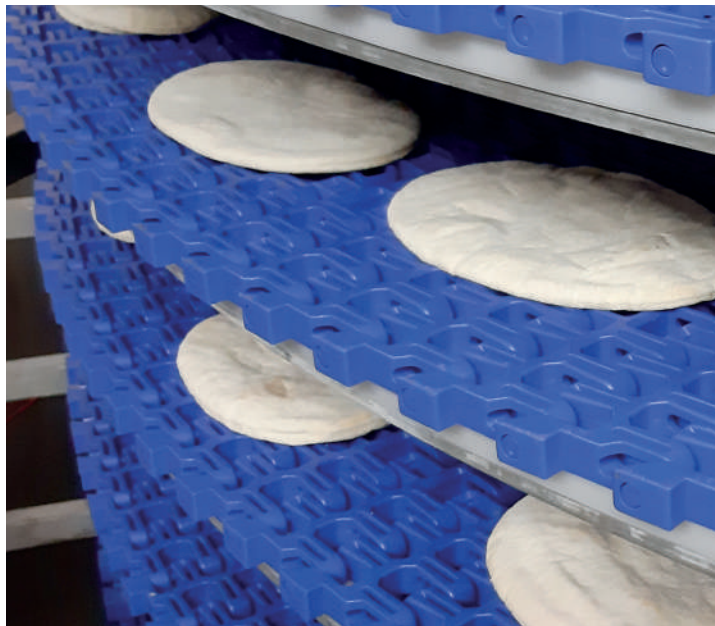


uni Modular Spiral Belts

Friction & Direct Drive systems





Available in
Flame retardant material

uni spiral belting range – efficient and space saving conveying solutions

For cooling, chilling, freezing, proofing, steaming, pasteurizing, or simply just inclined or declined conveying.

uni Friction Drive Spiral Belts

Friction driven spiral belts with overdrive technology are best suited for less demanding spiral applications where the environment is clean and precise product positioning is not critical.

uni Friction Drive Spiral Belts are well recognized in the market for their durability and unique features.

uni Direct Drive Belts

Direct Driven Spiral Belting Systems with their positive engagement are gaining in popularity, particularly for use in more challenging spiral applications where they operate more trouble free (lower maintenance solution). A major benefit is a controlled stable belt motion that is less sensitive to environmental changes, which is important when product orientation is critical.

Destined to become Best in Class!



Friction Drive Spiral Belts

Applications

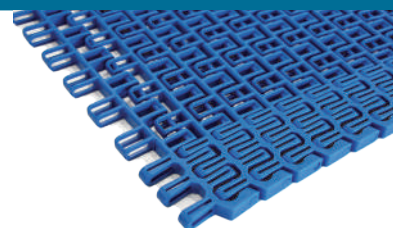
- Spiral coolers
- Spiral freezers

For optimum efficiency

Recommended products & benefits

uni Flex OSB & L-OSB

- Excellent vertical airflow
- Low surface contact
- Uniform opening across width
- No crumb retention
- High beam strength

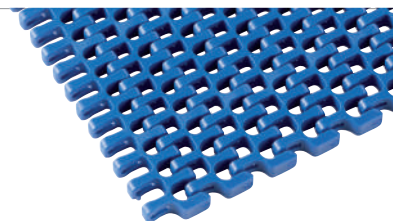


- Spiral coolers
- Spiral freezers
- Spiral proofers
- Compact, space saving spirals

For delicate or soft products that need more contact area

uni Flex ASB & L-ASB

- Robust construction
- Optimum product support
- Non-snap belt edges
- Unique load sharing design

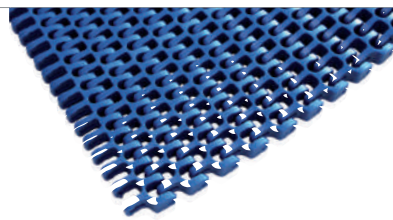


- Spiral proofers
- Reduced product surface contact

Curved Surface for excellent release and transfer properties

uni Flex ASB-CS

- Non-stick curved belt surface for easy product release
- Scraping of curved surface possible
- Robust construction
- Easy to clean
- Non-snap belt edges

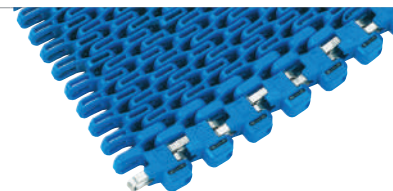


- Spiral pasteurizers
- Spiral cookers, steamers
- Spiral dryers

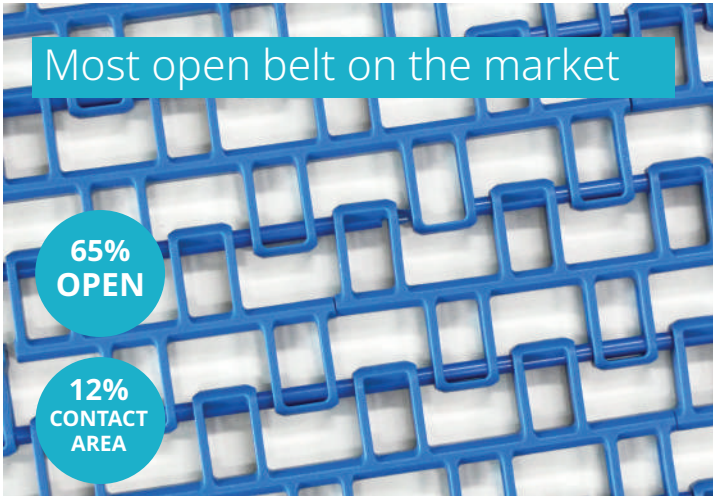
For more demanding production processes

uni Flex SNB Hybrid

- Robust spiral belt
- Stainless steel tension members
- High working capacity
- Working temperature 212°F
- Non-stick surface
- High beam strength



Hygienically designed spiral belts



Direct Drive Spiral Belts

Introducing the **uni Direct Drive System™** - A new generation Spiral system. Designed to be best in class and destined to become the new industry favorite.

The patented design of the uni Direct Drive System™ delivers the smoothest engagement in the market. This ensures consistent operation, even in the most challenging environments.

Smoother engagement and running means:

- Better product alignment and positioning, critical for subsequent processes like packaging
- Less product damage and less waste

Trouble-free operation

As the uni Direct Drive System™ is positively driven, it operates with greatly reduced belt tension.

This increases belt life and reduces sensitivity to environmental factors such as ice build up, grease, and contamination, supporting a trouble-free and reliable operation. It reduces maintenance and cleaning associated with friction issues and technical adjustments.

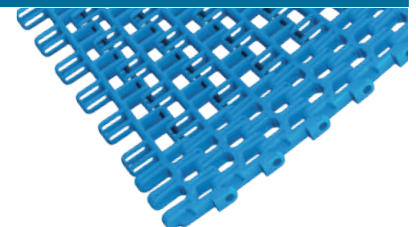
Applications

- Spiral coolers
- Spiral freezers
- Spiral proofers
- Elevators & lowerators

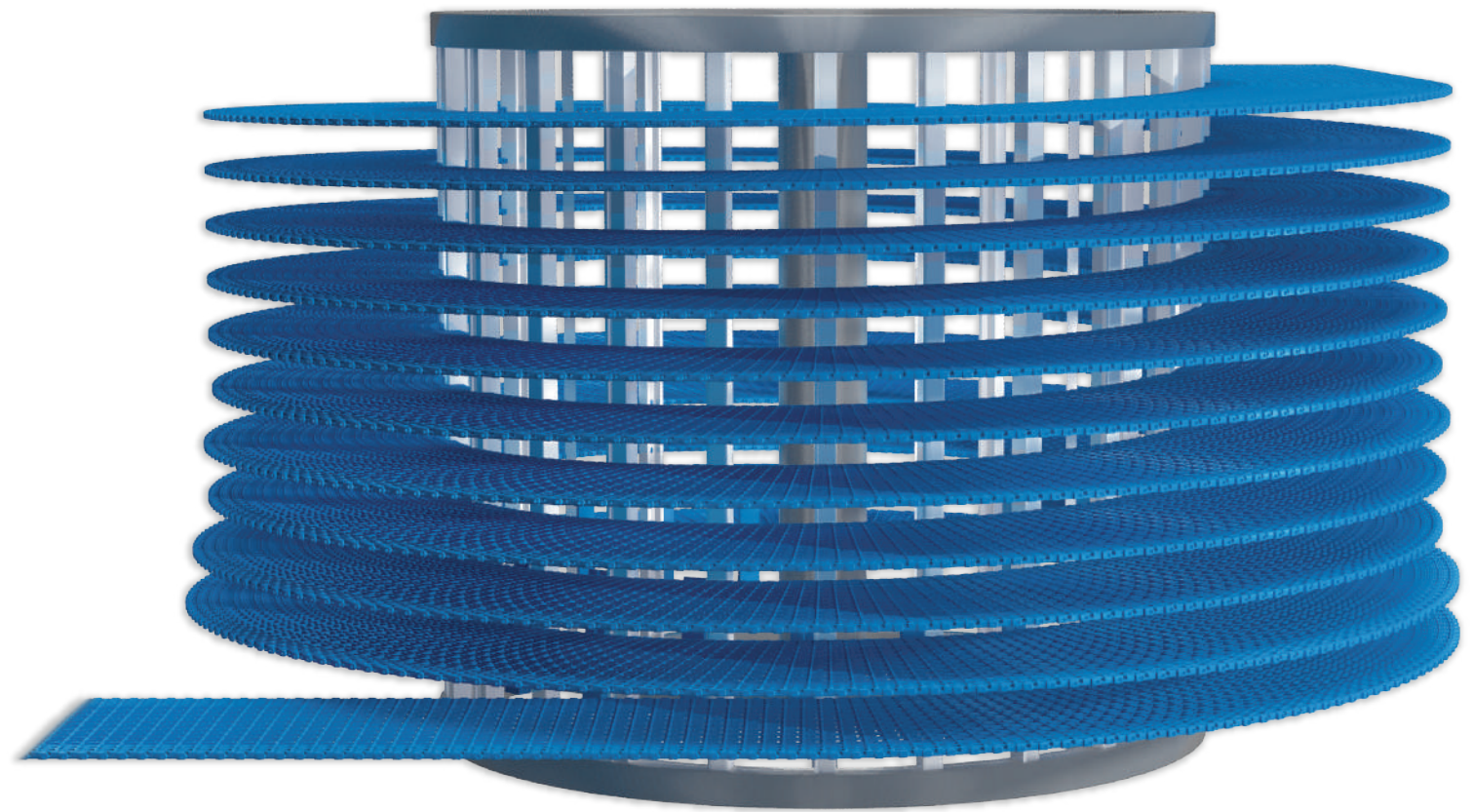
Recommended product & benefits

uni Flex L-OSB Direct Drive

- Excellent vertical airflow (65% open)
- Lowest surface contact (12% contact area)
- Uniform opening across width
- No crumb retention
- High beam strength




Seamless and smooth engagement



Low surface contact + reduced footprint





- **Less vulnerable** for damage
- **Less risk** of snagging

Patented design

- On-site or remote consultations
- Engineering & design advice
- Installation support
- Retrofit support
- Trouble shooting

Our team will ensure our belts run as intended while providing maximum performance.



**Ammeraal Beltech
member European
Hygienic Engineering
& Design Group**



Food Grade belts comply with EC 1935/2004 and FDA standards supporting your ISO 22000 requirements (previously HACCP).



Series uni Flex L-OSB Type 65% Open (Radius 2.2)



Sideflexing belt
Nominal pitch: 50.8 mm (2.00 in)
Surface type: Open
Surface opening: 65%
Backflex radius: 65.0 mm (2.56 in)
Pin diameter: 6.0 mm (0.24 in)
Min. inside radius: R2.5 x belt width

Belt material & color	PCM-C	PP	mm	in	mm	in
Pin and lock material & color	PAGE	P (Nominal)	50.8	2.00	T	15.0 0.59
		L	7.5	0.29	-	-

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock systems and materials: *Custom Furniture*. See

Ball width	Singles						Double						Number of uses per set		
	DOM CINES			FRAMES			DOM CINES			FRAMES					
	Length (mm)	Weight (g)	Cost (€)	Length (mm)	Weight (g)	Cost (€)	Length (mm)	Weight (g)	Cost (€)	Length (mm)	Weight (g)	Cost (€)			
95	120	549	120	200	742	807	919	200	828	2.0	1.36	1.5	0.99	3	2
100	134	640	139	220	780	847	1027	220	880	2.7	1.62	1.8	1.32	3	2
105	148	640	149	240	820	884	1147	240	920	3.4	1.80	2.0	1.39	3	2
110	162	640	158	260	860	941	1209	260	960	4.1	1.98	2.2	1.46	3	2
115	176	640	164	280	900	1000	1271	280	1000	4.8	2.16	2.4	1.53	5	3
120	190	640	170	300	940	1060	1333	300	1060	5.5	2.34	2.6	1.60	5	3
125	204	640	176	320	980	1120	1395	320	1120	6.2	2.52	2.8	1.67	5	3
130	218	640	182	340	1020	1180	1457	340	1180	6.9	2.70	3.0	1.74	5	3
135	232	640	188	360	1060	1240	1519	360	1240	7.6	2.88	3.2	1.81	7	4
140	246	640	194	380	1100	1300	1581	380	1300	8.3	3.06	3.4	1.88	7	4
145	260	640	200	400	1140	1360	1643	400	1360	9.0	3.24	3.6	1.95	7	4
150	274	640	206	420	1180	1420	1705	420	1420	9.7	3.42	3.8	2.02	7	4
155	288	640	212	440	1220	1480	1767	440	1480	10.4	3.60	4.0	2.09	7	4
160	302	640	218	460	1260	1540	1829	460	1540	11.1	3.78	4.2	2.16	7	4
165	316	640	224	480	1300	1600	1891	480	1600	11.8	3.96	4.4	2.23	7	4
170	330	640	230	500	1340	1660	1953	500	1660	12.5	4.14	4.6	2.30	7	4
175	344	640	236	520	1380	1720	2015	520	1720	13.2	4.32	4.8	2.37	7	4
180	358	640	242	540	1420	1780	2077	540	1780	13.9	4.50	5.0	2.44	7	4
185	372	640	248	560	1460	1840	2139	560	1840	14.6	4.68	5.2	2.51	7	4
190	386	640	254	580	1500	1900	2201	580	1900	15.3	4.86	5.4	2.58	7	4
195	400	640	260	600	1540	1960	2263	600	1960	16.0	5.04	5.6	2.65	9	5
200	414	640	266	620	1580	2020	2325	620	2020	16.7	5.22	5.8	2.72	9	5
205	428	640	272	640	1620	2080	2387	640	2080	17.4	5.40	6.0	2.79	9	5
210	442	640	278	660	1660	2140	2449	660	2140	18.1	5.58	6.2	2.86	9	5
215	456	640	284	680	1700	2200	2511	680	2200	18.8	5.76	6.4	2.93	9	5
220	470	640	290	700	1740	2260	2573	700	2260	19.5	5.94	6.6	3.00	9	5
225	484	640	296	720	1780	2320	2635	720	2320	20.2	6.12	6.8	3.07	9	5
230	498	640	302	740	1820	2380	2697	740	2380	20.9	6.30	7.0	3.14	9	5
235	512	640	308	760	186	2440	2759	760	2440	21.6	6.48	7.2	3.21	9	5
240	526	640	314	780	1900	2500	2821	780	2500	22.3	6.66	7.4	3.28	9	5
245	540	640	320	800	1940	2560	2883	800	2560	23.0	6.84	7.6	3.35	9	5
250	554	640	326	820	1980	2620	2945	820	2620	23.7	7.02	7.8	3.42	9	5
255	568	640	332	840	2020	2680	3007	840	2680	24.4	7.20	8.0	3.49	9	5
260	582	640	338	860	2060	2740	3069	860	2740	25.1	7.38	8.2	3.56	9	5
265	596	640	344	880	2100	2800	3131	880	2800	25.8	7.56	8.4	3.63	9	5
270	610	640	350	900	2140	2860	3193	900	2860	26.5	7.74	8.6	3.70	9	5
275	624	640	356	920	2180	2920	3255	920	2920	27.2	7.92	8.8	3.77	9	5
280	638	640	362	940	2220	2980	3317	940	2980	27.9	8.10	9.0	3.84	9	5
285	652	640	368	960	2260	3040	3379	960	3040	28.6	8.28	9.2	3.91	9	5
290	666	640	374	980	2300	3100	3441	980	3100	29.3	8.46	9.4	3.98	9	5
295	680	640	380	1000	2340	3160	3503	1000	3160	30.0	8.64	9.6	4.05	9	5
300	694	640	386	1020	2380	3220	3565	1020	3220	30.7	8.82	9.8	4.12	9	5
305	708	640	392	1040	2420	3280	3627	1040	3280	31.4	9.00	10.0	4.19	9	5
310	722	640	398	1060	2460	3340	3689	1060	3340	32.1	9.18	10.2	4.26	9	5
315	736	640	404	1080	2500	3400	3751	1080	3400	32.8	9.36	10.4	4.33	9	5
320	750	640	410	1100	2540	3460	3813	1100	3460	33.5	9.54	10.6	4.40	11	6
325	764	640	416	1120	2580	3520	3875	1120	3520	34.2	9.72	10.8	4.47	11	6
330	778	640	422	1140	2620	3580	3937	1140	3580	34.9	9.90	11.0	4.54	11	6
335	792	640	428	1160	2660	3640	3999	1160	3640	35.6	10.08	11.2	4.61	11	6
340	806	640	434	1180	2700	3700	4061	1180	3700	36.3	10.26	11.4	4.68	11	6
345	820	640	440	1200	2740	3760	4123	1200	3760	37.0	10.44	11.6	4.75	11	6
350	834	640	446	1220	2780	3820	4185	1220	3820	37.7	10.62	11.8	4.82	11	6
355	848	640	452	1240	2820	3880	4247	1240	3880	38.4	10.80	12.0	4.89	11	6
360	862	640	458	1260	2860	3940	4309	1260	3940	39.1	10.98	12.2	4.96	11	6
365	876	640	464	1280	2900	4000	4371	1280	4000	39.8	11.16	12.4	5.03	11	6
370	890	640	470	1300	2940	4060	4433	1300	4060	40.5	11.34	12.6	5.10	11	6
375	904	640	476	1320	2980	4120	4495	1320	4120	41.2	11.52	12.8	5.17	11	6
380	918	640	482	1340	3020	4180	4557	1340	4180	41.9	11.70	13.0	5.24	11	6
385	932	640	488	1360	3060	4240	4619	1360	4240	42.6	11.88	13.2	5.31	11	6
390	946	640	494	1380	3100	4300	4681	1380	4300	43.3	12.06	13.4	5.38	11	6
395	960	640	500	1400	3140	4360	4743	1400	4360	44.0	12.24	13.6	5.45	11	6
400	974	640	506	1420	3180	4420	4805	1420	4420	44.7	12.42	13.8	5.52	11	6
405	988	640	512	1440	3220	4480	4867	1440	4480	45.4	12.60	14.0	5.59	11	6
410	1002	640	518	1460	3260	4540	4929	1460	4540	46.1	12.78	14.2	5.66	11	6
415	1016	640	524	1480	3300	4600	4991	1480	4600	46.8	12.96	14.4	5.73	11	6
420	1030	640	530	1500	3340	4660	5053	1500	4660	47.5	13.14	14.6	5.80	11	6
425	1044	640	536	1520	3380	4720	5115	1520	4720	48.2	13.32	14.8	5.87	11	6
430	1058	640	542	1540	3420	4780	5177	1540	4780	48.9	13.50	15.0	5.94	11	6
435	1072	640	548	1560	3460	4840	5239	1560	4840	49.6	13.68	15.2	6.01	11	6
440	1086	640	554	1580	3500	4900	5301	1580	4900	50.3	13.86	15.4	6.08	11	6
445	1100	640	560	1600	3540	4960	5363	1600	4960	51.0	14.04	15.6	6.15	11	6
450	1114	640	566	1620	3580	5020	5425	1620	5020	51.7	14.22	15.8	6.22	11	6
455	1128	640	572	1640	3620	5080	5487	1640	5080	52.4	14.40	16.0	6.29	11	6
460	1142	640	578	1660	3660	5140	5549	1660	5140	53.1	14.58	16.2	6.36	11	6
465	1156	640	584	1680	3700	5200	5611	1680	5200	53.8	14.76	16.4	6.43	11	6
470	1170	640	590	1700	3740	5260	5673	1700	5260	54.5	14.94	16.6	6.50	11	6
475	1184	640	596	1720	3780	5320	5735	1720	5320	55.2	15.12	16.8	6.57	11	6
480	1198	640	602	1740	3820	5380	5797	1740	5380	55.9	15.30	17.0	6.64	11	6
485	1212	640	608	1760	3860	5440	5859	1760	5440	56.6	15.48	17.2	6.71	11	6
490	1226	640	614	1780	3900	5500	5921	1780	5500	57.3	15.66	17.4	6.78	11	6
495	1240	640	620	1800	3940	5560	5983	1800	5560	58.0	15.84	17.6	6.85	11	6
500	1254	640	626	1820	3980	5620	6045	1820	5620	58.7	16.02	17.8	6.92	11	6
505	1268	640	632	1840	4020	5680	6107	1840	5680	59.4	16.20	18.0	6.99	11	6
510	1282	640	638	1860	4060	5740	6169	1860	5740	60.1	16.38	18.2	7.06	11	6
515	1296	640	644	1880	4100	5800	6231	1880	5800	60.8	16.56	18.4	7.13	11	6
520	1310	640	650	1900	4140	5860	6293	1900	5860	61.5	16.74	18.6	7.20	11	6
525	1324	640	656	1920	4180	5920	6355	1920	5920	62.2	16.92	18.8	7.27	11	6
530	1338	640	662	1940	4220	5980	6417	1940	5980	62.9	17.10	19.0	7.34	11	6
535	1352	640	668	1960	4260	6040	6479	1960							

General belt tolerance is $\pm 0.6\%$ at $23^{\circ}\text{C}/73^{\circ}\text{F}$. For exact belt width contact Customer Service.

For technical details, including collapse factors & belt accessories, visit our website and download our datasheets.

Industries / Applications – spiral belting



BAKING



BEEF / PORK



BREAD



CONFECTIONARY



FISH /
SEAFOOD



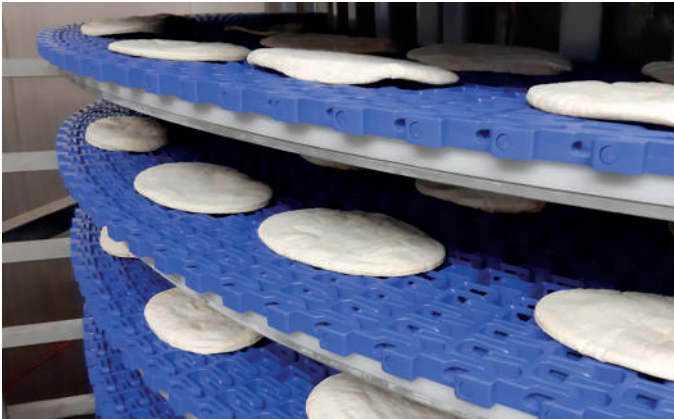
FRUIT &
VEGETABLE



PASTA



POULTRY



About uni

For Ammeraal Beltech, it is important to focus on doing things better, smarter, and more efficiently. Adaptability is important and our product designs and competencies reflect this.

Ammeraal Beltech's uni brand is one of the world's leading manufacturers of plastic modular belts and chains. We have a large range of products for various industries, such as Automotive, Corrugated and Food.

We are a part of the AMMEGA Group with over 6,000 employees worldwide.

For more information on the AMMEGA Group visit www.ammega.com.

Ammeraal Beltech - A leading global belting company and trusted brand

Founded in 1950, Ammeraal Beltech is a global market leader in the design, manufacturing, and fabrication of high-quality, high-performance process and conveyor belts, available today in 150 countries around the world.

We operate 10 manufacturing sites in Europe, the USA, Canada and Asia. We have over 28 fully owned operating companies and 150 local sales and service centers worldwide. Our network is vast, which means it's also local.

Going forward, our aim is to be the recognized leader everywhere we do business.



Contact us:
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www.mir-belting.com



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