



AMMUNITION FLEX CHUTE PRODUCT FAMILY

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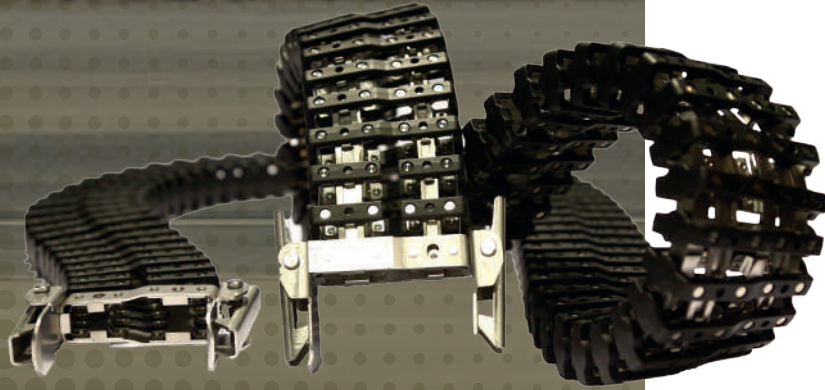
AMMUNITION FLEX CHUTE PRODUCT FAMILY

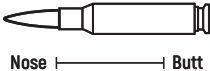




Ammunition Flex Chutes are currently being manufactured by few companies in the world, and in the past Turkey's defence industries have had to satisfy their requirements in this regard from abroad. Today, however, ANOVA is offering to the market its entirely indigenously designed Ammunition Flex Chutes. Ammunition Flex Chutes are used in unmanned weapon systems to carry munitions from the ammunition box to the barrel and are today used mostly to feed remote-control weapon systems. The main features of the chutes are its flexible structure and its ability to circumvent different geometries between the ammunition box and the weapon system, allowing them to function under every possible scenario. It can be easily mounted on weapon systems, and the components used in the assembly have been designed and produced in such a way that they will not cause problems throughout the life cycle of the product. The Chute's low frictional force, as one of the most critical parameters in weapon-feed systems, and its resistance to static/dynamic forces, have been verified in the thorough tests that it has been subjected to.

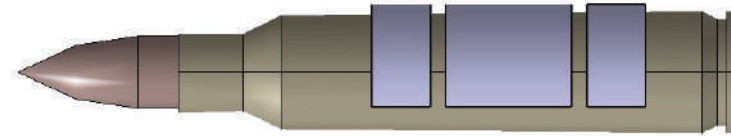
ANOVA FLEX CHUTE FAMILY and CALIBER

Ammunition Caliber	Body Structure
5,56x45 mm	Composite body and stainless steel feed path
7,62x51 mm	Composite body and stainless steel feed path
7,62x54 mm	Composite body and stainless steel feed path
12,7x99 mm	Aluminum body and stainless steel feed path
12,7x108 mm	Aluminum body and stainless steel feed path
14,5x114 mm	Aluminum body and stainless steel feed path
20x102 mm	Aluminum body and stainless steel feed path
25x137 mm	Aluminum body and stainless steel feed path
30x113 mm	Composite body and stainless steel feed path
30x165 mm	Aluminum body and stainless steel feed path
30x173 mm	Aluminum body and stainless steel feed path
35x228 mm	Aluminum body and stainless steel feed path
40x53 mm	Composite body and stainless steel feed path
25x137 mm	Aluminum body and stainless steel feed path
30x165 mm	Aluminum body and stainless steel feed path

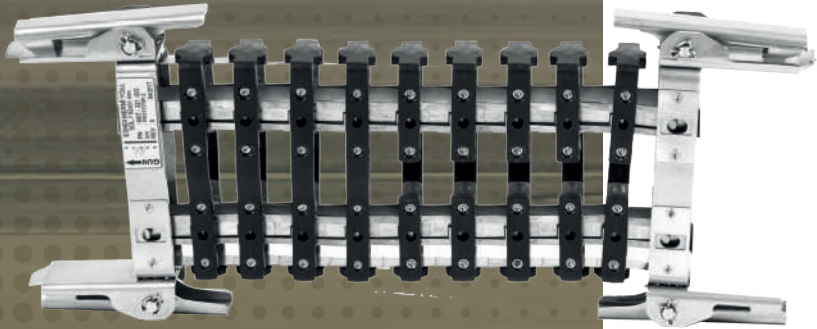
5.56x45 mm AMMUNITION FLEX CHUTE

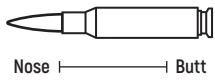
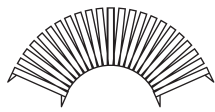
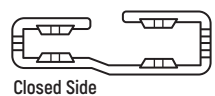




Technical Data*			
FAN	Nose: 115 mm		
	Butt: 120 mm		
BEND	Closed Side: 30 mm		
	Open Side: 30 mm		
90° TWIST	90° Twist: 500 mm		
* Harpax keeps his rights to change the technical dimensions in the document without any notification.			



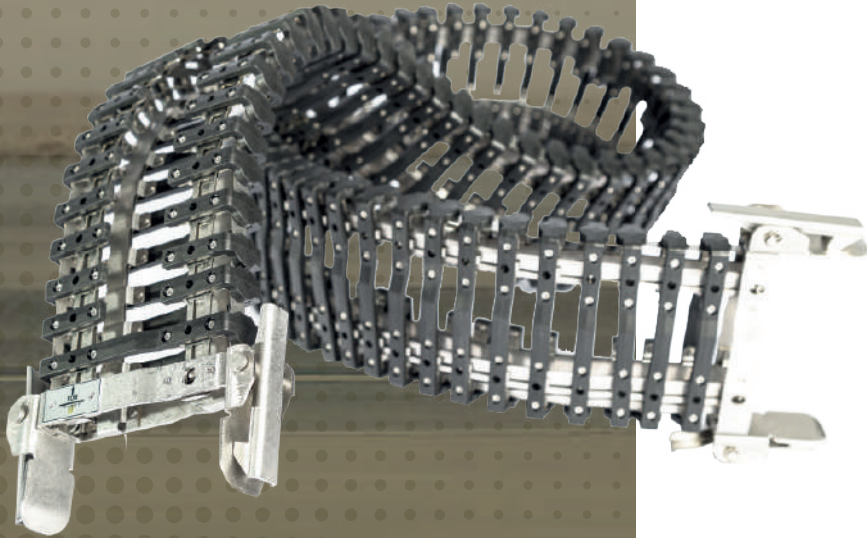
7.62x51 mm AMMUNITION FLEX CHUTE

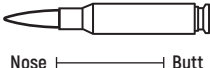
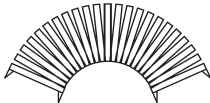





Technical Data*				
FAN	Mermi Ucu: 120 mm			
	Mermi Tabanı: 125 mm			
BEND	Bakla Kapalı Taraf: 30 mm			
	Bakla Açık Taraf: 30 mm			
180° TWIST	180° Burgu: 500 mm			
* Harpax keeps his rights to change the technical dimensions in the document without any notification.				

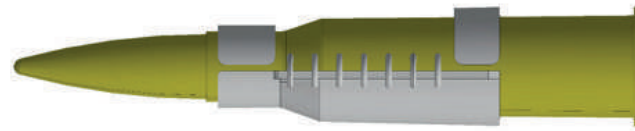


7.62x54 mm AMMUNITION FLEX CHUTE

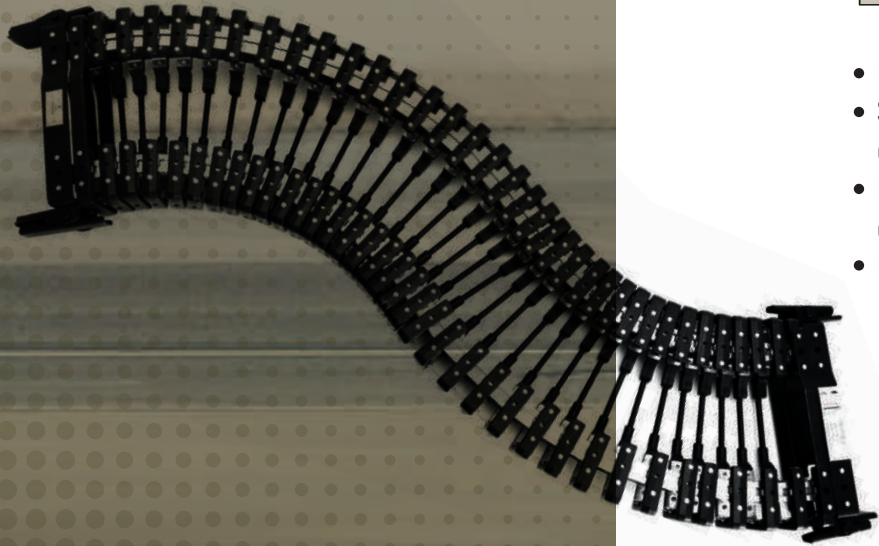


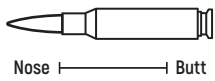
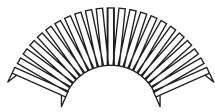
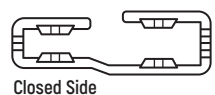


Technical Data*				
FAN	Nose: 145 mm			
	Butt: 165 mm			
BEND	Closed Side: 40 mm			
	Open Side: 50 mm			
90° TWIST	90° Burgu: 990 mm			
* Harpax keeps his rights to change the technical dimensions in the document without any notification.				

- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Composite body and stainless steel feed path

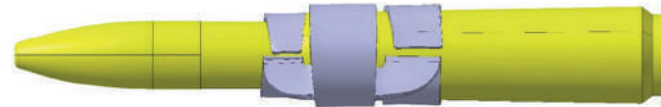


12.7x99 mm AMMUNITION FLEX CHUTE

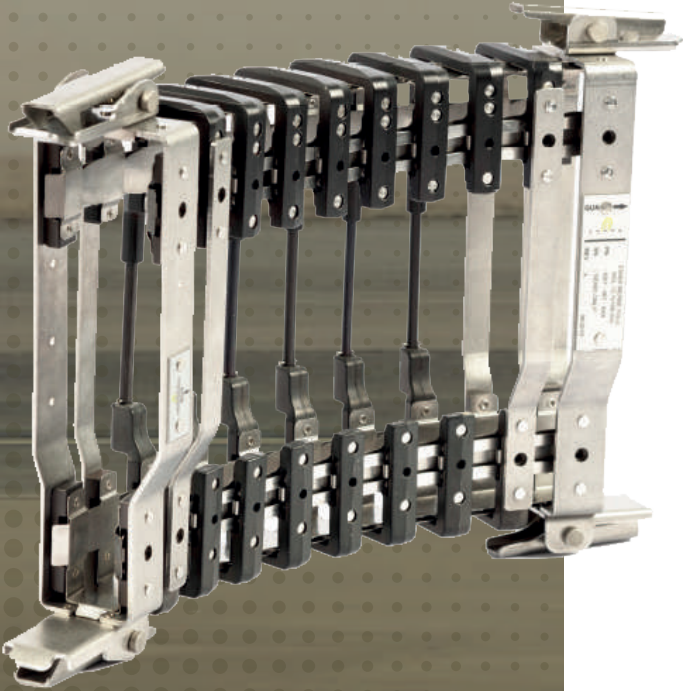


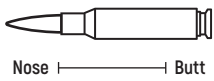

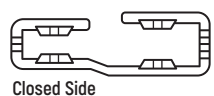
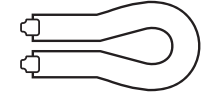

Technical Data*				
FAN	Nose: 133 mm			
	Butt: 128 mm			
BEND	Closed Side: 20 mm			
	Open Side: 30 mm			
180° TWIST	180° Twist: 630 mm			
* Harpax keeps his rights to change the technical dimensions in the document without any notification.				

- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- M9 Link
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Aluminum body and stainless steel feed path

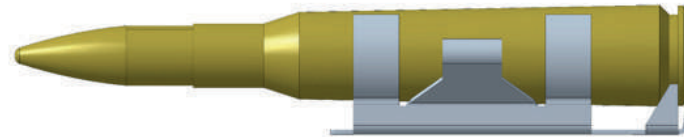


12.7x108 mm AMMUNITION FLEX CHUTE

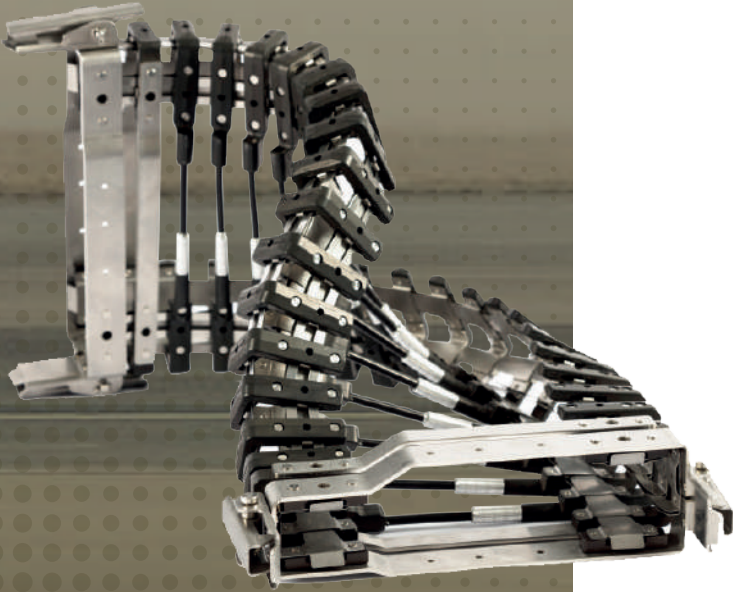


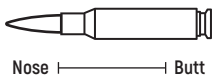

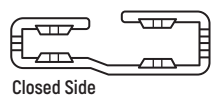


Technical Data*				
FAN	Nose: 118 mm			
	Butt: 150 mm			
BEND	Closed Side: 28 mm			
	Open Side: 35 mm			
180° TWIST	180° Twist: 600 mm			
* Harpax keeps his rights to change the technical dimensions in the document without any notification.				

- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Aluminum body and stainless steel feed path

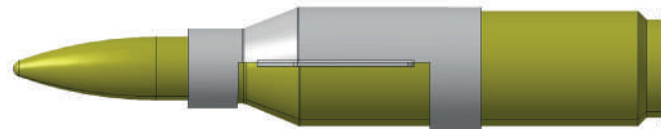


14.5x114 mm AMMUNITION FLEX CHUTE

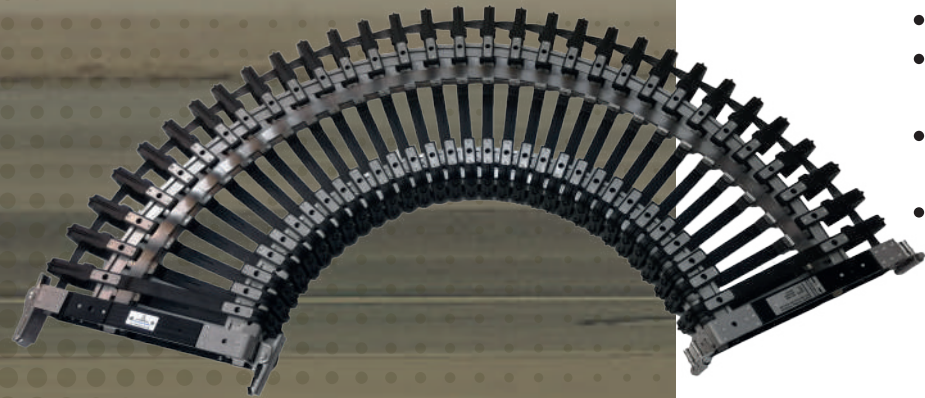


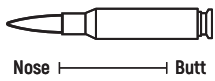

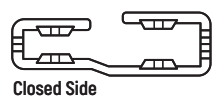
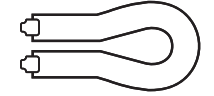

Technical Data*				
FAN	Nose: 125 mm			
	Butt: 157 mm			
BEND	Closed Side: 28 mm			
	Open Side: 35 mm			
180° TWIST	180° Twist: 610 mm			
* Harpax keeps his rights to change the technical dimensions in the document without any notification.				

- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Aluminum body and stainless steel feed path



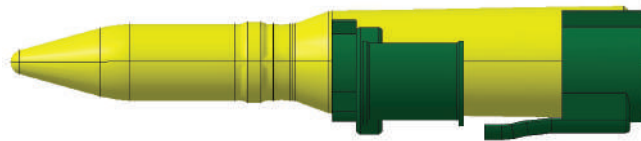
20x102 mm AMMUNITION FLEX CHUTE



Technical Data*				
FAN	Nose: 90 mm			
	Butt: 155 mm			
BEND	Closed Side: 60 mm			
	Open Side: 50 mm			
180° TWIST	180° Twist: 1000 mm			

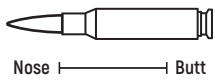

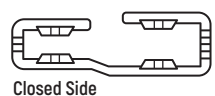
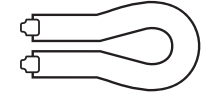

* Harpax keeps his rights to change the technical dimensions in the document without any notification.

- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- M14A2 Link
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Aluminum body and stainless steel feed path

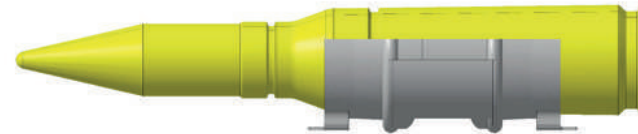


25x137 mm AMMUNITION FLEX CHUTE

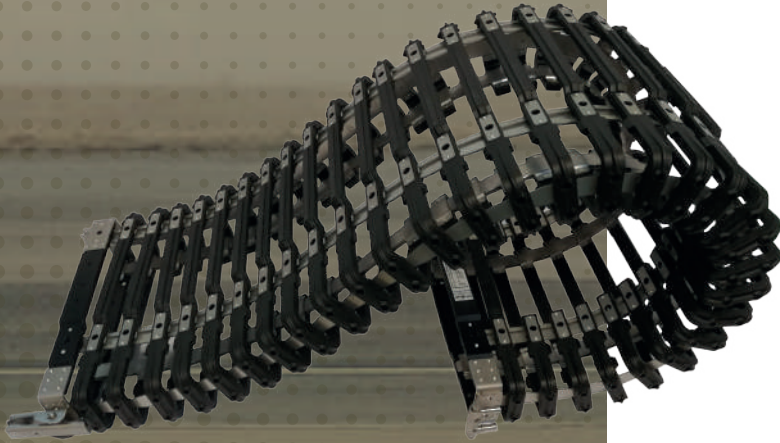







Technical Data*				
FAN	Nose: 105 mm			
	Butt: 120 mm			
BEND	Closed Side: 70 mm			
	Open Side: 50 mm			
180° TWIST	180° Twist: 620 mm			
* Harpax keeps his rights to change the technical dimensions in the document without any notification.				

- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Aluminum body and stainless steel feed path

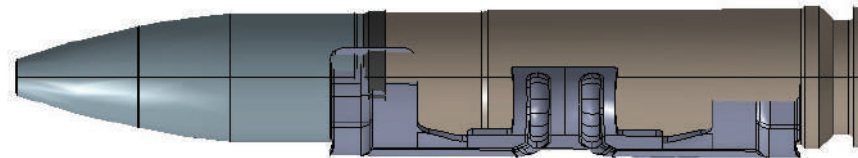


30x113 mm AMMUNITION FLEX CHUTE


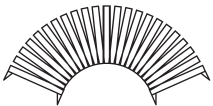
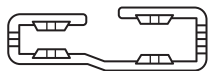




Technical Data*			
FAN	Nose: 175 mm		
	Butt: 185 mm		
BEND	Closed Side: 63 mm		
	Open Side: 63 mm		
90° TWIST	90° Twist: 1000 mm		
* Harpax keeps his rights to change the technical dimensions in the document without any notification.			

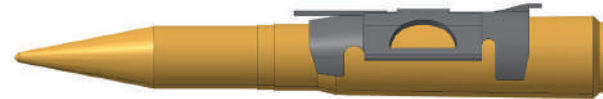
- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Composite body and stainless steel feed path



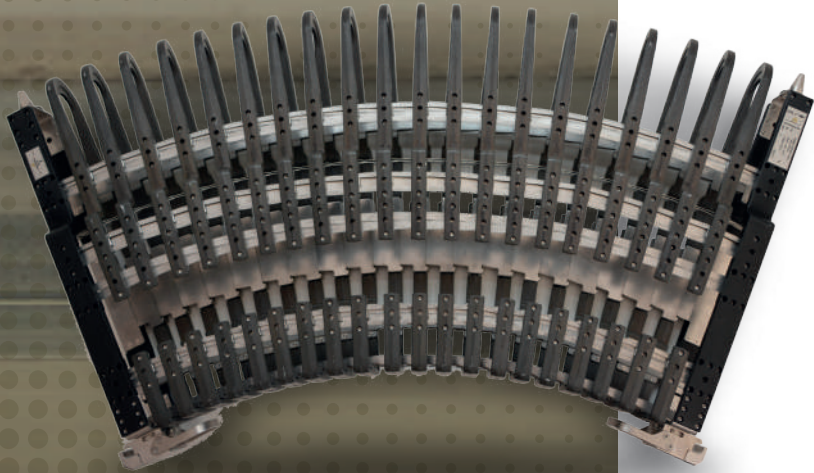
30x165 mm AMMUNITION FLEX CHUTE

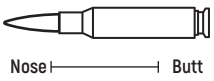
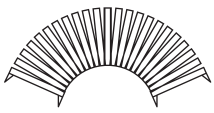
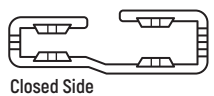


Technical Data*			
FAN	Nose: 80 mm	 Nose ———— Butt	
	Butt: 300 mm		
BEND	Closed Side: 75 mm	 Closed Side	
	Open Side: 75 mm		
90° TWIST	90° Twist: 1000 mm		
* Harpax keeps his rights to change the technical dimensions in the document without any notification.			

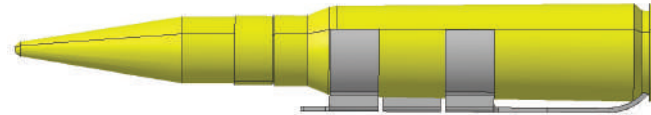
- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- 2A42 Link
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Aluminum body and stainless steel feed path



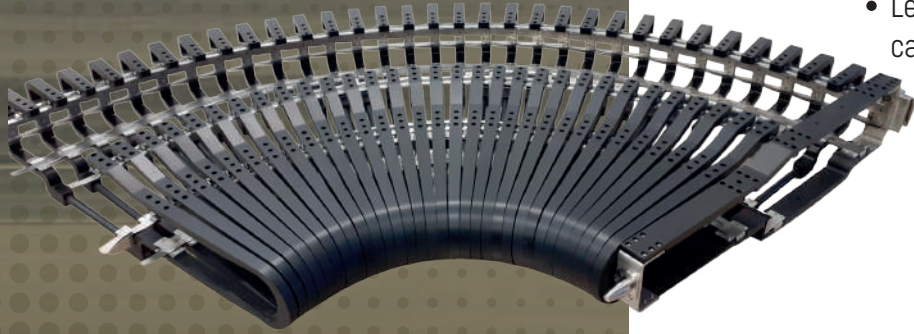
30x173 mm AMMUNITION FLEX CHUTE

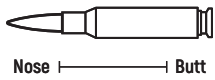

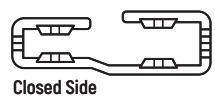




Technical Data*			
FAN			
		Nose Butt	
BEND			
		Closed Side	
90° TWIST			
* Harpax keeps his rights to change the technical dimensions in the document without any notification.			

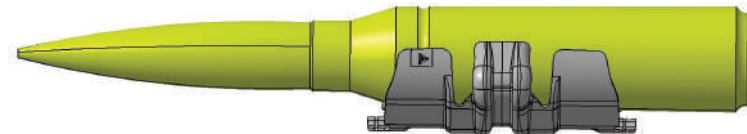


35x228 mm AMMUNITION FLEX CHUTE

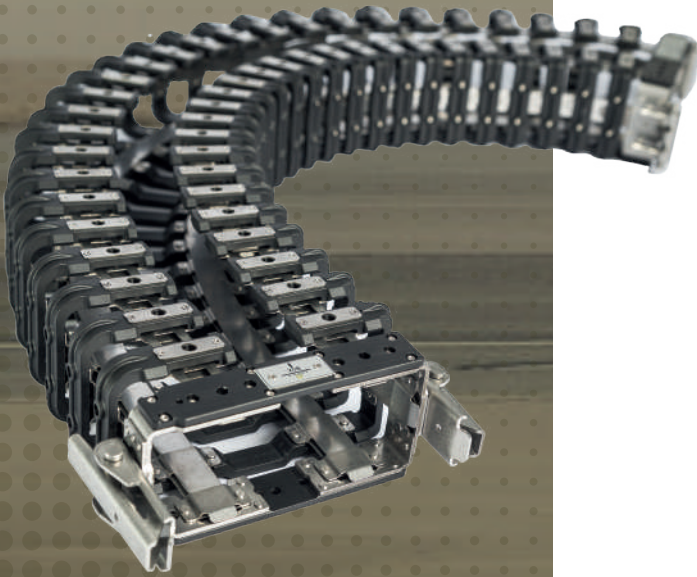


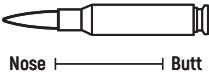




Technical Data*				
FAN	Nose: 150 mm			
	Butt: 225 mm			
BEND	Closed Side: 80 mm			
	Open Side: 60 mm			
90° TWIST	90° Twist: 950 mm			
* Harpax keeps his rights to change the technical dimensions in the document without any notification.				

- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Aluminum body and stainless steel feed path



40x53 mm AMMUNITION FLEX CHUTE

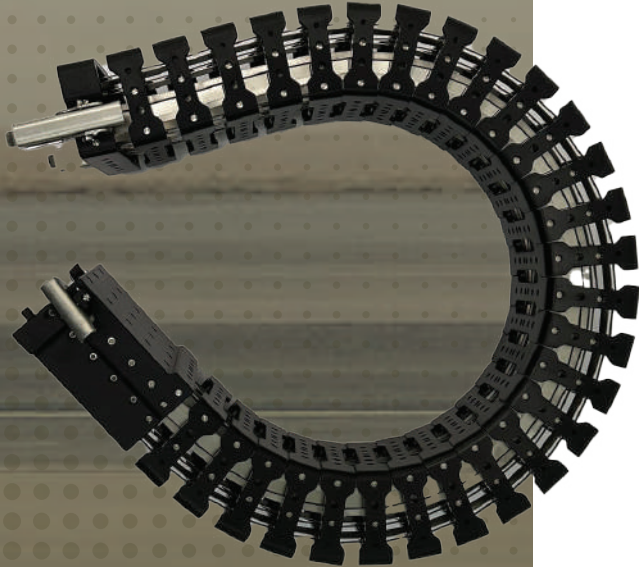


Technical Data*			
FAN	Nose: 90 mm		
	Butt: 95 mm		
BEND	Closed Side: 75 mm		
	Open Side: 75 mm		
90° TWIST	90° Twist: 910 mm		
* Harpax keeps his rights to change the technical dimensions in the document without any notification.			

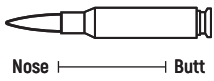

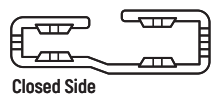


- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Composite body and stainless steel feed path



25x137 mm FLEX EJECT CHUTE



Technical Data*

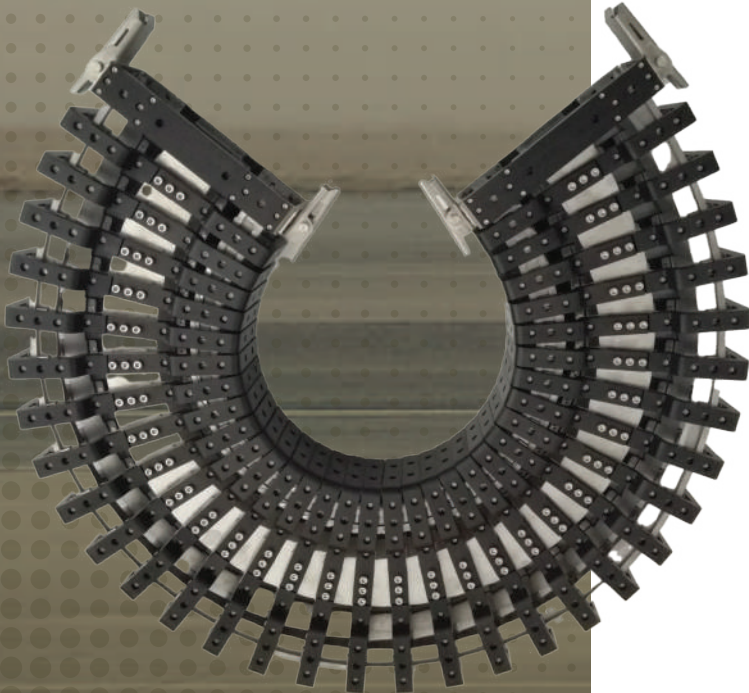
FAN	Nose: 230 mm		
	Butt: 350 mm		
BEND	Closed Side: 115 mm		
	Open Side: 115 mm		
20° TWIST	20° Twist: 500 mm		

* Harpax keeps his rights to change the technical dimensions in the document without any notification.

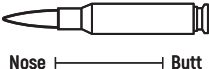




- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Aluminum body and stainless steel feed path



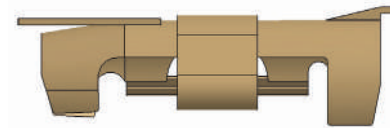
30X165 mm FLEX EJECT CHUTE



16

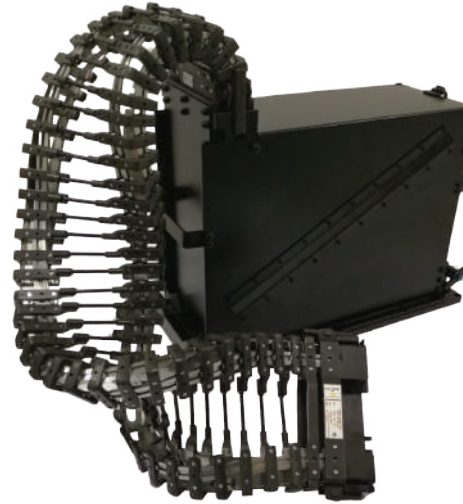
Technical Data*			
FAN	Nose: 90 mm		
	Butt: 90 mm		
BEND	Closed Side: 80 mm		
	Open Side: 80 mm		
90° TWIST	90° Twist: 1200 mm		
* Harpax keeps his rights to change the technical dimensions in the document without any notification.			

- Designed and verified per MIL standards
- Smooth feeding of ammunition, decreased weapon pull force
- Left and right feed options from ammo can to the weapon
- Fully flexible body structure
- Modular construction, adaptable to any weapon system
- Aluminum body and stainless steel feed path



AMMUNITION BOXES

5.56, 7.62 and 12.7 Ammunition Box Examples



GUN ADAPTERS

5.56x45 mm

Suitable guns: M249



7.62x51 mm

Suitable guns: M240







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