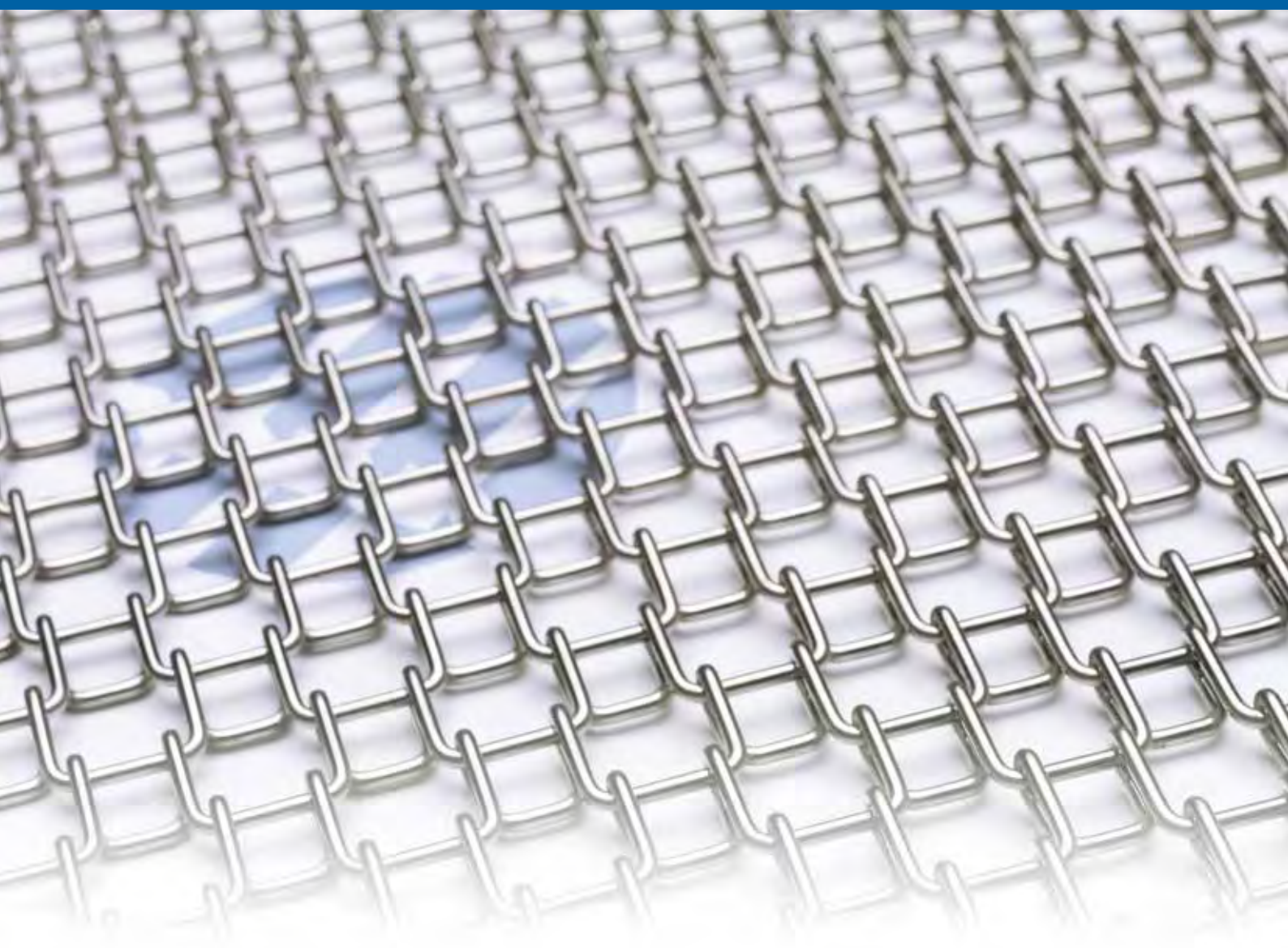




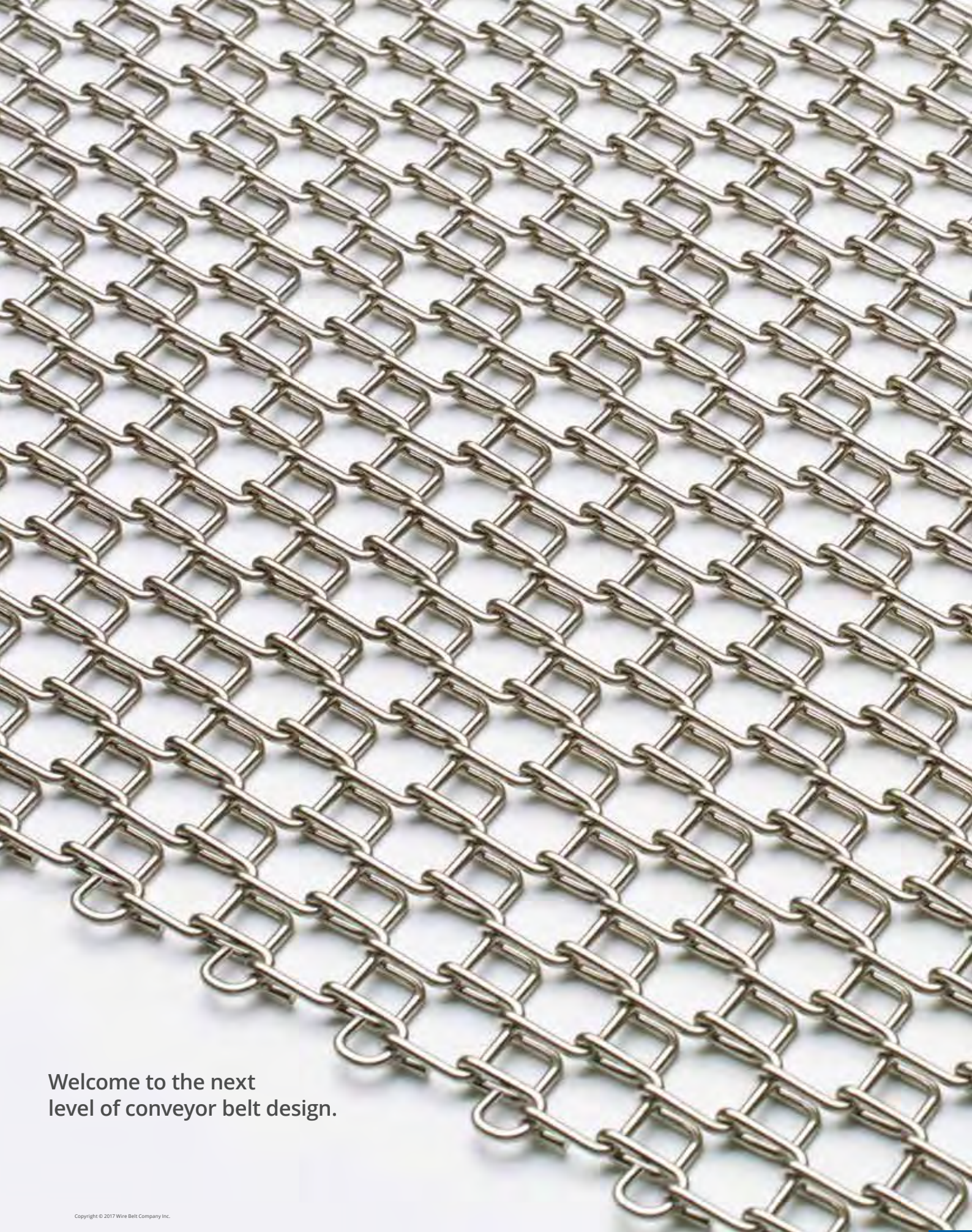
The Trusted Metal Conveyor Belt Manufacturer™



## Compact-Grid™ Conveyor Belts

Improve efficiencies and your bottom line

[www.wirebelt.co.uk](http://www.wirebelt.co.uk)



Welcome to the next  
level of conveyor belt design.

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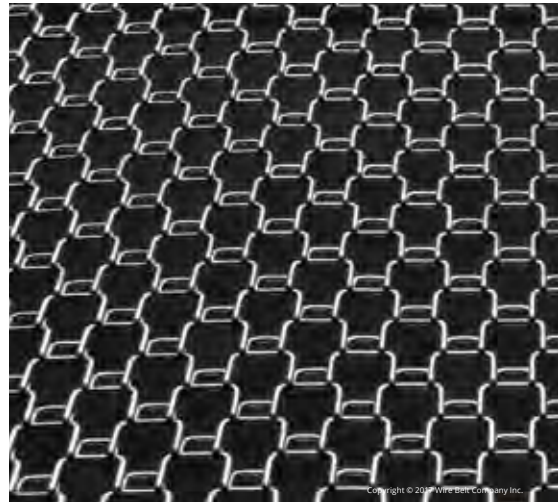
# Compact-Grid<sup>™</sup> Conveyor Belts

## Improve efficiencies and your bottom line

Compact-Grid<sup>™</sup> stainless steel conveyor belt is engineered to offer superior support for small products. The unique grid pattern provides 70% open area which makes it easy-to-clean and offers exceptional air and liquid flow-through properties for heating, cooling and coating operations. Compact-Grid's no-slip positive drive provides the highest standard in belt tracking, which means the belt will run straight and true even under heavy loads. Joining Compact-Grid is fast and simple, making belt installation easy.

### Compact-Grid<sup>™</sup> Advantages:

- Superior support for smaller products
- Belt joining is fast and simple
- Excellent belt tracking, positive drive design
- No welds as in competitive style belts
- Easy to clean, clean-in-place
- No places for product particles to be trapped
- Lighter weight than many comparable belts
- Perfect for frying, cooking, and cooling applications
- 70% open area design allows for excellent drainage and airflow in both coating and heating/cooling operations
- USDA Accepted





Freezing applications

### Typical Compact-Grid™ Applications

Compact-Grid™ conveyor belt is designed for maximum product support and has many and varied applications. Some of the typical applications are listed below. If you have an application that is not on the list, contact our Technical Sales Engineers to see if Compact-Grid™ is right for your needs.

- Baking
- Breeding
- Coating
- Cooling
- Cooking
- Drying
- Elevating
- Enrobing
- Freezing
- Frying
- Heating
- Washing



Frying



Optional flights for elevating

## COMPACT-GRID™ CONVEYOR BELTS



Coating



Cooking



Breading

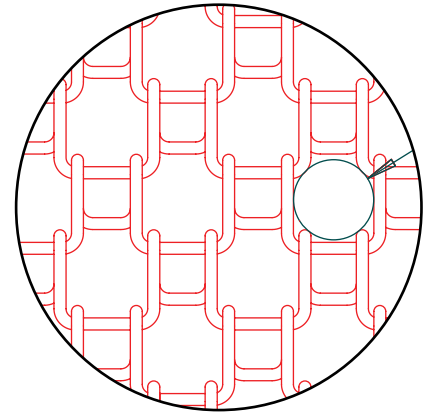


Baking

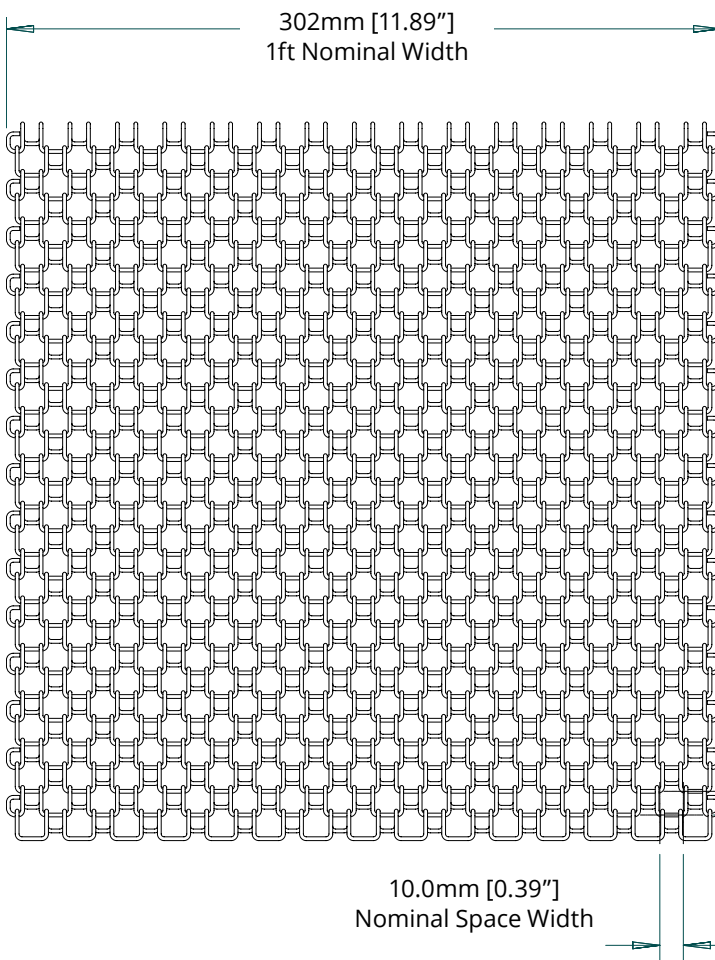
### Standard Belt Data

Pitch	10mm
Space Width (average)	10mm
Wire Diameter	1.6mm
Belt Thickness	5.2mm
Weight	4.9 kg/m <sup>2</sup>
Percent Open Area	70%
Opening Size (largest opening)	ø10.6mm circle
Min Width	282mm
Max Width	3662mm
Max Working Tension	2.27 kg/joint • 227 kg/mtr width
Max Speed	45.7 m/min
Min Transfer Diameter	16mm
Min Drive Sprocket Diameter	51mm (8 teeth)
Available Materials	1.4310 (302) Stainless Steel 1.4401 (316) Stainless Steel

ø10.6mm [ø0.42"]  
LARGEST CIRCULAR  
OPENING



ACTUAL SIZE



5.2mm [0.20"]  
Belt Thickness



Belt Width Availability

Belt No.	Belt Width (mm)	Number of Spaces	Belt No.	Belt Width (mm)	Number of Spaces	Belt No.	Belt Width (mm)	Number of Spaces
CG00000	282	27	CG00057	1422	141	CG00114	2562	255
CG00001	302	29	CG00058	1442	143	CG00115	2582	257
CG00002	322	31	CG00059	1462	145	CG00116	2602	259
CG00003	342	33	CG00060	1482	147	CG00117	2622	261
CG00004	362	35	CG00061	1502	149	CG00118	2642	263
CG00005	382	37	CG00062	1522	151	CG00119	2662	265
CG00006	402	39	CG00063	1542	153	CG00120	2682	267
CG00007	422	41	CG00064	1562	155	CG00121	2702	269
CG00008	442	43	CG00065	1582	157	CG00122	2722	271
CG00009	462	45	CG00066	1602	159	CG00123	2742	273
CG00010	482	47	CG00067	1622	161	CG00124	2762	275
CG00011	502	49	CG00068	1642	163	CG00125	2782	277
CG00012	522	51	CG00069	1662	165	CG00126	2802	279
CG00013	542	53	CG00070	1682	167	CG00127	2822	281
CG00014	562	55	CG00071	1702	169	CG00128	2842	283
CG00015	582	57	CG00072	1722	171	CG00129	2862	285
CG00016	602	59	CG00073	1742	173	CG00130	2882	287
CG00017	622	61	CG00074	1762	175	CG00131	2902	289
CG00018	642	63	CG00075	1782	177	CG00132	2922	291
CG00019	662	65	CG00076	1802	179	CG00133	2942	293
CG00020	682	67	CG00077	1822	181	CG00134	2962	295
CG00021	702	69	CG00078	1842	183	CG00135	2982	297
CG00022	722	71	CG00079	1862	185	CG00136	3002	299
CG00023	742	73	CG00080	1882	187	CG00137	3022	301
CG00024	762	75	CG00081	1902	189	CG00138	3042	303
CG00025	782	77	CG00082	1922	191	CG00139	3062	305
CG00026	802	79	CG00083	1942	193	CG00140	3082	307
CG00027	822	81	CG00084	1962	195	CG00141	3102	309
CG00028	842	83	CG00085	1982	197	CG00142	3122	311
CG00029	862	85	CG00086	2002	199	CG00143	3142	313
CG00030	882	87	CG00087	2022	201	CG00144	3162	315
CG00031	902	89	CG00088	2042	203	CG00145	3182	317
CG00032	922	91	CG00089	2062	205	CG00146	3202	319
CG00033	942	93	CG00090	2082	207	CG00147	3222	321
CG00034	962	95	CG00091	2102	209	CG00148	3242	323
CG00035	982	97	CG00092	2122	211	CG00149	3262	325
CG00036	1002	99	CG00093	2142	213	CG00150	3282	327

### Belt Width Availability Continued

Belt No.	Belt Width (mm)	Number of Spaces	Belt No.	Belt Width (mm)	Number of Spaces	Belt No.	Belt Width (mm)	Number of Spaces
CG00037	1022	101	CG00094	2162	215	CG00151	3302	329
CG00038	1042	103	CG00095	2182	217	CG00152	3322	331
CG00039	1062	105	CG00096	2202	219	CG00153	3342	333
CG00040	1082	107	CG00097	2222	221	CG00154	3362	335
CG00041	1102	109	CG00098	2242	223	CG00155	3382	337
CG00042	1122	111	CG00099	2262	225	CG00156	3402	339
CG00043	1142	113	CG00100	2282	227	CG00157	3422	341
CG00044	1162	115	CG00101	2302	229	CG00158	3442	343
CG00045	1182	117	CG00102	2322	231	CG00159	3462	345
CG00046	1202	119	CG00103	2342	233	CG00160	3482	347
CG00047	1222	121	CG00104	2362	235	CG00161	3502	349
CG00048	1242	123	CG00105	2382	237	CG00162	3522	351
CG00049	1262	125	CG00106	2402	239	CG00163	3542	353
CG00050	1282	127	CG00107	2422	241	CG00164	3562	355
CG00051	1302	129	CG00108	2442	243	CG00165	3582	357
CG00052	1322	131	CG00109	2462	245	CG00166	3602	359
CG00053	1342	133	CG00110	2482	247	CG00167	3622	361
CG00054	1362	135	CG00111	2502	249	CG00168	3642	363
CG00055	1382	137	CG00112	2522	251	CG00169	3662	365
CG00056	1402	139	CG00113	2542	253			

**Note:** Widths are subject to the following manufacturing tolerances:

- 282mm - 802mm:     -0 + 4.75mm
- 822mm - 1302mm:   -0 + 6.35mm
- 1302mm - 2122mm:   -0 + 8.00mm
- 2122mm - 3662mm:   -0 + 9.53mm



## COMPACT-GRID™ DRIVE COMPONENTS



### Three styles of Compact-Grid™ drive component setups:

Compact-Grid™ conveyor belt has three differing styles of drive components available: **1-piece sanitary sprockets**, **3-piece stacking sprockets** and **Slim-Profile sprockets**. The style you use is dependant on factors such as: belt width, belt circuit length, and product loading. Contact our Technical Sales Engineers to see what style would be right for your conveyor setup and application.

#### 1-piece sanitary drive sprockets

Compact-Grid's 1-piece sanitary drive sprockets are made with the highest of hygienic standards in mind. Their one piece design makes them easy to clean, giving debris from your process/application no where to hide.

The 1-piece sanitary design also gives your process the maximum in belt tracking and more consistent conveying under heavier, more demanding loads.



### 3-piece stacking sprockets

The 3-piece stacking drive set includes one tracking guide and two drive sprockets. The idler set includes one guide and two blanks. Various numbers of sets will be required across each shaft, and are determined by the belt width, belt length, and product loading. These sprockets are primarily used on heavier loads. If needed, the stackers are an excellent option for running the belt upside down where the tabs of the belt assist the product on a slight incline.



### Slim-Profile sprockets

Slim-Profile sprockets are designed to be a light weight and energy efficient method for driving Compact-Grid™ conveyor belts. Slim-Profile sprockets have less mass than our 1 or 3-piece options. This means your conveyor won't have to work as hard to keep your process moving.

Slim-Profile sprockets are easy to install and easy to clean on your conveyor. They come in a variety of materials such as stainless steel, polyacetal plastic or high temperature PEEK material.



### Compact-Grid™ Joining Pliers

The Compact-Grid™ joining pliers are manufactured specifically to join the Compact-Grid conveyor belt. The pliers come with two belt joining levers which help facilitate the belt joining process.



### Compact-Grid™ Flights

Compact-Grid™ flights are designed to move product up an incline or down a decline. The width and height of the flight is easily customised to accommodate many variations of products. The flight offers multiple fastening sites to assure integrity through the process.

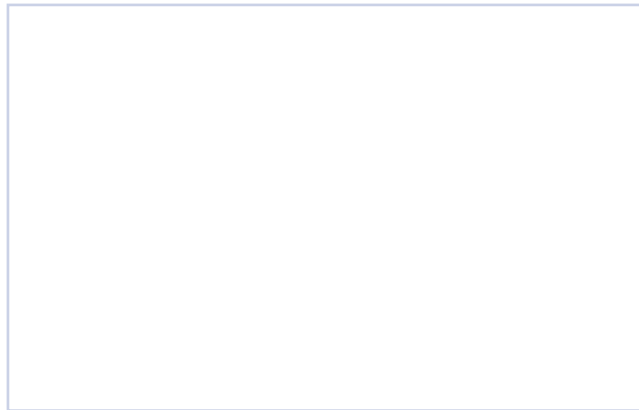
Compact-Grid flights are designed with through-holes and side vents to allow hygienic drainage and drying after cleaning & sanitising. Proven in field testing to outlast most belts, Compact-Grid flights can easily replace many flighted plastic modular belts.





The Trusted Metal Conveyor Belt Manufacturer™

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**Our policy is one of continuous improvement and we reserve the right to change specifications at any time and without notice, or modify these to suit manufacturing processes**

