





BELTECH MODULAR BELTS Product Overview



ABOUT US

Established in 1974 as a single bearing shop in Durban, South Africa; BMG's aggressive growth strategy has included acquisitions, supplemented by a steady organic growth discipline. BMG attracts best-of-breed talent resulting in technical expertise that differentiates BMG in the industry. Staff are truly part of the BMG family and its success.

BMG boasts an accredited in-house technical and commercial training academy which fosters a culture of staff development and career advancement; it's all about sustainability.

The net result, is a company that reliably supplies and supports 70 000 customers in 15 countries with the widest range of industrial engineered products and expert services in Africa via 105 branches.

BMG is positioned to deliver bespoke 360 degree solutions to its customers, and subsequently return on investment to its investors and shareholders. BMG plays a pivotal role in supporting the productivity and production targets of all Industrial, Manufacturing, Mining and Agricultural sectors of the economies in the countries it serves. With an enviable reputation as Africa's largest distributor, manufacturer and service provider of the highest quality engineering consumables and components; including

- Bearings & Seals
- Power Transmission Components
- Drives, Motors and Controllers
- Hydraulics, Pneumatics and Filtration
- Heavy and Light Duty Materials Handling
- Valves and Lubrication
- Fasteners, Gaskets and Tools

BMG is a level 4 BEE contributor with ISO 9001 Quality Assurance certification. Health and safety of its employees and customers is a paramount focus and the company adheres to ISO 45001. BMG is also committed to environmental care and sustainability and strictly follows the ISO 14001 charter.

As a key contributor to the Invicta Holdings stable, BMG has played a major part in Invicta's unique achievement of being rated in South Africa's Top 100 Companies for 21 consecutive years.



INDEX

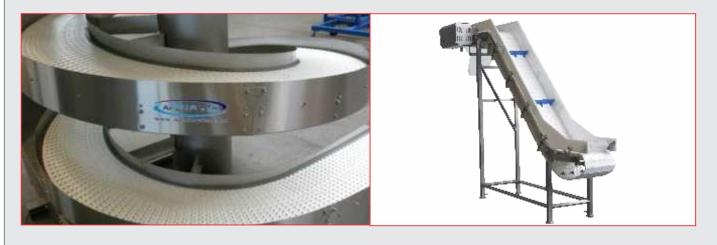
Introduction	1
Material & Colour Overview	2-3
Belt Systems	4
Product Regulation Approvals	5
Belt Options	6-10
Belt Data	11
Flights, Sideguards & Scoops	12
Sprocket Data	13
Sprocket & Wearstrip Guideline	14
Application	15-16
Troubleshooting	17-18
Technical Data Sheet	19-20



INTRODUCTION

BMG is the sole distributors of Ameraal Beltech products in South Africa, which includes the UniChain plastic modular belting, manufactured in Denmark.

BMG stock the 1/2", 1" and 2" pitch belts in various styles and materials, such as polypropylene, polyethene, polyoxymethylene (Acetal), and polyamide. These belts are closed top and flush grid in blue, white or natural colour.







UNI MATERIAL & COLOUR OVERVIEW

Material	Color	Description
POM-SLF	BY	POM is a thermoplastic material with excellent mechanical and thermal properties. The material is classified by its exceptional strength, stiffness and its dimensional stability. POM is resistant to a wide variety of chemicals. POM has excellent bearing qualities, moderate coefficient of friction and great resistance to wear.
POM-SLF	B P D E Y O BR T W LG G DG K N	POM polymers with self-lubricating additives to obtain the lowest possible coefficient of friction.
РР	BW	Polypropylene is a thermoplastic material with excellent chemical resistance properties. PP is an economical material for applications with high temperatures.
PE	B	Use Polyethene low-temperature applications and where high impact resistance is required.
PE-I	B P D E Y O T W G K N	Polyethene with improved impact resistance.
РВТ	LGN	PBT is a polybutylene terephthalate material. This material has excellent wear and friction properties as well as superior hardness and stiffness properties.
PA6.6	B D O W K N	Polyamide PA6.6 is a thermoplastic material with many distinct properties. The material has a high resistance to wear, great strength and stiffness. Polyamide also has a broad temperature range.
PA6.6-GFH	BOK	PA6.6-GFH is a special heat-stabilized polyamide PA6.6 with glass fibre reinforcement. The base material is still PA6.6 with its related properties, like excellent strength and stiffness. The base material has a high resistance to wear, and the glass fibre contributes to increasing these properties. The PA6.6-GFH is heat resistant and suitable for applications exposed to extreme heat for extended periods.

NOTE: PA materials absorb water in wet environments, which causes the expansion of the dimension with approximately 1 to 2%, depending on the temperature level and the air humidity. This is valid for all polyamide variations.

UNI MATERIAL & COLOUR OVERVIEW

Polymer Materials

Delawara Matariala	Temperat	ure range		
Polymer Materials	°C	°F	Load index ¹⁾	Food Grade⁵)
	-40 to 90	-40 to 194	100	
POM DK - Wear-resistant Polyoxymethylen	-40 to 90	-40 to 194	100	-
POM DAS and NLAS - Antistatic Polyoxymethylen	-40 to 90	-40 to 194	100	-
POM EC - Electrically Conductive Polyoxymethylene	-40 to 90	-40 to 194	60	-
PP - Polypropylene ²¹³¹	1 to 104	34 to 219	50	
PPI - Impact-resistant Polypropylene	-10 to 80	14 to 176	40	
PPMI - Metal-detectable Polypropylene	-10 to 80	14 to 176	35	
PPHW - Hot Water Polypropylene	1 to 104	34 to 219	50	
PP AR - Acid Resistance & glass-filled Polypropylene	1 to 104	34 to 219	50	-
PE - Polyethylene	-50 to 80	-58 to 176	40	
PE I - High Impact Resistant Polyethylene	-50 to 80	-58 to 176	30	
PEMI - Metal-detectable Polyethylene	-50 to 80	-58 to 176	30	
PBT - Polyester ⁴⁾	-40 to 100	-40 to 212	-	
PBT GR - Glass-reinforced Polyester ⁴⁾	-40 t0 125	-40 to 257	70	-
PA6 - Polyamide	-40 to 120	-40 to 248	100	
Pa6 GF - Glass-filled Polyamide	-40 to 120	-40 to 248	100	-
PA6.6 - Polyamide	-40 to 140	-40 to 284	100	
PA6.6 H - Heat-stabilized Polyamide	-40 to 160	-40 to 320	100	-
PA6.6 GFH - Glass-filled & Heat-stabilized Polyamide	-40 to180	-40 to 356	100	
PA FR - Flame-retardant Polyamide	-40 to 120	-40 to 248	90	-
PVDF - Polyvinylidenfluoride	-40 to 100	-40 to 212	10	 ✓
PC - Polycarbonate	-20 to 130	-40 to 266	50	-
POX-FREC - Flame-retardant & Electrically Conductive Material	-30 to 110	-40 to 230	65	-
POX-FR - Flame-retardant Material	-40 to 125	-40 to 257	100	
NBWR - High-impact & Wear-resistance Material	-30 to 80	-22 to 176	30	

• The load indexation values are for 23 °C only indicative, the geometry of the items will also have an affect

• Avoid impacts below 8°C

• In wet hot applications use PPHW

- Maximum Temperature in 60°C
- Not all colors are tested according to EC 1935

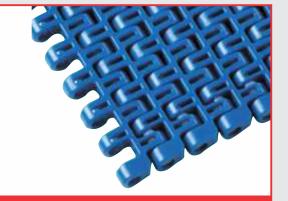
BELT SYSTEM SURFACE OPTIONS

					Surfaces				
Openings	Flat	Grip	No Cling	Reduced Contact	Rib Top	Roller Top	Rough Top	Rubber Top	V-style
	Uni M-QNB C							Uni M-QNB Rubber Top	
0%	Uni S-MPB C Uni QNB C							Uni Light Rough Rubber Top Uni QNB Rubber Top	
20%	Uni SNB M2 Uni MPB							Uni SNB M2 Rubber Top	
22%	Uni MPB								
34%	Uni SNB M2				Uni SNB M2 34% Rib				
36%				Uni L-SNB	Uni L-SNB Rib				
37%	Uni M-TTB			Uni M-TTB CS					
43%	Uni Flex ASB Uni Flex ASB T			Uni Flex ASB CS Uni Flex ASB CS T					
66%				Uni OWL					

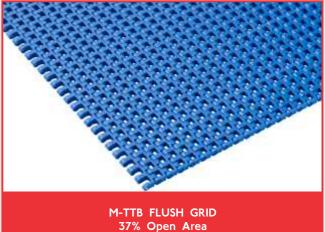


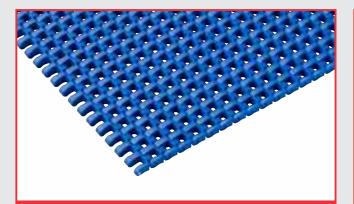
FDA Approvals	USDA A	USDA Approvals			
 FDA US Food & Drug Administration US Federal Agency approves materials for use with food contact. The Uni-chains product range holds the following FDA approved materials: POM-D, POM-DI, POM-LF, POM-SLF, POM-NL & POM-S PP, PP-I, PP-MI, PP-HW PE , PE-I, PE-MI PVDF PA6, PA6.6, PA6.6-GFH UV additive PBT 	US Department of Agriculture USDA evaluates and accepts products and equipment for use in the dairy, meat, and poultry industries. In the 'USDA's Accepted Meat and Poultry Equipment' book, the Uni-chains belts were listed, acquired for food contact and packaged goods. USDA inspectors accept belt styles on an individual plant basis. USDA's Dairy Grading Branch has issued Equipment Acceptance Certificates for the belt types listed on this page under USDA Dairy Accepted.	USDA Dairy Approval • Uni MPB, Uni MPB G, Uni MPB GE , Uni MPB N, Uni MPB NE, Uni MPB 18%, Uni MPB 20% & Uni MPB 22% • Uni CNB C, Uni CNB 18% & Uni CNB 22%			
 FDA & EC1935/2004 Ammeraal Beltech Modular A/S declares that the materials in the belt type meet the requirements mentioned in Title 21: Code of Federal Regulations, issued by the FDA according to paragraph 177 .2600 for all wrapped and unwrapped foodstuffs. The listed materials comply with the requirements: POM (D, DI, LF, SLF & SX) PP & PP-I PE & PE-I PA6.6, PA6.6-GFH 	USDA Accepted Meat & Poultry Equipment (Food Contact) • Uni SNB series • Uni OPB 4C, Uni OPB 4V C, Uni OPB 4V 23%, Uni OPB 4V 36%, Uni OPB 8C & Uni OPB 8 25%	USDA Equipment Acceptance Certificate in compliance with NSF-3A-14159-003. Hygiene requirements for design of mechanical belt conveyors used in meat & poultry processing. The approval covers the following products: • Uni MPB Single Link & bricklayed belts • Uni MPB Product Supports & Side Guards • Uni MPB Sprockets • Uni Flex ONE • Uni X-MPB			
	USDA Accepted Meat & Poultry Equipment (Packaged Product only) • Uni Light • Uni SNB series • Uni OPB 4C, Uni OPB 4V C, Uni OPB 4V 23%, uni OPB 4V 36%, Uni OPB 8C & Uni OPB 8				

STRAIGHT RUNNING 12.7 mm (1/2")



M-SNB M3 FLUSH GRID 14% Open Area





M-TTB CS FLUSH GRID 37% Curved Surface



M-QNB C FLAT TOP Closed

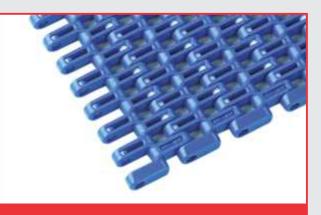


M-QNB R/TOP Flat Top Rubber Top

STRAIGHT RUNNING 25.4 mm (1")



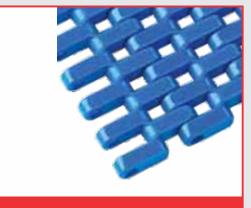
S-MPB C FLAT TOP Closed



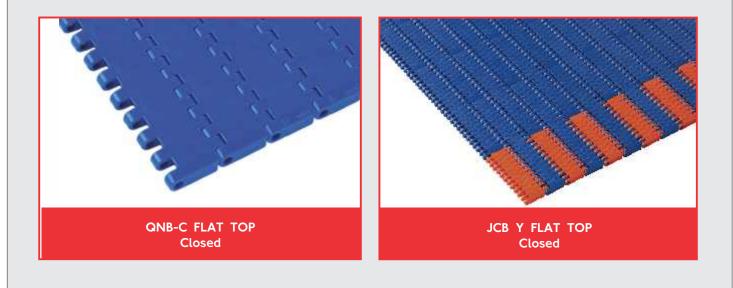
SNB M2 FLUSH GRID 34% Open Area



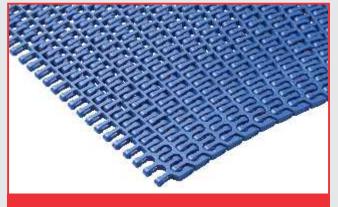
34% open area



SNB M2 FLUSH GRID 20% Open Area



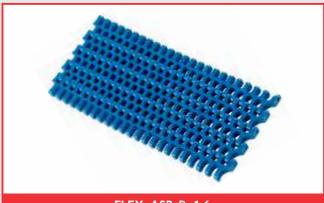
SIDEFLEXING



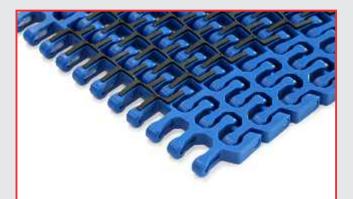
FLEX L-ASB Side-flexing 50.8mm (2")



FLEX ONE O Side-flexing Pinless 38.1mm (1.5")



FLEX ASB-R 1.6 Side-flexing 25.4mm (1") 43% Open Area



Flex ASB 2.2 Side-flexing 25,4mm (1") Rubber Top

STRAIGHT RUNNING 50.8 mm (2")



MPB C FLAT TOP Closed



MPB FLAT TOP 20% Perforated



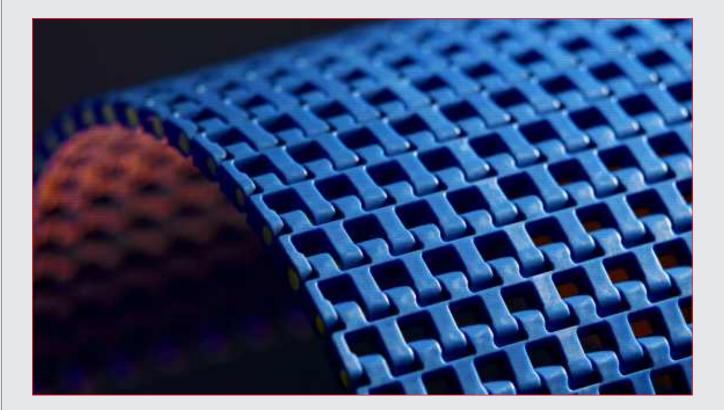


NON-STANDARD





NTB Flat Top Close Nosebar 8 mm (0.3")



D

BELT DATA

EX Stock RSA

Belt Type	Style	Pitch in/mm	Material/ Colour	Belt Thickness	Pin Diameter	Tensile Strength N/M	Belt Weight kg/M2	Habasit Equivalent
M-QNB C	Flat Top	0.5"/12.7	POM BLUE	8.8 mm	5 mm	19000	8.2	M1220
M-QNB C	Flat Top	0.5"/12.7	PE BLUE	8.8 mm	5 mm	8000	5.9	M1220
M-QNB C	Flat Top	0.5"/12.7	PP WHITE	8.8 mm	5 mm	13000	6.1	M1220
M-QNB	Rubber Top	0.5"/12.7	PP GREY/BLACK	11 mm	5 mm	13000	6.3	M1220
S-MPB C	Flat Top	1"/25.4	PP WHITE	10.3 mm	5 mm	9500	5.6	M2510
S-MPB C	Flat Top	1"25.4	PE NAT	10.3 mm	5 mm	7850	5.7	M2510
JCB Y	Flat Top	1"/25.4	POM BLUE	8.4 mm	4 mm	32100	6.0	M2470
QNB C	Flat Top	1"/25.4	POM BLUE	8.8 mm	5 mm	35000	8.4	M2470
QNB RT	Rubber Top	1"/25.4	PP BLUE/BLACK	13.3 mm	5 mm	35000	7.0	M2520
MPB C	Flat Top	2"/50.8	PP WHITE	16 mm	8 mm	16000	8.3	M5010
MPB C	Flat Top	2"/50.8	PE BLUE	16 mm	8 mm	13000	8.8	M5010
MPB C RT	Rubber Top	2"/50.8	PP WHITE	19.5 mm	8 mm	16000	8.3	M5010

Belt Type	Style	Pitch in/mm	Material/ Colour	Belt Thickness	Pin dia	Tensile Strength N/M	Belt Weight kg/M2	Habasit Equivalent
M-SNB M3	Flush Grid 14%	0.5"/12.7	POM BLUE	8.8 mm	5 mm	15000	6.3	M1233
M-TTB	Flush Grid 37%	0.5"/12.7	PE BLUE	7.5 mm	4 mm	8000	5.8	M1233
M-TTB	Flush Grid 37	0.5"/12.7	PP WHITE	7.5 mm	4 mm	13000	4.2	M1233
Flex ASB2.2	SideFlexing 43%	1"/25.4	PP WHITE/BLUE	12 mm	4 mm	12500	5.2	M2540
Flex ASB CS	SideFlexing 43% CS	1"/25.4	POM BLUE	14.2 mm	4 mm	18800	8.3	M2540
Flex ASB R1.6	SideFlexing 43%	1"/25.4	POM BLUE	12 mm	4 mm	12700	5.2	M2544
Flex ASB TAB	SideFlexing 43%	1"/25.4	POM BLUE	12 mm	4 mm	12700	5.2	M2544 TAB
Flex ASB RT	SideFlexing 43%	1"/25.4	PP BLUE	15 mm	4 mm	12700	5.2	M2540 RT
SNB M2	Flush Grid 20%	1"/25.4	PP WHITE	8.8 mm	5 mm	15000	4.9	M2533
SNB M2	Flush Grid 20%	1"/25.4	PP BLUE	8.8 mm	5 mm	15000	4.9	M2533
SNB M2	Flush Grid 34%	1"/25.4	POM BLUE	8.8 mm	5 mm	15000	6.3	M2533
SNB M2	Raised Rib 34%	1"/25.4	PP BLUE	13.3 mm	5 mm	15000	5.5	M2531
SNB M2	Raised Rib 34%	1"/25.4	POM BLUE	13.3 mm	5 mm	23500	8.9	M2531
OWL	Flush Grid 66%	1.1"/27.9	PA66 GFH/BLACK	11 mm	4 mm	12000	7.7	KVPF52
MPB 20%	Flush Grid	2"/50.8	PE NAT	16 mm	8 mm	13000	7.9	M5011
MPB 22%	Flush Grid	2"/50.8	PE BLUE	16 mm	8 mm	13000	7.6	M5032
MPB 22%	Flush Grid	2"/50.8	PE NAT	16 mm	8 mm	13000	7.6	M5032
MPB 22%	Flush Grid	2"/50.8	PP BLUE	16 mm	8 mm	16000	7.2	M5032
MPB 22%	Flush Grid	2"/50.8	PP WHITE	16 mm	8 mm	16000	7.2	M5032
MPB 22%	Flush Grid	2"/50.8	POM WHITE	16 mm	8 mm	27500	11.9	M5010
L-SNB 36%	Raised Rib	1.97"/50	PP L.BLUE	22 mm	8 mm	29800	9.8	M5131
L-SNB 36%	Flush Grid	1.97"/50	PP WHITE	16 mm	8 mm	17500	6.7	M5033

PRODUCT SUPPORTS (FLIGHTS)

Belt Type	Flat	No Cling	13% NC	Flat CS	Micro	Bent (Scoop)
M-TTB		POM-D BLUE 25,4				
S-MPB		PPB/PPW 50.8	PPB 76.2	PEB/PPW 76.2		
SNB M2		PPB 76.2				
SNB M2		PPB/PPW 101.6				
SNB M2		PEB/PENAT 76.2				PPW 76.2
MPB	PPB/PPW 101.6	PEB/PENAT 101.6				PPW 101.6
MPB	PPW/PPB/PENAT 152.4					PPW/PPB 152.4
MPB		PP BLUE 25.4				
QNB						

SIDE GUARDS

S-MPB/SNB	PPB 50.8	PPW 50.8	
MPB	PPB 50.8	PPB/PPW 76.2	PPW/PPB 101.7
M-TTB	POM D BLUE 25.4		



MPB Product Support Flat

TRANSFER COMBS						
SNB	TYPE	2	FPT BLADE			
SNB	TYPE	25	FPT BLADE			



Side Guard

PIN LOCKS							
PIN	TRI-LOCK	PA 6	NAT				
PIN	TRA-LOCK	PPHW	BLUE				
PIN	Y-LOCK	8 x 18	NAT				
PIN	Y-LOCK	8 x 18	WHITE				
PIN	LOCK	PA 66	OWL BLACK				

PINS								
PIN PA 5 DIA NAT(72/148/223/371/445/595/1128)								
PIN	PPHW	5 DIA	1130	WHITE	LOCK PIN			
PIN	PPHW	8 DIA	1130	LIGHT BLUE	LOCK PIN			
PIN	PP	8 DIA	1130	WHITE	LOCK PIN			
PIN	PE	8 DIA	1127	WHITE	LOCK PIN			
PIN	PBT	8 DIA	1124	GREY	LOCK PIN			
PIN	PP	5 DIA	1120	WHITE	LOCK PIN			
PIN	PP	5 DIA	1120	WHITE	STANDARD			
PIN	PP	4 DIA	663	WHITE	LOCK PIN			
PIN	PA 66	4 DIA	1130	BLUE	LOCK PIN			
PIN	PA 66	4 DIA	331	BLUE	A2 SNAP PIN ASB			
PIN	PA 66	4 DIA	345	BLUE	LOCK PIN ASB			
PIN	PP	4 DIA	633	WHITE	AI SNAP PIN MTT-B			
PIN	PA 66	4 DIA	638	BLUE	A2 SNAP PIN ASB			
PIN	PA 66	4 DIA	653	BLUE	LOCK PIN ASB			
PIN	PP	4 DIA	331	WHITE	A2 SNAP PIN ASB			
PIN	PPW	5 DIA	1134	WHITE	LOCK PIN			
PIN	PPW	5 DIA	598	WHITE	LOCK PIN			
PIN	PPW	5 DIA	302	WHITE	LOCK PIN			

SPROCKET DATA

Belt Type	Sprockets			
M-TTB	15T-25SQ-64.6OD	15T-30RND-64.6OD	24T-38.1RND/40SQ-102.OD	36T-40SQ-152.3OD
M-SNB M3	19T-25RND-79OD	38T-40SQ-157.4OD		
M-QNB	19T-40SQ-79OD			
Flex ASB	12T-30RND-100OD	18T-40SQ-149.3OD	12T-25RND-98OD	
S-MPB	10T-30RND-82.2OD	12T-30RND-98.6OD	20T-40SQ-163.8OD	
SNB M2	10T-30RND/40SQ-86.5OD	12T-30RND/40SQ103.2OD	18T-40SQ-152.70D	20T-40SQ-169.1OD
QNB/JCB	15T-60SQ-121.5OD	19T-60SQ-161OD		
OWL	15T-40SQ-138.4OD			
MPB	6T-40SQ-99.50D	8T40SQ-133OD	10T-30RND/40SQ-166.3OD	12T-40SQ-198.6OD
L-SNR RIB	107-40RND-160OD	16T-40RND-257.3OD		













SPROCKETS & WEARSTRIP SUPPORT

Standard Width	Inch (Nominal)	Min. Sprockets	Wearstrip Top	Wearstip Return
76	3	2	2	2
152	6	2	2	2
228	9	2	2	2
304	12	3	2	2
380	15	3	3	2
456	18	3	3	2
531	21	5	4	3
608	24	5	4	3
683	27	5	5	3
759	30	5	5	3
835	33	7	6	4
911	36	7	6	4
989	39	7	7	5
1063	42	7	7	5
1139	45	9	8	6
1214	48	9	8	6
1290	51	10	9	7
1366	54	10	9	7
1442	57	11	10	7
1518	60	13	10	8
1594	63	13	11	8
1670	66	13	11	8
1746	69	13	12	9
1822	72	13	12	9
1898	75	15	13	9
1973	78	15	13	9
2049	81	15	14	10
2125	84	15	14	10
2201	87	16	15	11
2505	99	18	17	12
2581	102	19	17	13
3036	120	21	20	15

RULE OF THUMB:

Belt width in inches/6, rounded off and add 1 = minimum number of sprockets to be installed.

APPLICATIONS













APPLICATIONS















Tracking Problems

Possible Causes	Proposed Measures
Sprockets are not "timed" correctly.	If the total number of teeth is not divisible by 4, the sprockets must be "timed" by the alignment of the timing marks.
Sprockets on the drive and idle shaft are misaligned; a locked sprocket on the drive or idle has an inaccurate position or could be loose.	The centre sprocket on the drive and idle shafts must be aligned and engaged with the belt. Inspect the retaining devices to guarantee the sprockets are secured.
The conveyor frame is not level and square.	Double-check and adjust if necessary.
Drive and Idle shafts are not level and square with each other.	Check, and adjust if necessary to ensure that the drive and idle shafts are level and square.
Miss splice in the belt.	Inspect the belt for a miss splice.

Sprocket Engagement

Possible Cause	Proposed Measures
Incorrect "A" & "C" Dimensions	Check to see that the shaft is adjusted to provide for the recommended "A" & "C" dimensions
Sprockets Not Timed Correctly	If the total number of teeth are not divisable by 4, the sprockets must be "timed" by the alignment of the timing marks.
Insufficient Belt Tension	Check to see that there is sufficient length for catenary sag located at the recommended area.
Arc of Contact too Small	Min. arc of contact between belt and sprocket approx 150°. In critical cases increase the arc of contact to > or = 180° by installation of support roller

Excessive Sprocket Wear

Possible cause	Proposed measures
Abrasive Material	Improve cleaning or add protective shields to reduce the amount of the material contacting the belt and sprockets
Incorrect Number of Sprockets	Check to see if the minimum number of recommended sprockets are being used. Too few sprockets cause premature sprocket-wear.
Sprockets Not Timed Correctly	If the total number of teeth is not divisible by 4, the sprockets must be "multiplied" by the alignment of the timing marks.
Incorrect "A" & "C" Dimensions	Check to see that the shaft is adjusted to accommodate the recommended "A" and "C" dimensions.
A locked sprocket on the drive or idle has incorrect placement or is loose (sprockets misaligned).	The centre sprocket on the drive and idle shafts must be aligned and engaging the belt. Double-check the retaining devices to guarantee the sprockets are secured.
High Belt Speed	High belt tension will increase belt wear, especially on conveyors with short centerline distances. Reduces belt speed if possible.
High Belt Tension	High belt tension will increase belt wear. Check to ensure that recommended catenary sag is present.

Excessive Belt Wear

Possible Cause	Proposed Measures
Abrasive Material	Improve cleaning or add protective shields to reduce the amount of abrasive material contacting the belt and sprockets
Incorrect Belt Material	Check material specifications to ensure optimal material used. Call Belting Solutions for a recommendation.
Incorrect Wearstrip Material	Check material specifications to ensure optimal material used. Call Belting Solutions for a recommendation.
Incorrect Wearstrip Placement	Check material specifications to ensure optimal material used. Call Belting Solutions for a recommendation.
Method of Product Loading	Reduce the distance the product gets deposited on the belt. If product sliding occurs, refer to material specifications.
High Belt Speed	High belt speeds will increase the wear, especially on conveyors with short centerline distances. Reduce belt speed if possible.

Pivot Rod (Hinge Pin) Migrating Out of Belt

Possible Cause	Proposed Measures
Rods are not correctly seated in snap-in position.	Check if the rod head and edge module are damaged; if necessary, replace or reinstall properly.
The rod elongates due to high load or extreme temperatures.	Shorten the rod and reinstall or replace with a new and shorter rod.

Belt Stretching & Excessive Catenary Sag

Possible Cause	Proposed Measures
Abrasive Material	Improve cleaning or add protective shields to reduce the amount of abrasive material in contact with the belt and sprockets.
Incorrect Tension	Adjust.
Incorrect Belt/Rod Material	Check material combinations used and call Belting Solutions to confirm the correct material application.
High Temperatures	High temperatures cause the belt to elongate drastically. Check if the catenary sag is long enough to compensate the elongation, it might be necessary to install a gravity or pneumatic tensioning device.

TECHNICAL DATA SHEET

Technical Data Sheet for Belt & Chain Applications Metric

Company/Customer:	
Contact Person:	
End User:	

Technical Data

1. Indusry:				
2. Application:				
3. Product Type:				
4. Wrapping/Container:	🗌 None 🗌 Plastic Cont	ainers 🗌 Cardboard [Shrink Wrapped	Flow Pack 🗌 Wood
Plastic trays	eel Trays 🗌 Glass 🗌	Steel Cans 🗌 Alu Ca	ans 🗌 Cross Strappe	ed 🗌 Other
5. Item Size (mm) L x	<i>N</i> : x H:	orØ:	x H: Otl	her:
6. Product Weight	kg/item:	kg/m:	kg/m ²	
7. Throughput:	items/min:	kg/m:	Speed:	m/min.
8. Length of Conveyor C-C:	m	Length of Belt/Ch	ain m	Width of Belt: m
9. Start/Stop Operation:	□ No (continuous drive)	Yes, no.	of Stops p/h	Product Indexing
10. Accumulation:	🗌 No 🗌 Ful	ll 🗌 Partly Le	ngth of Accumulation:	
11. Min./max. Operating Ten	nperature:	°C/	°C	
12. Is the Conveyor Lubricat	ed?: 🗌 Ye	s, type:		No
13. Is the belt/chain exposed to any chemicals during operation?			No	
14. Is the belt/chain exposed	to any chemicals during clea	aning?	Yes, type:	No
15. Conveyor Type:	Belt Cha	ain 🗌 Single Ro	w Parallel Rows	No. of rows
16. Layout (Birdseye)	Straight Running	Side-flex	ing	
17. Horizontal Layout	Straight Inc	cline 🗌 Decline -	if in decline angle to he	orizontal
18. New Conveyor	Ret	crofit Original Bel	t/Chain from:	
19. Belt Type:		or Chain Ty	vpe:	
20. Belt or Chain Pitch:		Belt or Cha	in Color:	
21. Belt or Chain Material:		PE PA] Hardened Steel 🗌 Stair	nless Steel 🗌 Other:
22. Pin Material:	Plastic PP	PE PA] Hardened SteelStair	nless Steel 🗌 Other:
23. Pin Retention System:				

Technical Data Sheet 101	betty chain Applications			
24. Top Accessories	Spacing in	Travel Direction:	Indent:	
25. Side Accessories		Indent From Side:		
26. Bottom Tabs (belt): Spacing	in Travel Direction	No of Rows:	Position	
27. Wearstrip Material:	SS PE HD 1000	PE HD 500 Other		
28. Sprockets Drive End:	Pitch Diameter:	No. of Teeth z=	per shaft	pcs
Idler End:	Pitch Diameter:	No. of Teeth z= (0 if non)	per shaft	pcs
29. Sprockets bore: drive end:	🗌 🌑 🗌 🌑 + keyway	dimension		
30. Form filled in by:		Date:		
31. Skech thef conveyor travel dire	ection & drive motor location belo	w:		
L				

Additional Data

Technical Data Sheet for belt/chain Applications

NOTES

NOTES

NOTES

BRINGING THE WORLD'S BEST BRANDS TO YOU

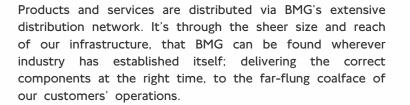
In the bid to procure cutting-edge components at competitive prices, BMG is able to capitalise on long-standing relationships with leading manufacturers dedicated to excellence in design and production.

Products are imported from around the globe and brought to BMG's strategically located distribution facilities and regional service centres via the main distribution hub in Johannesburg - BMG World. A world-class facility boasting 308 000m³ of fully stocked warehouse space, an accredited training facility and unlimited engineering capabilities.

6

3

Our Extensive Coverage Throughout Africa



1

Over 300 000 product line items

105

BRANCHES

- Around 4 500 transfers per day out of BMG World in Johannesburg
- Over 1 000 tons of imported stock landing per month
- 105 strategically situated branches throughout Africa
- Vendor Managed Inventory sites (dedicated on-site stockholding)
- International exports
- Locally empowered distribution chains



24 HR TOLL-FREE EMERGENCY BRANCH HELPLINE: 0800 022 224

WEBSITE: www.bmgworld.net



BEARINGS • SEALS • POWER TRANSMISSION • DRIVES & MOTORS MATERIALS HANDLING • FASTENERS & TOOLS • HYDRAULICS PNEUMATICS • FILTRATION • LUBRICATION • VALVES TECHNICAL RESOURCES • FIELD SERVICES

