



PRODUCT BROCHURE

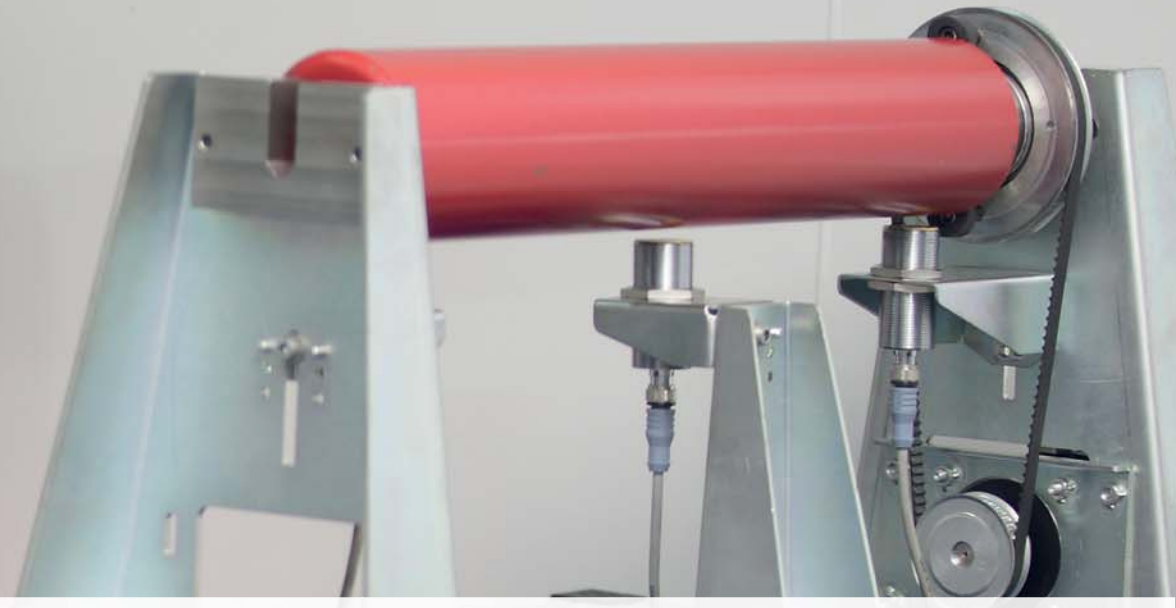
Contacts

+86 (0)769 87300230

www.marti-epc.com.cn

info@marti-epc.com.cn

WWW.MARTI-EPC.COM.CN



MARTI QUALITY

Our attention to details and our complete dedication towards what we do guarantees an exceptional performance. Only excellence is good enough. This mindset defines our manufacturing standards and dictates every day operations, starting at bottom of the production working to the top.

Rigorous quality controls along the Marti value chain ensure that only flawless and top quality products leave the Marti production facilities. This philosophy has bestowed the Marti Group sustainable success over the past century. Customers around the world know that a Marti promise is a commitment to quality.



Histogram Charts - Planarity, Concentricity, Diameter & BH height

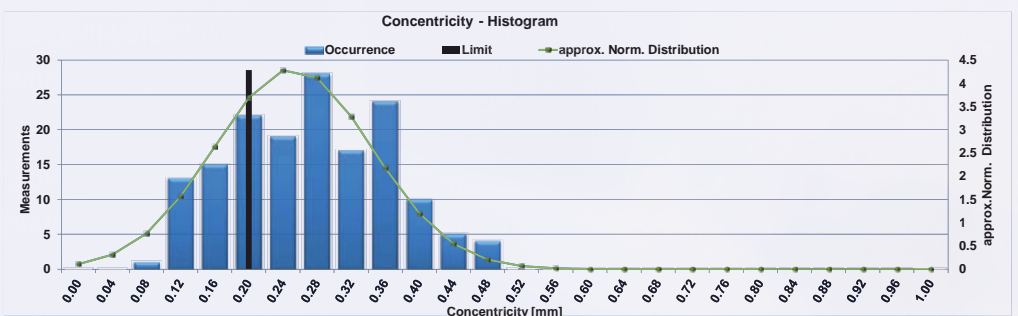
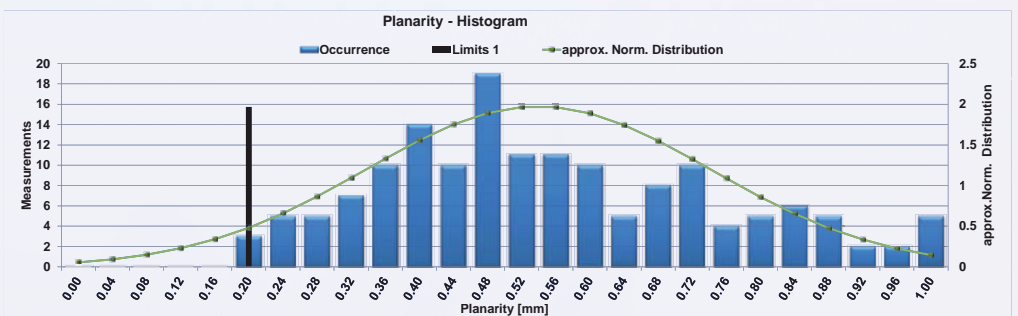
Production Date: 21-May-2014
 Basket Nr: 5
 BH-Type: D89

Planarity Analysis	
Mean:	0,63946 mm
Standard Deviat:	0,20187 mm
Limit Passed %:	1,898734177

Diameter Analysis	
Mean:	46,977836 mm
Standard Deviat:	0,020681 mm
Limit Passed %:	38,60789494

Concentricity Analysis	
Mean:	0,251777 mm
Standard Deviat:	0,092446 mm
Limit Passed %:	32,27848101

BH height Analysis	
Mean:	37,892499 mm
Standard Deviat:	0,033184 mm
Limit Passed %:	100



IDLER ROLLER

General Features

Our rollers are made to industry standards for ease of installation either with fitted idler stations from Marti or replacement of rollers in your existing installations.

We offer the following common Idler Roller types:

Plain Steel Roller: PSR-Series

plain steel idlers available in painted and galvanized finishes. They are the most popular rollers for general applications from light / medium / heavy duty conveying. Customized size is also available upon request.



Impact Roller: iMP-Series

used where heavy impact from conveyed material occurs. The rubber impact cushion is made of multiple rubber impact rings or single-piece tubular cushion.



Guide Roller: GR-Series

Guides the conveyor belt in the desired place to avoid belt running off track when conveyor runs on speed.



IDLER ROLLER FEATURES

ROLLER'S SEALING & BEARING TYPES



Sealing 1

Sealing 2

Sealing 3

Type of Sealing	Type of Bearing		
	6204	6205	6305
	for Light Duty	for Medium Duty	for Heavy Duty
Sealing 1	PSR / IMP / GR	PSR / IMP	PSR / IMP
Sealing 2	PSR / IMP	PSR / IMP	PSR / IMP
Sealing 3	PSR / IMP	PSR / IMP	PSR / IMP

GENERAL FEATURES



1 Roller Shell

2 Shaft

3 Bearing Housing

4 Bearing

5 Labyrinth Seal

6 Cover

7 End Cap

Roller Shell: Adequate shell thickness for designed support, machine-cut and smoothed at the both end for integration with bearing housing to ensure sustainability through service life.

Shaft: precisely drawn for ideal fit with the bearing to rotate smoothly. of diameter 20mm, 25mm & 30mm. Other size available upon request.

Bearing: rigid radials ball bearings to suit different applications.

Labyrinth seal - Effectively prevent ingress of contaminants therefore service life can be optimized.

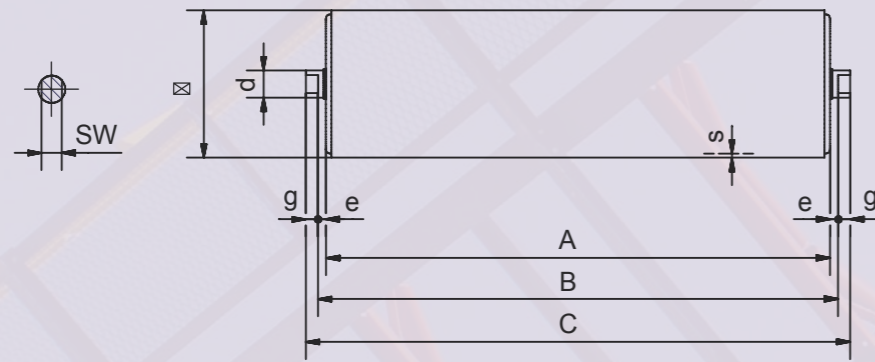
PSR1 SERIES

PSR1 SERIES

Ø 108N

Bearing 6204
(20x47x14)

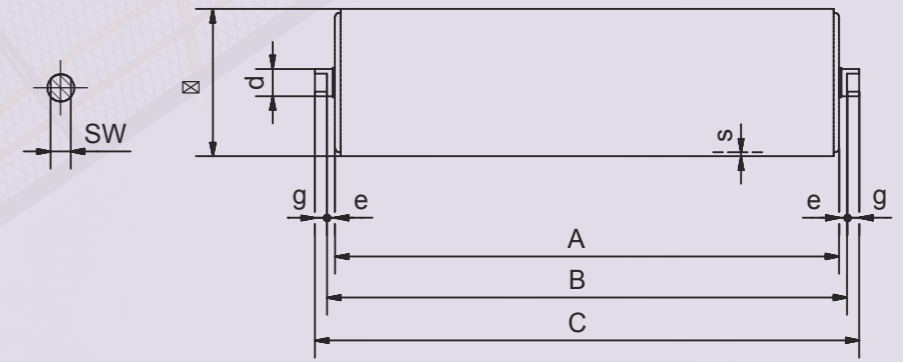
d=20
SW=15
s=3
e=6
g=9



Ø 108N

Bearing 6204
(20x47x14)

d=20
SW=15
s=3
e=6
g=9



With (mm)			Roller					Load Capacity (daN)					
			Dimensions (mm)			Mass (kg)							
Arrangements			A	B	C	Rotating	Total	Belt Speed (m/s)					
								1	1.5	2	2.5	3	3.5
		400	154	166	184	2.1	2.5	191	167	152	141	133	126
	300	500	154	166	184	2.1	2.5	191	167	152	141	133	126
	400	650	154	166	184	2.1	2.5	191	167	152	141	133	126
	500	800	154	166	184	2.1	2.5	191	167	152	141	133	126
300	650	1000	154	166	184	2.1	2.5	191	167	152	141	133	126
	800	1200	154	166	184	2.1	2.5	191	167	152	141	133	126
400			154	166	184	2.1	2.5	191	167	152	141	133	126
		1400	154	166	184	2.1	2.5	191	167	152	141	133	126
500	1000		154	166	184	2.1	2.5	191	167	152	141	133	126
	1200		154	166	184	2.1	2.5	191	167	152	141	133	126
650			154	166	184	2.1	2.5	191	167	152	141	133	126
	1400		154	166	184	2.1	2.5	191	167	152	141	133	126
800			154	166	184	2.1	2.5	191	167	152	141	133	126
1000			154	166	184	2.1	2.5	191	167	152	141	133	126
1200			154	166	184	2.1	2.5	191	167	152	141	133	126
1400			1594	1606	1624	15.1	19.2	191	167	152	141	133	126

With (mm)			Roller					Load Capacity (daN)					
			Dimensions (mm)			Mass (kg)							
Arrangements			A	B	C	Rotating	Total	Belt Speed (m/s)					
								1	1.5	2	2.5	3	3.5
		400	154	166	184	2.1	2.5	191	167	152	141	133	126
	300	500	154	166	184	2.1	2.5	191	167	152	141	133	126
	400	650	154	166	184	2.1	2.5	191	167	152	141	133	126
	500	800	154	166	184	2.1	2.5	191	167	152	141	133	126
300	650	1000	154	166	184	2.1	2.5	191	167	152	141	133	126
	800	1200	154	166	184	2.1	2.5	191	167	152	141	133	126
400			154	166	184	2.1	2.5	191	167	152	141	133	126
		1400	154	166	184	2.1	2.5	191	167	152	141	133	126
500	1000		154	166	184	2.1	2.5	191	167	152	141	133	126
	1200		154	166	184	2.1	2.5	191	167	152	141	133	126
650			154	166	184	2.1	2.5	191	167	152	141	133	126
	1400		154	166	184	2.1	2.5	191	167	152	141	133	126
800			154	166	184	2.1	2.5	191	167	152	141	133	126
1000			154	166	184	2.1	2.5	191	167	152	141	133	126
1200			154	166	184	2.1	2.5	191	167	152	141	133	126
1400			1594	1606	1624	15.1	19.2	191	167	152	141	133	126

IDLER STATION



General Features

Based on our proven success in conveying technology and extensive experience in constructions in different geographic and climatic locations, our idler station are designed and manufactured to work with the idler and the belt harmoniously with sufficient support to the rollers and the load to be conveyed.

We offer the following types of idler stations:



EC: Type E Carrying Station

Type E Carrying Station, mostly for roof-suspended installation inside a tunnel.



ER: Type E Return Station

Type E Return Station, for roof-suspended installation inside a tunnel or overland for belt return.



GC: Type G Carrying Station

Type G Carrying Station, for overland installation.



CS: Curve Carrying Station

Curve Carrying Station is necessary for upper troughing set installed to accommodate the curve occurs inside a tunnel to maintain the desired conveying result.



CRS: Curve Return Station

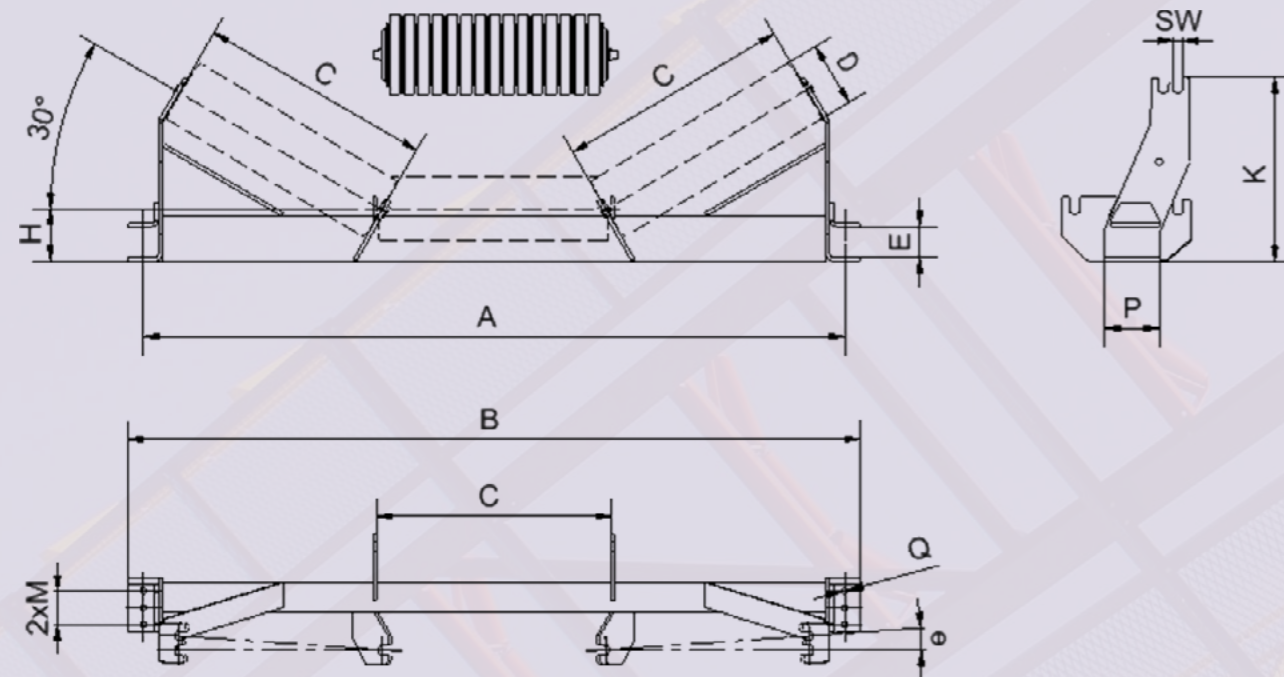
Curve Return Station.

EC30-3 CARRYING STATION 30 DEGREE

PSR1 SERIES

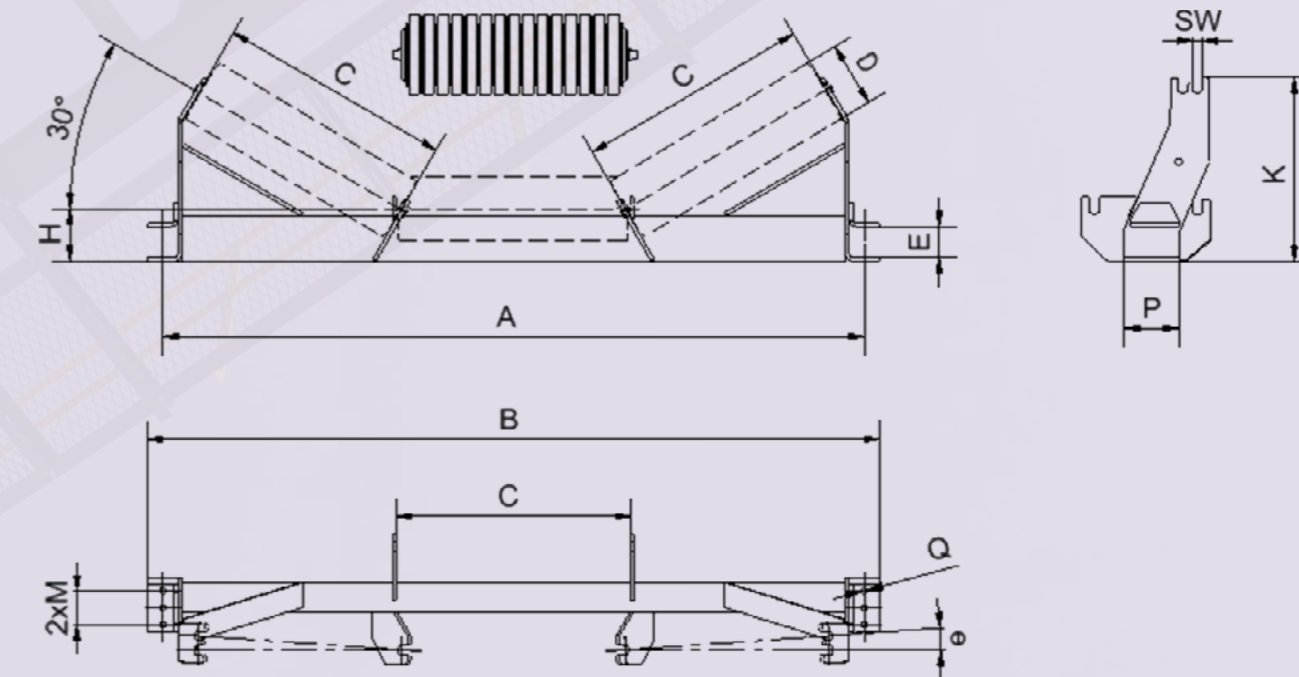
Idler Station Assembly

For light upper troughing set with 3 rollers, plain steel or with impact rings
 For roller series (D/Shaft/SW) : Ø108/20/15 Ø89/20/15



Idler Station Assembly

For light upper troughing set with 3 rollers, plain steel or with impact rings
 For roller series (D/Shaft/SW) : Ø108/20/15 Ø89/20/15



With (mm)			Roller					Load Capacity (daN)					
			Dimensions (mm)			Mass (kg)							
Arrangements			A	B	C	Rotating	Total	Belt Speed (m/s)					
								1	1.5	2	2.5	3	3.5
		400	154	166	184	2.1	2.5	191	167	152	141	133	126
	300	500	154	166	184	2.1	2.5	191	167	152	141	133	126
	400	650	154	166	184	2.1	2.5	191	167	152	141	133	126
	500	800	154	166	184	2.1	2.5	191	167	152	141	133	126
300	650	1000	154	166	184	2.1	2.5	191	167	152	141	133	126
	800	1200	154	166	184	2.1	2.5	191	167	152	141	133	126

With (mm)			Roller					Load Capacity (daN)					
			Dimensions (mm)			Mass (kg)							
Arrangements			A	B	C	Rotating	Total	Belt Speed (m/s)					
								1	1.5	2	2.5	3	3.5
		400	154	166	184	2.1	2.5	191	167	152	141	133	126
	300	500	154	166	184	2.1	2.5	191	167	152	141	133	126
	400	650	154	166	184	2.1	2.5	191	167	152	141	133	126
	500	800	154	166	184	2.1	2.5	191	167	152	141	133	126
300	650	1000	154	166	184	2.1	2.5	191	167	152	141	133	126
	800	1200	154	166	184	2.1	2.5	191	167	152	141	133	126