



CARRYING IDLER



IMPACT IDLER



DRUM PULLY



PVC COATED
ROLLER



UHM WPE
ROLLER



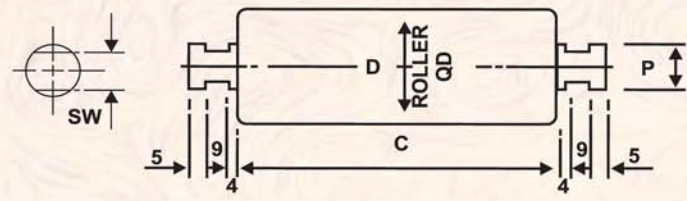
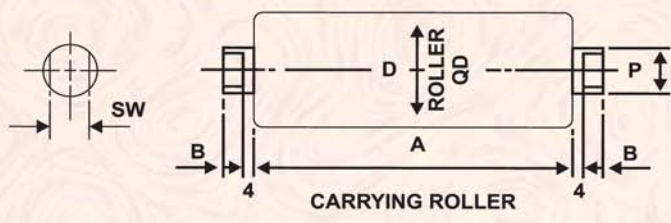
CONVEYOR



STACKER

ASHAPURA BELCON ENGINEERS

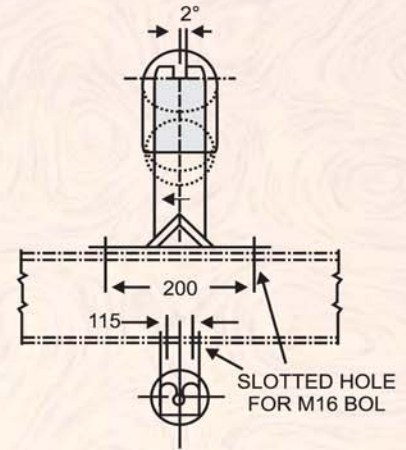
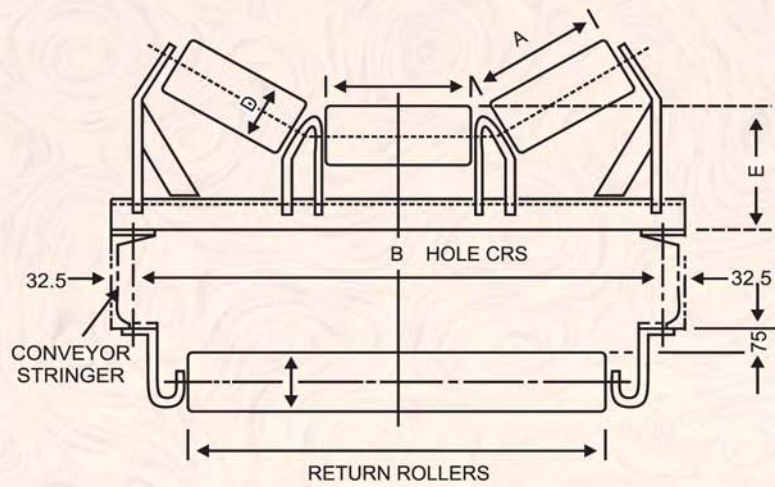
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BALL BEARING	SW	B	D
6204	14	9	20
6205	18	12	25
6206	22	12	30

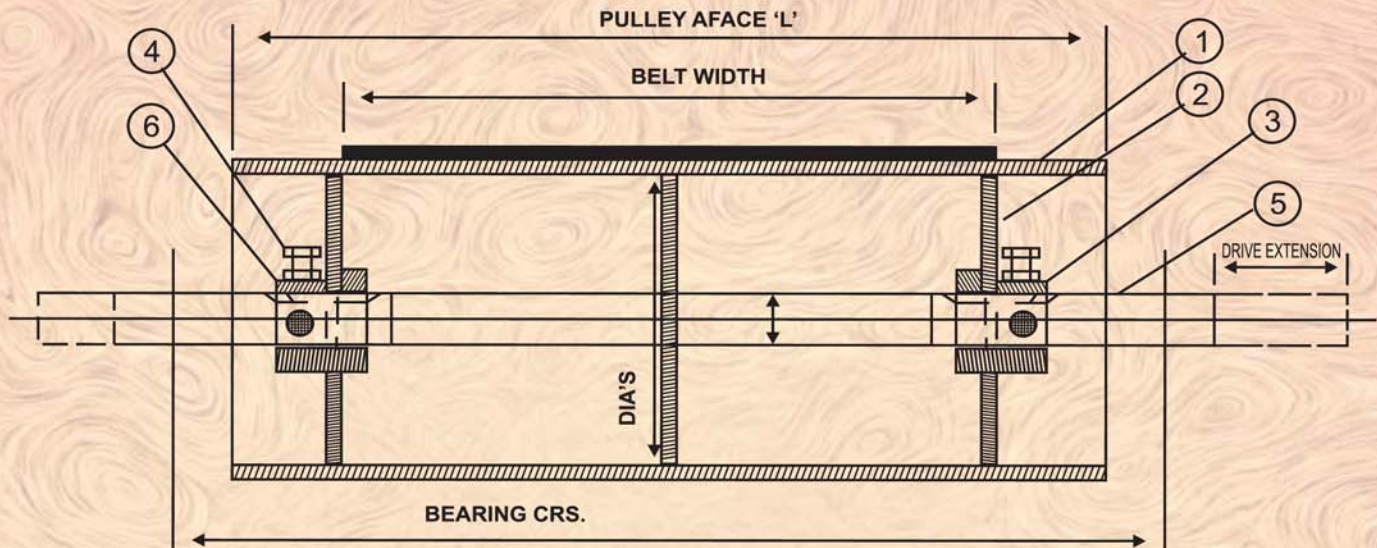
TURBO O. D.	
88.9	4.05
114.3	4.50
139.7	4.85
125.4	4.85
159.0	4.85

Belt Width (MM)	ROLLER DIA. (MM)	Approx Weight in Kg. per Roller																	
		6204								6205									
B.W.	D	C	Rotating Parts		Total		Rotating Parts		Total		A	Rotating Parts		Total		Rotating Parts		Total	
400	88.9	500	5	7	5	8					160	2	3	3	3	-	-	-	-
	114.3		7	9	7	10					3	4	4	4	-	-	-	-	
	139.7		9	11	9	12					4	5	5	5	-	-	-	-	
450	88.9	550	6	7	7	8	-	-			190	3	3	3	4	-	-	-	-
	114.3		8	9	9	11	-	-			3	4	4	5	-	-	-	-	
	139.7		10	11	11	13	-	-			4	5	5	6	-	-	-	-	
500	88.9	600	8	8	8	9	-	-			200	3	3	3	4	-	-	-	-
	114.3		10	10	10	11	-	-			4	4	4	5	-	-	-	-	
	139.7		13	13	13	14	-	-			5	5	5	6	-	-	-	-	
600	88.9	700	7	9	9	10	8	12			235	3	4	4	4	4	4	6	6
	114.3		10	12	12	13	10	15			4	5	5	5	5	5	7	7	
	139.7		13	15	15	16	13	18			5	6	6	6	6	6	6	6	
650	88.9	750	7	10	10	11	8	13			250	3	4	3	4	4	4	6	6
	114.3		10	13	13	14	11	16			4	5	4	5	5	5	7	7	
	139.7		13	16	16	17	14	19			5	6	5	6	6	6	8	8	
750	88.9	850	11	11	11	12	9	15			290	3	4	4	5	4	4	6	6
	114.3		14	14	14	15	12	18			5	6	5	6	5	5	8	8	
	139.7		18	18	18	19	16	22			6	7	6	8	7	7	9	9	
800	114.3	950	16	16	16	17	13	13			315	5	6	5	7	6	6	8	8
	139.7		20	20	20	21	17	17			6	8	7	8	7	7	10	10	
	152.4		21	21	21	23	19	19			7	8	7	9	8	8	10	10	
900	114.3	1050	17	17	17	19	15	22			350	5	7	5	7	6	6	9	9
	139.7		22	22	22	23	19	26			7	8	7	9	8	8	10	10	
	152.4		23	23	23	25	21	28			8	9	8	9	9	9	11	11	
1000	114.3	1150	15	19	19	20	16	24			380	6	7	6	8	6	6	9	9
	139.7		20	24	24	25	21	28			7	9	8	9	8	8	11	11	
	152.4		22	25	25	27	23	30			8	9	8	10	9	9	12	12	
1050	114.3	1200	16	20	20	21	16	25			400	6	7	6	8	7	7	10	10
	139.7		21	24	24	26	22	30			8	9	8	10	9	9	12	12	
	152.4		23	26	26	28	24	32			9	10	9	11	10	10	12	12	
1200	114.3	1400	18	23	23	24	19	28			465	8	8	7	9	8	8	11	11
	139.7		24	28	28	30	25	34			9	10	9	11	10	10	13	13	
	152.4		26	31	31	32	27	36			10	11	10	12	11	11	14	14	
1400	114.3	1600	21	26	26	28	21	32			530	8	9	8	10	8	8	12	12
	139.7		27	32	32	34	28	39			10	12	10	12	11	11	14	14	
	152.4		30	35	35	37	31	41			11	13	11	13	12	12	15	15	
159.0	31	36	36	38	32	43			11	13	11	14	12	12	16	16			



Belt Width (mm)	A Carrying Roller LENGTH	B Hole Crs.	C Return Roller LENGTH	D Roller Dia.	E		
					6204	6205	6206
400	160	640	500	88.9	118	188	—
				114.3	200	200	
				139.7	243	243	--
450	190	690	550	88.9	118	188	—
				114.3	200	200	--
				139.7	243	243	--
500	200	740	630	88.9	118	188	—
				114.3	200	200	--
				139.7	243	243	--
600	235	840	700	88.9	118	188	188
				114.3	200	200	200
				139.7	243	243	243
650	250	890	750	88.9	118	188	188
				114.3	200	200	200
				139.7	243	243	243
750	290	990	850	88.9	118	188	195
				114.3	200	200	207
				139.7	243	243	250
800	315	1040	950	114.3	200	207	207
				139.7	243	250	250
				152.4	249	256	256
900	350	1140	1050	114.3	200	207	210
				139.7	243	250	253
				152.4	249	256	259
1000	380	1240	1150	114.3	200	207	217
				139.7	243	250	260
				152.4	249	256	266
1050	400	1290	1200	114.3	200	207	217
				139.7	243	250	260
				152.4	249	256	266
1200	465	1450	1400	114.3	200	207	225
				139.7	243	250	268
				152.4	249	256	274
1400	530	1650	1600	114.3	200	207	225
				139.7	243	250	268
				152.4	249	256	274
				159	253	260	278

ASHAPURA BELCON BELT CONVEYOR DRUMS | PULLEYS



ABE Standard Conveyor Pulleys Are Fabricated From Steel Shells / Plates With Welded End Plates And Bosses Keyed / Fitted Directed/ Through Tapper 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 Minimum To Reduce Shaft Flexing.

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Plain Or Grooved Rubber Lagging Can Be Furnished When Additional Friction Is Required Between Belt And Pully Or If The Application Calls For The Same Such As Handling Wet / Abrasive Materials Etc.

All Pulleys Are Concentric And Statically Balanced And Confirm To Is:8531

- 1. SHELL**
- 2. END PLATE**
- 3. HUB/BOSS**
- 4. SET BOLT WITH NUT.**
- 5. SHAFT**
- 6. KEY.**

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, 630 800, 1000, 1250, 1400 and 1600 mm.	500	-Advalible from 45 mm. 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.

IDLER ROLLER FOR BELT CONVEYER



Throughing idlers, generally used for conveying bulk materials, are available with side rollers inclined at 20° and 30°. Idlers with 45° or other troughing angles can also be supplied in special cases.



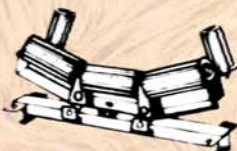
Flat belt impact idlers protect the belt by absorbing impacts at transfer points.



Troughed belt rubber cushion idlers which are also known as impact idlers protect the belt by absorbing impact at loading point. They include 20° and 30° through. However, idlers with 45° or other troughing angles can also be supplied.



Flat belt training idlers automatically train the belt and protect the belt edges from damage caused by misalignment. Available in the positive action type for belt operating in one direction.



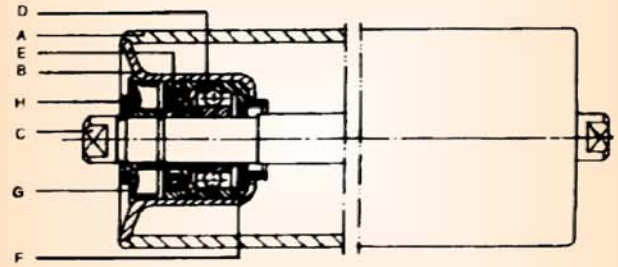
Trough belt training idlers, also popularly known as self-aligning troughing idlers, automatically train the belt and protect belt edges from damage caused by misalignment. The standard types are available with 20° and 30° troughing.



Return belt idlers are used for supporting the return run of the belt. The standard type includes single roller with end-brackets. However, inclined two-roller type is also available for specific application.



Return belt rubber tread idlers are used when wet or sticky materials tend to cling to the belt where corrosion resistance is required or where chemical action to iron or steel is involved.



A. ROLLER BODY

The shell is made of precision smooth surface "ERW" steel tube as per IS : 9295

B. ROLLER ENDS :

Bearing Housing made of pressed steel sheet with calibrated bearing seat, are welded with periphery of the steel tube, for maximum strength.

C. SPINDLE :

Spindles are made from M.S. bright bars and are precision ground at bearing and seal seating area.

D. BEARING :

Precision single-row deep groove ball bearings with 03 clearance are provided. Distance between bearings and point of support at the shaft is very short and thus ensure higher load carrying and longer service life.

E. SEALING :

The double multi labyrinth seal ensure optimum protection against the entry of dust and dirt in to the bearings.

F. INNER SEAL G. DUST COVER H. RAIN CAP

LUBRICATION :

Hi-lithium base grease is filled in measured quantities in bearing and seals, and rollers are sealed for life.

ADJUSTABILITY :

Idler rollers are manufactured as per IS 8598 for Belt width as per IS 4776 as well as to suit existing conveyor frame by providing adapter.

Range for Conveyor Belting

Standard Belt Width (mm) :

300, 400, 500, 600, 650, 750, 800, 900, 1000, 1200, 1400, 1500, 1600, 1800 and 2000.

The Belt In Width not listed Can Be manufactured as per the Customer's requirement.

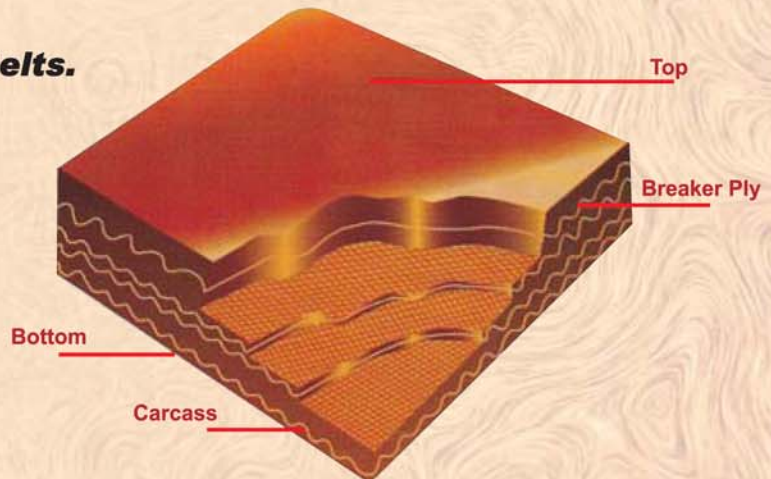
Belt Edges: Belt edges can be given in both cut edge and sealed edges.

Carcass:

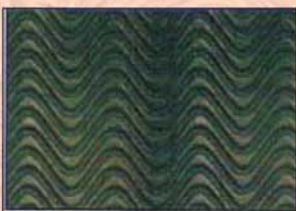
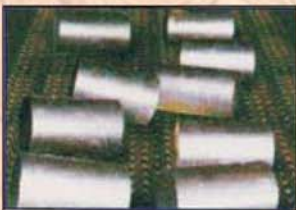
- A. Synthetic carcass : the carcass consists of nylon-nylon (nn) and polyester (ep) Construction and are available with ratings starting from 200/2-315/3 upto 2000/6. For further information on complete range and grades, refer to the technical belt Selection chart.
- B. Cotton-cotton carcass : the cotton carcass belts offered are available in 28, 32, 34, 36, 42, & 48 oz from 2 to 10-ply construction.
- C. Cotton / nylon carcass : the rang of cotton / nylon carcass belts are available as per Customer's specification.

Advantages Of NN / EP Conveyor Belts.

1. Excellent Flexibility
2. Very Low Permanent Elongation
3. Excellent Trough ability
4. Excellent Cover-to-ply Adhesion
5. Maximum Load Support
6. Suitable For Mechanicals Fasteners
7. Impact Resistance
8. Suitable For All Types Of Cover Grades.



Synthetic Conveyor Belt With Breaker Ply



Rough Top / Grip Face :
This Belt, Provided With Cushiony And Anti-slippery Effects Due To Its Soft Rugged Surface Suitable For Transporting Fragile Or Deformable Materials And Packed Goods.



TECHNICAL SPECIFICATIONS

GRADE	SPECIFICATION	APPLICATION
M-24 GENERAL	IS - 1891 (PART-1)1988	HEAVY DUTY FOR HIGHLY ABRASION MATERIAL
M-14 GENERAL	IS - 1891 (PART-1)1988	MEDIUMS HEAVY DUTY FOR MODERATELY
HR T-1	IS - 1891 (PART-2)1988	ABRASIVE MATERIAL
HR T-2	IS - 1891 (PART-2)1988	MAXIMUM OPERATING TEMP-120C
ISHR	STANDARD	MAXIMUM OPERATING TEMP-150C
OR GRADE	IS - 1891 (PART-3)1988	MAXIMUM OPERATING TEMP-200C
ROUGH TOP	STANDARD	OIL & FAT RESISTANT
FR GRADE	IS - 1891 (PART-5)1988	LIGHT MATERIAL.

Belt designation PP (Nylon-nylon)	Recommended Max.Belt Tension (BMNT)	Nominal Carcass Thickness	Nominal Carcass Weight	Maximum Belt Width For Satisfactory Load Support (mm) For Material Bulk Density Upto (t/m ³)		
				1.0	1.6	2.5
Type Rating	(kN/m)	(mm)	(kg/m)			

200/2	20	2.3	2.6	650	500	400
250/2	25	2.5	2.8	650	600	450
315/2	31	2.7	3.0	800	650	500
315/3	31	3.0	3.3	1000	800	650
400/3	40	3.3	3.7	1050	900	650
500/3	50	3.6	4.0	1200	900	800
630/3	63	3.9	4.4	1200	1000	800
630/4	70	5.0	5.6	1400	1200	900
800/4	90	5.4	5.9	1600	1400	1000
800/5	90	6.4	7.2	1800	1400	1200

HEAVY SERVICE

1000/4	110	6.1	6.7	1800	1400	1200
1000/5	110	6.9	7.8	1800	1600	1400
1250/4	140	7.0	7.8	1800	1600	1400
1250/5	140	7.8	8.8	1800	1600	1600
1400/4	155	7.7	8.6	1800	1800	1600
1400/5	155	8.9	10.1	2000	1800	1800
1600/5	180	9.8	11.1	2000	1800	1800
1600/6	180	10.9	12.2	2000	2000	2000
1800/6	200	12.0	13.2	2000	2000	2000

HI-CUSHION

200/2	20	2.8	3.2	800	650	500
250/2	25	3.0	3.4	800	650	500
315/2	31	3.2	3.6	900	800	650
315/3	31	3.8	4.5	1200	1000	800
400/3	40	4.1	4.7	1200	1000	800
500/3	50	4.4	4.9	1400	1200	900
630/3	63	4.7	5.3	1400	1200	1000
630/4	70	6.2	7.1	1600	1400	1200
800/4	90	6.6	7.2	1800	1600	1400

NOTES :

1. For operating temperatures in excess of 125c, the operating tension should not be more than
2. Carcass thickness and weights are subjects to manufacturing tolerances. Belts with values others than above can be Manufactured for special are requirements.
3. Load support data on is belt sag between idlers being limited to maximum 2% of idlers span nips of Maximum 10mm with capacity utilization above 75%
4. All belts are suitable for deep troughing idlers in commonly used width for the given ratings. However, for heavy service Belts below 800mm, kindly rater to the mrf team.

BELT CONVEYOR

- A. SHR GRADE BELT
- B. M. 24 GRADE BELT
- C. CHEVRON BELT
- D. OR GRADE BELT



CHAIN CONVEYOR



REDLER CONVEYOR



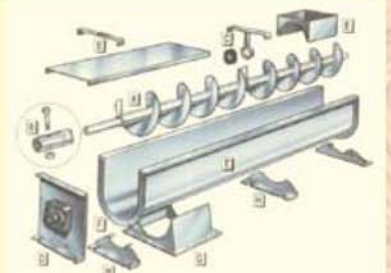
SLAT CONVEYOR



STACKER CONVEYOR



SCREW CONVEYOR



MOBILE CONVEYOR



ROLLER CONVEYOR



SPECIAL PURPOSE BELT CONVEYOR FOR CHEMICAL & FOOD

HDDP Coted Roller & Pully

PVC Coted Roller & Pully

PU Coted Roller & Pully

UHM WPE Roller & Pully

S. S. Body

Rubber Coted



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