

# Elastic round belts

## E-RB-K

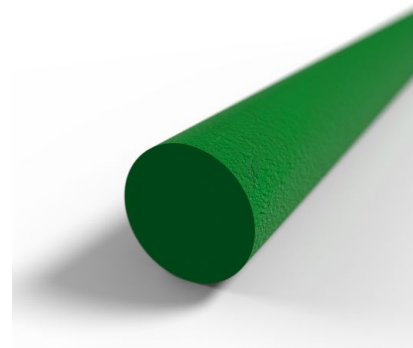


### Main application

Live roller drive belt, Power transmission belt

### Description

Elastic, Monolithic Belt, Flexibility in all directions



### Product data

Technical data	
Material type	TPU Polyester
Hardness	90 ShA
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-RB02-KG-C600	H090031303	Green	No	2	0.00	0.00	
E-RB03-KG-C300	H090031306	Green	No	3	0.01	0.01	
E-RB04-KG-C250	H090031309	Green	No	4	0.01	0.01	
E-RB04-KB-C250	H950028261	Black	No	4			
E-RB05-KG-C250	H090031312	Green	No	5	0.02	0.01	
E-RB05-KB-C250	H090031212	Black	No	5	0.02	0.01	
E-RB06-KG-C250	H090031315	Green	No	6	0.03	0.02	
E-RB07-KG-C200	H090031318	Green	No	7	0.05	0.03	
E-RB08-KG-C200	H090031321	Green	No	8	0.06	0.04	
E-RB10-KG-C100	H090031327	Green	No	10	0.09	0.06	
E-RB12-KG-C100	H090031333	Green	No	12	0.13	0.09	
E-RB15-KG-C50	H090031342	Green	No	15	0.21	0.14	
E-RB18-KG-C50	H090031343	Green	No	18	0.30	0.20	
E-RB20-KG-C50 (hollow: ext Ø20 / int Ø7mm)	H090031357	Green	No	20	0.37	0.25	

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-RB02-KG-C600	8	6	10	20	20
E-RB03-KG-C300	18	13	23	30	30
E-RB04-KG-C250	32	24	41	40	40
E-RB04-KB-C250	32	24	41	40	40
E-RB05-KG-C250	51	37	65	50	50
E-RB05-KB-C250	51	37	65	50	50
E-RB06-KG-C250	73	53	93	60	60
E-RB07-KG-C200	99	72	127	70	70
E-RB08-KG-C200	129	94	165	80	80
E-RB10-KG-C100	202	147	258	100	100
E-RB12-KG-C100	291	212	372	120	120
E-RB15-KG-C50	455	331	582	150	150
E-RB18-KG-C50	655	476	837	180	180
E-RB20-KG-C50 (hollow: ext Ø20 / int Ø7mm)	352	484	907	200	200

### Chemical resistance

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

### Recommendation

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

### Disclaimer

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