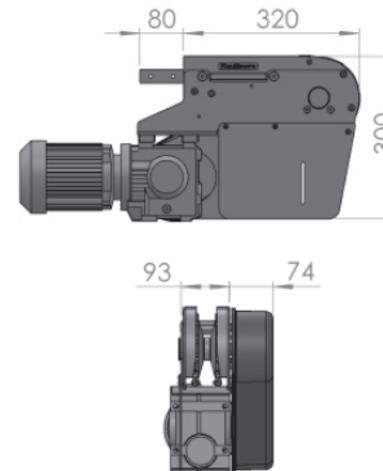
FM Suspended End Drive without Motor (LEFT)

FMSD-A85-0L (with Torque Limiter)
FMSD-A85SPT-0L (without Torque Limiter)



FM Suspended End Drive without Motor (RIGHT)

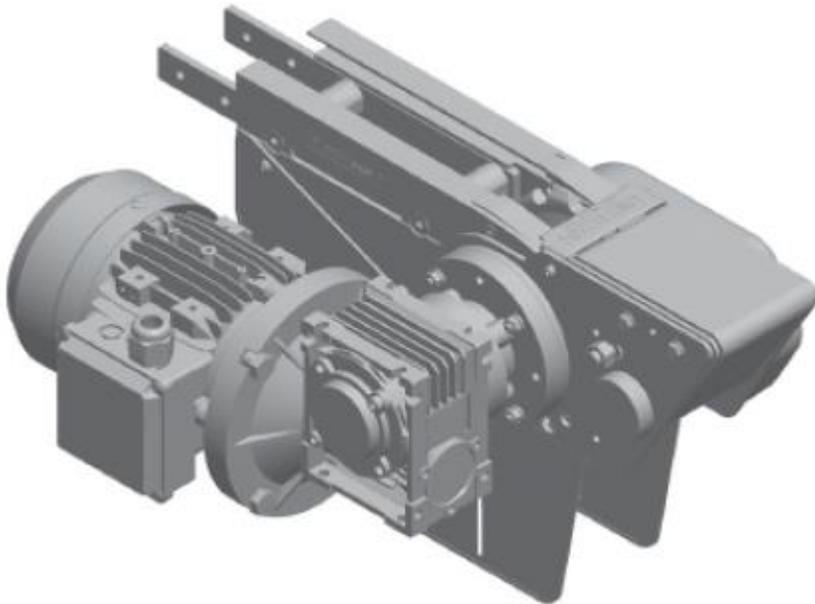
FMSD-A85-OR (with Torque Limiter)
FMSD-A85SPT-OR (without Torque Limiter)



Max Traction Force:
1250N (without limiter)
840N (with limiter)

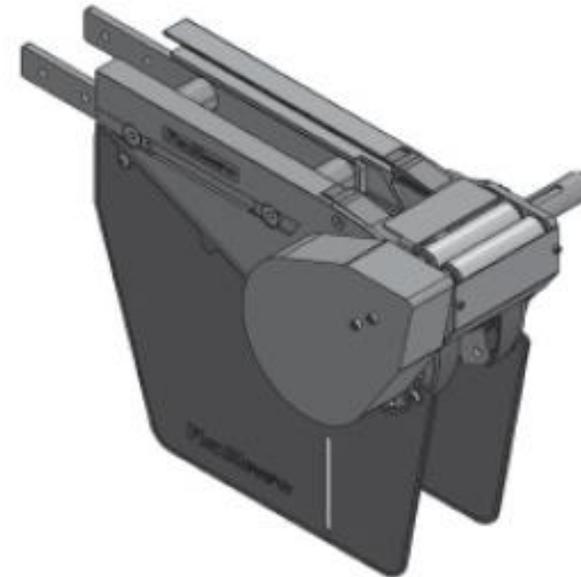
Product Transfers

- ❑ Both Power Transfer and Transfer Bridge are offered in all widths
- ❑ FlexMove and FlexMove Solutions
- ❑ Power Transfer is stock in US



Power Transfer

- Modular Belt
- Min part length = 100mm
- Good for interface with large roller
- 180 FPM max
- 20mm and ¾" output shaft

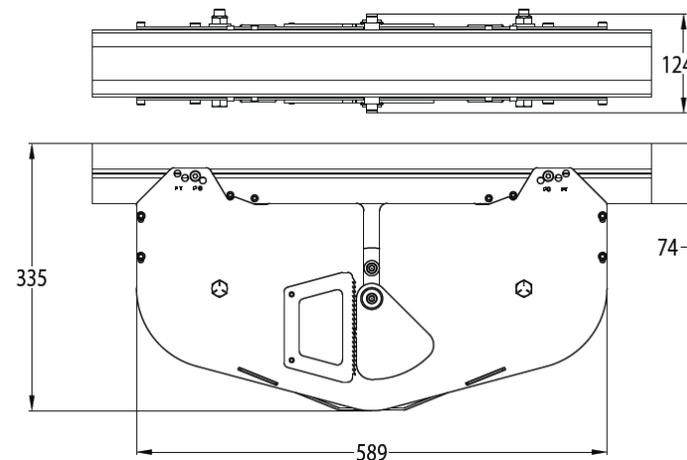


Transfer Bridge

- Driven rollers
- Min part length = 100mm
- Shorter
- Over 180 FPM
- 20mm output shaft only

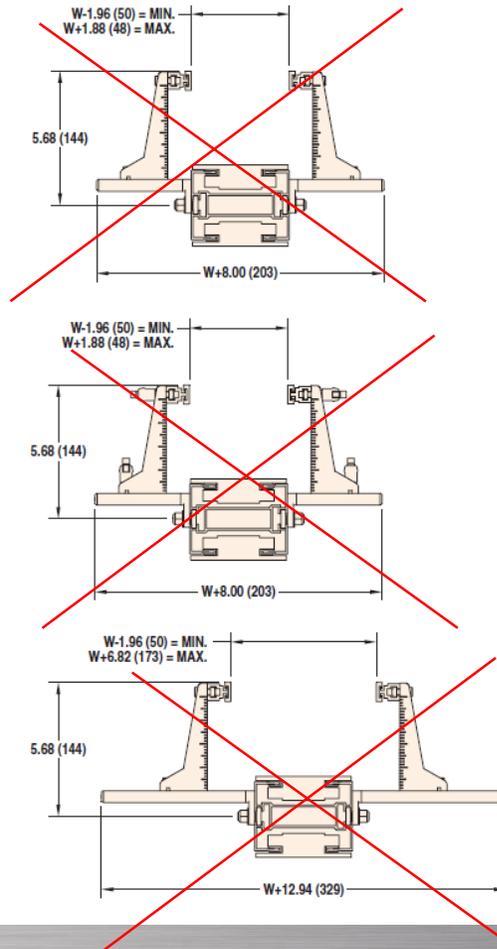
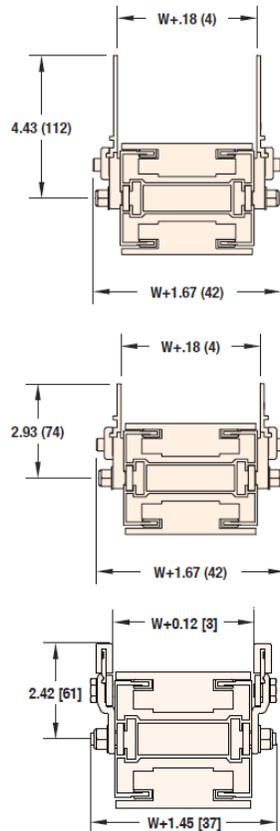
Weighted Take-up

- ❑ Weighted Take-up is offered in all widths (except 45mm)
- ❑ FlexMove and FlexMove Solutions
- ❑ Now standard with 700mm frame
- ❑ Use for conveyors over 12M (40 feet) long
- ❑ Used with GP drive tail
- ❑ Weighted Take-up is stock in US



New Guiding

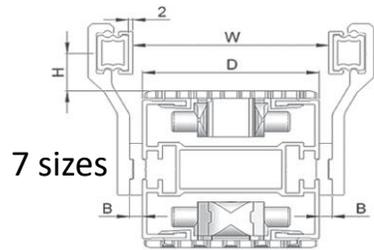
SmartFlex guiding



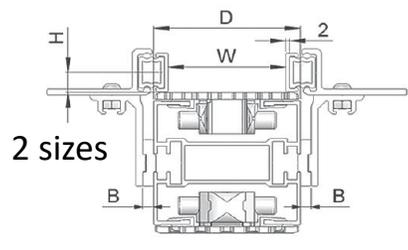
Eliminated adjustable guiding and replaced with FlexMove design

(20) New DTools Standard Guiding Packages

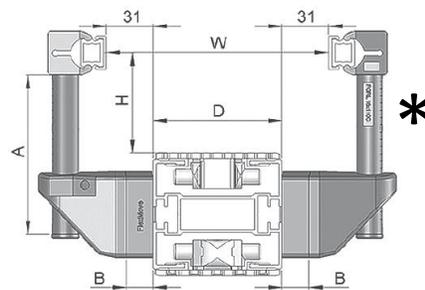
Fixed



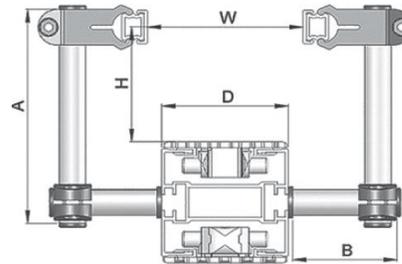
Adjustable Width



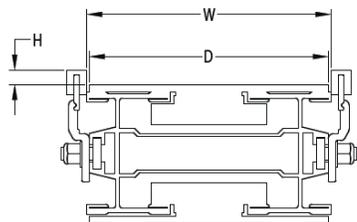
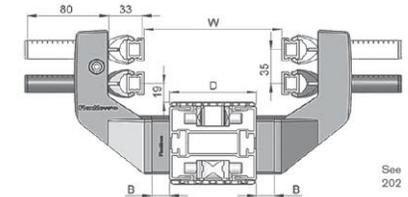
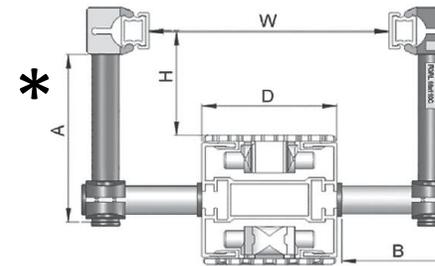
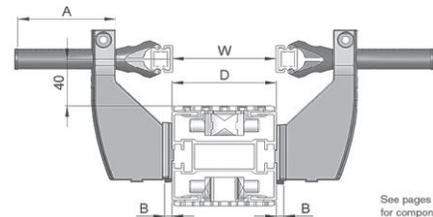
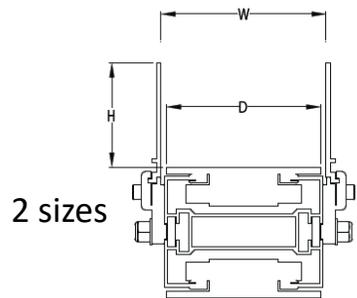
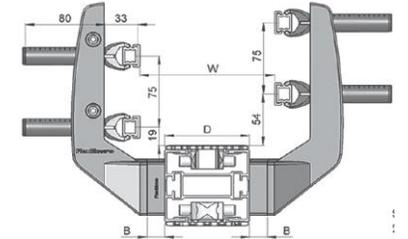
Adjustable Height



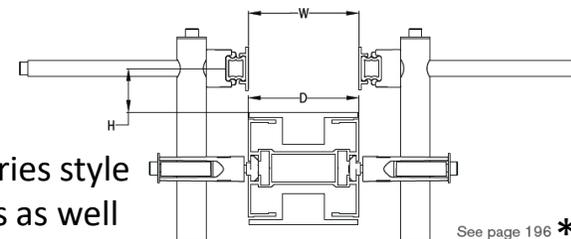
Fully Adjustable



Twin Rail



2200 Series style
Tool-less as well



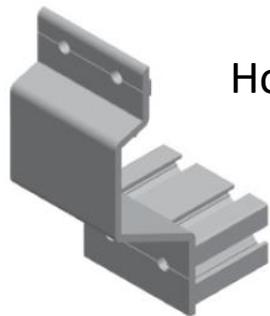
See page 196 *Light duty product only

Support Stands

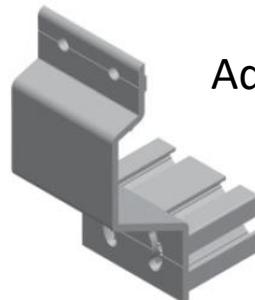
- SmartFlex stands – only available in steel foot and 80mm beam
- FlexMove stands now available in all foot styles and multiple beam sizes

	45mm	65mm	85mm	105mm	150mm	180mm	260mm
64mm Beam	X	X	X	X			
80mm Beam		X	X	X	X	X	X

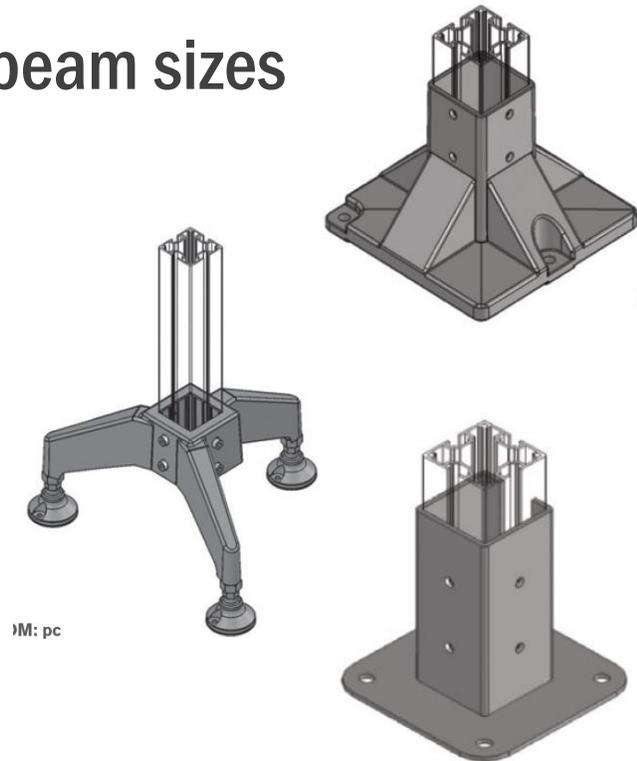
- New 180mm and 260mm standard Support Bracket Kits



Horizontal

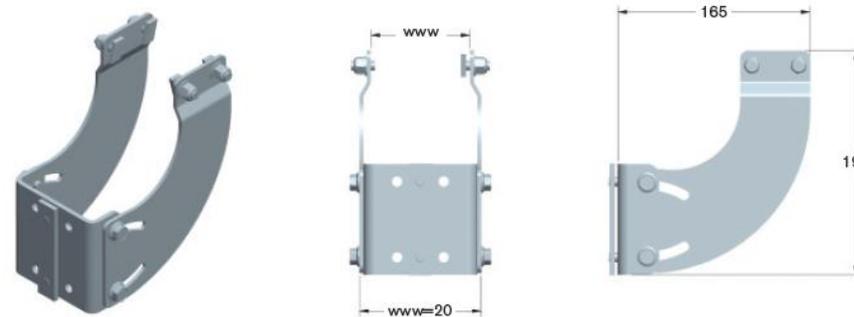


Adjustable Angle



Support Stands – Direct Drive End

- ❑ SmartFlex had a direct drive end stand mount – but only for Dorner Gearmotors
- ❑ FlexMove / Solutions now offers new support structure for drive end independent of gearmotor type.



UOM: pc
For support of direct drive end to vertical beam support

Mounting: All provided



❑ Drive End Support Bracket

- ❑ Uses T-slot in new cast tails
- ❑ Not compatible with old style tails
- ❑ Puts supports in-line on center

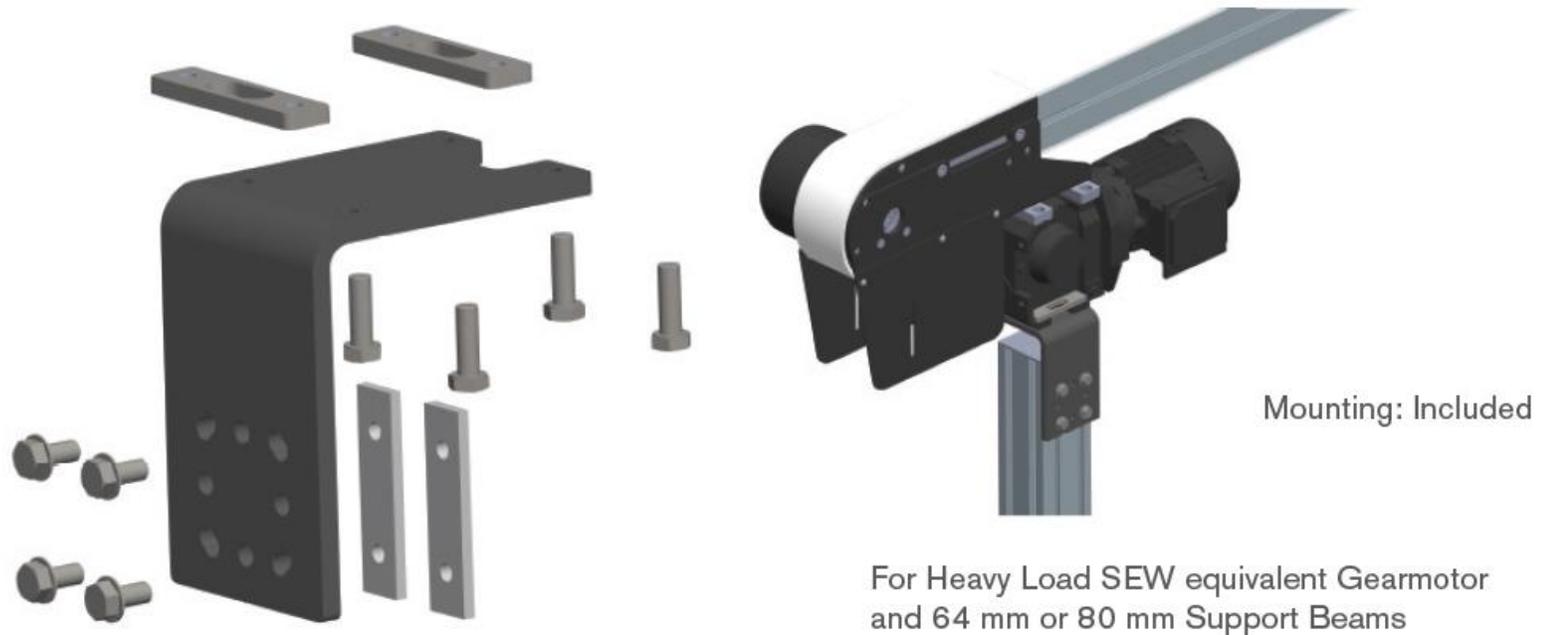
Part Number		Beam	Conveyor	Adjustable
FADBS	-	WW	X	V
		60 = 64 x 64	K = 45 mm	
			S = 65 mm	
			M = 85 mm	
			C = 105 mm	
			L = 150 mm	
			U = 180 mm	
80 = 80 x 80	V = 260 mm			

Support Stands – Suspended Drive

- ❑ New Product
- ❑ FlexMove / Solutions now offers new support structure for suspended drive.

- ❑ Drive End Support Bracket

- ❑ Mounts directly to gearmotor
- ❑ Works on Suspended end and Intermediate drives



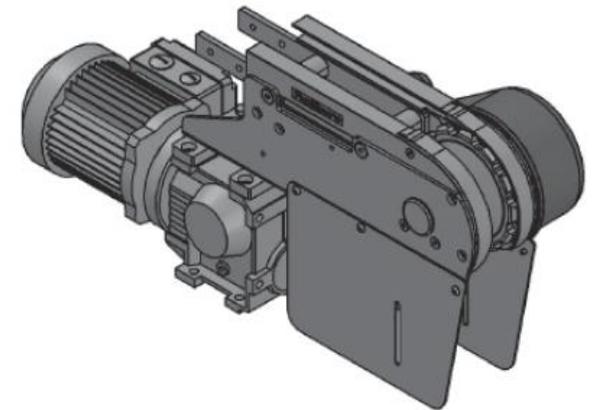
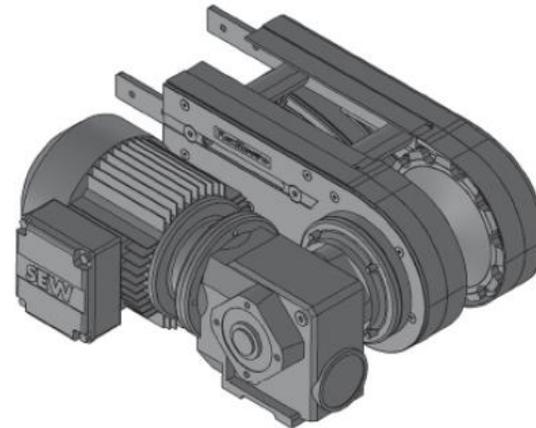
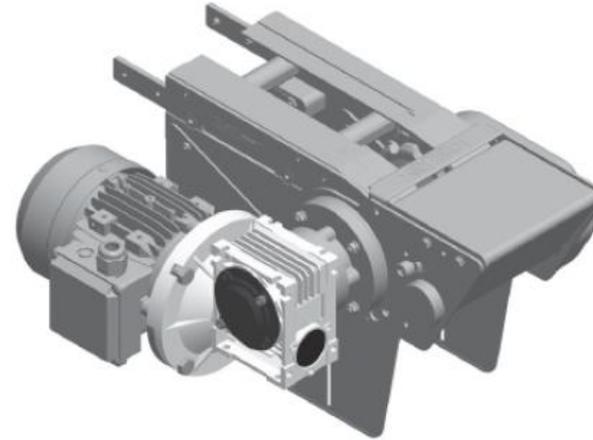
Gearmotors

❑ SmartFlex Gearmotors

- ❑ Standard Load, Heavy Load, SEW

❑ New Gearmotor Offering

- ❑ Standard Load - 3/4" shaft
 - ❑ Available North America Only
 - ❑ Same as Dorner Standard 3200 Series Gearmotor
- ❑ Heavy Load SEW Equivalent - 20mm shaft
 - ❑ Nord Gearmotor
 - ❑ Drop-in for SEW
 - ❑ Direct and Suspended Mount Versions
- ❑ All Now listed in FlexMove catalog



One Brand – (3) Ways to Buy



DTools build by complete conveyor or assemblies

Component Sale

- Customer assembles product
- Provide parts list
- Provide 2D and 3D CAD

Assembled Sale

- Dorner will assemble any Flexmove configuration
- Build components in DTools
- Send to Dorner for assembly quote



Standard Part Number, fully assembled conveyor

Standard Assembled Sale

- Fixed offering
- Standard DTools pricing and lead time



Like Always – We will do ETO

FlexMove Solutions – Expanded Offering



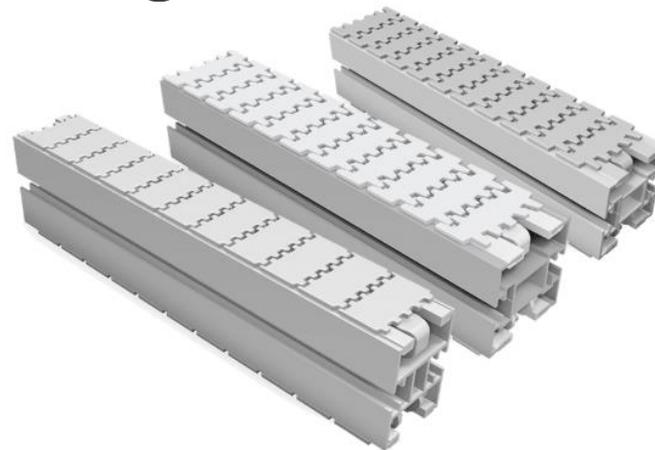
- 65, 85, 105, 150mm wide
- Direct drive only
- Weighted Take-up option
- Power Transfer, roller transfer
- Wheel and plain bends
- Vertical bends
- Plain, friction and conductive chain
- 80mm support posts, steel feet
- 7 guide styles
- Standard Load, Heavy Load, SEW Gearmotors



- 45, 65, 85, 105, 150, 180, 260mm wide**
- Direct and Suspended end drive only**
- Weighted take-up option
- Power Transfer, roller transfer
- Wheel and plain bends
- Vertical bends
- Plain, friction and conductive chain
- 64 and 80mm support posts, steel feet**
- 63 guide styles**
- Standard Load, SEW Equivalent Gearmotors**

FlexMove Components

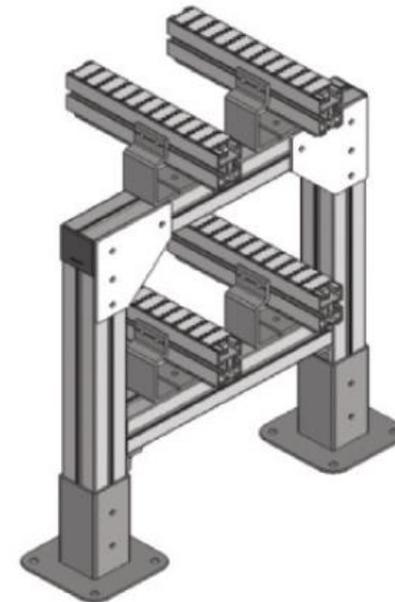
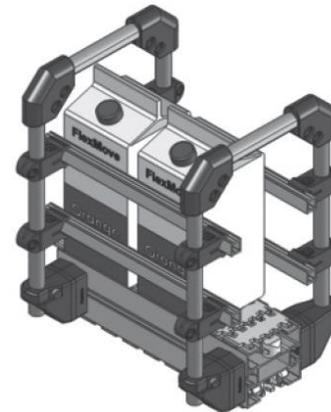
- ❑ If it is not in Solutions – it is most likely in components
- ❑ You are building the entire conveyor in DTools – “piece by piece”
- ❑ Selecting such items as wearstrip, guide rail, slide rails fasteners and stand feet
- ❑ If you are unsure – go with the default DTools item
- ❑ This method is done as experienced Integrators often have their preferred style of specifying the product
- ❑ If unsure – Consult Dorner



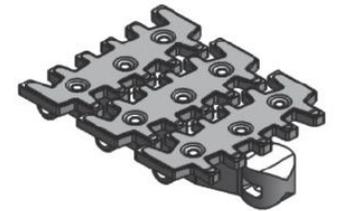
FlexMove Product – Unlimited Possibilities

- ❑ FlexMove is substantially more than what is in DTools Conveyor Build
- ❑ Review the Engineering Manual to understand the possibilities
- ❑ All parts are available to be priced in Quote by Part Number
- ❑ Different drive types
- ❑ Chain types
- ❑ Alternative slide rails
- ❑ Guiding
- ❑ Support structure
- ❑ Mechanical Traffic Modules

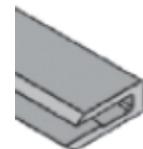
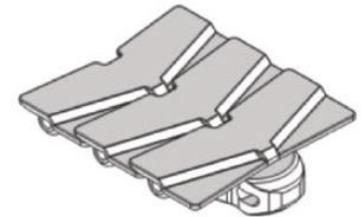
FM Direct Wheel Drive without Motor
FMWD-DD-0M



Stainless Steel Top Chain FMST-5S



Safety Chain FCPC-5V



FASR-25T

New DTools

- ❑ Product has new DTools program
- ❑ Same interface – Solutions vs Components
- ❑ Asks some new loading questions
- ❑ Provides 3D Preview of conveyor
- ❑ Full 2D and 3D Cad

- ❑ Includes Copy Edit capability of a completed quote!!!

The screenshot displays the DORNER DTools interface for a 'FlexMove Solutions Complete Conveyor'. The top navigation bar includes 'Tools', 'Home', 'New Quote', 'Add Products', 'Quote By Part Number', 'Quote In Process' (highlighted), and 'Quotes'. The user is logged in as 'Hello, mike.hosch@dorner.com'.

The main content area is divided into three columns:

- Questions:** 'Configuration Is Completed'. Below this are two orange buttons: 'Add This Configuration To Quote in Process' and 'Discard This Configuration', both with right-pointing arrows.
- More Information:** 'Configuration Successful, choose how'. Below this is a message: 'Configuration Successful, choose how many products you need with the same configuration.' and a dropdown menu for 'Number of Conveyor Package required' set to '1'.
- Previous Answers:** A list of seven configuration steps, each with a right-pointing arrow:
 - Select 21.97 in For The Infeed Top of Chain Height
 - Select Section: 1, Type: Standard Infeed Tail
 - Select Section: 2, Type: Intermediate Length: 44in
 - Select Section: 3, Type: Wheel Bend Direction: LeftHand, Angle: 90
 - Select Section: 4, Type: Intermediate Length: 33in
 - Select Section: 5, Type: Wheel Bend Direction: LeftHand, Angle: 90
 - Select Section: 6, Type: Intermediate Length: 55in
 - Select Section: 7, Type: End Drive

Below the text columns is a 3D CAD preview of the conveyor system, showing a green frame with rollers and a motor. At the bottom left is a 'Cancel' button with a close icon.

Launch & Timing

- ❑ Formal Product DTools Launch
- ❑ Go Live – week of July 15th
- ❑ New Catalogs – at print
- ❑ Website change over
- ❑ Orders for old version SmartFlex will be honored for 3 months
- ❑ All New products shown in presentation are in stock and available today!!

Questions...

*Thank you for taking the time today to learn more about
Dorner FlexMove product*