BTL EPC LTD.

IDLER SYSTEMS

FOR THE TOUGHEST
MATERIAL HANDLING SYSTEMS



Idlers for Coal Handling Plant for FGUTPP (NTPC) at Unchahar, UP.

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Building for India
Banking on India



Building for India
Banking on India

BTL EPC Ltd. is a leading engineering and EPC company delivering innovative solutions in bulk material handling in mining, power, steel, fertiliser & other core sectors. With advanced manufacturing facilities and a strong focus on quality, precision, and timely execution, BTL EPC provides end-to-end services from design and engineering to production, installation, and project commissioning across diverse industrial projects.

Manufacturing Capacity

- Yearly Production
  2 – 2.5 Lakh Units
- Monthly Production
  20,000 – 25,000 Units





INHOUSE MANUFACTURING FACILITY

From Production Floor to Quality Assurance





















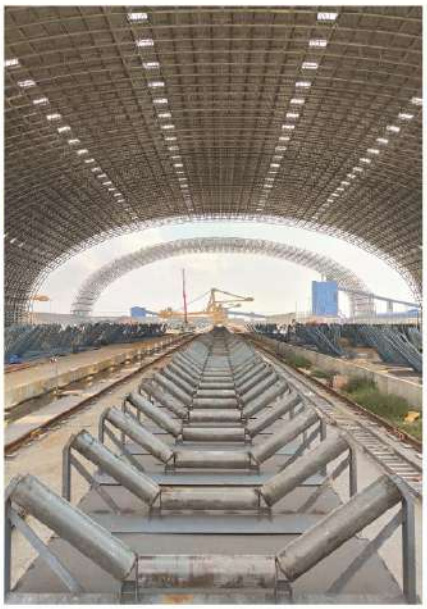




Design Capabilities: Inventor | STAAD.Pro | Tekla Structures | ANSYS | PV Elite | E3D | PDMS | ProHance | DMS | ANSYS Rocky

Total Number of Design Engineers: Mechanical - **16** | Utility - **10** | Electrical - **14** | Civil & structural - **18** | Others: **12**

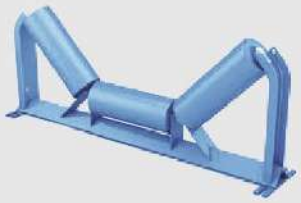
PROJECTS THAT DEFINE
OUR EXPERTISE






TYPES OF IDLER



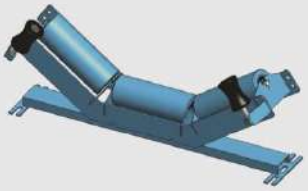
Carrying idler



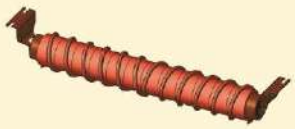
Impact idler



Vee Return idler



Self-Aligning idler



Spiral return idlers



Garland idlers



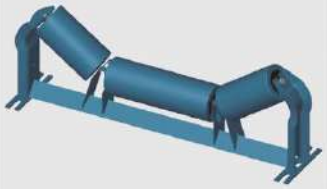
Offset center idlers



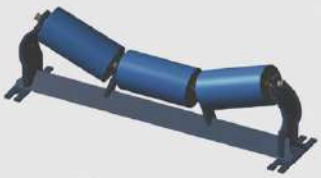
Channel mount idlers



Feeder/picking idlers



Unequal troughing idlers



CB504 Series idlers



Rubber cushion return idlers



Urathon® return roll



Self-aligner returns



Rubber cushion flat carries



Live shaft rollers



40 Series idlers



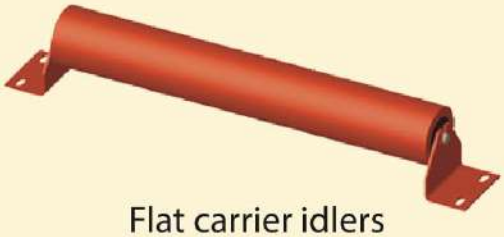
Variable pitch idlers



Wire rope idlers



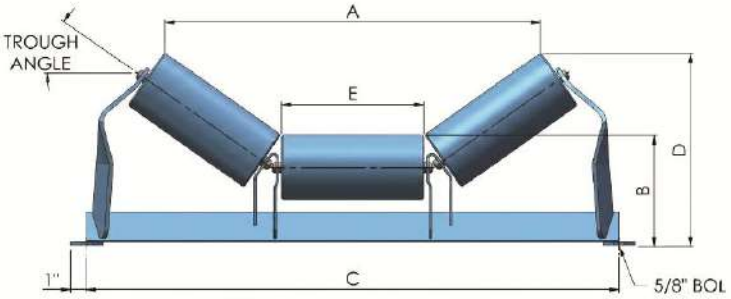
Beater bar



Flat carrier idlers

CARRYING IDLER

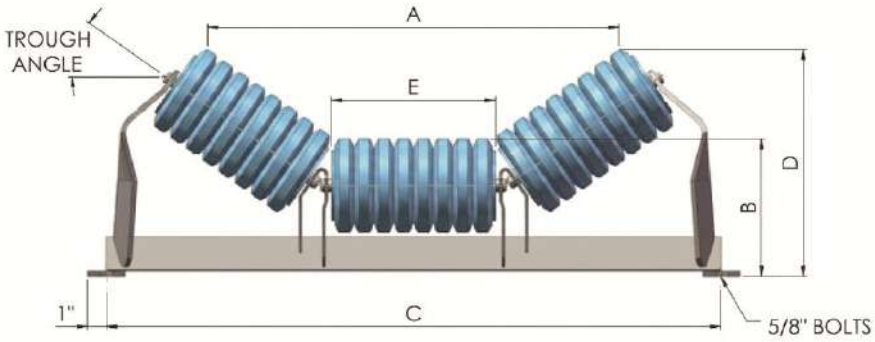




35° TROUGHING ANGLE																								
Belt Width	Model Number	A				B				C	D				E	Weight of each Roll (Kgs)				Assembly Weight			
		114.3	139.7	152.4	159	114.3	139.7	152.4	159		114.3	139.7	152.4	159		114.3	139.7	152.4	159	114.3	139.7	152.4	159
650	65TRI35-152.4			668				275		940			418		250			9.5				46.5	
800	08TRI35-152.4			824				275		1090			455		315			11.5				56.5	
800	08TRI35-139.7		824				275			1150		428			315		8				46		
1000	10TRI35-114.3	1034				225				1240	417				380	12				61			
1200	12TRI35-152.4			1246				275		1490			545		465			13				64	
1200	12TRI35-139.7		1246				275			1490		565			465		14				70		
1400	14TRI35-152.4			1458				275		1690			582		530			14.5				78.5	
1600	16TRI35-152.4			1667				275		1900			675		600			17				86	
1800	18TRI35-152.4			1888				275		2100			662		670			18				94	
1800	18TRI35-152.4			1888				275		2100			668		670			20				108	
1800	18TRI35-159				1888				300	2100				687	670				25				120
2000	20TRI35-152.4			1998				290		2300			723		750			22				124	
2200	22TRI35-152.4			2294				287		2500			732		800			30				152	

IMPACT IDLER

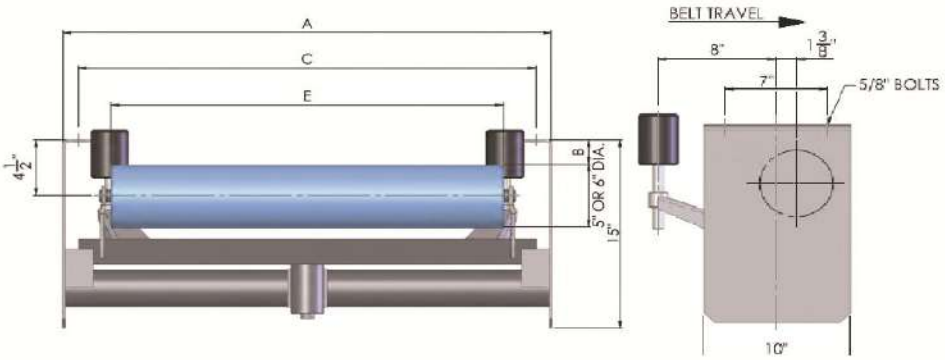




35° TROUGHING ANGLE																								
Belt Width	Model Number	A				B				C	D				E	Weight of each Roll (Kgs)				Assembly Weight			
		114.3	127	139.7		114.3	127	139.7			114.3	127	139.7			114.3	127	139.7		114.3	127	139.7	
650	65IMI35-139.7			686				305		940			424		250			10.5				66.5	
800	08IMI35-139.7			844				305		1090			462		315			13.5				83	
1000	10IMI35-114.3	1056				225				1240	423				380	16				76			
1200	12IMI35-139.7			1294				300		1490			512		465			22				96	
1200	12IMI35-127		1282				300			1490		544			465		22				92		
1400	14IMI35-139.7			1488				305		1690			587		530			26				116	
1600	16IMI35-139.7			1702				315		1900			675		600			26				122	
1800	18IMI35-139.7			1914				305		2100			668		670			30				135	
1800	18IMI35-139.7			1914				307		2100			668		670			32				146	
2000	20IMI35-127		1964				315			2300		723			750		34				160		
2200	22IMI35-139.7			2324				317		2500			743		800			42				191	

SELF ALIGNING IDLER

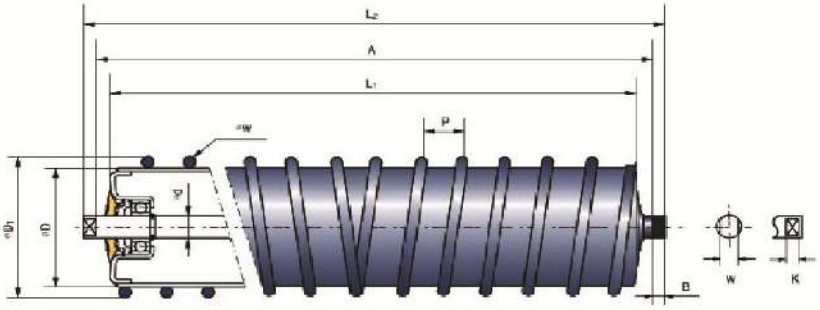




Belt Width	Model Number	A	B (Length)			C	E	Weight of each Roll (Kgs)			Assembly Weight		
			88.9	139.7	152.4			88.9	139.7	152.4	88.9	139.7	152.4
650	65SAI-152.4	1040			190	940	750			16			46
800	80SAI-88.9	1190	145			1090	950	18			54		
1200	12SAI-139.7	1590		180		1490	1400		38			80	
1200	12SAI-152.4	1570			170	1490	1400			38			84
1400	14SAI-152.4	1790			190	1690	1600			42			90
1600	16SAI-152.4	1970			180	1900	1800			52			106
1800	18SAI-152.4	2200			190	2100	2000			52			114
2000	20SAI-152.4	2400			190	2300	2200			60			140
2200	22SAI-152.4	2600			190	2500	2400			65			163
2400	24SAI-152.4	2780			200	2700	2600			80			188

SPIRAL RETURN IDLER





Belt Width	Model Number	A	B	Weight of each Roll (Kgs)	Assembly Weight
650	65SRI-139.7	782	18	26	34
800	80SRI-139.7	1002	22	34	42
1200	12SRI-139.7	1452	22	38	47
1400	14SRI-139.7	1652	22	52	62
1800	18SRI-139.7	2052	22	62	74
2200	22SRI-139.7	2452	22	72	86
2400	24SRI-139.7	2652	22	84	98

BTL EPC LTD.

CLIENTELE

POWER

adani | एनटीपीसी NTPC | भेल BHEL | एन बी पी पी एल NBPPL | BIFPCL | TGGENCO | CESC LIMITED | SMS CONCAST | बी पा श क लि BPSCL | GSECL | HVP

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