

## GLOBAL PRESENCE AND LOCAL SERVICE



1° ed. BTR EN 02/25

- Manufacturing, Sales, Service
- Sales, Service

Australia  
Canada  
China  
Denmark  
Finland  
France  
Germany  
India  
Indonesia

Italy  
Poland  
South Africa  
Spain / Portugal  
Sweden  
Thailand  
United Kingdom  
USA

### ABOUT RULMECA

*Founded in 1962, the Rulmeca Group has grown to be a leading partner to the global materials handling industry. Rulmeca Group is one of the largest suppliers of rollers, idlers, pulleys and motorized pulleys for heavy duty belt conveyors for quarries and mining applications and of Rollers, Drum Motors and 24V Drive Rollers for Intralogistics.*

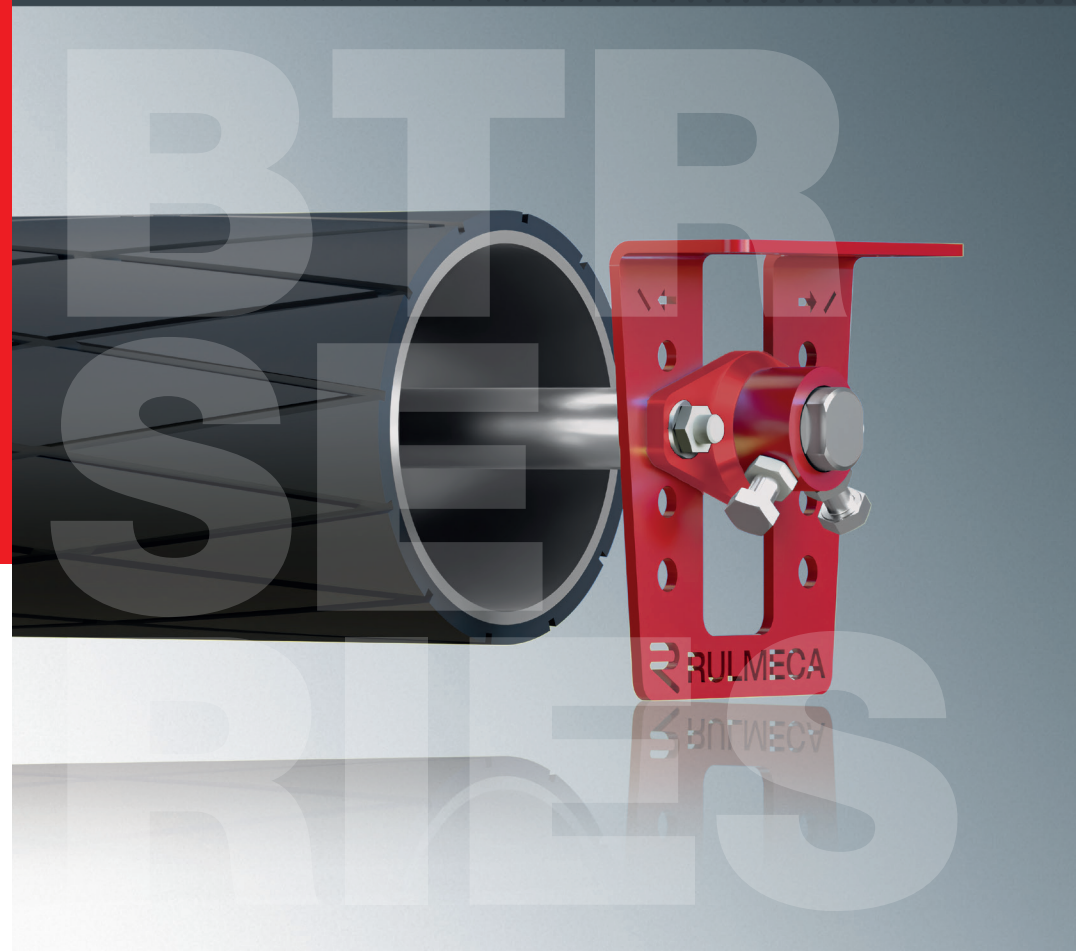


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**[rulmeca.com](http://rulmeca.com)**



Find your local Rulmeca company and contact:



### BTR SERIES

PREVENTS BELT MISALIGNMENT,  
ENHANCE CONVEYOR  
PERFORMANCE



Ensure smooth, efficient, and reliable operation of your conveyor system with the **Rulmeca Belt Tracking Rollers**. Designed to minimize belt misalignment and prevent costly downtime, these rollers provide precision tracking, keeping your conveyor belt centered and running at peak performance.

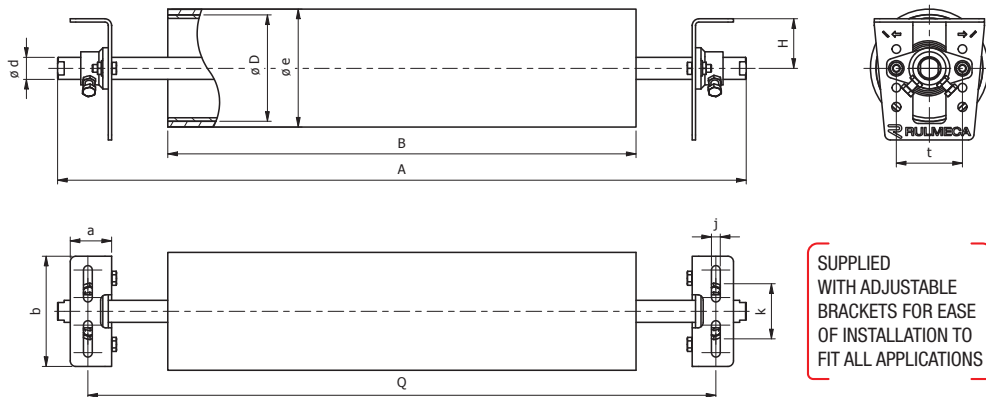
- 1 **Fast Reaction**
- 2 **Long life**
- 3 **Easy Installation**
- 4 **Maintenance-free**
- 5 **Reversible**

# FEA TU RES



## TECHNICAL DATA

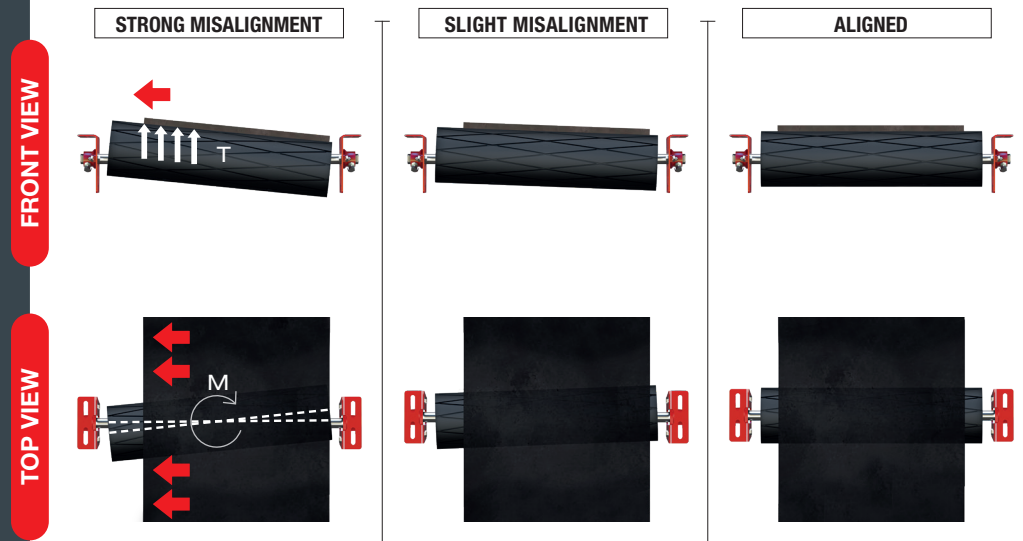
BW mm	ø e mm	D mm	B mm	A mm	ø d mm	Tilt deg	Q mm	H mm	a x b mm	j mm	k mm	t mm	Weight kg
450	214	194	500	900	40	5	650 ÷ 850	55 ÷ 160	75 x 200	16	50 ÷ 150	120	52,6
500	214	194	550	950	40	5	700 ÷ 900	55 ÷ 160	75 x 200	16	50 ÷ 150	120	54,8
600	214	194	650	1050	40	5	800 ÷ 1000	55 ÷ 160	75 x 200	16	50 ÷ 150	120	59,3
650	214	194	700	1100	40	5	850 ÷ 1050	55 ÷ 160	75 x 200	16	50 ÷ 150	120	61,6
750	214	194	800	1200	40	5	950 ÷ 1150	55 ÷ 160	75 x 200	16	50 ÷ 150	120	66,1
800	214	194	850	1250	40	5	1000 ÷ 1200	55 ÷ 160	75 x 200	16	50 ÷ 150	120	68,3
900	214	194	950	1350	40	5	1100 ÷ 1300	55 ÷ 160	75 x 200	16	50 ÷ 150	120	72,8
1000	214	194	1050	1450	40	5	1200 ÷ 1400	55 ÷ 160	75 x 200	16	50 ÷ 150	120	77,3
1050	214	194	1100	1500	40	5	1250 ÷ 1450	55 ÷ 160	75 x 200	16	50 ÷ 150	120	79,6
1200	214	194	1250	1650	40	5	1400 ÷ 1600	55 ÷ 160	75 x 200	16	50 ÷ 150	120	86,3
1350	214	194	1450	1900	40	3,5	1600 ÷ 1850	55 ÷ 160	75 x 200	18	50 ÷ 150	120	100,1
1400	214	194	1500	1950	40	3,5	1650 ÷ 1900	55 ÷ 160	75 x 200	18	50 ÷ 150	120	102,3
1500	214	194	1600	2050	40	3,5	1750 ÷ 2000	55 ÷ 160	75 x 200	18	50 ÷ 150	120	106,8
1600	214	194	1700	2150	40	3,5	1850 ÷ 2100	55 ÷ 160	75 x 200	18	50 ÷ 150	120	111,3
1650	214	194	1750	2200	40	3,5	1900 ÷ 2150	55 ÷ 160	75 x 200	18	50 ÷ 150	120	113,5
1800	214	194	1900	2350	40	3,5	2050 ÷ 2300	55 ÷ 160	75 x 200	18	50 ÷ 150	120	120,3



## BENEFITS:

- **Extends belt life:** By keeping the belt aligned, the roller minimizes friction and uneven wear, which can occur if the belt is misaligned. This can extend the life of the belt and the entire system.
- **Improves safety:** Misaligned belts can damage the surrounding structure, leading to safety hazards. Proper tracking helps reduce the risk of such issues.
- **Reduces maintenance costs:** By preventing misalignment and wear, the need for repairs or replacement of the conveyor components is reduced, saving both time and money on maintenance.
- **Reduces downtime:** Proper belt alignment ensures the conveyor system runs more smoothly and efficiently, reducing downtime and increasing throughput.
- **Prevents material spillage:** Misalignment can cause the material being transported to spill off the side of the belt. The belt tracking roller helps keep the material contained, preventing losses and ensuring consistent performance.

## HOW BTR WORKS Continuous tracking in case of belt mistracking



The tilt and swing movements increase tension (T) and generates a self alignment moment (M), leading the belt (→) to its optimal path.

Engineered for precision, the BTR detects even the slightest belt mistracking and steers the belt with a combination of self-aligning torque and tension back to its optimal path. The BTR features a specially designed, maintenance free pivot that enables the roller to tilt and swing, ensuring continuous guidance of the belt.