



**SUPER FLEX™**  
POLYURETHANE SYNCHRONOUS BELTS



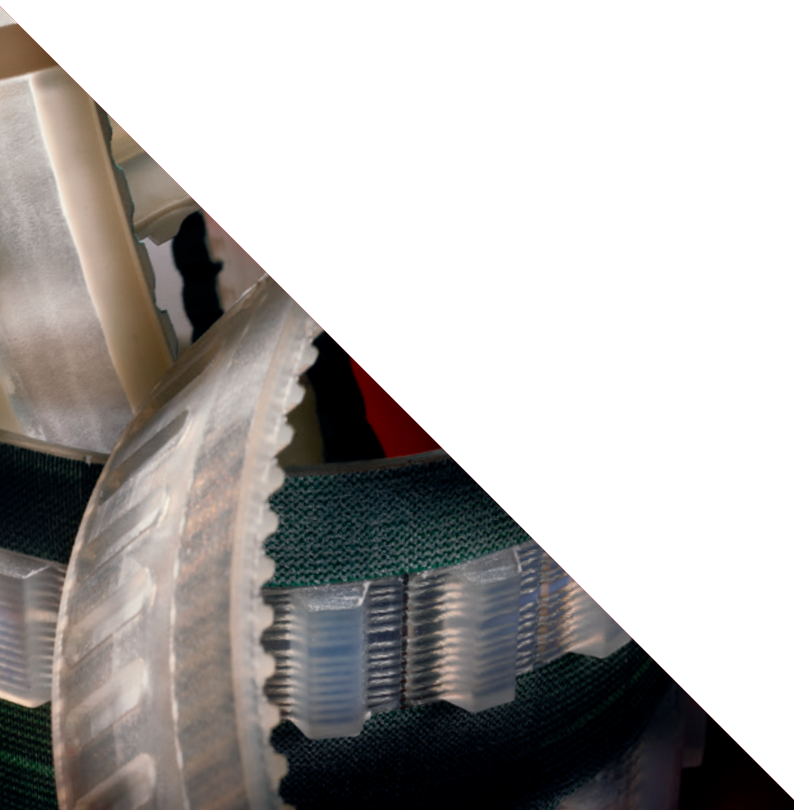
# PITCH SPECIFICATIONS SUPER FLEX™ BELTS



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

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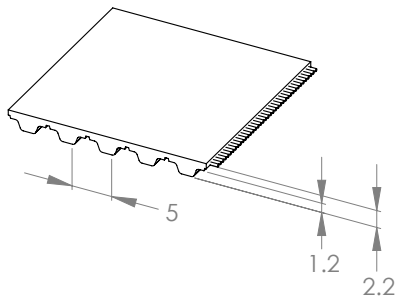
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## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

T5 | Pitch: 5 mm



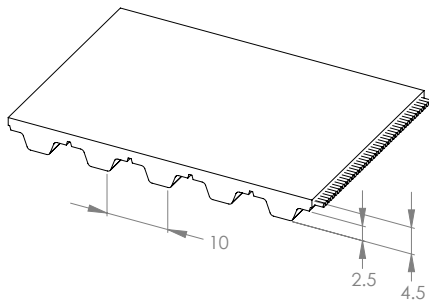
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	10
Minimum Pulley Diameter	15.91 mm
Minimum Back Bend Diameter	30 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	10	16	25	32	50	75	100
Tensile Strength (Average Value) $F_{Break}$ (N)							
Steel	1,250	2,000	3,375	4,250	6,875	10,375	13,875
Allowable Belt Force $F_{fall}$ (N)							
Steel	311	498	840	1,058	1,711	2,582	3,453
Allowable Effective Force $F_{eall}$ (N)							
(Minimum 15 Teeth are in Mesh)	356	570	890	1,139	1,780	2,670	3,560
Specific Belt Mass $m_{sp}$ (kg/m/mm)							
Steel	0.0022						
Specific Belt Stiffness $c_{sp}$ (N)							
Steel	77,778	124,444	210,000	264,444	427,778	645,556	863,333



# SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

**T10** | Pitch: 10 mm



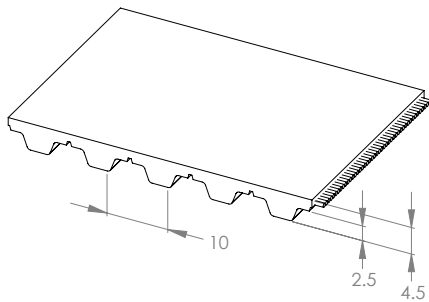
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	14
Minimum Pulley Diameter	44.56 mm
Minimum Back Bend Diameter	80 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	16	25	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)							
Steel	4,200	7,140	9,240	14,700	22,260	29,820	44,940
Allowable Belt Force $F_{fall}$ (N)							
Steel	1,123	1,909	2,470	3,929	5,950	7,971	12,012
Allowable Effective Force $F_{eall}$ (N)							
(Minimum 15 Teeth are in Mesh)	1,082	1,690	2,163	3,380	5,070	6,760	10,140
Specific Belt Mass $m_{sp}$ (kg/m/mm)							
Steel	0.0044						
Specific Belt Stiffness $c_{sp}$ (N)							
Steel	280,662	477,125	617,456	982,316	1,487,507	1,992,699	3,003,081



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

T10-HF | Pitch: 10 mm



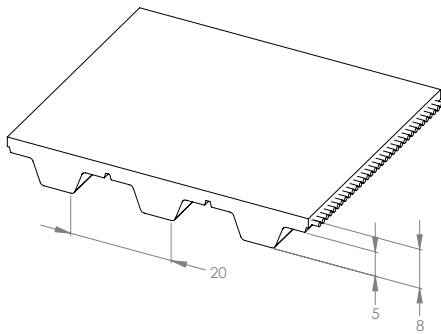
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	12
Minimum Pulley Diameter	38.2 mm
Minimum Back Bend Diameter	60 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	16	25	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)							
Steel	6,200	10,540	13,640	21,700	32,860	44,020	66,340
Allowable Belt Force $F_{fall}$ (N)							
Steel	1,376	2,340	3,028	4,818	7,295	9,773	14,728
Allowable Effective Force $F_{eall}$ (N)							
(Minimum 15 Teeth are in Mesh)	1,082	1,690	2,163	3,380	5,070	6,760	10,140
Specific Belt Mass $m_{sp}$ (kg/m/mm)							
Steel	0.0047						
Specific Belt Stiffness $c_{sp}$ (N)							
Steel	344,118	585,000	757,059	1,204,412	1,823,824	2,443,235	3,682,059



# SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

**T20** | Pitch: 20 mm



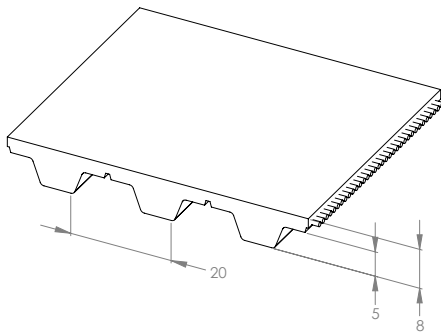
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	15
Minimum Pulley Diameter	95.49 mm
Minimum Back Bend Diameter	120 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,760 mm

Standard Width (mm)	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	18,050	29,450	44,650	59,850	90,250
Allowable Belt Force $F_{all}$ (N)					
Steel	4,739	7,731	11,722	15,712	23,693
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	4,045	6,320	9,480	12,640	18,960
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0075				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	1,184,650	1,932,850	2,930,450	3,928,050	5,923,250



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

T20-HF | Pitch: 20 mm



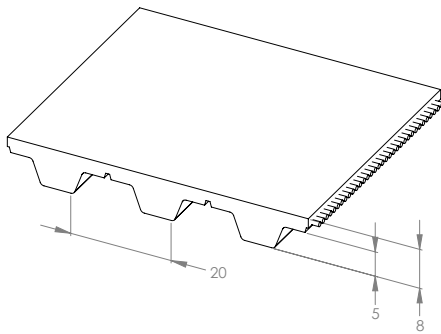
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	12
Minimum Pulley Diameter	76.39 mm
Minimum Back Bend Diameter	100 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,760 mm

Standard Width (mm)	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	16,435	26,815	40,655	54,495	82,175
Allowable Belt Force $F_{1all}$ (N)					
Steel	4,378	7,142	10,829	14,515	21,888
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	4,045	6,320	9,480	12,640	18,960
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0072				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	1,094,400	1,785,600	2,707,200	3,628,800	5,472,000



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

### T20-NIRO | Pitch: 20 mm



Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	20
Minimum Pulley Diameter	127.32 mm
Minimum Back Bend Diameter	160 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,760 mm

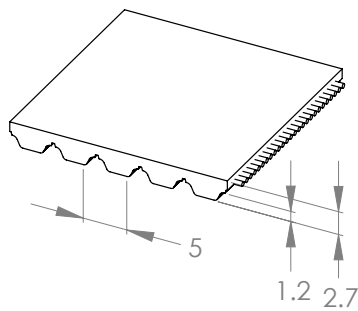
Standard Width (mm)	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	13,538	22,088	33,488	44,888	67,688
Allowable Belt Force $F_{all}$ (N)					
Steel	3,554	5,799	8,791	11,784	17,770
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	4,045	6,320	9,480	12,640	18,960
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0074				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	888,488	1,449,638	2,197,838	2,946,038	4,442,438





## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

**AT5 | Pitch: 5 mm**



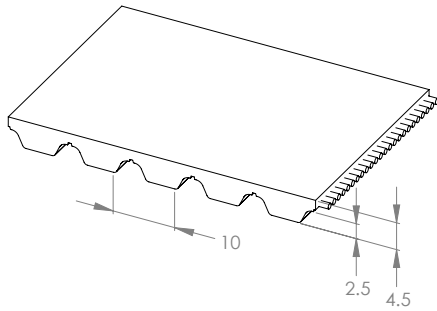
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	15
Minimum Pulley Diameter	23.87 mm
Minimum Back Bend Diameter	60 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	10	16	25	32	50	75	100
Tensile Strength (Average Value) $F_{Break}$ (N)							
Steel	2,565	4,275	7,125	9,120	14,535	21,945	29,355
Allowable Belt Force $F_{fall}$ (N)							
Steel	634	1,056	1,761	2,253	3,591	5,422	7,253
Allowable Effective Force $F_{eall}$ (N)							
(Minimum 15 Teeth are in Mesh)	516	826	1,290	1,651	2,580	3,870	5,160
Specific Belt Mass $m_{sp}$ (kg/m/mm)							
Steel	0.0033						
Specific Belt Stiffness $c_{sp}$ (N)							
Steel	158,445	264,075	440,125	563,360	897,855	1,355,585	1,813,315



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

**AT10** | Pitch: 10 mm



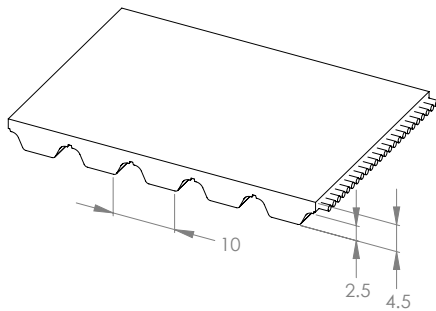
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	15
Minimum Pulley Diameter	47.75 mm
Minimum Back Bend Diameter	120 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	25	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)						
Steel	14,250	18,050	29,450	44,650	59,850	90,250
Allowable Belt Force $F_{i,all}$ (N)						
Steel	3,741	4,739	7,731	11,722	15,712	23,693
Allowable Effective Force $F_{e,all}$ (N)						
(Minimum 15 Teeth are in Mesh)	2,580	3,302	5,160	7,740	10,320	15,480
Specific Belt Mass $m_{sp}$ (kg/m/mm)						
Steel	0.0057					
Specific Belt Stiffness $c_{sp}$ (N)						
Steel	935,250	1,184,650	1,932,850	2,930,450	3,928,050	5,923,250



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

AT10-HF | Pitch: 10 mm



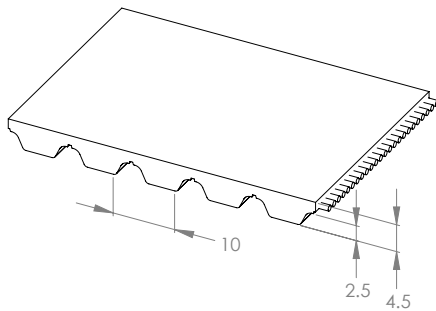
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	12
Minimum Pulley Diameter	38.20 mm
Minimum Back Bend Diameter	100 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	25	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)						
Steel	12,975	16,435	26,815	40,655	54,495	82,175
Allowable Belt Force $F_{i,all}$ (N)						
Steel	3,456	4,378	7,142	10,829	14,515	21,888
Allowable Effective Force $F_{e,all}$ (N)						
(Minimum 15 Teeth are in Mesh)	2,580	3,302	5,160	7,740	10,320	15,480
Specific Belt Mass $m_{sp}$ (kg/m/mm)						
Steel	0.0055					
Specific Belt Stiffness $c_{sp}$ (N)						
Steel	864,000	1,094,400	1,785,600	2,707,200	3,628,800	5,472,000



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

### AT10-NIRO | Pitch: 10 mm



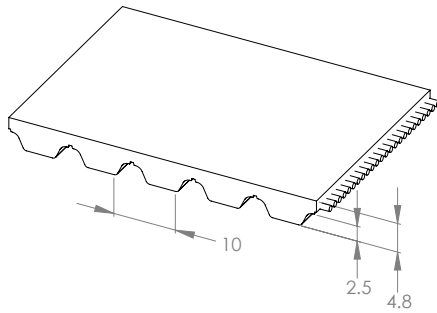
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	20
Minimum Pulley Diameter	63.66 mm
Minimum Back Bend Diameter	160 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	25	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)						
Steel	10,688	13,538	22,088	33,488	44,888	67,668
Allowable Belt Force $F_{i,all}$ (N)						
Steel	2,806	3,554	5,799	8,791	11,784	17,770
Allowable Effective Force $F_{e,all}$ (N)						
(Minimum 15 Teeth are in Mesh)	2,580	3,302	5,160	7,740	10,320	15,480
Specific Belt Mass $m_{sp}$ (kg/m/mm)						
Steel	0.0057					
Specific Belt Stiffness $c_{sp}$ (N)						
Steel	701,438	888,488	1,449,638	2,197,838	2,946,038	4,442,438



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

**ATL10** | Pitch: 10 mm



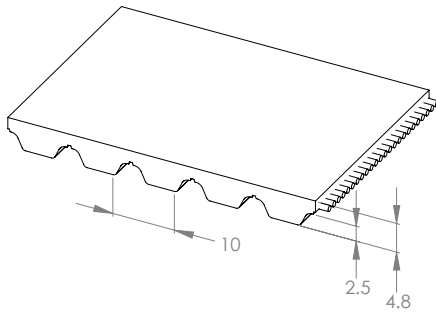
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	25
Minimum Pulley Diameter	79.58 mm
Minimum Back Bend Diameter	150 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	25	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)						
Steel	20,760	25,950	43,250	65,740	88,230	133,210
Allowable Belt Force $F_{i,all}$ (N)						
Steel	5,079	6,348	10,581	16,082	21,584	32,588
Allowable Effective Force $F_{e,all}$ (N)						
(Minimum 15 Teeth are in Mesh)	2,580	3,302	5,160	7,740	10,320	15,480
Specific Belt Mass $m_{sp}$ (kg/m/mm)						
Steel	0.0067					
Specific Belt Stiffness $c_{sp}$ (N)						
Steel	1,269,666	1,587,083	2,645,138	4,020,609	5,396,081	8,147,024



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

ATL10-HF | Pitch: 10 mm



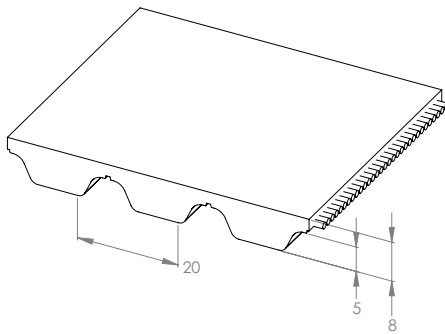
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	20
Minimum Pulley Diameter	63.66 mm
Minimum Back Bend Diameter	130 mm
Standard Lengths	1,520–12,000 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	25	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)						
Steel	23,100	28,875	48,125	73,150	98,175	148,225
Allowable Belt Force $F_{i,all}$ (N)						
Steel	4,402	5,502	9,170	13,939	18,708	28,245
Allowable Effective Force $F_{e,all}$ (N)						
(Minimum 15 Teeth are in Mesh)	2,580	3,302	5,160	7,740	10,320	15,480
Specific Belt Mass $m_{sp}$ (kg/m/mm)						
Steel	0.0072					
Specific Belt Stiffness $c_{sp}$ (N)						
Steel	1,100,450	1,375,563	2,292,604	3,484,758	4,676,913	7,061,221



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

**AT20** | Pitch: 20 mm



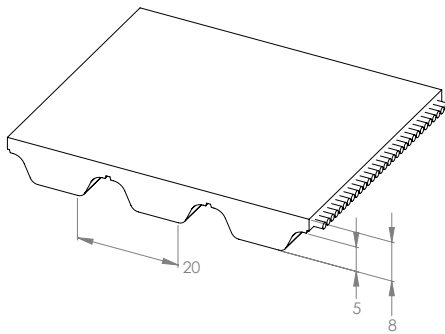
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	18
Minimum Pulley Diameter	114.59 mm
Minimum Back Bend Diameter	180 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,760 mm

Standard Width (mm)	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	25,950	43,250	65,740	88,230	133,210
Allowable Belt Force $F_{1all}$ (N)					
Steel	6,530	10,883	16,542	22,201	33,519
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	6,950	10,860	16,290	21,720	32,580
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0097				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	1,632,428	2,720,713	4,135,484	5,550,255	8,379,797



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

AT20-HF | Pitch: 20 mm



Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	18
Minimum Pulley Diameter	114.59 mm
Minimum Back Bend Diameter	150 mm
Standard Lengths	1,520–12,000 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,760 mm

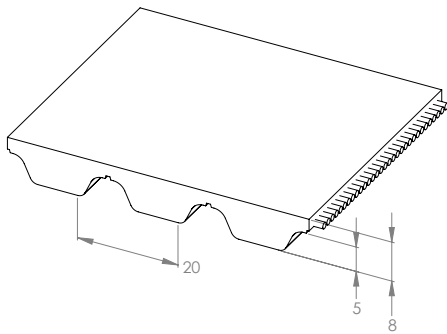
Standard Width (mm)	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	28,875	48,125	73,150	98,175	148,225
Allowable Belt Force $F_{all}$ (N)					
Steel	5,659	9,432	14,337	19,242	29,052
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	6,950	10,860	16,290	21,720	32,580
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0101				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	1,414,864	2,358,107	3,584,322	4,810,538	7,262,969





## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

**ATL20** | Pitch: 20 mm



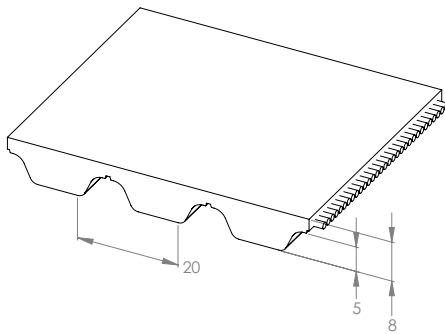
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	25
Minimum Pulley Diameter	159.15 mm
Minimum Back Bend Diameter	250 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,760 mm

Standard Width (mm)	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	32,000	54,400	83,200	112,000	172,800
Allowable Belt Force $F_{all}$ (N)					
Steel	7,918	13,461	20,587	27,714	42,758
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	6,950	10,860	16,290	21,720	32,580
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0108				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	1,979,545	3,365,227	5,146,817	6,928,408	10,689,543



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

**ATL20-NIRO** | Pitch: 20 mm



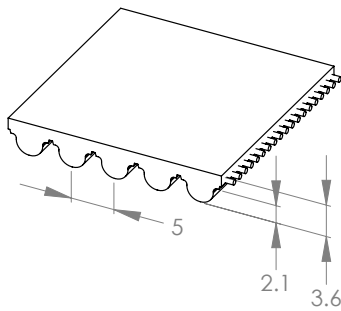
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	26
Minimum Pulley Diameter	165.52 mm
Minimum Back Bend Diameter	260 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,760 mm

Standard Width (mm)	32	50	75	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	22,500	38,250	58,500	78,750	121,500
Allowable Belt Force $F_{all}$ (N)					
Steel	6,110	10,388	15,887	21,386	32,996
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	6,950	10,860	16,290	21,720	32,580
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0106				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	1,527,600	2,596,920	3,971,760	5,346,600	8,249,040



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

HTD®5 | Pitch: 5 mm



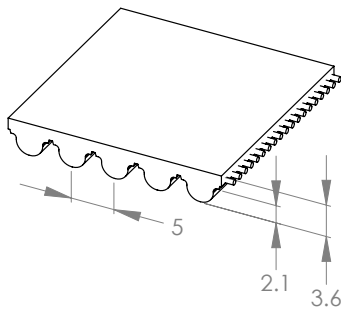
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	16
Minimum Pulley Diameter	25.46 mm
Minimum Back Bend Diameter	80 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	25	50	75	100
Tensile Strength (Average Value) $F_{Break}$ (N)				
Steel	7,410	14,700	22,260	29,820
Allowable Belt Force $F_{1all}$ (N)				
Steel	1,909	3,929	5,950	7,971
Allowable Effective Force $F_{eall}$ (N)				
(Minimum 15 Teeth are in Mesh)	1,020	2,040	3,060	4,080
Specific Belt Mass $m_{sp}$ (kg/m/mm)				
Steel	0.0044			
Specific Belt Stiffness $c_{sp}$ (N)				
Steel	477,135	982,316	1,487,507	1,992,699



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

HTD®L5 | Pitch: 5 mm



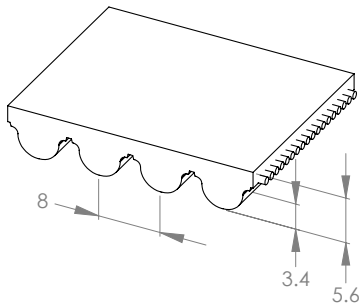
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	14
Minimum Pulley Diameter	22.28 mm
Minimum Back Bend Diameter	60 mm
Standard Lengths	1,520–12,000 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	25	50	75	100
Tensile Strength (Average Value) $F_{Break}$ (N)				
Steel	10,540	21,700	32,860	44,020
Allowable Belt Force $F_{1all}$ (N)				
Steel	2,340	4,818	7,295	9,773
Allowable Effective Force $F_{eall}$ (N)				
(Minimum 15 Teeth are in Mesh)	1,020	2,040	3,060	4,080
Specific Belt Mass $m_{sp}$ (kg/m/mm)				
Steel	0.0049			
Specific Belt Stiffness $c_{sp}$ (N)				
Steel	585,000	1,204,412	1,823,824	2,443,235



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

HTD®8 | Pitch: 8 mm



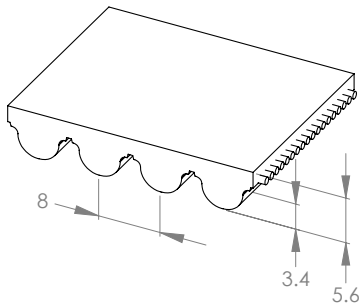
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	20
Minimum Pulley Diameter	50.93 mm
Minimum Back Bend Diameter	120 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,752 mm

Standard Width (mm)	25	32	50	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	14,250	18,050	29,450	59,850	90,250
Allowable Belt Force $F_{all}$ (N)					
Steel	3,741	4,739	7,731	15,712	23,693
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	1,870	2,394	3,740	7,480	11,220
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0069				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	935,250	1,184,650	1,932,850	3,928,050	5,923,250



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

HTD®8-HF | Pitch: 8 mm



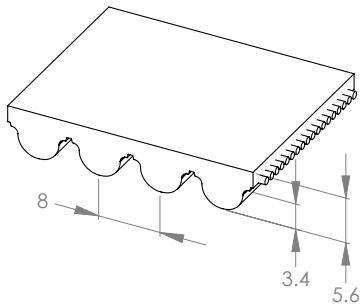
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	16
Minimum Pulley Diameter	40.74 mm
Minimum Back Bend Diameter	100 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,752 mm

Standard Width (mm)	25	32	50	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	12,975	16,435	26,815	54,495	82,175
Allowable Belt Force $F_{1all}$ (N)					
Steel	3,456	4,378	7,142	14,515	21,888
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	1,870	2,394	3,740	7,480	11,220
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0066				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	864,000	1,094,400	1,785,600	3,628,800	5,472,000



# SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

HTD®8-NIRO | Pitch: 8 mm



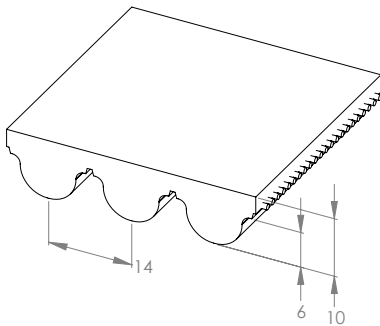
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	25
Minimum Pulley Diameter	63.66 mm
Minimum Back Bend Diameter	150 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,752 mm

Standard Width (mm)	25	32	50	100	150
Tensile Strength (Average Value) $F_{Break}$ (N)					
Steel	10,688	13,538	22,088	44,888	67,688
Allowable Belt Force $F_{1all}$ (N)					
Steel	2,806	3,554	5,799	11,784	17,770
Allowable Effective Force $F_{eall}$ (N)					
(Minimum 15 Teeth are in Mesh)	1,870	2,394	3,740	7,480	11,220
Specific Belt Mass $m_{sp}$ (kg/m/mm)					
Steel	0.0068				
Specific Belt Stiffness $c_{sp}$ (N)					
Steel	701,438	888,488	1,449,638	2,946,038	4,442,438



## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

HTD®14 | Pitch: 14 mm



Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	28
Minimum Pulley Diameter	124.78 mm
Minimum Back Bend Diameter	200 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	100 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

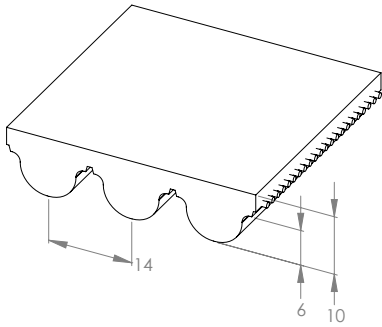
Standard Width (mm)	25	40	55	85	115	170
Tensile Strength (Average Value) $F_{Break}$ (N)						
Steel	20,760	32,870	46,710	74,390	100,340	150,510
Allowable Belt Force $F_{i,all}$ (N)						
Steel	5,156	8,164	11,601	18,476	24,921	37,381
Allowable Effective Force $F_{e,all}$ (N)						
(Minimum 15 Teeth are in Mesh)	3,430	5,488	7,546	11,662	15,778	23,324
Specific Belt Mass $m_{sp}$ (kg/m/mm)						
Steel	0.0108					
Specific Belt Stiffness $c_{sp}$ (N)						
Steel	1,289,000	2,040,917	2,900,250	4,618,917	6,230,167	9,345,250





## SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

HTD®14-HF | Pitch: 14 mm



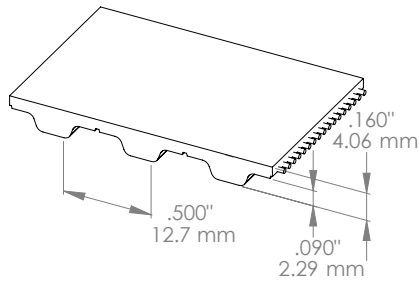
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	23
Minimum Pulley Diameter	102.50 mm
Minimum Back Bend Diameter	160 mm
Standard Lengths	1,520–12,000 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,750 mm

Standard Width (mm)	25	40	55	85	115	170
Tensile Strength (Average Value) $F_{Break}$ (N)						
Steel	23,100	36,575	51,975	82,775	111,650	167,475
Allowable Belt Force $F_{i,all}$ (N)						
Steel	4,470	7,077	10,056	16,016	21,603	32,404
Allowable Effective Force $F_{e,all}$ (N)						
(Minimum 15 Teeth are in Mesh)	3,430	5,488	7,546	11,662	15,778	23,324
Specific Belt Mass $m_{sp}$ (kg/m/mm)						
Steel	0.0111					
Specific Belt Stiffness $c_{sp}$ (N)						
Steel	1,117,380	1,769,185	2,514,105	4,003,945	5,400,670	8,101,005



# SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

H | Pitch: 12.7 mm



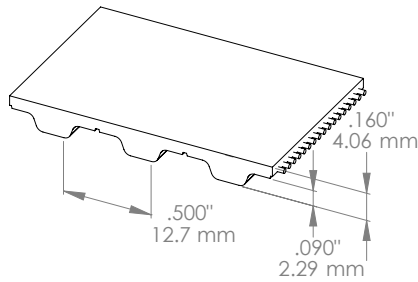
Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	14
Minimum Pulley Diameter	56.60 mm
Minimum Back Bend Diameter	79.4 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	101.6 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,752.6 mm

Standard Width (mm)	12.7	19.05	25.4	38.1	50.8	76.2	101.6	152.4
Tensile Strength (Average Value) $F_{Break}$ (N)								
Steel	3,360	5,040	7,140	10,920	14,700	22,260	29,820	44,940
Allowable Belt Force $F_{fall}$ (N)								
Steel	898	1,347	1,909	2,919	3,929	5,950	7,971	12,012
Allowable Effective Force $F_{eall}$ (N)								
(Minimum 15 Teeth are in Mesh)	980	1,470	1,960	2,940	3,920	5,880	7,840	11,760
Specific Belt Mass $m_{sp}$ (kg/m/mm)								
Steel	0.0040							
Specific Belt Stiffness $c_{sp}$ (N)								
Steel	224,529	336,794	477,125	729,721	982,316	1,487,507	1,992,699	3,003,081



# SUPER FLEX™ BELTS TRULY ENDLESS FLEX BELTS

**H-HF | Pitch: 12.7 mm**

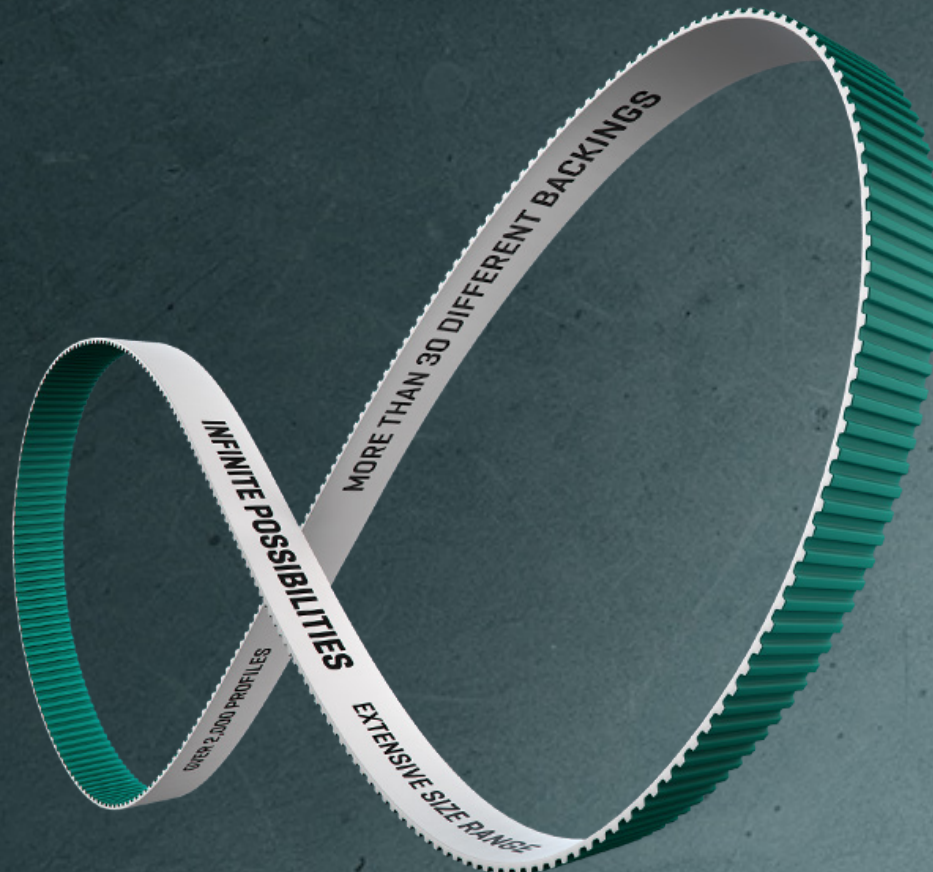


Specifications	
Standard Colour	White
Width Tolerance up to 50 mm Width > 50 mm Width	± 0.5 mm ± 0.75 mm
Minimum Number of Pulley Teeth $z_{min}$	12
Minimum Pulley Diameter	48.51 mm
Minimum Back Bend Diameter	60.3 mm
Standard Lengths	1,520–24,000 mm
Maximum Width for Belt Length > 12,000 mm	101.6 mm
Minimum Belt Length for Belts with Fabric on Tooth Side	1,752.6 mm

Standard Width (mm)	12.7	19.05	25.4	38.1	50.8	76.2	101.6	152.4
Tensile Strength (Average Value) $F_{Break}$ (N)								
Steel	4,960	7,440	10,540	16,120	21,700	32,860	44,020	66,340
Allowable Belt Force $F_{fall}$ (N)								
Steel	1,101	1,652	2,340	3,579	4,818	7,295	9,773	14,728
Allowable Effective Force $F_{eall}$ (N)								
(Minimum 15 Teeth are in Mesh)	980	1,470	1,960	2,940	3,920	5,880	7,840	11,760
Specific Belt Mass $m_{sp}$ (kg/m/mm)								
Steel	0.0043							
Specific Belt Stiffness $c_{sp}$ (N)								
Steel	275,294	412,941	585,000	894,706	1,204,412	1,823,824	2,443,235	3,682,059



**POWERING PROGRESS™**



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