



SPECIFICATION SHEETS FOR OPEN ENDED TIMING BELTS

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ALL VALUES ARE GUIDELINES BASED ON TENSION MEMBERS AND LABORATORY TESTING. THIS GUIDE DOES NOT COVER ALL POSSIBLE BELT LAYOUTS AND ENVIRONMENTAL CONDITIONS. PLEASE CONTACT US TO REVIEW YOUR APPLICATION AND ALWAYS USE APPROPRIATE SAFETY FACTORS.



T5

WIDTH TOLERANCE	+/- 0.5 MM	THICKNESS	2.2 +/-0.5MM				LENGTH TOLERANCE PER MT	+/-0.8MM			STANDARD MATERIAL	92SHA WHITE TPU	
	BELT WIDTH (MM)	6	10	16	25	32	50	75	100	150	150 (25X6)	200	300 ¹
STEEL CORD	MWL (N)	162	325	520	845	1040	1755	2632	3510	3445	5070	3445	
	BREAKING STRENGTH (N)	650	1300	2080	3380	4160	7020	10530	14040	13780	20280	13780	
ARAMID CORD	MWL (N)	350	700	1120	1820	2240	3780	5670	7560	7420	10920	7420	11060
	BREAKING STRENGTH (N)	1400	2800	4480	7280	8960	15120	22680	30240	29680	43680	29680	44240

¹ 300MM WIDE BELTING IS STANDARD WITH SEALED CORDS AND 85SHA BLUE FDA COMPLIANT URETHANE

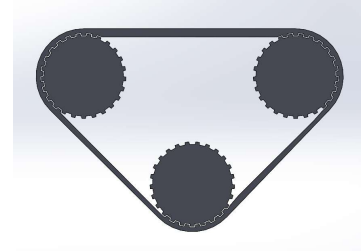
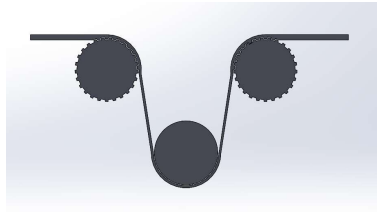
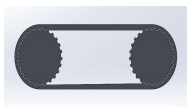
MWL = MAX WORKING LOAD. LOAD AT WHICH BELT CAN OPERATE WITHOUT SIGNIFICANT DEGRADATION

BREAKING STRENGTH = LOAD THAT WILL CAUSE IMMEDIATE FAILURE ON NEW/UNUSED BELT

ALL SPECS ARE AVERAGE VALUES FOR OPEN END BELT MATERIAL. HEAT WELDED JOINTS ARE ON AVERAGE 50% LESS RESISTANT THAN STATED VALUES

BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	10	10	30 MM	10	30 MM
ARAMID CORDS	10	10	30 MM	10	30 MM





T10

WIDTH TOLERANCE		+/- 0.5 MM		THICKNESS		4.5 +/-0.5		LENGTH TOLERANCE PER METER		+/-0.8MM			STANDARD MATERIAL		92SHA WHITE TPU	
	BELT WIDTH (MM)		10	16	25	32	50	75	100	150	210	310				
STEEL CORD	MWL (N)		841	1468	2412	2937	5034	8750	11746	13682	14457					
	BREAKING STRENGTH (N)		3364	5873	9648.5	11746	20136	30624	41111	44467	46984					
STAINLESS STEEL CORD	MWL (N)		700	1225	2013	2450	4200	7300	9800	11415	12062					
	BREAKING STRENGTH (N)		2800	4900	8050	9800	16800	25550	34300	37100	39200					
ARAMID CORD	MWL (N)		870	1305	2320	2900	4930	8617.1	11600	18917	19988	26183				
	BREAKING STRENGTH (N)		3480	5220	9280	11600	19720	30160	40600	61480	64960	91640				

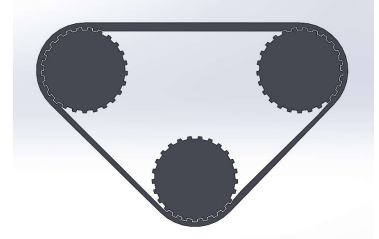
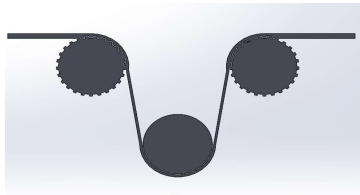
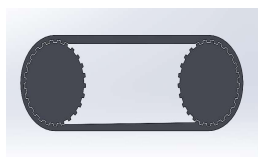
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BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	14	16	80 MM	14	60 MM
STAINLESS STEEL CORDS	20	20	80 MM	20	60 MM
ARAMID CORDS	14	16	80 MM	14	60 MM





T20

WIDTH TOLERANCE		+/- 0.5 MM		THICKNESS		8.0 +/-0.5mm		LENGTH TOLERANCE PER METER		+/-0.8MM		STANDARD MATERIAL		92SHA WHITE TPU	
	BELT WIDTH (MM)		25	32	50	75	100	150							
STEEL CORD	MWL (N)		3798	4749	8074	12348	16622	28767							
	BREAKING STRENGTH (N)		15192	18997	32295	49392	66490	100684							
STAINLESS STEEL CORD	MWL (N)		3320	4150	7055	10790	14525	25137							
	BREAKING STRENGTH (N)		13280	16600	28220	43160	58100	87980							
ARAMID CORD	MWL (N)		4209	5614	9122.8	14035	18947	32882							
	BREAKING STRENGTH (N)		16836	22456	36491	56140	75789	115087							

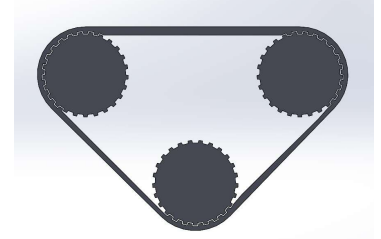
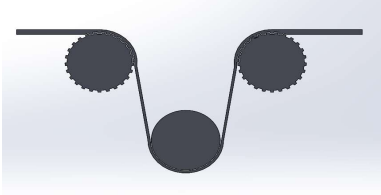
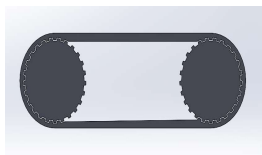
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BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	15	15	120 MM	15	95 MM
STAINLESS STEEL CORD	20	25	160 MM	20	125 MM
ARAMID CORDS	15	15	120 MM	15	95 MM





AT5

WIDTH TOLERANCE		+/- 0.5 MM		THICKNESS		2.7 +/-0.35		LENGTH TOLERANCE PER METER		+/-0.8MM		STANDARD MATERIAL		92SHA WHITE TPU	
	BELT WIDTH (MM)		10	12	16	25	32	50	75	100	150				
STEEL CORD	MWL (N)		668	801	1068	1802	2136	3605	5207	6942	8086				
	BREAKING STRENGTH (N)		2670	3204	4272	7209	8544	14418	20826	27768	28302				
ARAMID CORD	MWL (N)		700	840	1120	1890	2240	3780	5460	7280	8480				
	BREAKING STRENGTH (N)		2800	3360	4480	7560	8960	15120	21840	29120	29680				

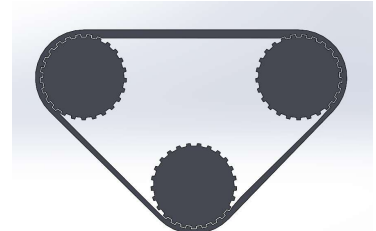
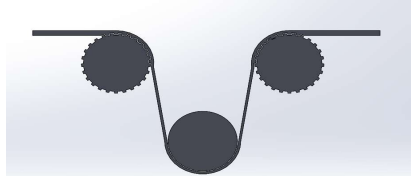
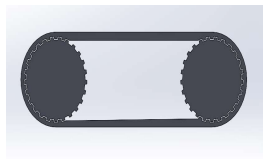
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BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	15	20	60	15	25
ARAMID CORDS	15	20	60	15	25





AT10

WIDTH TOLERANCE		+/- 0.5 MM	THICKNESS		4.5 +/-0.5MM		LENGTH TOLERANCE PER METER		+/-0.8MM		STANDARD MATERIAL	92SHA WHITE TPU	
	BELT WIDTH (MM)	10	16	25	32	50	75	100	150				
STEEL CORD	MWL (N)	1425	2138	3800	4750	8075	12350	16625	25175				
	BREAKING STRENGTH (N)	5700	8550	15200	19000	32300	49400	66500	100700				
STAINLESS STEEL CORD	MWL (N)	1245	1868	3320	4150	7055	10790	14525	21995				
	BREAKING STRENGTH (N)	4980	7470	13280	16600	28220	43160	58100	87980				
HP STEEL CORD	MWL (N)	1838	2573	4410	5880	9555	14700	19845	30135				
	BREAKING STRENGTH (N)	7350	10290	17640	23520	38220	58800	79380	120540				
ARAMID CORD	MWL (N)	1757	2460	4217	5622	9136	14055	18974	28813				
	BREAKING STRENGTH (N)	7028	9839	16866	22488	36543	56220	75897	115251				

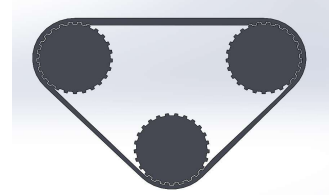
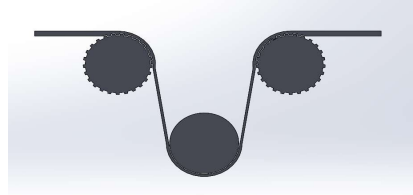
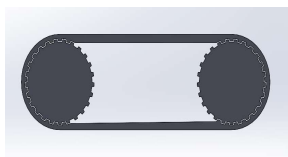
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BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	15	20	120	15	45
STAINLESS STEEL	20	25	160	20	60
HP STEEL	20	25	160	20	60
ARAMID CORDS	15	20	120	15	45





AT20

WIDTH TOLERANCE	+/-0.5MM	THICKNESS	8 +/-0.5MM	LENGTH TOLERANCE PER MT	+/-0.8MM	STANDARD MATERIAL	92SHA WHITE TPU
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	BELT WIDTH (MM)	25	32	50	75	100	150	200
STEEL CORD	MWL (N)	4410	5880	9555	14700	19845	34440	
	BREAKING STRENGTH (N)	17640	23520	38220	58800	79380	120540	
STAINLESS STEEL CORD	MWL (N)	3990	5456	9100	14000	19410	31160	
	BREAKING STRENGTH (N)	15960	21280	34580	53200	71820	109060	
ARAMID CORD	MWL (N)	4215	5764	9613	14789	20505	32917	
	BREAKING STRENGTH (N)	16860	22480	36530	56200	75870	115210	
HIGH POWER STEEL CORD ¹	MWL (N)	6400	9846	16842	25263	34594	55771	73142
	BREAKING STRENGTH (N)	25600	38400	64000	96000	128000	195200	256000

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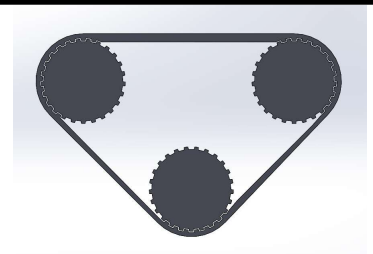
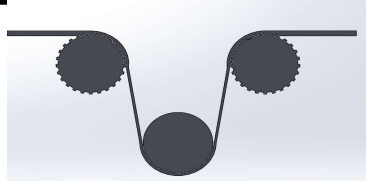
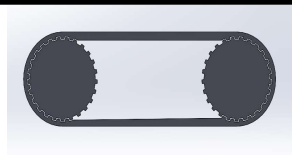
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¹HIGHT POWER STEEL CORD MATERIAL COMES STANDARD WITH 95Sha TPU

BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	18	25	180 MM	18	120 MM
ARAMID CORDS	18	25	180 MM	18	120 MM
HIGH-POWER STEEL CORD	25	25	250 MM	25	160 MM





XL

WIDTH TOLERANCE	+/- 0.5 MM	THICKNESS	2.3MM +/-0.4			LENGHT TOLERANCE PER MT		+/- 0.8MM			STANDARD MATERIAL	92SHA WHITE TPU	
	BELT WIDTH (MM)	025	037	050	075	100	150	200	300	400			
STEEL CORD	MWL (N)	163	260	390	650	878	1365	1820	2698	3640			
	BREAKING STRENGTH (N)	650	1040	1560	2600	3510	5460	7280	10790	14560			
ARAMID CORD	MWL (N)	460	736	1104	1840	2484	3864	5152	7636	10304			
	BREAKING STRENGTH (N)	1840	2944	4416	7360	9936	15456	20608	30544	41216			

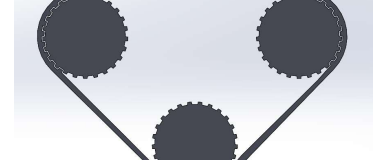
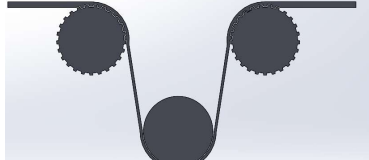
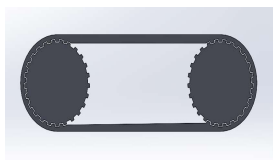
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BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	10	10	30 MM	10	25 MM
ARAMID CORDS	10	10	30 MM	10	25 MM





L

WIDTH TOLERANCE	+/- 0.5 MM	THICKNESS	3.6MM +/-0.4		LENGHT TOLERANCE PER MT		+/- 0.8MM				STANDARD MATERIAL	92SHA WHITE TPU	
	BELT WIDTH (MM)	037	050	075	100	150	200	300	400	400 (100X4)			
STEEL CORD	MWL (N)	603	804	1340	1809	2814	3886	5561	7236	7370			
	BREAKING STRENGTH (N)	2412	3216	5360	7236	11256	15544	22244	28944	29480			
ARAMID CORD	MWL (N)	821	1095	1825	2464	3833	5293	7574	9855	10038			
	BREAKING STRENGTH (N)	3285	4380	7300	9855	15330	21170	30295	39420	40150			

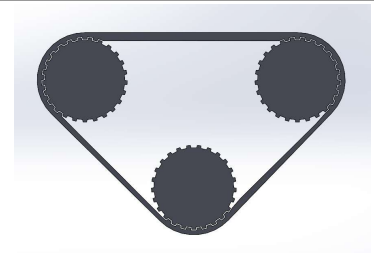
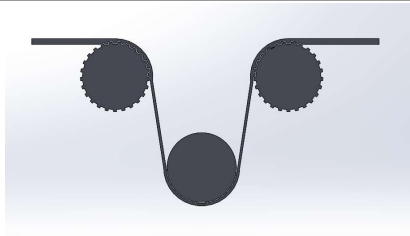
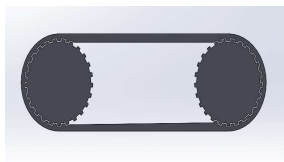
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BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	12	12	60 MM	12	50 MM
ARAMID CORDS	12	12	60 MM	12	50 MM





H

WIDTH TOLERANCE	+/-0.5	THICKNESS	4.3MM +/-0.5			LENGHT TOLERANCE PER MT		+/- 0.8MM			STANDARD MATERIAL	92SHA WHITE TPU	
	BELT WIDTH (MM)	037	050	075	100	150	200	300	400	600	600 (100X6)	1200	
STEEL CORD	MWL (N)	630	1050	1785	2415	3675	5040	7665	10290	11130	17520		
	BREAKING STRENGTH (N)	2520	4200	7140	9660	14700	20160	30660	41160	44520	61320		
STAINLESS STEEL CORD	MWL (N)	525	875	1488	2013	3063	4200	6388	8575	9275	14600		
	BREAKING STRENGTH (N)	2100	3500	5950	8050	12250	16800	25550	34300	37100	51100		
ARAMID CORD	MWL (N)	435	725	1595	2320	3625	4930	7540	10150	15370	17566	26183	
	BREAKING STRENGTH (N)	1740	2900	6380	9280	14500	19720	30160	40600	61480	61480	91640	

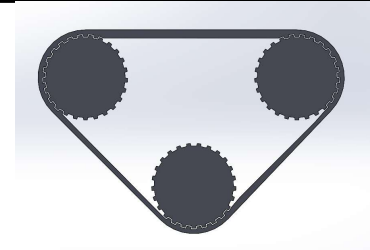
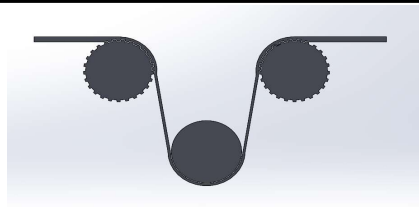
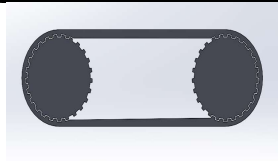
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BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	14	14	80	14	55
STAINLESS CORDS	18	18	100	18	70
ARAMID CORDS	14	14	80	14	55





XH

WIDTH TOLERANCE		+/- 0.5 MM		THICKNESS		11.2 +/-0.5		LENGTH TOLERANCE PER METER		+/-0.8MM		STANDARD MATERIAL		92SHA WHITE TPU	
	BELT WIDTH (MM)		50	100	150	200	300	400	600						
STEEL CORD	MWL (N)		1662	3799	5936	8073	12347	18996	28223						
	BREAKING STRENGTH (N)		6649	15197	23745	32293	49390	66486	98779						
ARAMID CORD	MWL (N)		1756	4215	6673.8	9132.5	14050	21677	32114						
	BREAKING STRENGTH (N)		7025	16860	26695	36530	56200	75870	112400						

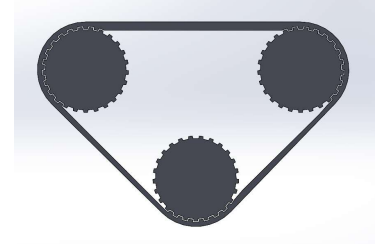
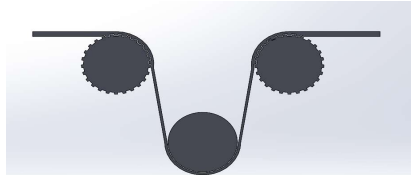
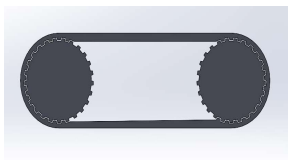
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	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	18	18	150 MM	18	130 MM
ARAMID CORDS	18	18	150 MM	18	130 MM





HTD5

WIDTH TOLERANCE	+/-0.5	THICKNESS	3.6MM +/-0.5	LENGTH TOLERANCE PER MT	+/- 0.8MM	STANDARD MATERIAL	92SHA WHITE TPU
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	BELT WIDTH (MM)	10	15	25	50								
STEEL CORD	MWL (N)	671	1006	1810	3755								
	BREAKING STRENGTH (N)	2682	4023	7241	15019								
ARAMID CORD	MWL (N)	775	930	2093	4340								
	BREAKING STRENGTH (N)	3690	5535	9963	20664								

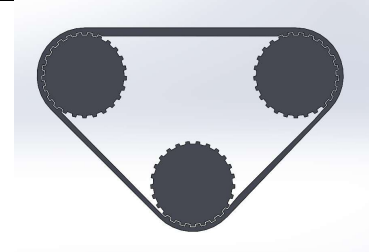
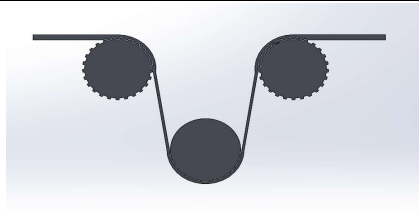
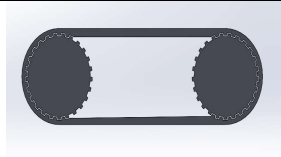
ALL SPECS ARE AVERAGE VALUES FOR OPEN END BELT MATERIAL. HEAT WELDED JOINTS ARE ON AVERAGE 50% LESS RESISTANT THAN STATED VALUES

MWL = MAX WORKING LOAD. LOAD AT WHICH BELT CAN OPERATE WITHOUT SIGNIFICANT DEGRADATION

BREAKING STRENGTH = LOAD THAT WILL CAUSE IMMEDIATE FAILURE ON NEW/UNUSED BELT

BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	14	16	60	14	22
ARAMID CORDS	14	16	60	14	22





HTD8

WIDTH TOLERANCE	+/- 0.5 MM	THICKNESS	5.6 +/-0.5MM	LENGTH TOLERANCE PER METER	+/-0.8MM	STANDARD MATERIAL	92SHA WHITE TPU
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	BELT WIDTH (MM)	10	15	20	30	50	85	100					
STEEL CORD	MWL (N)	1418	2126	3071	4725	8033	13939	16538					
	BREAKING STRENGTH (N)	5670	8505	12285	18900	32130	55755	66150					
ARAMID CORD	MWL (N)	870	1305	1885	2900	4930	8555	10150					
	BREAKING STRENGTH (N)	3480	5220	7540	11600	19720	34220	40600					

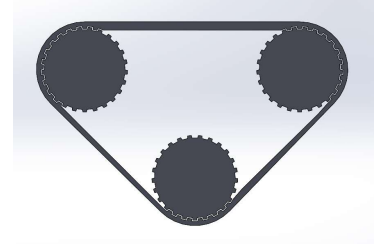
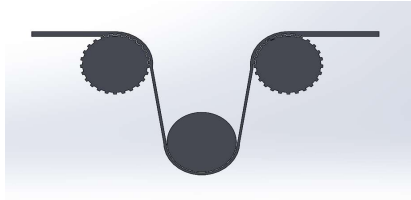
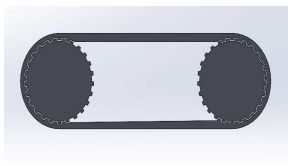
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ALL SPECS ARE AVERAGE VALUES FOR OPEN END BELT MATERIAL. HEAT WELDED JOINTS ARE ON AVERAGE 50% LESS RESISTANT THAN STATED VALUES

BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	20	20	110 MM	20	50 MM
ARAMID CORDS	20	20	110 MM	20	50 MM





RPP8

WIDTH TOLERANCE	+/- 0.5 MM	THICKNESS	5.4 +/-0.5				LENGTH TOLERANCE PER METER	+/-0.8MM			STANDARD MATERIAL	92SHA WHITE TPU	
	BELT WIDTH (MM)	10	15	20	30	50	85	100					
STEEL CORD	MWL (N)	1418	2126	3071	4725	8033	13939	16538					
	BREAKING STRENGTH (N)	5670	8505	12285	18900	32130	55755	66150					
ARAMID CORD	MWL (N)	870	1305	1885	2900	4930	9777	11600					
	BREAKING STRENGTH (N)	3480	5220	7540	11600	19720	34220	40600					

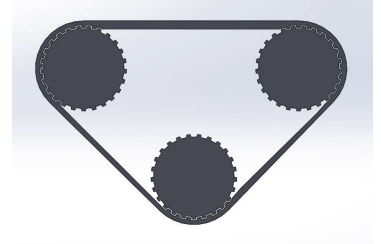
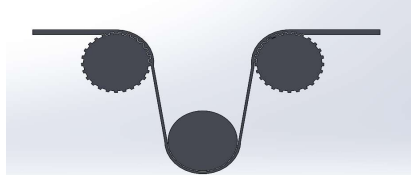
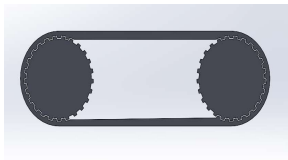
MWL = MAX WORKING LOAD. LOAD AT WHICH BELT CAN OPERATE WITHOUT SIGNIFICANT DEGRADATION

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ALL SPECS ARE AVERAGE VALUES FOR OPEN END BELT MATERIAL. HEAT WELDED JOINTS ARE ON AVERAGE 50% LESS RESISTANT THAN STATED VALUES

BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	18	18	50	18	50
ARAMID CORDS	20	20	50	20	50





HTD14

WIDTH TOLERANCE	+/- 0.5 MM	THICKNESS	10 +/-0.5MM	LENGTH TOLERANCE PER METER	+/-0.8MM	STANDARD MATERIAL	92SHA WHITE TPU
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	BELT WIDTH (MM)	25	40	55	85	115							
STEEL CORD	MWL (N)	4778	7350	10290	16538	22418							
	BREAKING STRENGTH (N)	19110	29400	41160	66150	89670							
ARAMID CORD	MWL (N)	4566	7025	9835	15806	21426							
	BREAKING STRENGTH (N)	18265	28100	39340	63225	85705							

MWL = MAX WORKING LOAD. LOAD AT WHICH BELT CAN OPERATE WITHOUT SIGNIFICANT DEGRADATION

BREAKING STRENGTH = LOAD THAT WILL CAUSE IMMEDIATE FAILURE ON NEW/UNUSED BELT

ALL SPECS ARE AVERAGE VALUES FOR OPEN END BELT MATERIAL. HEAT WELDED JOINTS ARE ON AVERAGE 50% LESS RESISTANT THAN STATED VALUES

BELT LAYOUT CONSIDERATION (MINIMUM SIZING)

	LINEAR LAYOUT	OMEGA LAYOUT		LINEAR WITH INTERNAL IDLER	
	PULLEY TEETH	PULLEY TEETH	IDLER DIAMETER	PULLEY TEETH	IDLER DIAMETER
STEEL CORDS	28	28	200 MM	28	124 MM
ARAMID CORDS	28	28	200 MM	28	124 MM

