

Elastic round belts

E-RB-K+R

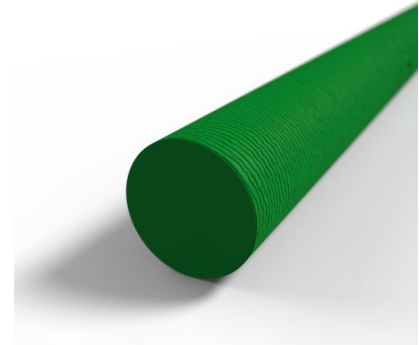


Main application

Live roller drive belt, Power transmission belt

Description

Elastic, Monolithic Belt, High grip surface, Abrasion resistant, Flexibility in all directions, Simple and fast joining method



Product data

Technical data	
Material type	TPU Polyester
Hardness	90 ShA
Geometry option	Rough
Temperature correction factor	0.85
Min. operating temperature admissible (continuous)	-20 °C
Max. operating temperature admissible (continuous)	50 °C
Coefficient of friction on steel	0.40

Code	Item number	Color	Food grade	Ø		Weight	
				mm	kg/m	lbs/ft	
E-RB03-KG-C300+R	H090031359	Green	No	3	0.01	0.01	
E-RB04-KG-C250+R	H090031358	Green	No	4	0.01	0.01	
E-RB05-KG-C250+R	H090031360	Green	No	5	0.02	0.01	
E-RB06-KG-C250+R	H090031361	Green	No	6	0.03	0.02	
E-RB08-KG-C200+R	H090031363	Green	No	8	0.06	0.04	
E-RB12-KG-C100+R	S090031365	Green	No	12	0.13	0.09	
E-RB15-KG-C50+R	H090031366	Green	No	15	0.21	0.14	

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

Code	Tensile force for 8% elongation (k8% static) (Habasit Standard SOP3-155 / EN ISO 21181):	Tensile force for 8% elongation after relaxation (k8% relaxed) (Habasit Standard SOP3-155 / EN ISO 21181):	Nominal peripheral force	Pulley diameter (minimum)	Minimum pulley diameter running side
	N	N	N	mm	mm
E-RB03-KG-C300+R	18	13	23	30	30
E-RB04-KG-C250+R	32	24	41	40	40
E-RB05-KG-C250+R	51	37	65	50	50
E-RB06-KG-C250+R	73	53	93	60	60
E-RB08-KG-C200+R	129	94	165	80	80
E-RB12-KG-C100+R	291	212	372	120	120
E-RB15-KG-C50+R	455	331	582	150	150

Chemical resistance

Link to 'Chemical resistance information': <https://rims.habasit.com>

Recommendation

General dimensional tolerance: $\pm 3\%$ or ± 0.20 mm (whichever is greater).

Given one section of product, the rough finishing coverage will be $>75\%$

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