

Power transmission belts

● yes
- no

Product Group	Product Sub-Group	Belt Type	Technical Data																Joining System	Product Construction/Design						Product Characteristic		Chemical Resistance Class		
			Thickness		Pulley diameter (minimum)		Pulley diameter (minimum) with counter flexion		Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard 320.013)		Nominal peripheral force per unit of width		Operating temperature admissible (continuous) /Min.		Operating temperature admissible (continuous) /Max.		Seamless manufacturing width			Standard	Friction cover			Traction Layer	Reverse cover				Drive determination	Permanently antistatic
			mm	in	mm	in	mm	in	N/mm	lbs/in	N/mm	lbs/in	°C	°F	°C	°F	mm	in			Material	Surface	Color		Material	Material	Surface			
Polyamide power transmission belts	S-Tangential/flat belts	S-10/15	1.5	0.06	25	1.0	25	1.0	3.9	22	10	57	-20	-4	100	212	2400	94	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Light green	Double-sided power transmission	●	2	
		S-18/20	2.0	0.08	60	2.4	60	2.4	7.5	43	18	103	-20	-4	100	212	2400	94	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Light green	Double-sided power transmission	●	2	
		S-18/30	3.0	0.12	60	2.4	60	2.4	7.6	43	18	103	-20	-4	100	212	2400	94	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Light green	Double-sided power transmission	●	2	
		S-33/30	3.0	0.12	110	4.3	110	4.3	12.5	71	33	103	-20	-4	100	212	2400	94	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Light green	Double-sided power transmission	●	2	
		S-33/40	4.0	0.16	110	4.3	110	4.3	12.5	71	33	188	-20	-4	100	212	2400	94	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Light green	Double-sided power transmission	●	2	
		S-33/50	5.0	0.20	110	4.3	110	4.3	12.6	72	33	188	-20	-4	100	212	2400	94	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Light green	Double-sided power transmission	●	2	
		S-140H	1.7	0.07	25	1.0	25	1.0	6.0	34	14	80	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Fine structure	Green	Double-sided power transmission	●	2	
		S-141H	2.3	0.09	25	1.0	25	1.0	6.0	34	14	80	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Fine structure	Green	Double-sided power transmission	●	2	
		S-250H	2.3	0.09	60	2.4	60	2.4	12.0	69	25	143	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Fine structure	Green	Double-sided power transmission	●	2	
		S-250HR	2.6	0.10	60	2.4	60	2.4	12.0	69	25	143	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Green	Double-sided power transmission	●	2	
		S-251H	3.0	0.12	60	2.4	60	2.4	12.0	69	25	143	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Green	Double-sided power transmission	●	2	
		S-321H	3.2	0.13	100	4.0	100	4.0	15.0	86	32	183	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Green	Double-sided power transmission	●	2	
		S-390H	3.2	0.13	120	4.7	120	4.7	17.0	97	39	223	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Green	Double-sided power transmission	●	2	
S-391H	4.0	0.16	120	4.7	120	4.7	17.0	97	39	223	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Yellow	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)	Rough structure	Green	Double-sided power transmission	●	2			

See separate overview
Pages 70-73

Machine tapes

● yes
- no

Product Group	Belt Type	Technical Data																Joining System	Product Construction/Design												Product Characteristic	Chemical Resistance Class	
		Thickness		Pulley diameter (minimum)		Pulley diameter (minimum) with counter flection		Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard 320.064) (*k8% static) (Habasit standard 320.063)		Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard 320.013)		Operating temperature admissible (continuous) Min.		Operating temperature admissible (continuous) Max.		Coefficient of friction on driving pulley of steel Seamless manufacturing width			Standard	Conveying Side				Traction Layer				Running Side					
		mm	in	mm	in	mm	in	N/mm	lbs/in	N/mm	lbs/in	°C	°F	°C	°F	mm	in			Material	Surface	Property	Color	Material	Nr. of Fabrics	Material	Surface	Property	Color	Material			Surface
Polyamide machine tapes	A-1	1.2	0.05	25	1.0	25	1.0	6.5	37	-	-	-20	-4	100	212	0.3	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR)	Mat (dull finish)	Adhesive	Green	Polyamide (PA)	2	Polyurethane cross-linked (PUR)	Blank/smooth	Non-adhesive	Black	●	2		
	F-0	0.7	0.03	15	0.6	15	0.6	-	-	5	14	-20	-4	100	212	0.15	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR)	Rough structure	Adhesive	Green	Polyamide (PA)	2	Acrylonitrile-Butadiene-Rubber (NBR)	Impregnated fabric	Non-adhesive	Green	●	2		
	F-1	1.3	0.05	25	1.0	25	1.0	-	-	4.5	26	-20	-4	100	212	0.15	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR)	Rough structure	Adhesive	Green	Polyamide (PA)	2	Acrylonitrile-Butadiene-Rubber (NBR)	Impregnated fabric	Non-adhesive	Green	●	2		
	F-2	1.8	0.07	60	2.4	60	2.4	-	-	7.5	43	-20	-4	100	212	0.15	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR)	Rough structure	Adhesive	Green	Polyamide (PA)	2	Acrylonitrile-Butadiene-Rubber (NBR)	Impregnated fabric	Non-adhesive	Green	●	2		

Power transmission belts

● yes
- no

Product Group	Product Sub-Group	Belt Type	Technical Data																Joining System	Product Construction/Design								Product Characteristic	Chemical Resistance Class	
			Thickness		Pulley diameter (minimum)		Pulley diameter (minimum) with counter flection		Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard 320.013)		Nominal peripheral force per unit of width		Operating temperature admissible (continuous) Min.		Operating temperature admissible (continuous) Max.		Seamless manufacturing width			Standard	Friction cover			Traction Layer		Reverse cover				
			mm	in	mm	in	mm	in	N/mm	lbs/in	N/mm	lbs/in	°C	°F	°C	°F	mm	in			Material	Surface	Color	Material	Material	Surface	Color			Material
Polyamide power transmission belts	A-Flat belts	A-2	2.7	0.11	60	2.4	60	2.4	7.5	43	20	111	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR)	Grooved	Black	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR)	Rough structure	Green	One-sided power transmission	●	2	
		A-3	3.4	0.13	110	4.3	110	4.3	12.5	71	32	183	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR)	Grooved	Black	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR)	Rough structure	Green	One-sided power transmission	●	2	
		A-4	5.0	0.20	240	9.4	240	9.4	22.6	129	53	303	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR)	Grooved	Black	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR)	Rough structure	Green	One-sided power transmission	●	2	
		A-5	6.8	0.27	340	13.4	340	13.4	32.8	187	90	514	-20	-4	100	212	1200	47	Thermofix	Acrylonitrile-Butadiene-Rubber (NBR)	Grooved	Black	Polyamide (PA)	Acrylonitrile-Butadiene-Rubber (NBR)	Rough structure	Green	One-sided power transmission	●	2	
	Leather flat belts	A-2LL	3.1	0.12	80	3.2	80	3.2	3.8	22	15	83	-20	-4	80	176	450	18	Thermofix	Chrome leather	Leather structure	Light grey	Polyamide (PA)	Chrome leather	Leather structure	Light grey	Double-sided power transmission	-	1	
		A-2LT	2.2	0.09	60	2.4	60	2.4	3.8	22	15	83	-20	-4	80	176	450	18	Thermofix	Chrome leather	Leather structure	Light grey	Polyamide (PA)	Polyamide (PA) fabric	Rough structure	Green	One-sided power transmission	-	1	
		A-3LL	4.2	0.17	120	4.7	120	4.7	8.0	46	22	126	-20	-4	80	176	450	18	Thermofix	Chrome leather	Leather structure	Light grey	Polyamide (PA)	Chrome leather	Leather structure	Light grey	Double-sided power transmission	-	1	
		A-3LT	3.2	0.13	110	4.3	110	4.3	8.0	46	22	126	-20	-4	80	176	450	18	Thermofix	Chrome leather	Leather structure	Light grey	Polyamide (PA)	Polyamide (PA) fabric	Rough structure	Green	One-sided power transmission	-	1	
		A-4LL	6.4	0.25	240	9.5	240	9.5	18.0	103	39	223	-20	-4	80	176	580	23	Thermofix	Chrome leather	Leather structure	Light grey	Polyamide (PA)	Chrome leather	Leather structure	Light grey	Double-sided power transmission	-	1	
		A-4LT	4.8	0.19	240	9.5	240	9.5	18.0	103	39	223	-20	-4	80	176	580	23	Thermofix	Chrome leather	Leather structure	Light grey	Polyamide (PA)	Polyamide (PA) fabric	Rough structure	Green	One-sided power transmission	-	1	