



.....conveying non-stop movements since 1988



Gravity Convey Solution



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Gravity convey is the most simple and popular convey. Roller running is passive. Goods are moved and conveyed by gravity or human force. According to the arrangement ways, it is classified as leaning and horizontal.

Leaning Arrangement

Conveyed by the gravity of goods. Simple structure, economical and practical, but not easy to control the sliding condition of goods. Suitable for short distance convey between work stations, and suitable for gravity rack convey.

Horizontal Arrangement

Moved by human force, suitable for convey of light weight, short distance and not so frequent work.

AGR-1200 (Series)

Universal conveyor roller

Product Features

1. As the typical product in the gravity roller series, it is widely applied, especially in the carton conveying area, e.g. airport luggage handling and logistic distribution centre.
2. Precision ball bearing MS bearing housing, HD end cap form the bearing unit which is very important. It is not only for good looking but also further more for the smooth and quiet running.
3. The HD end cap of roller resists dust splash well in operation environment.
4. The design of MS bearing housing makes it able to operate in some special environment.
5. The lubricating method of bearing could be oil lubricating or grease lubricating as requirement.
6. Suitable for the high-speed conveying. Speed could vary according to diameter and length of roller, Max. speed up to 120m/min.
7. Semi-precision bearing for option, smooth running, be used for gravity roller conveyor in low speed (<30m/min)
8. Temperature range: 0 to +40°C



You could find the products in the catalogue according to their different features:

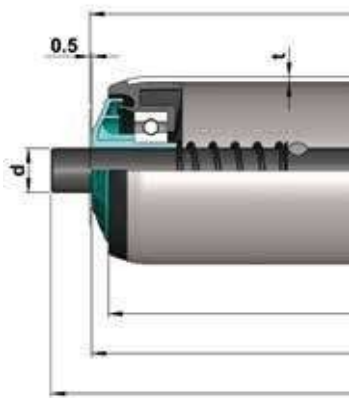
Product Features	Series	Diameter
Most popular in carton convey, nice and low noise	NGA -1200	Ø25/37/38/40/50/60/80
Labyrinth seal structure, suitable for severe environment	NGA -1700	Ø 60/76 / 89/ 108/ 133/ 159

Parameters:

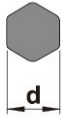
Bearing Unit	
Bearing Housing	MS Housing Zinc – plated
End Cap	HD, Polypropylene
Precision Ball Bearing	Every Bearing are ZZ

NGA-1200 Series

(Spring Loaded-Series)



Tube Dia. (D)	Shaft Dia. (d)		
Ø37	Ø10/8hex	E=W+9	L=W+31
Ø38	Ø12/11hex	E=W+9	L=W+31



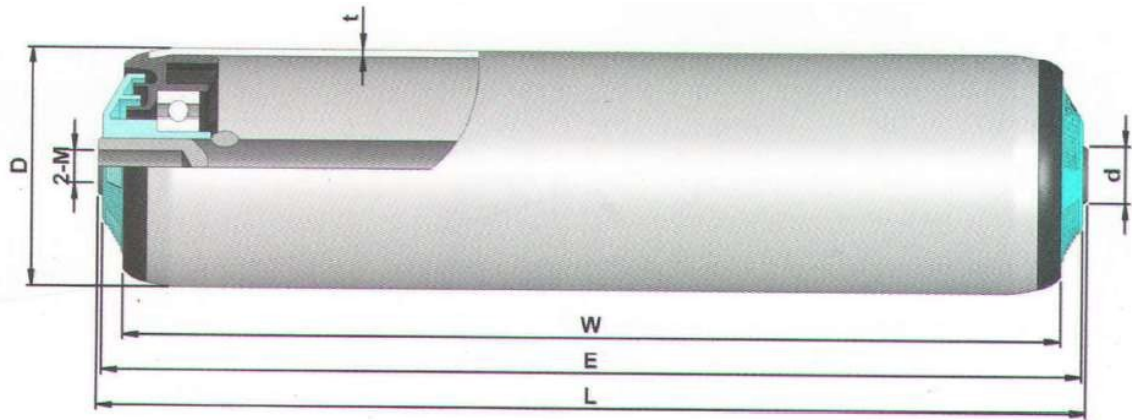
d=11hex

Ø40	Ø12/11hex	E=W+9	L=W+31
Ø50	Ø12/11hex	E=W+9	L=W+31
Ø60	Ø17/17hex	E=W+9	L=W+31
Ø80	Ø20/17hex	E=W+11	L=W+41

Tube	D X t	Bearing	Shaft Dia (d) Ø10	11hex
MS, Zinc - plated	Ø25x1.2 /1.6 /2mm	ZZ	10	8
	Ø37x1.2 /1.6 /2mm	ZZ	12/15	11
	Ø38x1.2 /1.6 /2mm	ZZ	12/15	11
	Ø40x1.2 /1.6 /2mm	ZZ	12/15	11
	Ø 50x1.6/ 2 /4mm	ZZ	12/15	11
	Ø60 x1.6/ 2/ 3/4 /5mm	ZZ	17	17
	Ø80 x 3/ 4/ 5mm	ZZ	20	20
PVC (2 mm)				
Steel, Zinc plated				
Stainless Steel	Ø 38 X 1.2 /1.5mm	ZZ	12/15	11
	Ø 50.6 X 1.5mm	ZZ	12/15	11
	Ø 60 X 2mm	ZZ	17	17
G, I Pipe	Ø 21.43 X 3.20mm			
	Ø 21.20 X 3.20mm			
	Ø 33.80 X 4.00mm			
	Ø 42.90 X 4.00mm			
	Ø 48.40 X 4.00mm			
	Ø 60 X 4.50 mm			
	Ø 76.20 X 4.50 mm			
	Ø 88.90 X 4.80 mm			
	Ø 114 X 5.40 mm			
	Ø 139 X 5.40 mm			
	165 X 5.40 mm			
Aluminium oxidation	Ø 50.6 X 1.5mm	ZZ	12/15	11
	Ø 60 X 2 mm	ZZ	17	17

NGA -1200 Series

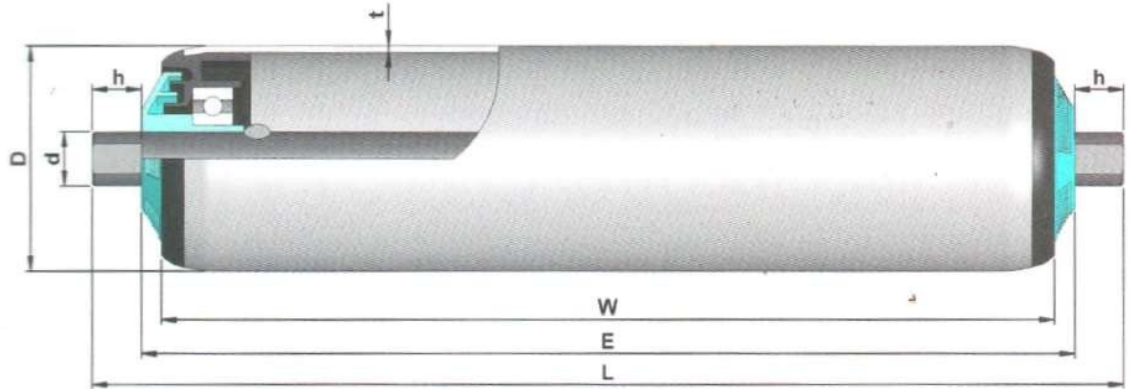
(Female Thread)



Tube Dia. (D)	Shaft Dia. (d)		
Ø25	Ø10	E=W+9	L=W+11
Ø37	Ø10	E=W+9	L=W+11
Ø38	Ø12	E=W+9	L=W+11
Ø40	Ø12	E=W+9	L=W+11
Ø50	Ø12/15	E=W+9	L=W+11
Ø60	Ø12/15 /17	E=W+9	L=W+11
Ø80	Ø17/ 20	E=W+11	L=W+13

Tube	D X t	Bearing	Shaft Dia
MS, Zinc - plated	Ø25x1.2/ 1.6/ 2mm	ZZ	Ø10 (M8 X15)
	Ø37x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (M10 X20)
	Ø38x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (M10 X20)
	Ø40x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (M10 X20)
	Ø50x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (M10X20)
	Ø60x2/ 3/ 4/ 5mm	ZZ	Ø17 (M12X20)
	Ø80x3/ 4/ 5mm	ZZ	Ø20 (M12X25)
PVC (2 mm)	Ø 50.6 X 1.5/2mm	ZZ	Ø12/15 (M10X20)
MS, Zinc plated, With PVC Sleeve (2mm)			
Stainless Steel	Ø 38 X 1.2 mm	ZZ	Ø10 (M8X15)
	Ø 50.6 X 1.5 mm	ZZ	Ø12/15 (M10 X20)
	Ø 60 X 2 mm	ZZ	Ø17 (M12 X20)
Aluminium oxidation	Ø 38 X 1.5 mm	ZZ	Ø10 (M10 X20)
	Ø 50.6 X 1.5 mm	ZZ	Ø12/15 (M10X20)
	Ø 60 X 2 mm	ZZ	Ø17 (M12X20)

NGA -1200 Series



(Flat Milling)



Tube Dia. (D)	Shaft Dia. (d)		
Ø25	Ø10	E=W+9	L=W+31
Ø37	Ø10	E=W+9	L=W+31
Ø38	Ø12	E=W+9	L=W+31
Ø40	Ø12	E=W+9	L=W+31
Ø50	Ø12 /15	E=W+9	L=W+31
Ø60	Ø15 /17	E=W+9	L=W+50
Ø80	Ø17/20	E=W+11	L=W+50

Tube	D X t	Bearing	Shaft Dia (d) (Round)	Shaft Dia (hex)
MS, Zinc - plated	Ø25x1.2/ 1.6/ 2mm	ZZ	Ø10 (b/h=8/10)	8mm
	Ø37x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (b/h=10/15)	10/11 mm
	Ø38x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (b/h=10/15)	10/11mm
	Ø40x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (b/h=10/15)	11mm
	Ø50x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (b/h=10/15)	11 mm
	Ø60x2/ 3/ 4/ 5mm	ZZ	Ø17 (b/h=15/40)	17mm
PVC (2 mm)	Ø 50.6 x 1.5/2	ZZ	Ø12/15 (b/h=10/15)	11mm
MS, Zinc plated, With PVC Sleeve (2mm)				
Stainless Steel	Ø 38 X 1.2	zz	Ø12/15 (b/h=10/15)	10/11mm
	Ø 50.6 X 1.5	zz	Ø12/15 (b/h=10/15)	11 mm
	Ø 60 X 2	zz	Ø17 (b/h=15/40)	17mm
Aluminium oxidation	Ø 38 X 1.5	zz	Ø12/15 (b/h=10/15)	10/11 mm
	Ø 50.6 X 1.5	zz	Ø12/15 (b/h=10/15)	11mm
	Ø 60 X 2	zz	Ø17 (b/h=15/40)	17mm
PVC	Ø 50 X 2.5	zz	Ø12/15 (b/h=10/15)	11mm



NGA-1700 (Series)

Roller for Bulk Handling

Product Features:

1. Mainly applied as belt supporting roller of bulk in mining or dock, also could be applied in hard environment of timber processing or outdoor and rainy condition.
2. Adopt labyrinth sealed structure, form a complex, curving and match able labyrinth channel between inside and outside sealing parts, well water proof and dust proof.
3. Meet the requirement supporting roller.

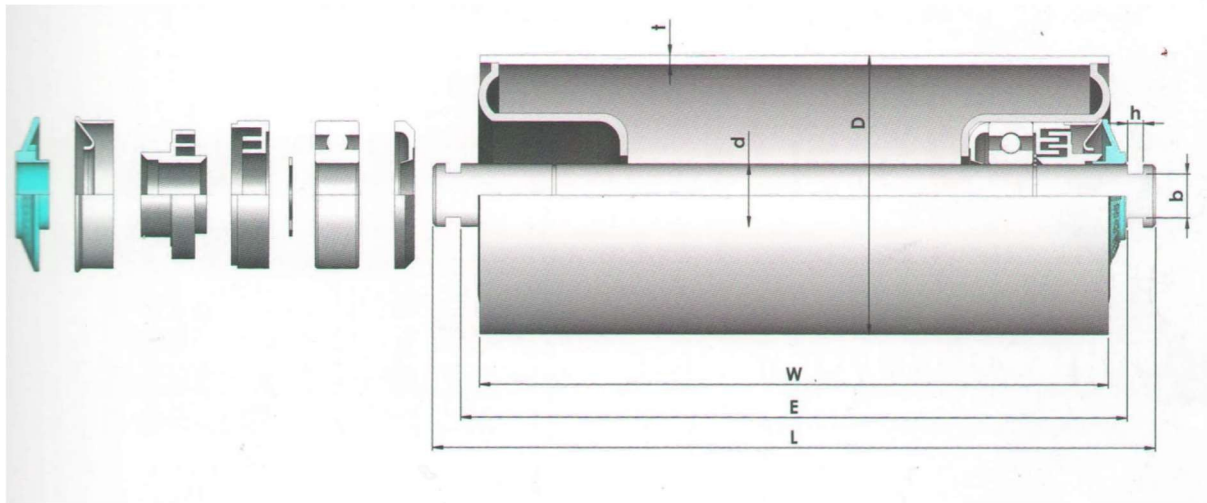
Parameters:

Bearing Unit	
Bearing Housing	MS Housing
Precision Ball Bearing	ZZ
Labyrinth sealing unit	POM



NGA -1700 Series

(Flat Milling)





Tube	D X t	Bearing	Shaft Dia (d) Ø (Round)
MS, paint or powder coating	Ø25x1.2/ 1.6/ 2mm	ZZ	Ø10/ 8 hex (b/h=9/8)
	Ø37x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (b/h=11/10)
	Ø38x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (b/h=12/10)
	Ø40x1.2/ 1.6/ 2mm	ZZ	Ø12/15(b/h=12/10)
	Ø50x1.2/ 1.6/ 2mm	ZZ	Ø12/15 (b/h=12/10)
	Ø60x2/ 3/ 4/ 5mm	ZZ	Ø17/20 (b/h=14/6)
	Ø 76 X 3	ZZ	Ø20 (b/h=14/6)
	Ø 89 X 3	ZZ	Ø20/25 (b/h=18/8)
	Ø 89 X 4	ZZ	Ø20/25(b/h=18/8)
	Ø 108 X 3.5	ZZ	Ø25/30(b/h=22/8)
	Ø 133 X 3.5	ZZ	Ø25/30(b/h=22/8)
	Ø 159 X 4	ZZ	Ø25/30(b/h=22/8)

NGA -1900 (Series)

Light Conveyor roller