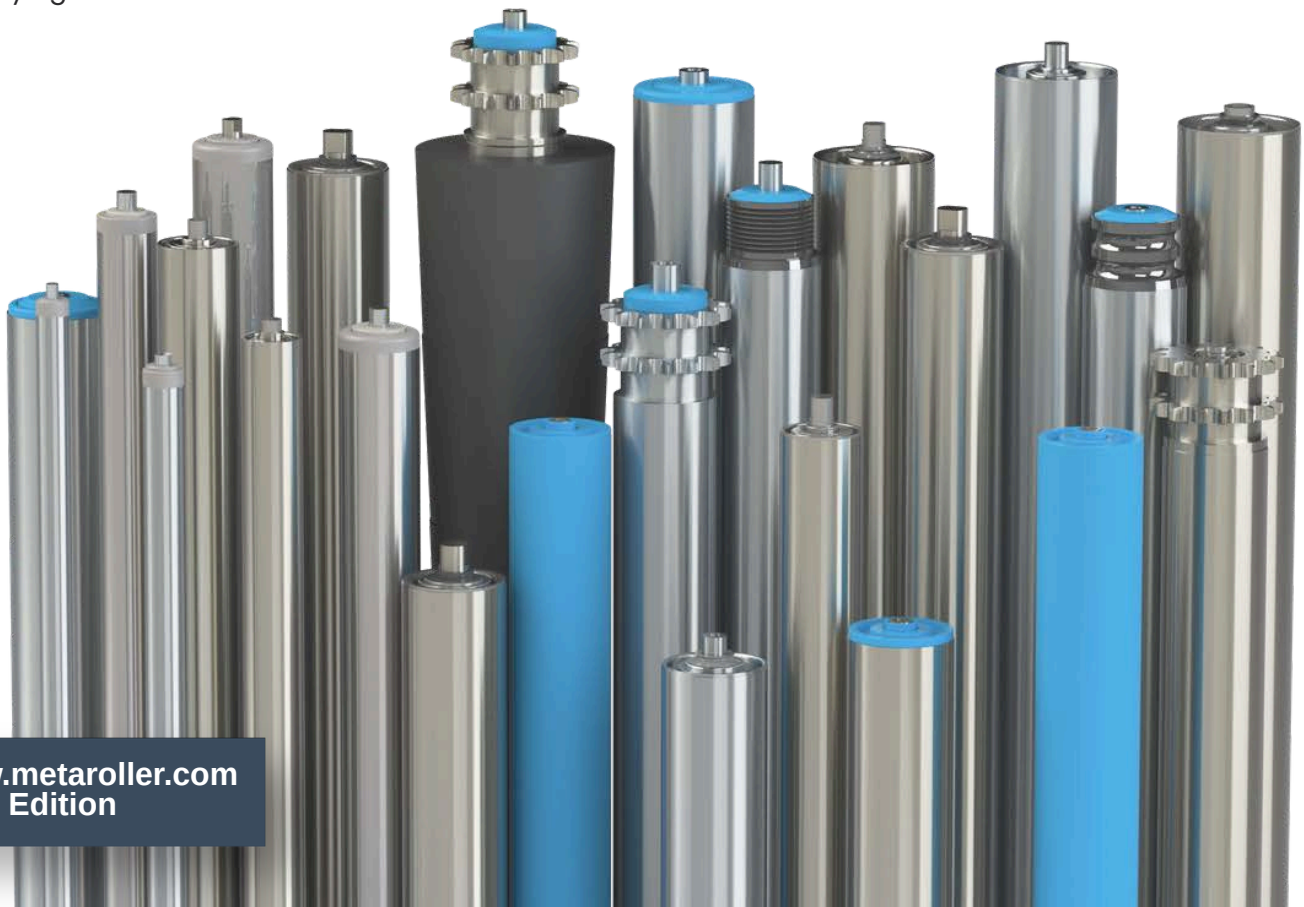
CONVEYOR ROLLER CATALOG 2026

MetaRoller
Conveyor Systems

MetaRoller Production Capability

With over a decade of industry experience, MetaRoller delivers high-performance and reliable roller solutions for intralogistics and automation applications, serving both end users and OEM partners. To date, more than 100,000 idler rollers, 30,000+ driven rollers, and 10,000+ spring-loaded rollers have been manufactured, demonstrating our strong production capability, engineering expertise, and commitment to delivering durable and efficient conveying solutions.



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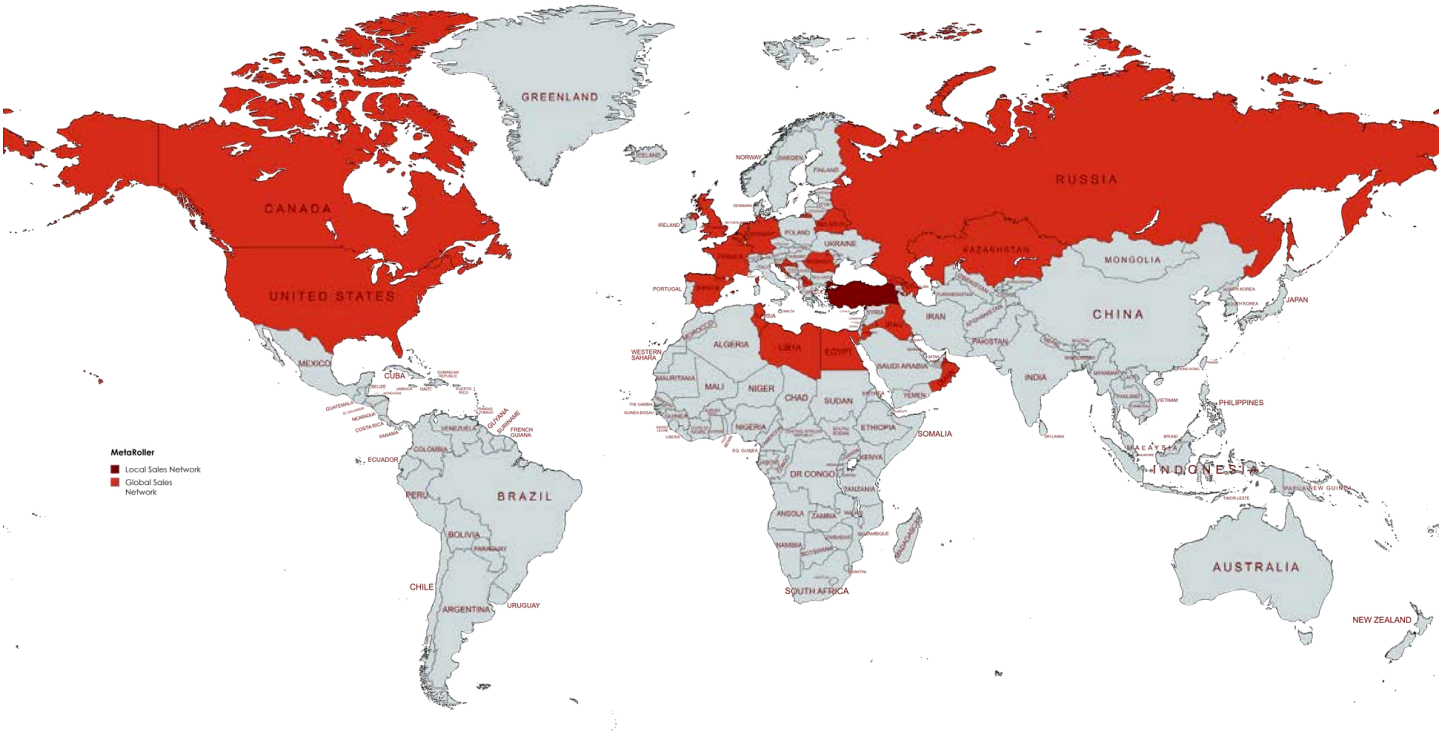
2026 Edition



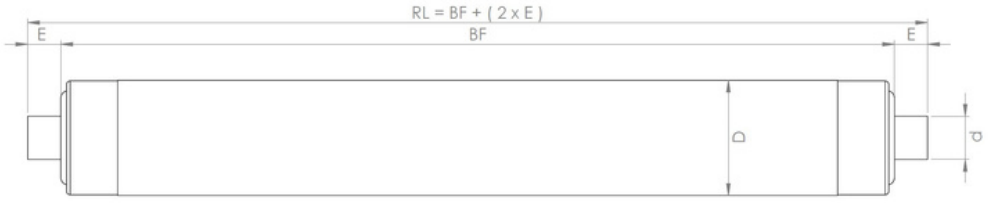
METAROLLER

Founded in 2016, Metaroller has been operating in the conveyor industry for close to a decade. Headquartered in Istanbul, Türkiye, the company delivers solutions for both end users and OEM-oriented projects through its strong manufacturing capabilities.

With an export network extending from Türkiye to global markets, Metaroller products and systems are currently used in numerous countries. As a manufacturer with a deep understanding of logistics sector requirements, the company focuses on developing durable and efficient solutions that support customers in optimizing their operational workflows.

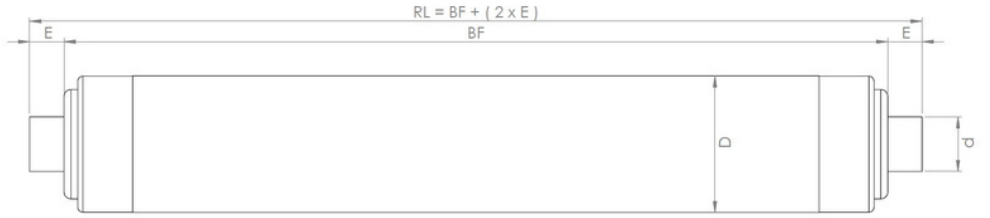
MetaRoller
Conveyor Systems

161010 Ø16 Light duty conveyor roller



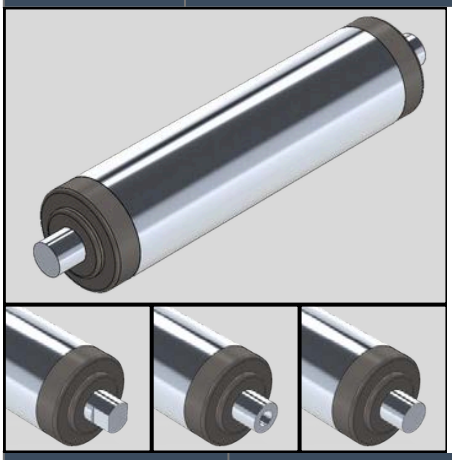
Roller data		Roller dimensions		Roller Specifications	
Bearing elements	KTR-16x1,0 (Plastic)	**Tube (D)**	Ø16	**Temperature range**	0° - 80°
Tube material	aluminum, stainless steel, galvanized	**Shaft (d)**	Ø6	**Load capacities**	10 - 15 kg
Shaft material	transmission, stainless steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Light Duty
Spanner width	SW4	**Extension**	2 x E	**Roller speed**	0.25 m/s
Female thread	M4, M5	**Between frames**	BF	**Spring-Loaded**	None

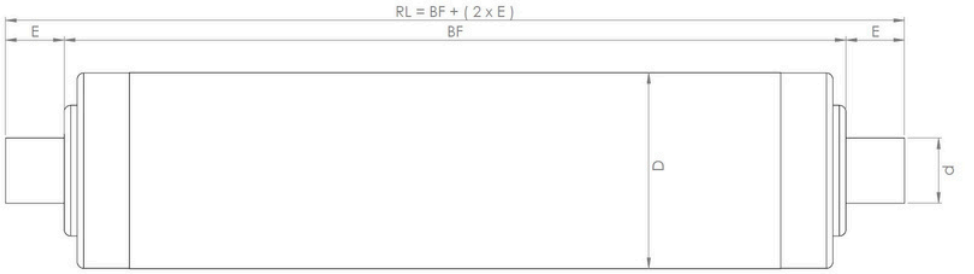
201010 Ø20 Light duty conveyor roller



Roller data		Roller dimensions		Roller Specifications	
Bearing elements	KTR-20x1,0 (Plastic)	**Tube (D)**	Ø20	**Temperature range**	0° - 80°
Tube material	aluminum, stainless steel, galvanized	**Shaft (d)**	Ø6, Ø8	**Load capacities**	15 - 25 kg
Shaft material	transmission, stainless steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Light Duty
Spanner width	SW4, SW6	**Extension**	2 x E	**Roller speed**	0.3 m/s
Female thread	M4, M5, M6	**Between frames**	BF	**Spring-Loaded**	None

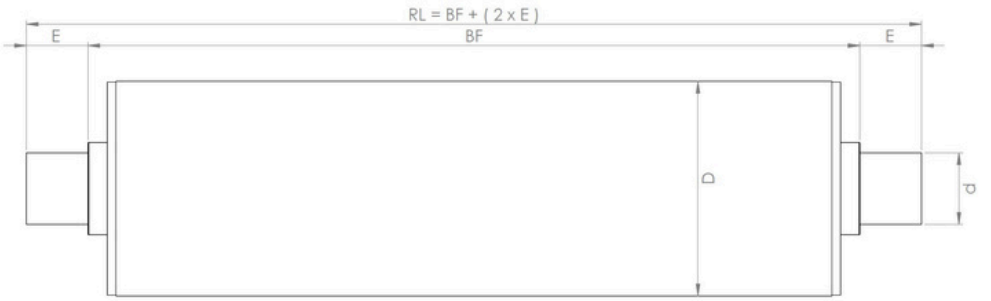
301010 Ø30 Light duty conveyor roller





Roller data		Roller dimensions		Roller Specifications	
Bearing elements	KTR-30x1,0 (Plastic)	**Tube (D)**	Ø30	**Temperature range**	0° - 80°
Tube material	aluminum, stainless steel, galvanized	**Shaft (d)**	Ø8, Ø10	**Load capacities**	15 - 30 kg
Shaft material	transmission, stainless steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Light Duty
Spanner width	SW6, SW8	**Extension**	2 x E	**Roller speed**	0.5 m/s
Female thread	M5, M6	**Between frames**	BF	**Spring-Loaded**	None

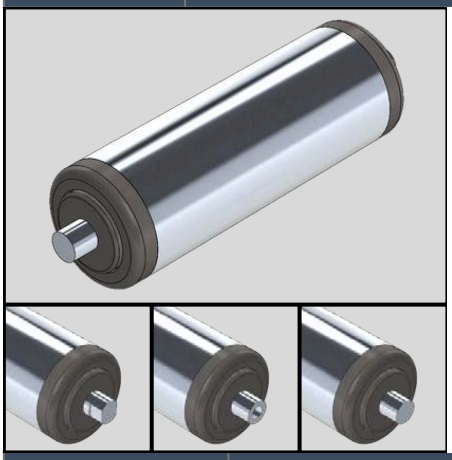
301020 Ø30 Medium duty conveyor roller

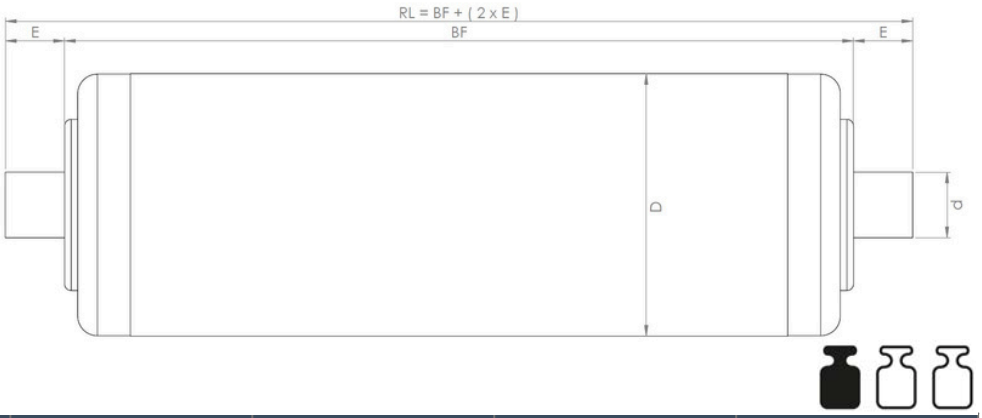


Roller data		Roller dimensions		Roller Specifications	
Bearing elements	MTR-30x1,0 (Metal)	**Tube (D)**	Ø30	**Temperature range**	-50° - 100°
Tube material	galvanized steel	**Shaft (d)**	Ø8, Ø10	**Load capacities**	40 - 60 kg
Shaft material	transmission steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Medium Duty
Spanner width	SW6, SW8	**Extension**	2 x E	**Roller speed**	0.5 m/s
Female thread	M5, M6	**Between frames**	BF	**Spring-Loaded**	Single / Double

MetaRoller Conveyor Systems

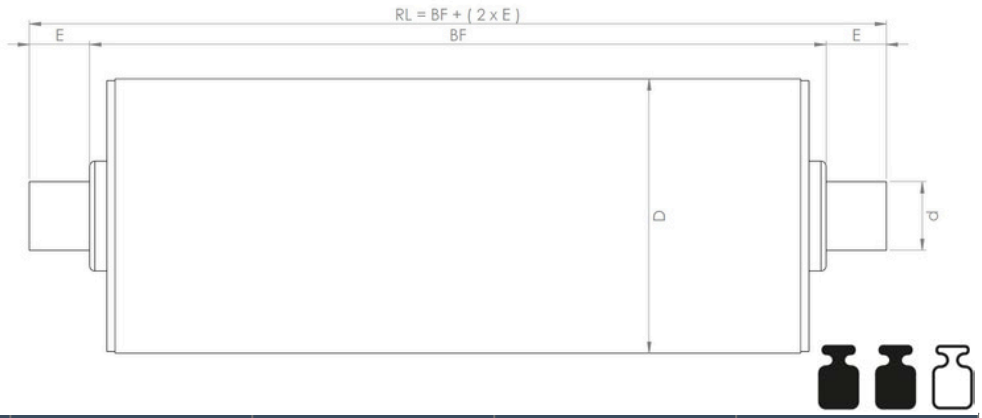
401010 Ø40 Light duty conveyor roller





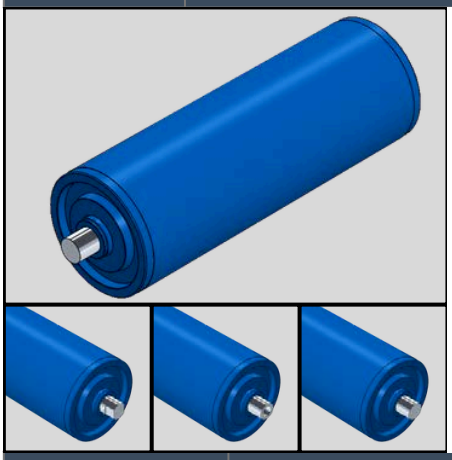
Roller data		Roller dimensions		Roller Specifications	
Bearing elements	KTR-40x1,5 (Plastic)	**Tube (D)**	Ø40	**Temperature range**	0° - 80°
Tube material	aluminum, stainless steel, galvanized	**Shaft (d)**	Ø8, Ø10	**Load capacities**	20 - 40 kg
Shaft material	transmission, stainless steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Light Duty
Spanner width	SW6, SW8	**Extension**	2 x E	**Roller speed**	0.4 – 0.5 m/s
Female thread	M5, M6	**Between frames**	BF	**Spring-Loaded**	None

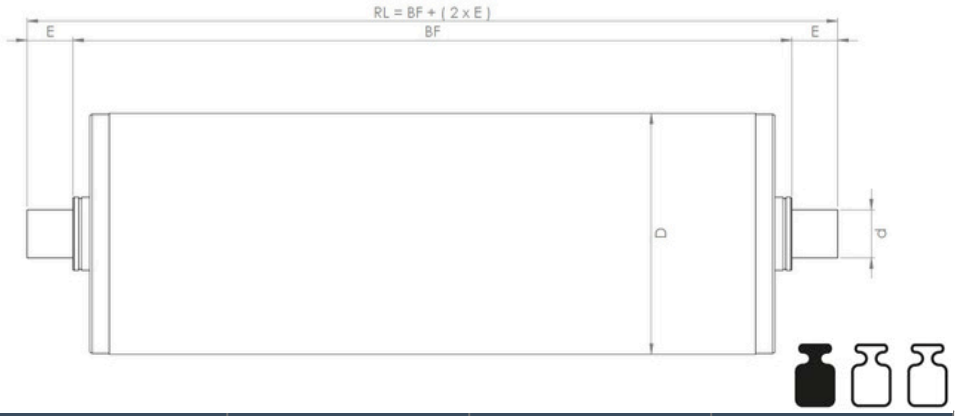
401020 Ø40 Medium duty conveyor roller



Roller data		Roller dimensions		Roller Specifications	
Bearing elements	MTR-40x1,5 (Metal)	**Tube (D)**	Ø40	**Temperature range**	-50° - 100°
Tube material	galvanized steel	**Shaft (d)**	Ø8, Ø10, Ø12	**Load capacities**	60 - 80 kg
Shaft material	transmission steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Medium Duty
Spanner width	SW6, SW8, SW10	**Extension**	2 x E	**Roller speed**	0.5 – 0.6 m/s
Female thread	M5, M6, M8	**Between frames**	BF	**Spring-Loaded**	Single / Double

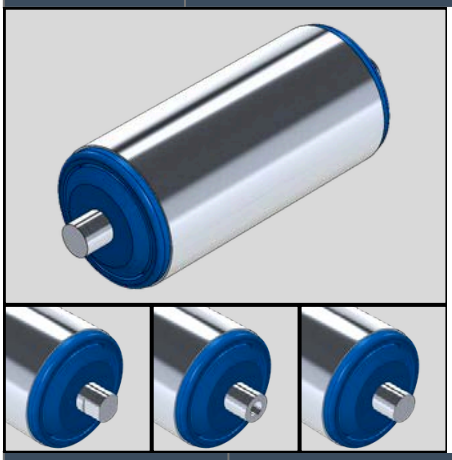
501000 Ø50 Light duty conveyor roller

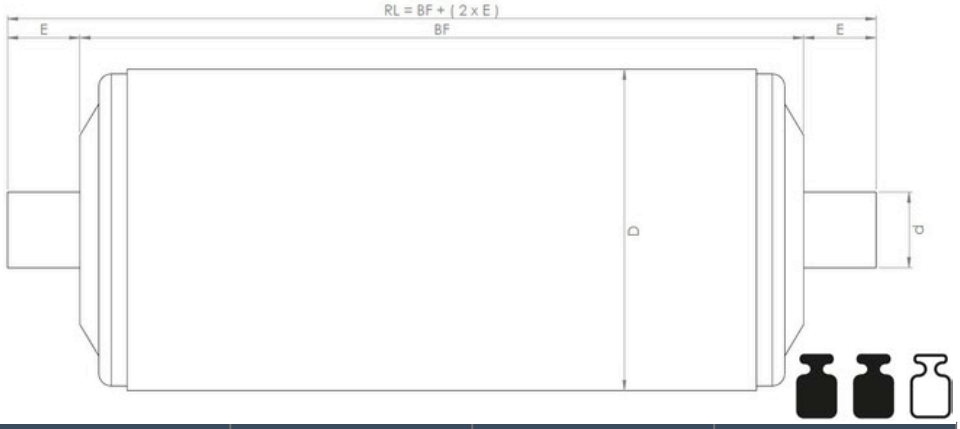




Roller data		Roller dimensions		Roller Specifications	
Bearing elements	KTR-50x1,5 (Plastic)	**Tube (D)**	Ø50	**Temperature range**	0° - 80°
Tube material	PVC-U (Plastic)	**Shaft (d)**	Ø10, Ø12	**Load capacities**	10 - 40 kg
Shaft material	transmission steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Light Duty
Spanner width	SW8, SW10	**Extension**	2 x E	**Roller speed**	0.4 – 0.5 m/s
Female thread	M5, M6, M8	**Between frames**	BF	**Spring-Loaded**	Single / Double

501020 Ø50 Medium duty conveyor roller

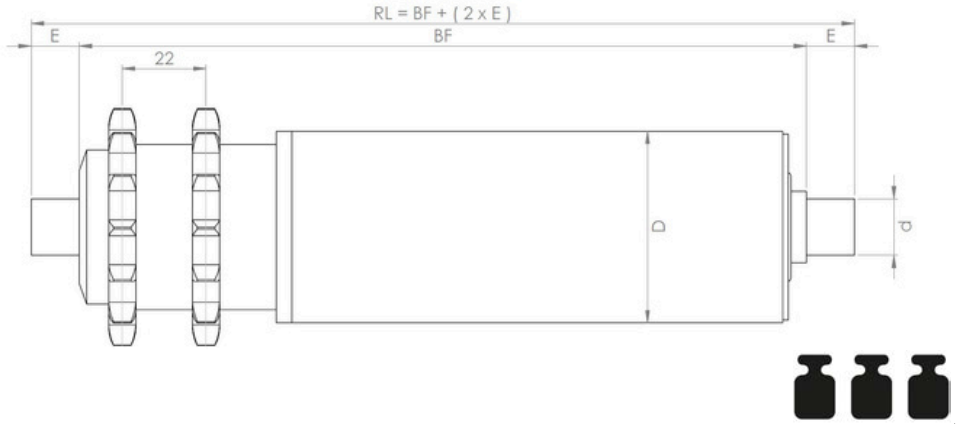




Roller data		Roller dimensions		Roller Specifications	
Bearing elements	MTR-50x1,5 (Plastic) ZZ	**Tube (D)**	Ø50	**Temperature range**	0° - 80°
Tube material	aluminum, stainless steel, galvanized	**Shaft (d)**	Ø12, Ø15	**Load capacities**	80 kg
Shaft material	transmission, stainless steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Medium Duty
Spanner width	SW8, SW10, SW12	**Extension**	2 x E	**Roller speed**	0.5 – 0.8 m/s
Female thread	M8, M10	**Between frames**	BF	**Spring-Loaded**	Single / Double

MetaRoller Conveyor Systems

501030 Ø50 Heavy Duty Chain Driven Roller (08B-1 Z14 Sprocket)

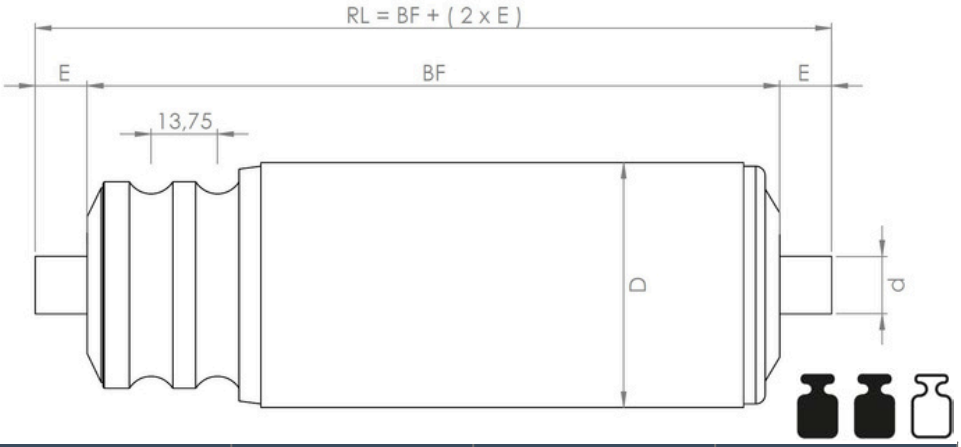


Roller data		Roller dimensions		Roller Specifications	
Bearing elements	6002-2RS	**Tube (D)**	Ø50	**Temperature range**	-50° - 100°
Tube material	galvanized steel	**Shaft (d)**	Ø15	**Load capacities**	120 – 200 kg
Shaft material	transmission steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Light Duty
Spanner width	SW10, SW12, SW13	**Extension**	2 x E	**Roller speed**	0.6 – 0.8 m/s
Female thread	M10, M12	**Between frames**	BF	**Spring-Loaded**	None

501040 Ø50 Heavy duty conveyor roller

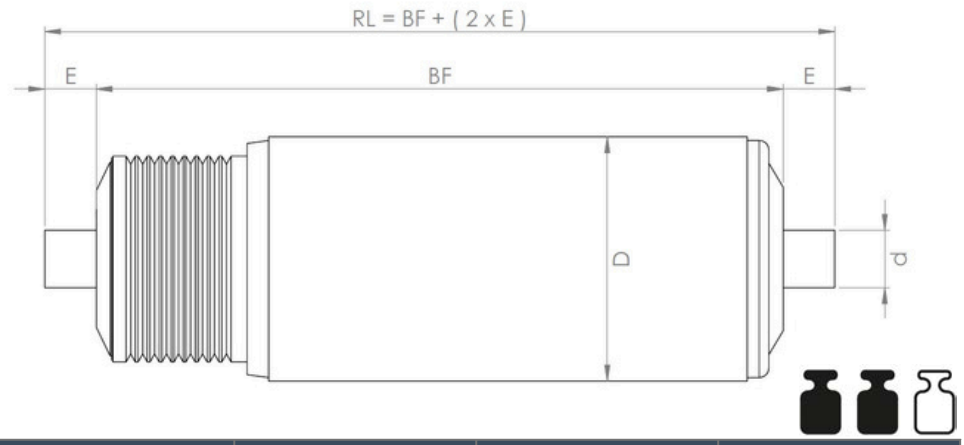
Roller data		Roller dimensions		Roller Specifications	
Bearing elements	MTR-50x1,5 (Metal) ZZ	**Tube (D)**	Ø50	**Temperature range**	-50° - 100°
Tube material	aluminum, galvanized steel	**Shaft (d)**	Ø12, Ø15	**Load capacities**	120 - 150 kg
Shaft material	transmission	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Heavy Duty
Spanner width	SW8 - SW13	**Extension**	2 x E	**Roller speed**	0.6 – 0.8 m/s
Female thread	M8, M10, M12	**Between frames**	BF	**Spring-Loaded**	Single / Double

501050 Ø50 Medium Duty O-Belt Driven Conveyor Roller (O-Belt)



Roller data		Roller dimensions		Roller Specifications	
Bearing elements	6202 ZZ	**Tube (D)**	Ø50	**Temperature range**	0° - 80°
Tube material	galvanized steel	**Shaft (d)**	Ø12	**Load capacities**	80 kg
Shaft material	transmission steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Medium Duty
Spanner width	SW8, SW10	**Extension**	2 x E	**Roller speed**	0.8 – 1.0 m/s
Female thread	M8, M10	**Between frames**	BF	**Spring-Loaded**	Single

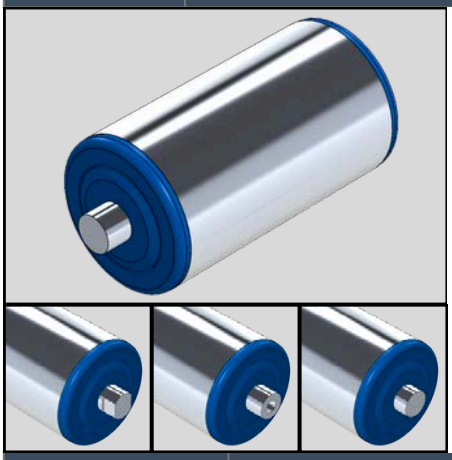
501060 Ø50 Medium Duty Poly-V Driven Conveyor Roller (3PJ Belt)

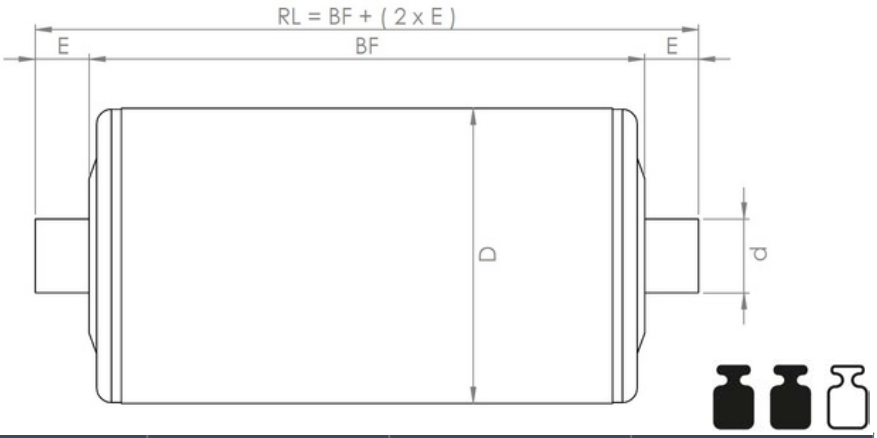


Roller data		Roller dimensions		Roller Specifications	
Bearing elements	VR-50-6202-ZZ	**Tube (D)**	Ø50	**Temperature range**	0° - 80°
Tube material	galvanized steel	**Shaft (d)**	Ø12	**Load capacities**	80 kg
Shaft material	transmission steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Medium Duty
Spanner width	SW8, SW10	**Extension**	2 x E	**Roller speed**	0.8 – 1.0 m/s
Female thread	M8, M10	**Between frames**	BF	**Spring-Loaded**	Single

MetaRoller Conveyor Systems

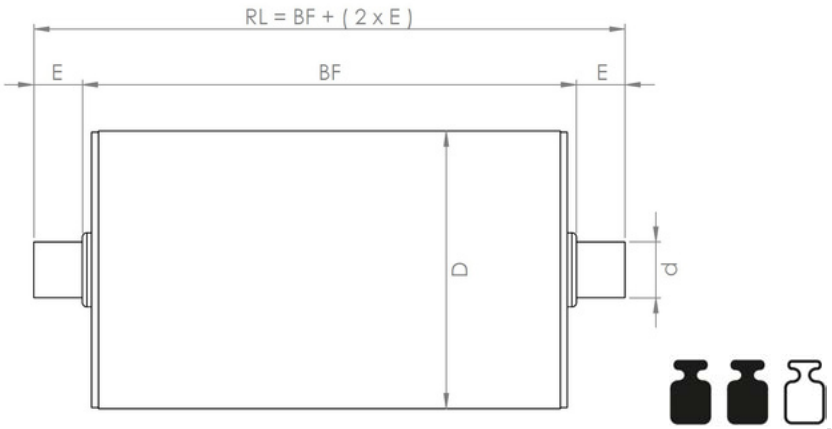
601010 Ø60 Medium Duty Conveyor Roller





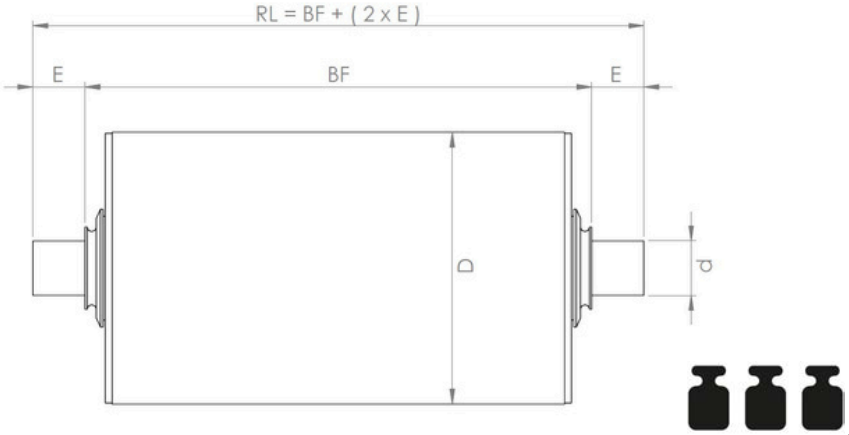
Roller data		Roller dimensions		Roller Specifications	
Bearing elements	KTR-60x1,5-ZZ	**Tube (D)**	Ø60	**Temperature range**	0° - 80°
Tube material	aluminum, stainless steel, galvanized	**Shaft (d)**	Ø15	**Load capacities**	120 kg
Shaft material	transmission, stainless steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Medium Duty
Spanner width	SW11, SW12, SW13	**Extension**	2 x E	**Roller speed**	0.4 – 0.5 m/s
Female thread	M10, M12	**Between frames**	BF	**Spring-Loaded**	Single / Double

601020 Ø60 Medium Duty Conveyor Roller



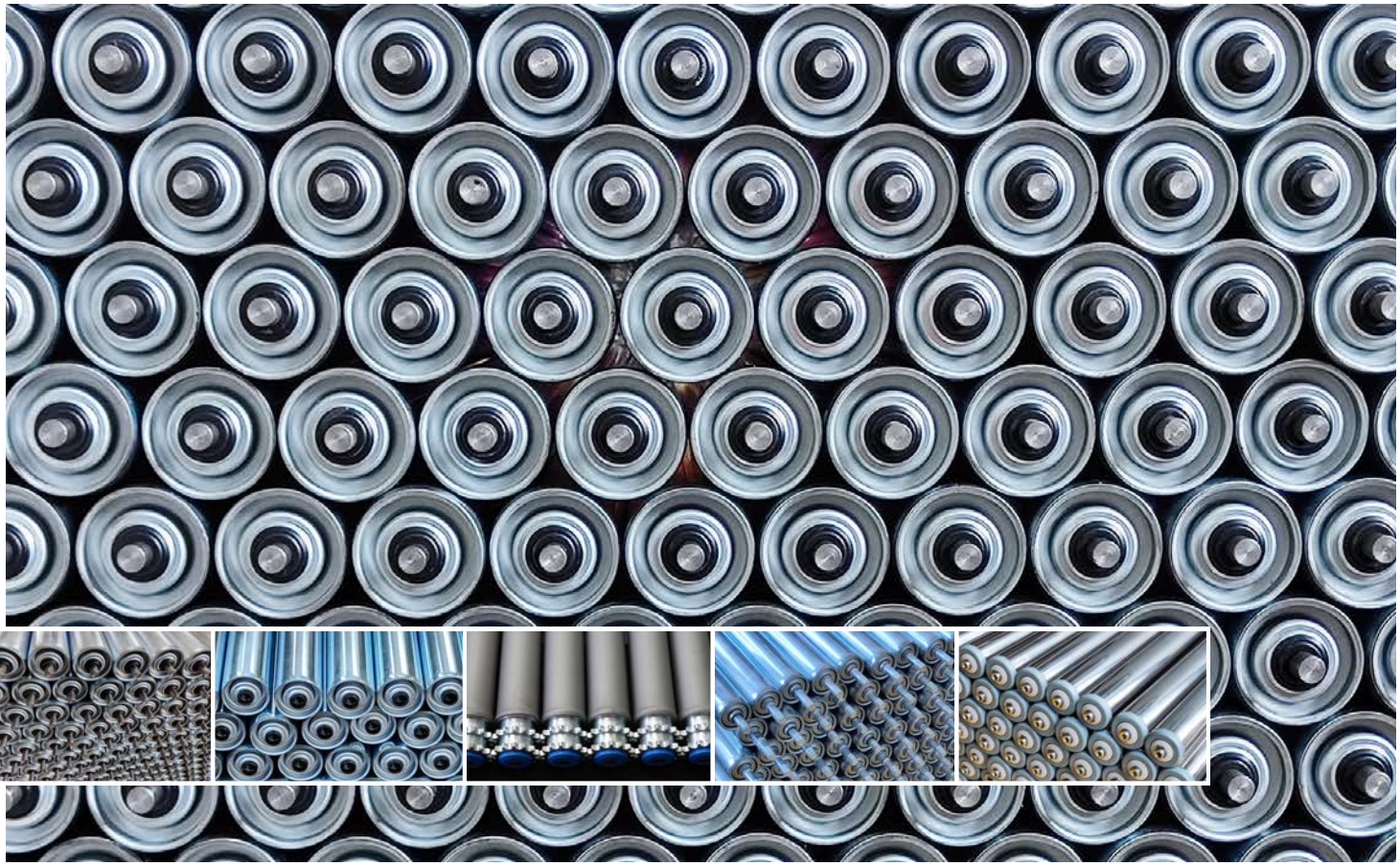
Roller data		Roller dimensions		Roller Specifications	
Bearing elements	MTR-60x1,5 (Metal)	**Tube (D)**	Ø60	**Temperature range**	-50° - 100°
Tube material	aluminum, galvanized	**Shaft (d)**	Ø12	**Load capacities**	80 kg
Shaft material	transmission	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Medium Duty
Spanner width	SW8, SW10	**Extension**	2 x E	**Roller speed**	0.5 – 0.6 m/s
Female thread	M8, M10	**Between frames**	BF	**Spring-Loaded**	Single / Double

601030	Ø60 Heavy Duty Conveyor Roller



Roller data		Roller dimensions		Roller Specifications	
Bearing elements	KTR-60x1,5-ZZ	**Tube (D)**	Ø60	**Temperature range**	0° - 80°
Tube material	aluminum, stainless steel, galvanized	**Shaft (d)**	Ø12, Ø15	**Load capacities**	120 - 150 kg
Shaft material	transmission, stainless steel	**Shaft length**	RL = BF + (2 x E)	**Roller type**	Heavy Duty
Spanner width	SW10, SW12, SW13	**Extension**	2 x E	**Roller speed**	0.4 – 0.5 m/s
Female thread	M8, M10, M12	**Between frames**	BF	**Spring-Loaded**	Single / Double

MetaRoller Conveyor Systems



CONVEYOR ROLLERS
Core Component of Material Handling Systems

Metaroller manufactures conveyor rollers in-house under controlled production standards.
Each roller is engineered according to load, speed, environment, and system design.
Correct roller selection directly influences efficiency, energy consumption, and operational reliability.

Product Range – Conveyor Roller Selection

• Idler Roller: Gravity-based, low-maintenance solution

• Spring-Loaded Roller: Quick installation and easy replacement

• Driven O-Belt Roller: Controlled drive for modular systems

• Driven Poly-V Roller: High torque, quiet operation

• Chain-Driven Roller: Heavy-duty traction performance

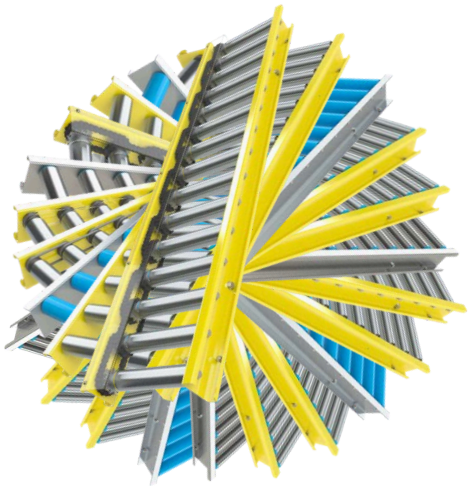
• Tapered Roller: Stable alignment in curved conveyors

• Stainless Steel Roller: Hygienic and corrosion-resistant

• Aluminum Roller: Lightweight, low inertia

• Steel / Galvanized Roller: High structural strength

• Plastic Roller: Quiet and corrosion-resistant for light loads



OPERATIONAL ADVANTAGES

- High Efficiency: Proper roller selection accelerates inter-system transfers and ensures uninterrupted flow.
- Durability & Long Service Life: Application-specific material engineering reduces wear and total maintenance cost.
- Energy & Maintenance Optimization: Optimized idler and driven solutions lower power consumption and minimize downtime.
- Product Integrity: Surface treatments and coating options reduce damage risk for sensitive goods.

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REFERENCES

Alliance Healthcare · DHL eCommerce · TURKISH CARGO · NESCAFÉ · Turbel Baking Pans & Coatings AN AMERICAN PAN COMPANY · trendyol.com · iGA · armacell engineered foams · CEVA LOGISTICS · SHANGRI-LA HOTELS and RESORTS · KUNZELMANN LOGISTIK GmbH · JW MARRIOTT

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