



## Conveyor Components

Hubei Xin Aneng as the professional manufacturer of high quality Conveyor Components with guarantee 30,000hrs in normal working conditions. At XAN, we focus on production management, down to the cleanliness of the factory floor. We believe that production management reflects product quality. Only by holding ourselves to strict standards can we produce high-quality products and serve our customers effectively.

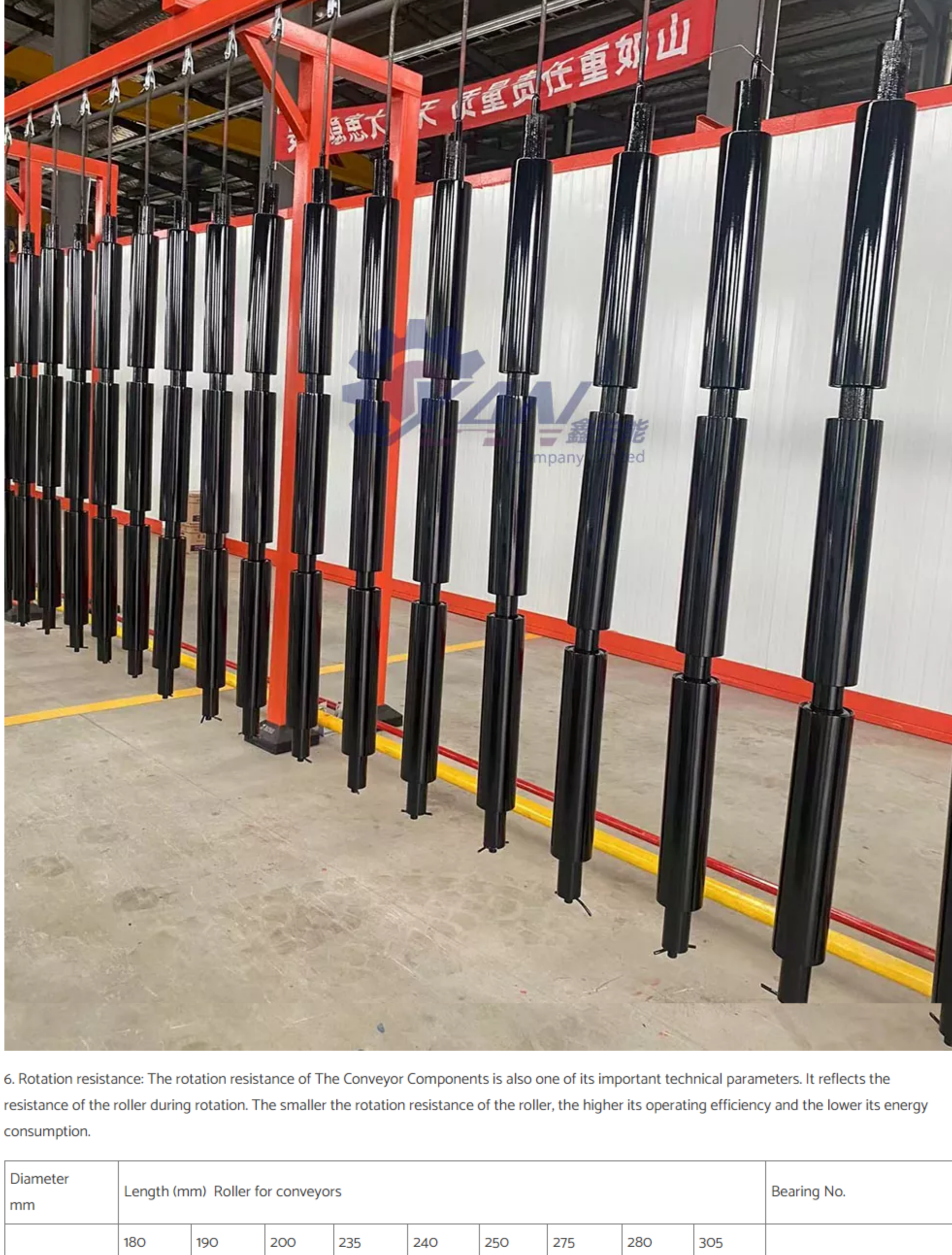
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### Product Description

The main technical parameters of The Conveyor Components include the following aspects:

- Diameter:** The diameter of The Conveyor Components is one of its most critical parameters, which determines the load-bearing capacity and stability of the roller. Common wheel diameter sizes include 38mm, 50mm, 60mm, 76mm, 89mm, 102mm, etc. There are also larger diameters such as 108mm, 133mm, 159mm, 194mm, 219mm, etc. The larger the diameter, the stronger the load-bearing capacity and the wider the scope of application.
- Length:** The length of The Conveyor components is generally between 200mm and 2000mm, but there are also special size rollers, such as steel rollers with a length of up to 4000mm. The length mainly affects the transportation capacity and scope of application of the roller. Longer rollers are suitable for larger logistics equipment and occasions where the goods are transported for a long time.
- Width:** The width of The Conveyor Components is generally 300mm, 400mm, 500mm, 600mm, 700mm, etc. Larger rollers can also reach 1200mm. The width mainly determines the load-bearing capacity and application range of the roller. Generally speaking, the roller with a larger width has a stronger load-bearing capacity, but it is not suitable for use in a small working space.
- Material:** The material of The Conveyor Components is also one of its important technical parameters. Common materials include Q235, 45# steel, etc. Idlers made of different materials have different wear resistance, load-bearing capacity and service life.
- Arrangement spacing:** Different types of The Conveyor Components have different arrangement spacing requirements. For example, the arrangement spacing of trough rollers shall not be greater than 1200mm, and one set of upper-centering rollers shall be provided for every 10 groups of trough rollers (normal spacing arrangement); the arrangement spacing of parallel rollers shall not be greater than 3000mm, and every 8 groups of return rollers shall be arranged. There is a set of lower centering rollers; the buffer rollers are installed at the loading area of the belt conveyor to alleviate the impact of materials on the conveyor belt. The buffer rollers under the guide trough are arranged at a distance of ≤600mm.



6. **Rotation resistance:** The rotation resistance of The Conveyor Components is also one of its important technical parameters. It reflects the resistance of the roller during rotation. The smaller the rotation resistance of the roller, the higher its operating efficiency and the lower its energy consumption.

Diameter mm	Length (mm) Roller for conveyors									Bearing No.
	180	190	200	235	240	250	275	280	305	
89	215	350	375	380	455	465	600	750	950	204
	1150									
108	190	200	240	250	305	315	360	375	380	204.205.305.306
	455	465	525	530	600	700	750	790	800	
133	305	375	380	455	465	525	530	600	670	205.305.306
	700	750	790	800	900	950	1000	1100	1150	
159	375	380	455	465	525	530	600	700	750	305.306.308
	790	800	900	1000	1050	1100	1120	1150	1180	
	1250	1400	1500	1600	1700	1800	2000	2200	2500	
	2800	3000	3150							

### Production Equipment in Hubei Xin Aneng Conveyor Machinery Co., Ltd:



No.	Machine name	Inspection item
1	Ultrasonic flaw detector	welding seam, ultrasonic inspection of steel plates
2	Roller axial displacement measuring instrument	Detecting axial displacement
3	Roller resistance measuring instrument	Detecting rotational resistance
4	Roller waterproof test bench	Testing waterproof performance
5	Roller axial bearing test bench	Measure axial bearing capacity
6	Static balance test bench	Check the static balance of the drum
7	Coaxiality test bench	Check the coaxiality of the roller
8	Coating thickness gauge	Measure the thickness of the paint
9	Sound level meter	Measure noise level
10	Tachometer	Measure rotational speed



### The Certificates of Hubei Xin Aneng Conveyor Machinery Co., Ltd:

**Patent certificate**

**Coal safety qualification**

**Quality, environment and health system certificates**

Hubei Xin Aneng Conveyor Machinery Co., Ltd always treat excellence as a habit