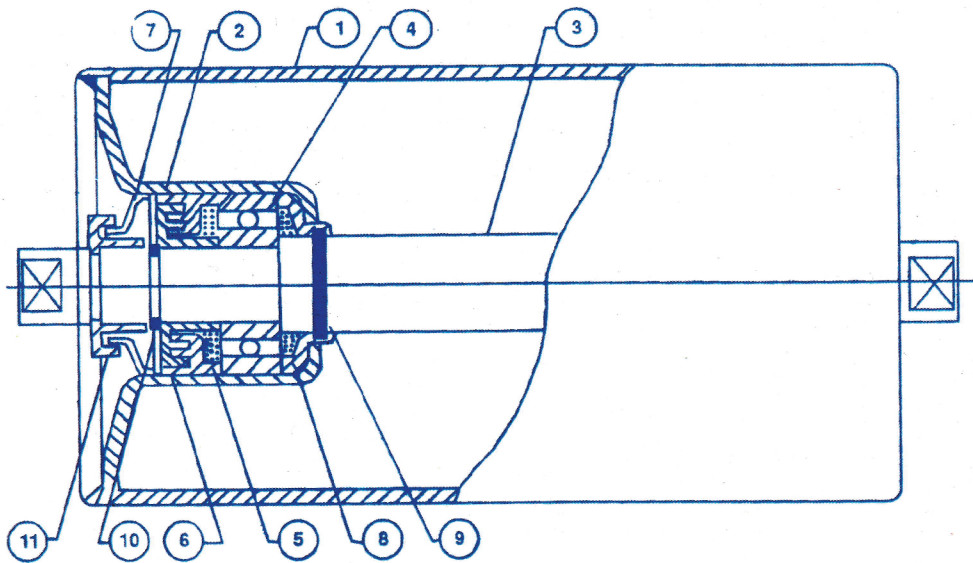




Our Products Are Best In Quality

 **94949 32888**



1. TUBE
2. BRG HOUSING
3. SPINDLE
4. BEARING
5. LABYRINTH SEAL
6. BRG RETAINER
7. DUST COVER
8. BACK SEAL
9. FELT SEAL
10. CIRCLIP
11. RAIN CAP

ABOUT OURSELVES

SB ENTERPRISES is one of the leading designers and manufacturers of various types of bulk and package handling conveyor systems and their components like idlers, drum pulleys etc.

SB ENTERPRISES has designed and manufactured idlers in different troughing angles for various usages for a wide range of conveyors. The range includes fixed carrying type, return type and garland type for belt width up to 2000mm.

SB ENTERPRISES conveyor idlers and drum pulleys ensure quality and performance standards as per latest I.S.S.

SB ENTERPRISES produces idlers and drum pulleys with the latest design and robust construction to ensure efficient material handling for industries. The idlers and drum pulleys are available in different ranges having employed modern state-of-art technology to fulfill the expectation of esteemed clients. They bear testimony of strength, quality, class through proven trails.

More so, the latest design of **SB ENTERPRISES** conveyor idlers and drum pulleys ensure smooth, frictionless movement of the conveyors to withstand trying conditions. They minimize undue maintenance cost

One source of product

One source for service

One source to assume entire responsibility for your installations that is

SB ENTERPRISES.

MAIN FEATURES OF IDLERS/ROLLERS

SHELL: The shells are made from special ERW/SEAM-LESS tube with close tolerance ensuring smooth, shock-free and eccentricity free running with minimum diameter runout, smallest rotating weight of rollers requires low horsepower, thereby conserving power and energy due to lowest possible dynamic friction.

BEARING HOUSING: The bearing housings are made of deep drawing quality of CRCA sheets pressed very high degree of accuracy. Keeping tolerance at bearing seating region as specified by the bearing manufacturers. The housing are welded into the tubes to form monoblock simultaneously from both sides on rotating centers to ensure absolute concentricity.

BEARING: Rollers are fitted with precision ball/taper roller bearing with c3 clearance as per international standards.

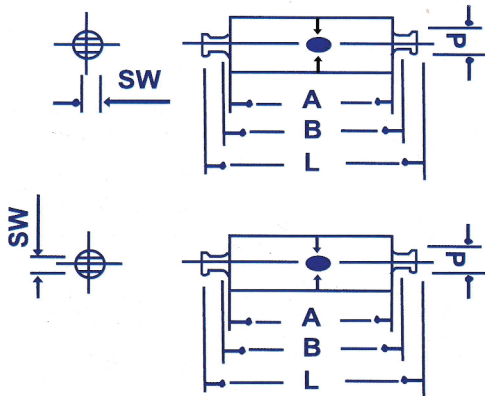
SHAFT: Made from carbon steel EN-8/C-40 round bar. The round bars are cut, turned with perfect tolerance and ground bearing seatings to ensure perfect fit between bearings and shafts.

LABRINTH SEALS: Time tested and universally accepted multistage sealing arrangements made of Nylon 6/6 are provided on both sides of the bearing with dust covers and waterproof rain cap. All the components are assembled with high quality grease packing ensuring effective sealing of bearings from ingress of dust and moisture, giving trouble free long life.

LUBRICATION: All bearings, Labrinth and grease chambers are permanently lubricated.

TESTING: All the rollers are thoroughly for free rotation, measurement of friction factors, dust and waterproof

SB ENTERPRISES BELT CONVEYOR IDLERS



SERIES - C. R. - 204

STANDARD - IS : 8598/4776

TUBE DIA & THICKNESS AS PER IS : 9295

			L	M.	H.	E.H.
1)	88.9 dia	-	3.25	4.05	4.85	-
2)	114.3 dia	-	3.65	4.5	5.4	6.3
3)	139.7 dia	-	4.5	4.85	5.4	6.3
4)	165.1 dia	-	4.5	4.85	5.4	6.3
		d	=	20 mm.		
		sw	=	14 mm.		

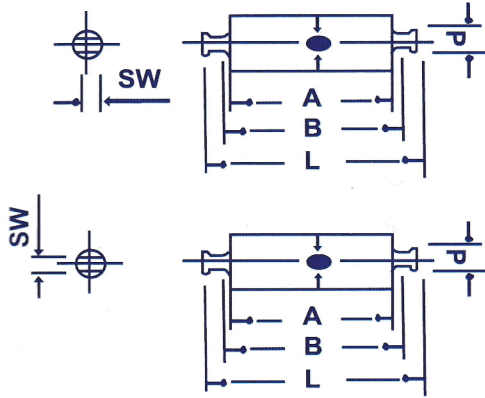
All dimension are in mm.

SERIES : CR : 6204/420204

Belt Width	Roller Dia.	Flat Top / Return Idler					2 Roll Top Idler					3 Roll Top Idler				
		Dimension in mm.			Wt. in kg		Dimension in mm.			Wt. in kg		Dimension in mm.			Wt. in kg	
		A	B	L	Rotating Parts	Total	A	B	L	Rotating Parts	Total	A	B	L	Rotating Parts	Total
400	88.9	500	508	536	5.6	7.1	250	258	276	3.5	4.2	160	168	186	2.6	3.2
	114.3				7.6	9.0				4.5	5.3				3.5	3.9
450	88.9	550	558	586	6.0	7.7	290	296	316	3.8	4.7	180	188	206	2.9	3.4
	114.3				8.1	9.8				5.0	5.9				3.7	4.2
500	88.9	600	608	36	6.4	8.3	315	323	341	4.0	5.0	200	208	226	3.0	3.6
	114.3				8.8	10.6				5.3	6.3				3.9	4.5
*600	88.9	700	708	736	7.3	9.4	350	358	376	4.3	5.3	235	243	261	3.3	4.0
	114.3				10.0	12.0				5.7	6.8				4.3	5.0
650	88.9	750	758	786	7.7	10.0	380	388	406	4.6	5.7	250	258	276	3.4	4.2
	114.3				10.6	12.9				6.1	7.3				4.5	5.3
*750	114.3	850	858	886	11.8	14.3	415	423	441	6.5	7.8	290	298	316	5.0	5.9
	139.7				14.4	17.0				8.5	9.7				6.4	7.5
800	114.3	950	958	998	13.0	16.6	465	473	491	7.1	8.9	315	323	341	5.3	6.5
	139.7				15.9	19.5				9.3	11.0				6.8	8.0
	165.1				20.3	23.9				11.0	12.7				8.0	9.2
*900	114.3	1050	1058	1098	14.2	18.2	530	538	556	7.9	9.9	350	358	376	5.7	7.0
	139.7				17.4	21.4				10.3	12.3				7.4	8.7
	165.1				22.2	26.2				12.2	14.2				8.8	10.0
1000	114.3	1150	1158	1198	15.4	19.8	600	608	626	8.8	11.0	380	388	406	6.1	7.5
	139.7				18.9	23.3				11.5	13.7				7.9	9.3
	165.1				24.1	28.5				13.5	16.8				9.3	10.7

1. Belt Width not covered under IS.
2. Rollers with 76.2 mm., 101.6 mm., 127 mm. & 152.4 mm. Dia can be made as per Customers Specific requirement.
3. Impact Idlers will have Rubber Rings (Shore Hardness 65' + 5') press fitted on the 88.9/114.3 dia tube and locked at both ends.
4. Weight of Roller based on medium duty tube.

SB ENTERPRISES BELT CONVEYOR IDLERS



SERIES - C. R. - 205

STANDARD - IS : 8598/4776

TUBE DIA & THICKNESS AS PER IS : 9295

			L	M	H.	E.H.
1)	88.9	dia	-	3.25	4.05	4.85
2)	114.3	dia	-	3.65	4.5	5.4
3)	139.7	dia	-	4.5	4.85	5.4
4)	165.1	dia	-	4.5	4.85	5.4

d = 25 mm.

sw = 19 mm.

All dimension are in mm

SERIES : CR : 6204/420204

Belt Width mm BW	Roller Dia. mm. D.	Flat Top/Return Idler					2 Roll Top Idler					3 Roll Top Idler				
		Dimension in mm.			Wt. in Kg.		Dimension in mm.			Wt. in Kg.		Dimension in mm.			Wt. in Kg.	
		A	B	L	Rotating Parts	Total	A	B	L	Rotating Parts	Total	A	B	L	Rotating Parts	Total
600	88.9	70	708	742	7.4	10.8	350	358	382	4.4	6.1	235	243	267	3.4	4.8
	114.3				10.1	13.6				5.9	7.6				4.5	5.6
650	88.9	750	758	792	7.9	11.5	380	388	412	4.7	8.5	250	258	282	3.6	4.8
	114.3				10.7	14.4				6.2	8.1				4.7	5.9
*750	114.3	850	858	892	12.0	16.1	415	423	447	6.7	8.7	280	288	312	5.0	6.4
	139.7				15.6	19.9				8.6	10.6				6.4	7.8
800	114.3	950	958	992	13.1	17.8	465	473	497	7.3	9.5	315	323	347	5.5	7.0
	139.7				17.3	21.9				9.4	11.7				7.0	8.5
	165.1				20.4	25.0				11.0	13.4				8.2	9.8
*900	114.3	1050	1058	1092	14.4	19.5	530	538	562	8.0	10.6	350	358	382	5.9	7.6
	139.7				18.9	24.0				10.5	13.0				7.6	9.3
	165.1				22.3	27.5				12.3	15.0				8.9	10.6
1000	114.3	1150	1158	1192	15.6	21.2	600	608	632	8.9	11.8	380	388	412	6.2	8.1
	139.7				20.5	26.1				11.6	14.5				8.0	10.0
	165.1				24.2	29.9				13.7	16.6				9.5	11.3
1200	114.3	1400	1408	1442	18.6	25.4	700	708	732	10.1	13.5	465	473	497	7.3	9.5
	139.7				24.6	31.4				13.2	16.6				9.4	11.7
	165.1				29.0	35.9				15.6	19.0				11.1	13.4
1400	114.3	1600	1608	1642	21.0	28.8	800	808	832	11.3	15.2	530	538	562	8.0	10.6
	139.7				27.8	35.6				14.8	18.7				10.5	13.0
	165.1				32.9	40.7				17.5	21.4				12.3	14.9
*1500	114.3	1700	1708	1742	22.2	30.5	850	858	882	11.9	16.0	565	573	597	8.5	11.3
	139.7				29.4	37.7				15.6	19.8				11.0	13.9
	165.1				34.8	43.0				18.5	22.6				13.0	15.8

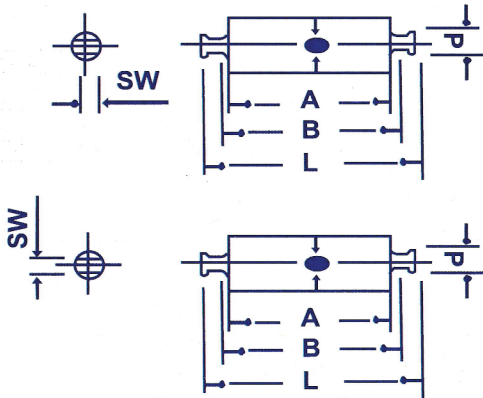
1. Belt Width not covered under IS.

2. Rollers with 76.2 mm., 101.6 mm., 127 mm. & 152.4 mm. Dia can be made as per Customers Specific requirement.

3. Impact Idlers will have Rubber Rings (Shore Hardness 65 + 5) press fitted on the 88.9/114.3 dia tube and locked at both ends.

4. Weight of Roller based on medium duty tube.

SB ENTERPRISES BELT CONVEYOR IDLERS



SERIES - C. R. - 206

STANDARD - IS : 8598/4776

TUBE DIA & THICKNESS AS PER IS : 9295

		L	M.	H.	E.H.
1)	114.3 dia	-	3.65	4.5	5.4
2)	139.7 dia	-	4.5	4.85	5.4
3)	165.1 dia	-	4.5	4.85	5.4

$$\begin{aligned} d &= 30\text{mm.} \\ sw &= 22\text{mm.} \end{aligned}$$

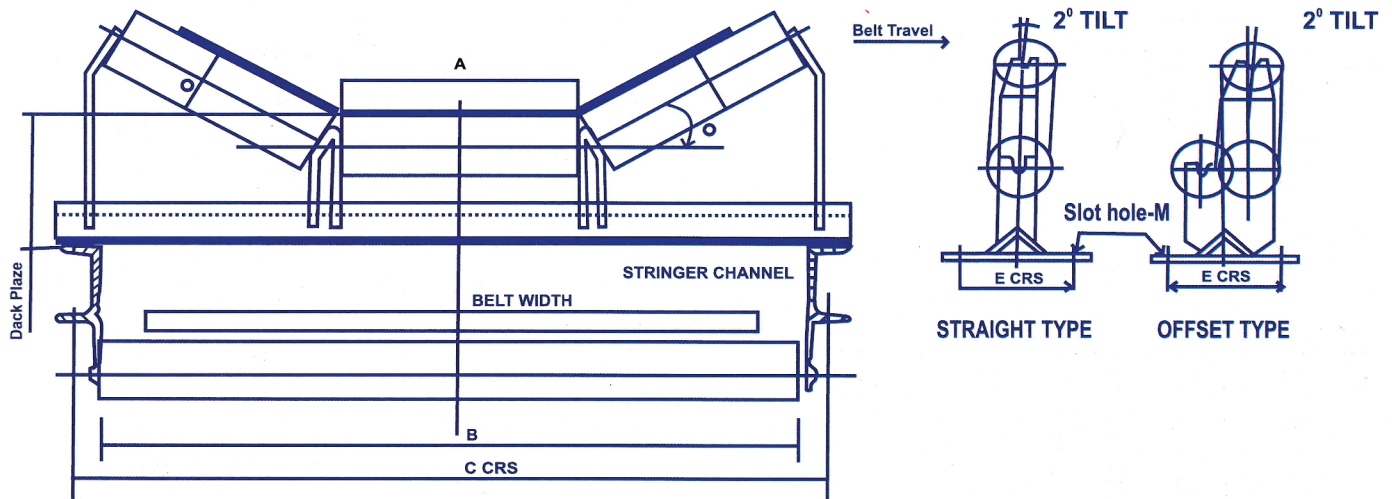
All dimension are in mm.

SERIES : CR : 6206/420206

Belt Width	Roller Dia.	Flat Top / Return Idler					2 Roll Top Idler					3 Roll Top Idler				
		Dimension in mm.			Wt. in kg		Dimension in mm.			Wt. in kg		Dimension in mm.			Wt. in kg	
		A	B	L	Rotating Parts	Total	A	B	L	Rotating Parts	Total	A	B	L	Rotating Parts	Total
800	114.3	950	958	992	13.3	20.8	465	473	497	7.4	11.0	315	323	347	5.6	8.0
	139.7				17.4	25.0				9.6	13.2				7.1	9.6
	165.1				20.6	28.0				11.2	14.9				8.4	10.8
*900	114.3	1050	1058	1092	14.5	22.8	530	538	562	8.2	12.4	350	358	382	6.0	8.8
	139.7				19.0	27.4				10.6	14.8				7.7	10.4
	165.1				22.4	30.8				12.5	16.7				9.0	11.8
1000	114.3	1150	1158	1192	15.7	24.9	600	600	632	9.0	13.8	380	388	412	6.4	9.4
	139.7				20.7	29.9				11.8	16.5				8.2	11.2
	165.1				24.4	33.6				13.8	18.6				9.6	12.6
1200	114.3	1400	1408	1442	18.7	29.9	700	708	732	10.3	15.8	465	473	497	7.4	11.0
	139.7				24.7	35.9				13.4	18.9				9.6	13.2
	165.1				29.2	40.4				15.8	21.3				11.2	14.9
1400	114.3	1600	1608	1642	21.1	33.9	800	808	832	11.5	17.8	530	538	562	8.2	12.4
	139.7				28.0	40.7				15.0	21.3				10.6	14.8
	165.1				33.0	45.8				17.7	24.0				12.5	16.7
1500	114.3	1700	1708	1742	22.4	35.9	850	858	882	12.0	18.8	565	573	597	8.6	13.0
	139.7				29.6	43.1				15.8	22.5				11.2	15.6
	165.1				35.0	46.5				18.6	25.4				13.2	17.6
1600	114.3	1800	1808	1842	23.6	37.9	900	908	982	12.7	19.8	600	608	632	9.0	13.8
	139.7				31.2	45.6				16.6	23.7				11.8	16.5
	165.1				36.9	51.2				19.6	26.7				13.8	18.6
1800	114.3	2000	2008	2042	26.0	42.0	1000	1008	1032	13.6	21.8	670	678	702	9.9	15.2
	139.7				34.4	50.4				18.2	26.1				12.9	18.2
	165.1				40.7	56.7				21.5	29.4				15.2	20.5
2000	114.3	2200	2208	2242	28.4	48.0	1100	1108	1132	15.1	23.6	750	758	782	10.9	16.8
	139.7				37.7	55.2				19.9	28.3				14.2	20.1
	165.1				41.3	58.8				23.4	31.9				16.7	22.6

- Belt Width not covered under IS.
- Rollers with 76.2 mm., 101.6 mm., 127 mm. & 152.4 mm. Dia can be made as per Customers Specific requirement.
- Impact Idlers will have Rubber Rings (Shore Hardness 65 + 5) press fitted on the 88.9/114.3 dia tube and locked at both ends.
- Weight of Roller based on medium duty tube.

SB ENTERPRISES BELT CONVEYOR IDLERS

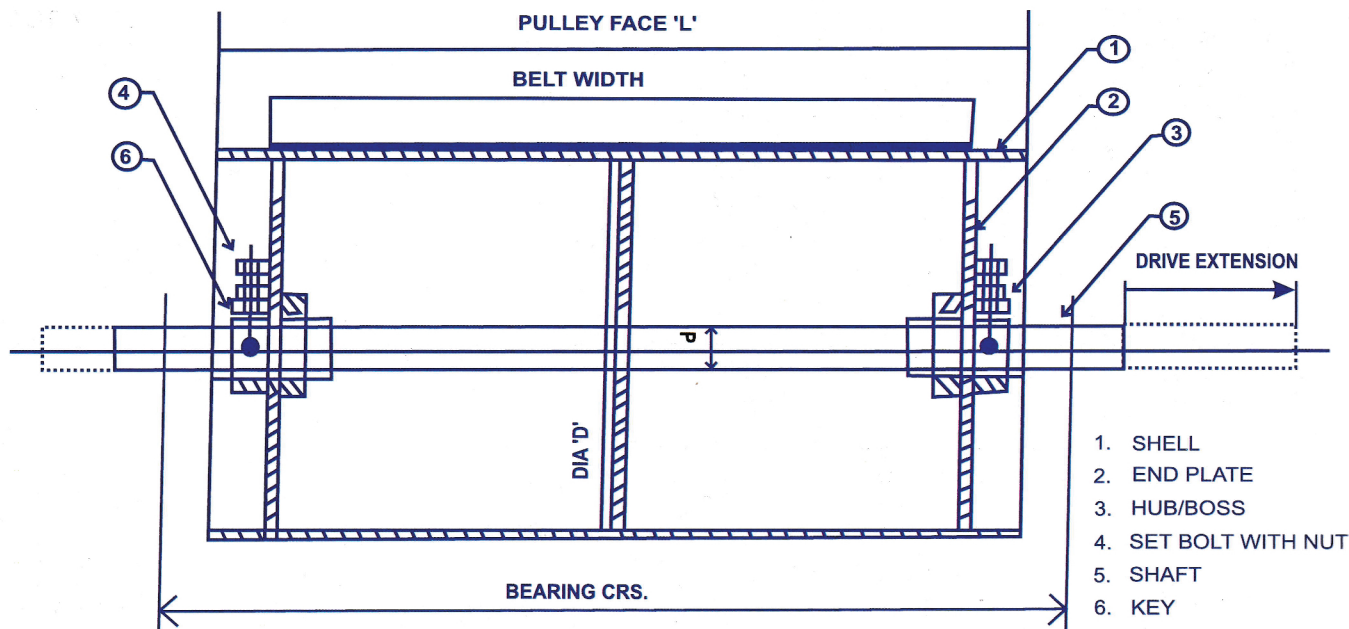


20°,30°,35° Truthing Idler Set (Plain & Impact Type with Stringer & Return Idler)

Dimension in mm.					F				M (Slot Size)
Belt Width	A	B	C	E	Upto 88.9 D	Upto 114.3 D	Upto 139.7 D	Upto 165.1 D & above	
400	160	500	640	165/200	200	225	---	---	14 x 25
* 450	180	550	690	165/200	200	225	---	---	14 x 25
500	200	600	740	165/200	200	225	---	---	14 x 25
* 600	235	700	840	165/200	200	225	---	---	14 x 25
650	250	750	890	200	200	225	---	---	18 x 30
* 750	290	850	990	200	---	225	275	---	18 x 30
800	315	950	1040	200	---	225	275	290	18 x 30
* 900	350	1050	1140	200	---	225	275	290	18 x 30
1000	380	1150	1240	200	---	225	275	290	18 x 30
1200	465	1400	1450	200	---	240	275	290	18 x 30
1400	530	1600	1650	200	---	240	275	290	18 x 30
* 1500	565	1700	1775	200	---	240	275	290	22 x 40
1600	600	1800	1900	200	---	240	275	290	22 x 40
1800	670	2000	2100	200	---	240	275	290	22 x 40
2000	750	2200	2300	200	---	240	275	290	22 x 40

Belt Width not covered under IS
 All dimensions are in mm.

SB ENTERPRISES BELT CONVEYOR IDLERS



SB ENTERPRISES Standard Conveyor Pulleys are fabricated from steel shells/plates with welded end plates and bosses keyed/fitted direct/through Taper sleeve on the shaft.

Shell thickness before machining from 8 to 20 mm

The distance over bosses can be made to suit any requirement, however, we recommend that this be as wide as possible to keep the dimension between the boss and bearings to a minimum to reduce shaft flexing.

The Diameters of pulleys selected for a given application depend on the Specification of Belt, which in turn depend on the power to be transmitted. We suggest to use adequate diameter of Drum based on above factors and as recommended by Belt manufacturers.

Drive/Tail/Take-up pulleys have machined crowned faces to train and reduce wear on Belt. Other pulleys are with straight face.

Plain or grooved rubber lagging can be furnished when additional friction is required between belt and pulley or if the application calls for the same such as handling wet/abrasive materials etc.

All pulleys are concentric and statically balanced and conform to IS 8531.

Belt Width B.W. mm	Standard Dia 'D' mm	Face mm 'L' mm	Shaft Dia 'd' mm
400	- 217, 271, 321, 353, 400, 454, 500, 600 800, 1000, 1250, 1400 and 1600 mm.	500	Available from 45mm to 200 mm.
*450		550	
500		600	
*600		700	
650		750	
*750		850	
800		950	
*900		1050	
1000		1150	
1200		1400	
1400		1600	
*1500		1700	
1600		1800	
1800		2000	
2000		2200	

* Belt Width not covered under IS S



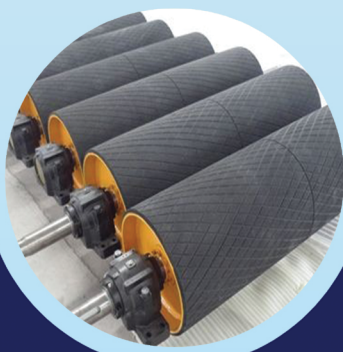
- Manufacturer of Conveyor Accessories
- Manufacturer of Gizzly Feeders, Vibrator Screens and Wire Mesh
- Dealer for IBH Brand V Pulleys, Pin Bush, Tyre Couplings and Their accessories
- Manufacture of Local gear box and Their accessories
- Deals in SKF, FAG, NTN, ZKL, URB and other brand Bearings and their accessories
- House of All Jaw and Cone Crusher Spares



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