



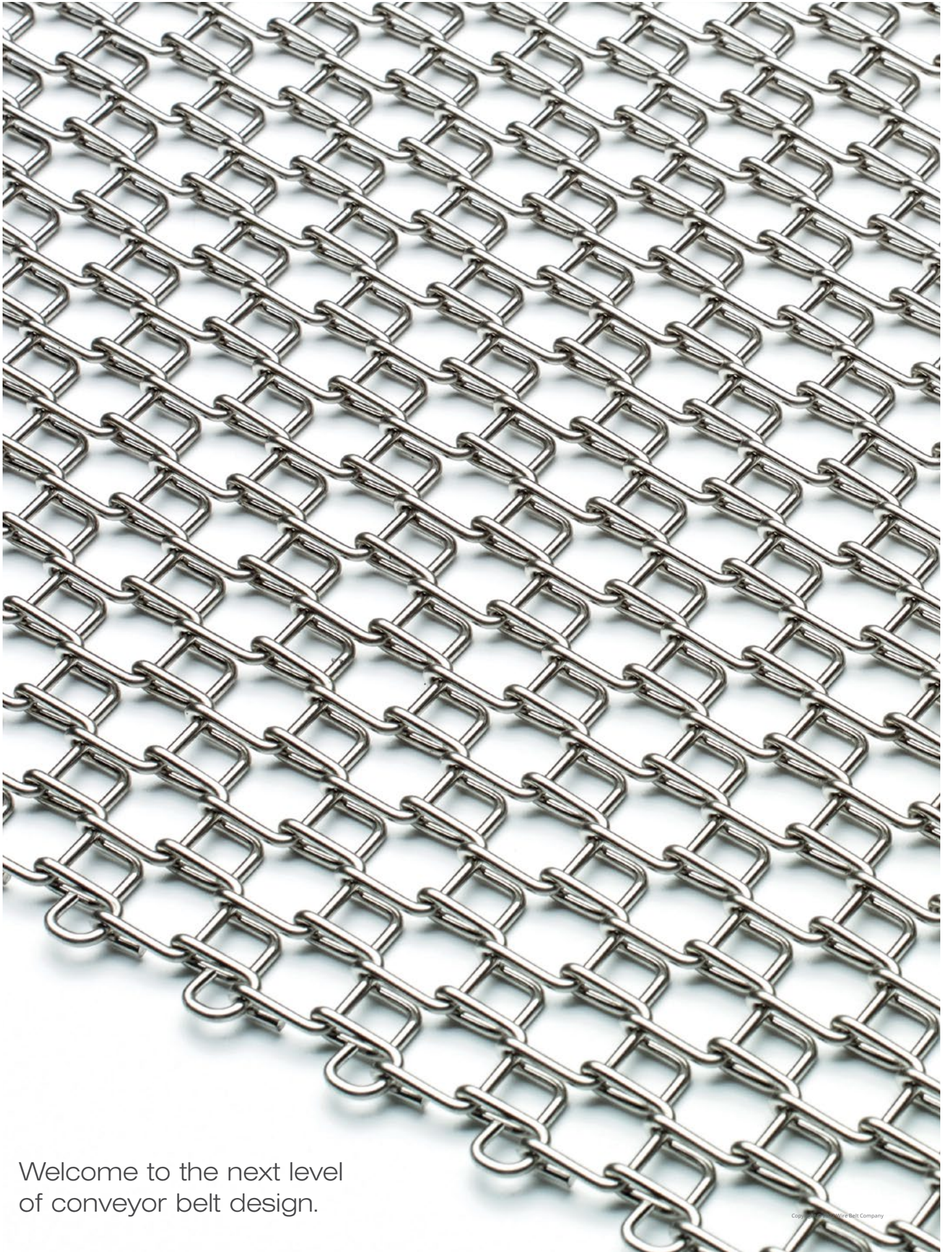
# COMPACT-GRID<sup>™</sup> CONVEYOR BELTS

IMPROVE EFFICIENCIES AND YOUR BOTTOM LINE

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Welcome to the next level  
of conveyor belt design.

# COMPACT-GRID™ CONVEYOR BELTS

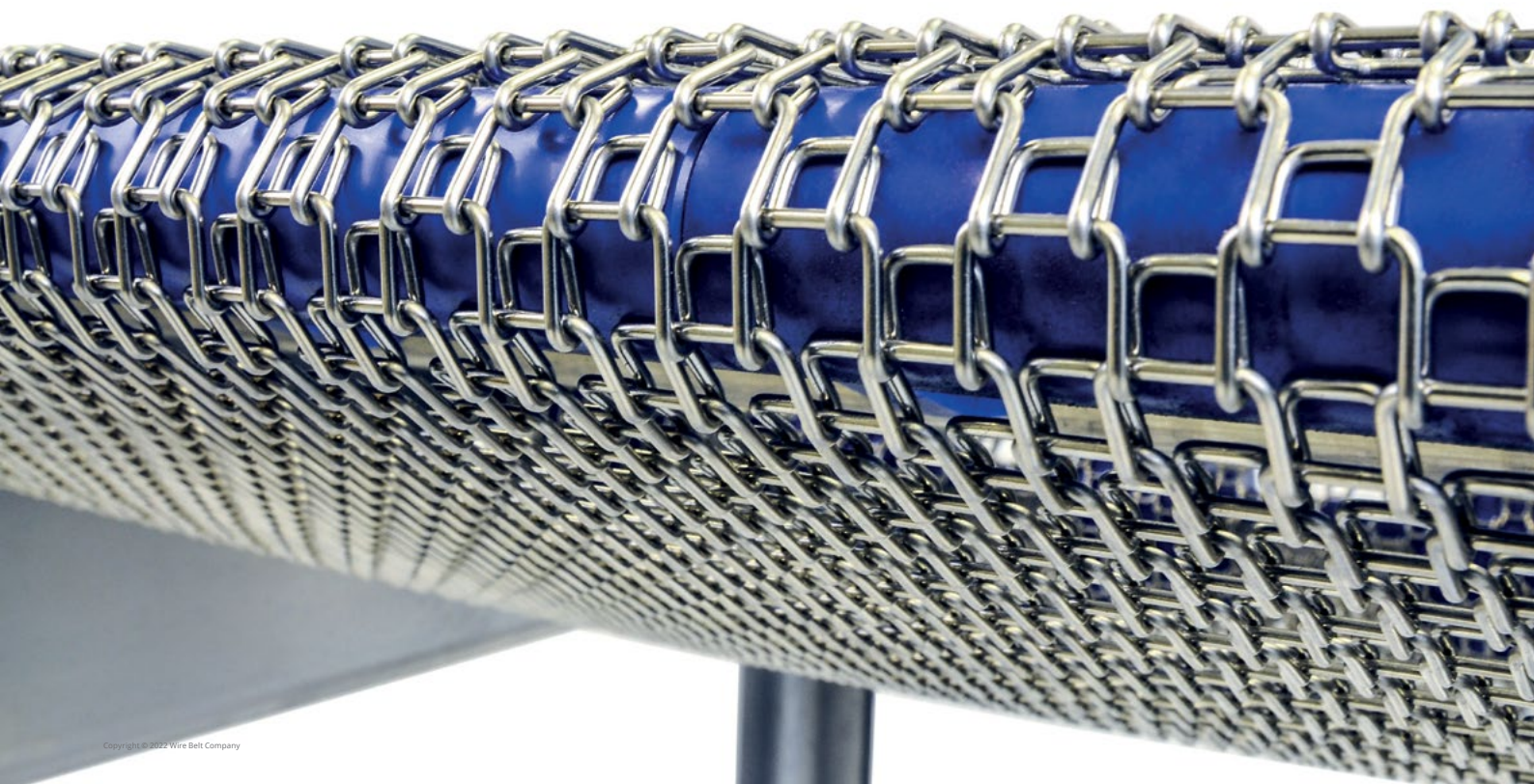
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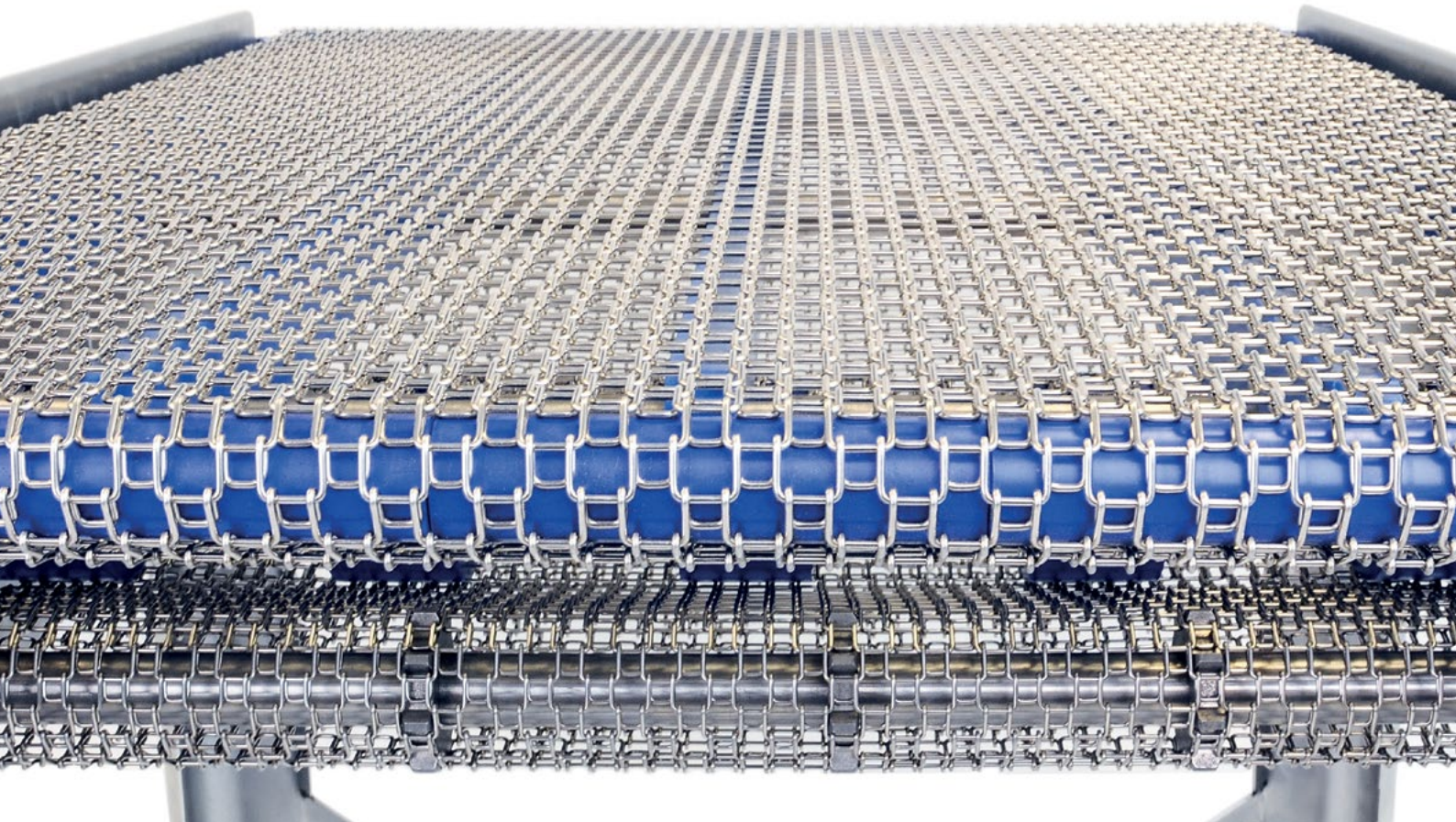
Welcome to the next level of conveyor belt design. Wire Belt Company, the brand you know and trust, introduces Compact-Grid™ conveyor belt, an excellent replacement option for plastic modular belts in the light to medium-duty range of applications.

Compact-Grid's innovative design makes conveyor belt installation and maintenance easy. Compact-Grid™ also gives you the durability you need in demanding operations and sanitation environments.

## ADVANTAGES OF COMPACT-GRID™

- Belt Joining is fast and simple
  - Saving time and labour on installation and maintenance
- Positive drive design for excellent belt tracking
  - Consistent flow in short and long circuits
- Easy to sanitise, clean-in-place
  - Saves time and money, with no place for product particles to be trapped
- Superior support for smaller products
  - Improving product quality during processing
- Designed with 70% open area
  - Excellent drainage and airflow in coating, heating, and cooling applications
- Lighter weight than many comparable belts
  - Improving energy efficiency; lower operating costs





## COMPACT-GRID™ CONVEYOR BELTS

### TYPICAL APPLICATIONS

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Compact-Grid™ conveyor belt is designed for maximum product support and has many and varied applications.

Some of the typical applications are listed below here, if you have an application that is not on the list, contact our Technical Sales Engineers to see if our Compact-Grid™ is suitable for your application.

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



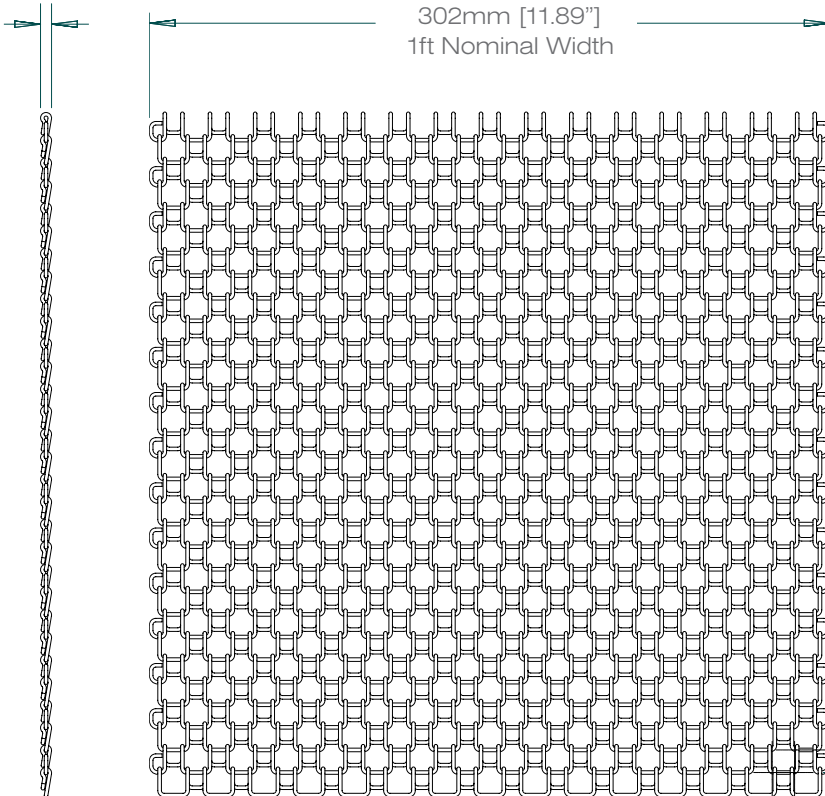
# COMPACT-GRID™ CONVEYOR BELTS

## BELT DATA

### STANDARD BELT DATA

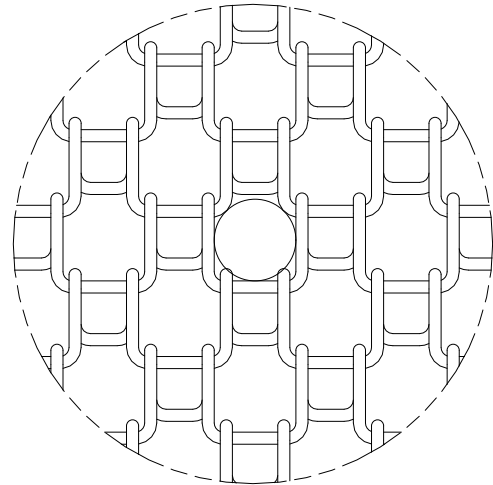
Pitch	10mm
Space Width (average)	10mm
Wire Diameter	1.6mm
Belt Thickness	5.2mm
Weight	4.9 kg/m <sup>2</sup>
Percent Open Area	70%
Opening Size (largest opening)	ø10.6mm circle
Min Width	282mm
Max Width	3662mm
Max Working Tension	2.27 kg/joint • 227 kg/mtr width
Max Speed	45.7 m/min
Min Transfer Diameter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

5.2mm [0.20"]  
Belt Thickness

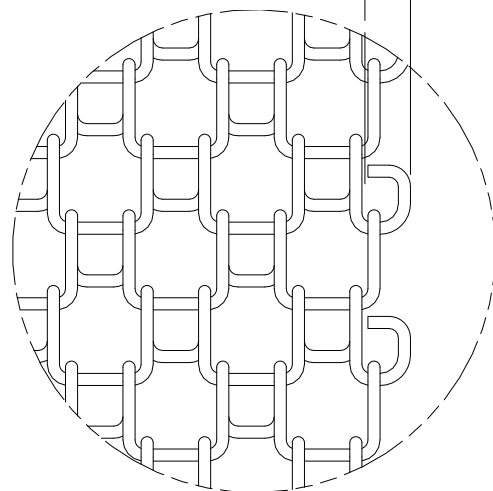


10.0mm [0.39"]  
Nominal Space Width

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



6.0mm [0.24"]  
END SIZE



SCALE 1 : 1

10.0mm [0.39"]  
Pitch



## BELT WIDTH AVAILABILITY

Belt No	Belt width (mm)	No. of Spaces
CG00000	282	27
CG00001	302	29
CG00002	322	31
CG00003	342	33
CG00004	362	35
CG00005	382	37
CG00006	402	39
CG00007	422	41
CG00008	442	43
CG00009	462	45
CG00010	482	47
CG00011	502	49
CG00012	522	51
CG00013	542	53
CG00014	562	55
CG00015	582	57
CG00016	602	59
CG00017	622	61
CG00018	642	63
CG00019	662	65
CG00020	682	67
CG00021	702	69
CG00022	722	71
CG00023	742	73
CG00024	762	75
CG00025	782	77
CG00026	802	79
CG00027	822	81
CG00028	842	83
CG00029	862	85
CG00030	882	87
CG00031	902	89
CG00032	922	91
CG00033	942	93
CG00034	962	95
CG00035	982	97
CG00036	1002	99
CG00037	1022	101
CG00038	1042	103
CG00039	1062	105
CG00040	1082	107
CG00041	1102	109
CG00042	1122	111
CG00043	1142	113

Belt No	Belt width (mm)	No. of Spaces
CG00044	1162	115
CG00045	1182	117
CG00046	1202	119
CG00047	1222	121
CG00048	1242	123
CG00049	1262	125
CG00050	1282	127
CG00051	1302	129
CG00052	1322	131
CG00053	1342	133
CG00054	1362	135
CG00055	1382	137
CG00056	1402	139
CG00057	1422	141
CG00058	1442	143
CG00059	1462	145
CG00060	1482	147
CG00061	1502	149
CG00062	1522	151
CG00063	1542	153
CG00064	1562	155
CG00065	1582	157
CG00066	1602	159
CG00067	1622	161
CG00068	1642	163
CG00069	1662	165
CG00070	1682	167
CG00071	1702	169
CG00072	1722	171
CG00073	1742	173
CG00074	1762	175
CG00075	1782	177
CG00076	1802	179
CG00077	1822	181
CG00078	1842	183
CG00079	1862	185
CG00080	1882	187
CG00081	1902	189
CG00082	1922	191
CG00083	1942	193
CG00084	1962	195
CG00085	1982	197
CG00086	2002	199
CG00087	2022	201

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

## BELT WIDTH AVAILABILITY

Belt No	Belt width (mm)	No. of Spaces
CG00088	2042	203
CG00089	2062	205
CG00090	2082	207
CG00091	2102	209
CG00092	2122	211
CG00093	2142	213
CG00094	2162	215
CG00095	2182	217
CG00096	2202	219
CG00097	2222	221
CG00098	2242	223
CG00099	2262	225
CG00100	2282	227
CG00101	2302	229
CG00102	2322	231
CG00103	2342	233
CG00104	2362	235
<b>CG00105</b>	<b>2382</b>	<b>237</b>
CG00106	2402	239
CG00107	2422	241
CG00108	2442	243
CG00109	2462	245
CG00110	2482	247
CG00111	2502	249
CG00112	2522	251
CG00113	2542	253
CG00114	2562	255
CG00115	2582	257
CG00116	2602	259
CG00117	2622	261
CG00118	2642	263
CG00119	2662	265
CG00120	2682	267
CG00121	2702	269
CG00122	2722	271
CG00123	2742	273
CG00124	2762	275
CG00125	2782	277
CG00126	2802	279
CG00127	2822	281
CG00128	2842	283
CG00129	2862	285
CG00130	2882	287
CG00131	2902	289

Belt No	Belt width (mm)	No. of Spaces
CG00132	2922	291
CG00133	2942	293
CG00134	2962	295
CG00135	2982	297
CG00136	3002	299
CG00137	3022	301
CG00138	3042	303
CG00139	3062	305
CG00140	3082	307
CG00141	3102	309
CG00142	3122	311
CG00143	3142	313
CG00144	3162	315
CG00145	3182	317
CG00146	3202	319
CG00147	3222	321
CG00148	3242	323
CG00149	3262	325
CG00150	3282	327
CG00151	3302	329
CG00152	3322	331
CG00153	3342	333
CG00154	3362	335
CG00155	3382	337
CG00156	3402	339
CG00157	3422	341
CG00158	3442	343
CG00159	3462	345
CG00160	3482	347
CG00161	3502	349
CG00162	3522	351
CG00163	3542	353
CG00164	3562	355
CG00165	3582	357
CG00166	3602	359
CG00167	3622	361
CG00168	3642	363
CG00169	3662	365

Note: Widths are subject to the following manufacturing tolerances.

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2122mm - 3662mm:	-0 + 9.53mm

# COMPACT-GRID™ DRIVE COMPONENTS

## THREE STYLES OF SETUPS

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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™ CONVEYOR BELTS

## ACCESSORIES

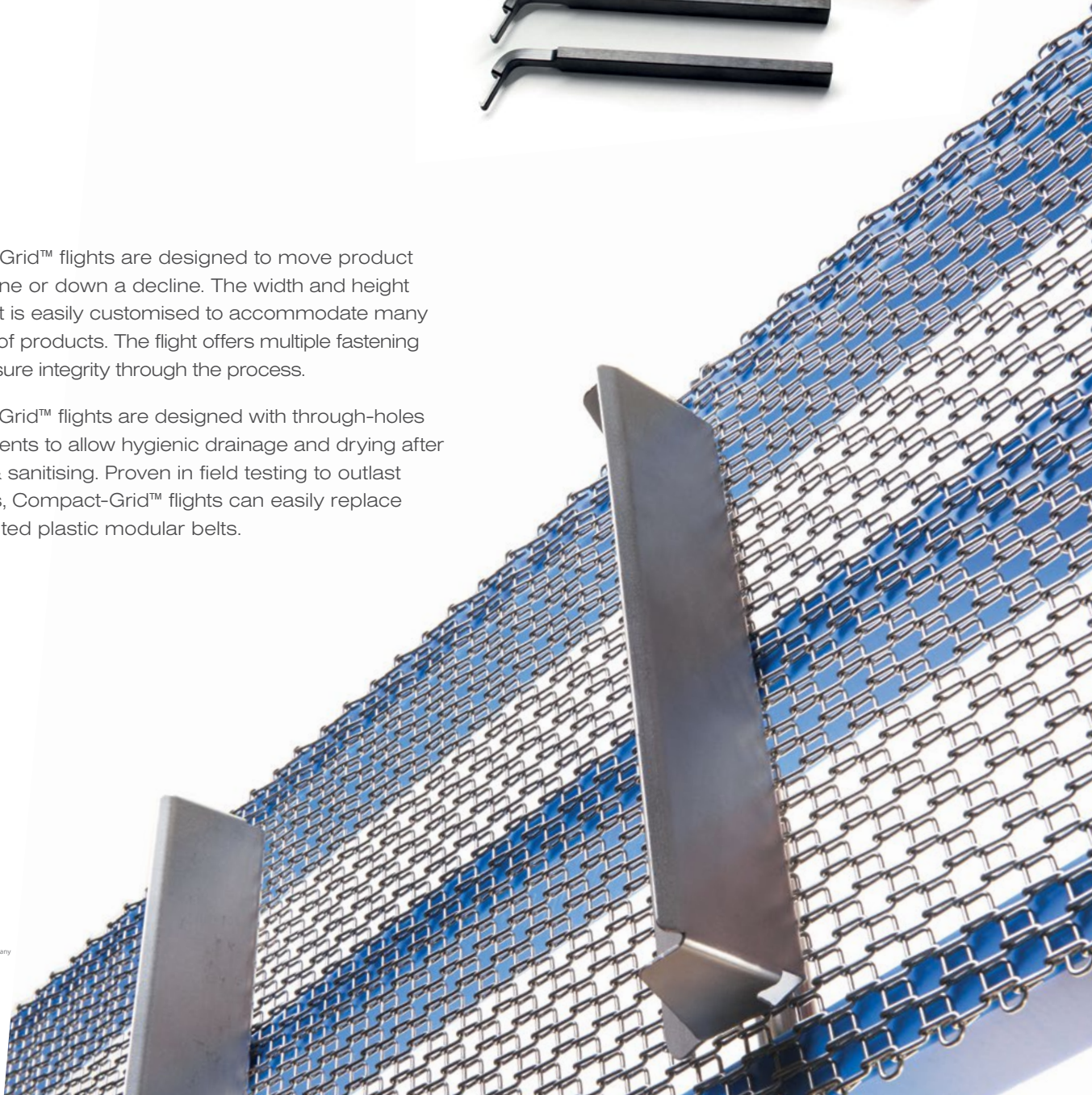
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The Compact-Grid™ joining pliers are manufactured specifically to join the Compact-Grid™ conveyor belt. The pliers come with two belt joining levers which help facilitate the belt joining process.



Compact-Grid™ flights 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.





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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.

