






Round belts

- yes
- no

Product Group	Belt Type	Technical Data										Joining System	Product Construction / Design				Product Characteristics		Chemical Resistance Class		
		Diameter		Mass of belt (belt weight)		Pulley diameter (minimum)		Elongation (k8% static per unit of width (Habasit standard 320.063)		Nominal peripheral force per unit of width			Coefficient of friction on driving pulley of steel	Standard	Friction cover			Traction Layer		Shore Hardness	Permanently antistatic
		mm Ø	in	kg/m	lbs/ft	mm	in	N/mm	lbs/in	N	lbs				Material	Surface	Color				
Polycord round belt	R-2	2	0.08	0.004	0.003	20	0.8	6.0	1	4	1	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green	Polyurethane thermoplastic (TPU)	90	-	6	
	R-3	3	0.12	0.009	0.006	30	1.2	13.0	3	9	2	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green (Habasit green)	Polyurethane thermoplastic (TPU)	90	-	6	
	R-4	4	0.16	0.015	0.010	40	1.6	22.0	5	15	3	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green (Habasit green)	Polyurethane thermoplastic (TPU)	90	-	6	
	R-5	5	0.20	0.024	0.016	50	2.0	35.0	8	24	5	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green (Habasit green)	Polyurethane thermoplastic (TPU)	90	-	6	
	R-6	6	0.24	0.034	0.023	60	2.4	50.0	11	34	8	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green (Habasit green)	Polyurethane thermoplastic (TPU)	90	-	6	
	R-7	7	0.28	0.046	0.031	70	2.8	70.0	16	46	10	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green (Habasit green)	Polyurethane thermoplastic (TPU)	90	-	6	
	R-8	8	0.32	0.060	0.040	80	3.1	90.0	20	60	13	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green (Habasit green)	Polyurethane thermoplastic (TPU)	90	-	6	
	R-10	10	0.39	0.094	0.063	100	3.9	140.0	31	94	21	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green (Habasit green)	Polyurethane thermoplastic (TPU)	90	-	6	
	R-12	12	0.47	0.136	0.091	120	4.7	200.0	45	136	31	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green (Habasit green)	Polyurethane thermoplastic (TPU)	90	-	6	
	R-15	15	0.59	0.212	0.143	150	5.9	315.0	71	212	48	0.3	Quickmelt	Polyurethane thermoplastic (TPU)	Rough structure	Green (Habasit green)	Polyurethane thermoplastic (TPU)	90	-	6	

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Round belts

Product Group	Belt Type	Technical Data											Explanations		
		Diameter mm Ø	Material	Reinforced	Shore A	FDA/USDA conformable	Permanently antistatic	Mass of belt per meter (belt weight) m _R * (g/m)	Pulley diameter minimum d _{min} (mm) 	Tensile force for 8% elongation k8% N 	Nominal peripheral force F _{UN} N	Operating temperature ¹⁾ admissible continuous °C °F 		Coefficient of friction μ on steel pulleys ²⁾ 	Coil length: Tolerance +1 %/-0% 
Habicord round belts	Habicord 3	3	Polyurethane	-	85	-	-	8	30	17	12	-20/50	-4/122	0.5	300
	Habicord 4	4	Polyurethane	-	85	-	-	17	40	21	15	-20/50	-4/122	0.5	250
	Habicord 5	5	Polyurethane	-	85	-	-	25	50	35	25	-20/50	-4/122	0.5	250
	Habicord 6	6	Polyurethane	-	85	-	-	35	60	49	35	-20/50	-4/122	0.5	250
	Habicord 7	7	Polyurethane	-	85	-	-	48	70	70	50	-20/50	-4/122	0.5	200
	Habicord 8	8	Polyurethane	-	85	-	-	58	80	80	60	-20/50	-4/122	0.5	200
	Habicord 10	10	Polyurethane	-	85	-	-	96	100	146	100	-20/50	-4/122	0.5	100
	Habicord 12	12	Polyurethane	-	85	-	-	131	120	200	140	-20/50	-4/122	0.5	100
	Habicord 15	15	Polyurethane	-	85	-	-	208	150	250	175	-20/50	-4/122	0.5	50
	Habicord 20/7	20/7	Polyurethane	-	85	-	-	290	200	350	240	-20/50	-4/122	0.5	50
Smooth Habicord	Habicord 8 smooth	8	Polyurethane	-	85	-	-	60	80	150	115	-20/50	-4/122	0.6	200
	Habicord 10 smooth	10	Polyurethane	-	85	-	-	94	100	225	175	-20/50	-4/122	0.6	100
	Habicord 12 smooth	12	Polyurethane	-	85	-	-	133	120	330	255	-20/50	-4/122	0.6	100
Rough Habicord	Habicord 3 rough	3	Polyurethane	-	85	-	-	9	30	17	10	-20/50	-4/122	0.4	300
	Habicord 4 rough	4	Polyurethane	-	85	-	-	15	40	30	20	-20/50	-4/122	0.4	250
	Habicord 5 rough	5	Polyurethane	-	85	-	-	24	50	48	30	-20/50	-4/122	0.4	250
	Habicord 6 rough	6	Polyurethane	-	85	-	-	34	60	73	45	-20/50	-4/122	0.4	250
	Habicord 8 rough	8	Polyurethane	-	85	-	-	57	80	125	75	-20/50	-4/122	0.4	200
	Habicord 15 rough	15	Polyurethane	-	85	-	-	200	150	250	175	-20/50	-4/122	0.4	100
Reinforced Habicord RB	Habicord RB 10	10	Polyurethane	●	85	-	-	95	100	150 ³⁾	200	-20/50	-4/122	0.7	100
	Habicord RB 12	12	Polyurethane	●	85	-	-	136	120	220 ³⁾	230	-20/50	-4/122	0.7	100
Extraelastic	Extra-Elastic 5	5	Polyurethane	-	75	-	-	25	50	30	20	-20/50	-4/122	0.4	250
	Extra-Elastic 6	6	Polyurethane	-	75	-	-	36	60	48	30	-20/50	-4/122	0.4	250
Polywhite	Polywhite 3	3	Polyurethane	-	85	-	-	10	30	19	15	-20/50	-4/122	0.4	300
	Polywhite 4	4	Polyurethane	-	85	-	-	16	40	30	20	-20/50	-4/122	0.4	250
	Polywhite 5	5	Polyurethane	-	85	-	-	25	50	50	35	-20/50	-4/122	0.4	250
	Polywhite 6	6	Polyurethane	-	85	-	-	36	60	75	50	-20/50	-4/122	0.4	250
	Polywhite 7	7	Polyurethane	-	85	-	-	46	70	96	65	-20/50	-4/122	0.4	200
	Polywhite 8	8	Polyurethane	-	85	-	-	60	80	139	100	-20/50	-4/122	0.4	200
	Polywhite 10	10	Polyurethane	-	85	-	-	94	100	239	160	-20/50	-4/122	0.4	100
	Polywhite 12	12	Polyurethane	-	85	-	-	97	120	295	200	-20/50	-4/122	0.4	100
Polywhite 15	15	Polyurethane	-	85	-	-	208	150	550	380	-20/50	-4/122	0.4	50	

● yes
- no

All indications are approximate values under standard climatic conditions of 23°C/73°F and 50% humidity (DIN 50005/ISO 554).

Class of chemical resistance: 6

¹⁾ If used in the high temperature range, the service life of the belt is reduced.

²⁾ No calculation value

³⁾ For 1% elongation

Other colors on request and depending on the order quantity