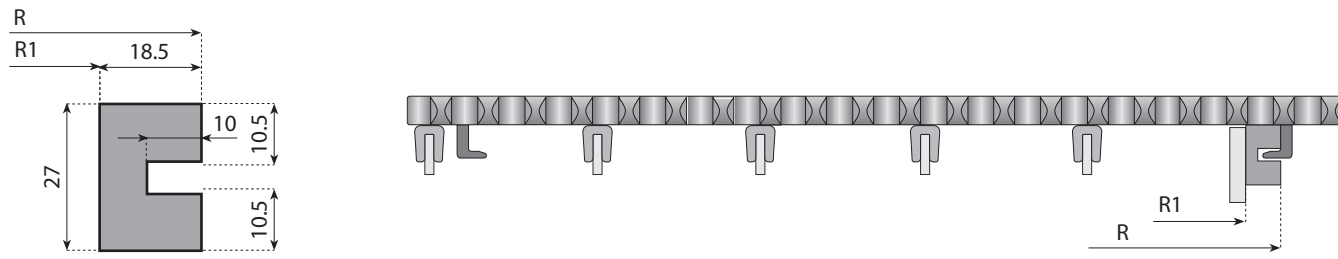


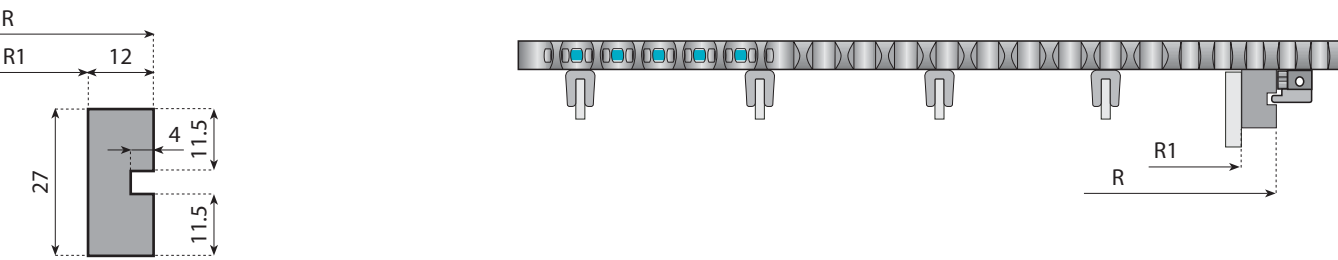
### GUIDE PROFILES FOR 2351 AND 2551 BELT



Material: Nolu-SR Standard length: 3 meter

CODE	Belt Width mm	MIN RADIUS FOR 2351		MIN RADIUS FOR 2551	
		R	R1	R	R1
190276	255	634.5	616	-	-
	340	889.5	871	651.5	633
	425	1161.5	1143	821.5	803
	510	1450.5	1432	1042.5	1024
	595	1697.5	1679	1221.5	1203
	680	1977.5	1959	1433.5	1415
	765	2266.5	2248	1654.5	1636
850	2521.5	2503	1841.5	1823	

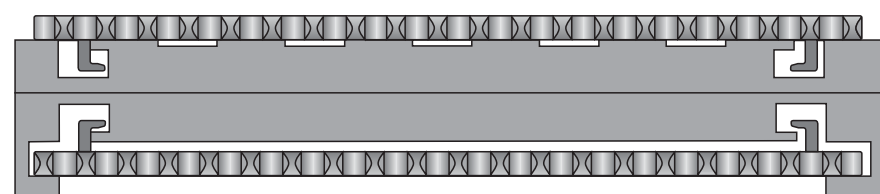
### GUIDE PROFILES FOR 2451 AND 2651 BELT



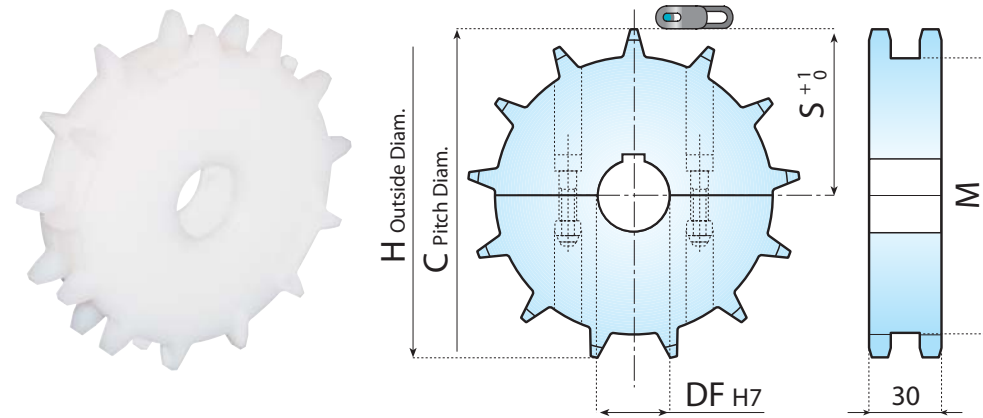
Material: Nolu-SR Standard length: 3 meter

CODE	Belt Width mm	MIN RADIUS FOR 2451		MIN RADIUS FOR 2651	
		R	R1	R	R1
190277	340	883	871	-	-
	425	1155	1143	815	803
	510	1444	1432	1036	1024
	595	1691	1679	1215	1203
	680	1971	1959	1427	1415
	765	2260	2248	1648	1636
	850	2515	2503	1835	1823

On request we can also supply complete compact curves according to your specifications. See example drawing.



### SIDE FLEX BELT - SPROCKETS



Z	C mm	H mm	M mm	S mm	SPLIT SPROCKETS		SPLIT IDLER WHEELS	
					Ø 30	Ø 40	Ø 30	Ø 40
13	127.7	137.7	113.7	57	125898	125901	125904	125907
15	163.3	157.1	133.3	67	125899	125902	125905	125908
16	161.7	171.7	148.1	74	125900	125903	125906	125909

Material: reinforced polyamide, screws in stainless steel; DIN 6885 key seat.

### The Quality

System Plast has a strong commitment towards quality, the quality of the product itself, but also the quality of the design and the finish. Only the best materials are used to produce the products, the System Plast Power Flex Belt is no exception. System Plast also makes the moulds in house. This guarantees the same focussed commitment to producing the highest quality. System Plast is ISO 9001 certified.



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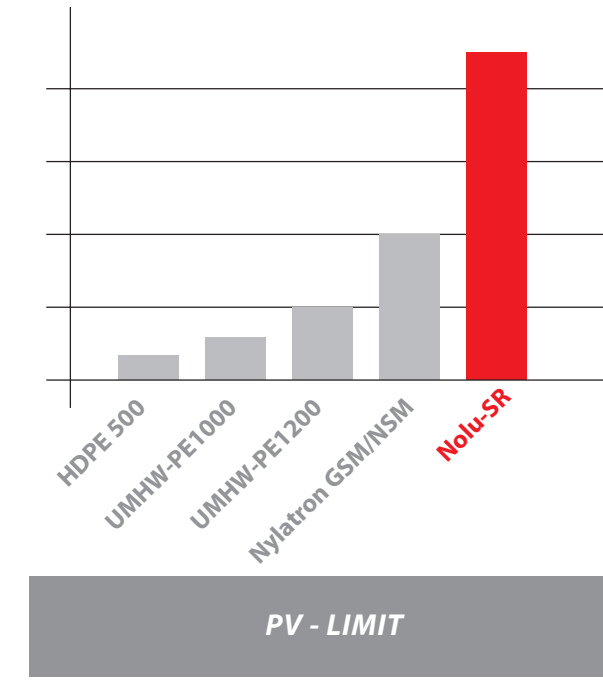
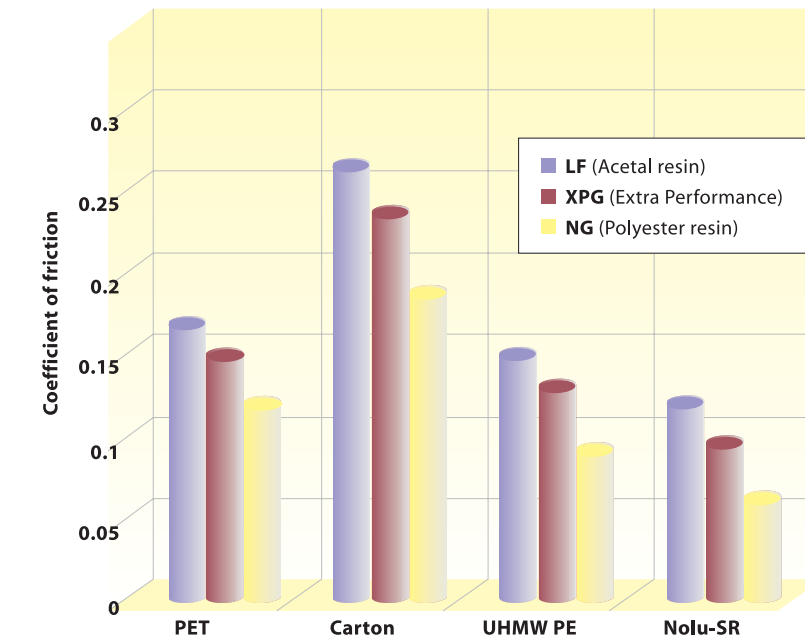


### ALL NEW PLASTIC MODULAR SIDE FLEX BELT



### The product

This modular plastic belt is the result of intensive analyses. It is based on the application experiences and the new ideas for applications for this product. The result is a side flex belt which is more robust and versatile than many other products. The Power Flex Belt will be made available in normal low friction acetal "LFG", in extra low friction acetal "XPG" and in the System Plast Special Plastic for high performance "NG". Curve profiles are made of Nolu-SR low friction material, offering high PV limits and longer wearlife.



For the belts there will be a selection of split sprockets available in strong and hygienic design as well as a some solutions for curves and guides, all designed with an eye on the heavy duty applications that this belt has been made for.

### The application

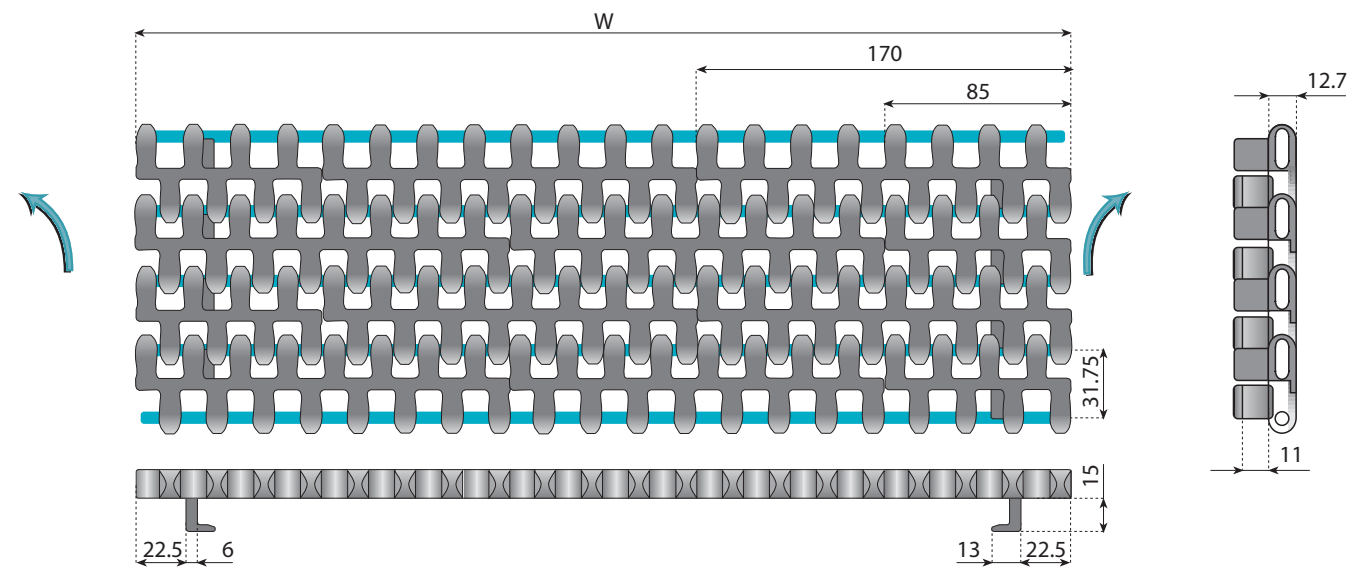
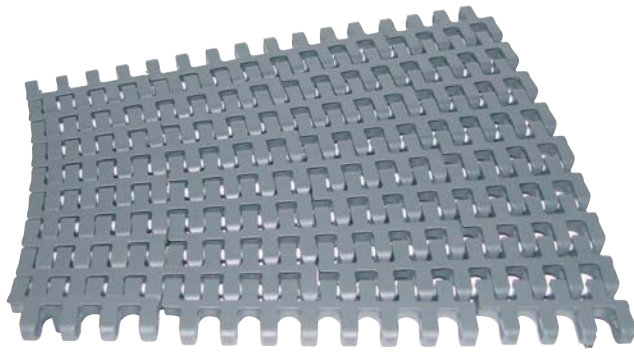
For many years plastic flat belt were the only reliable solution for small radius corners in pack conveyors, for example after shrink wrap machines. With the introduction of the System Plast Power Flex Belt there is a solid reliable product for use in demanding high speed applications like multi packs of large plastic bottles, shrink wrap or carton or large trays of beverage cans. The standard version is suitable for S-curves. The other types can run with high loads and/or small radii in "L" or "U" curves. A special curve profile for high speeds will be available. The materials make the Power Flex Belt suitable for many applications and the conditions it will be operating in, with "NG" for the applications that require the lowest possible friction and best wear resistance.

### NOTE:

Side flexing belts are made to convey packs, cartons etcetera. Due to the heavy weight of these products and the high speeds that are sometimes required, the belt could be loaded up to its limits. Therefore, we strongly recommend that all applications are calculated by our Technical Support department before planning your layout. We can then give you our advice about the optimum belt type and maximum conveyor length.

**2351 - STANDARD**

**SIDE FLEX BELTS**



**Features:**

- Radius – width ratio min. 1.6
- For left or right L- or U-turns
- Can also be used in S-curves
- Strong design
- Optimum product support
- Easy installation and maintenance
- Version without tabs available on request

**RADIUS - WIDTH RATIO MIN. 1.6**

● ●  
FOR BELTS AVAILABLE IN "XPG" MATERIAL JUST ADD "XPG" TO PART NUMBER (example "code 27312-XPG")

*On request and for adequate quantities these chains can be produced in:*

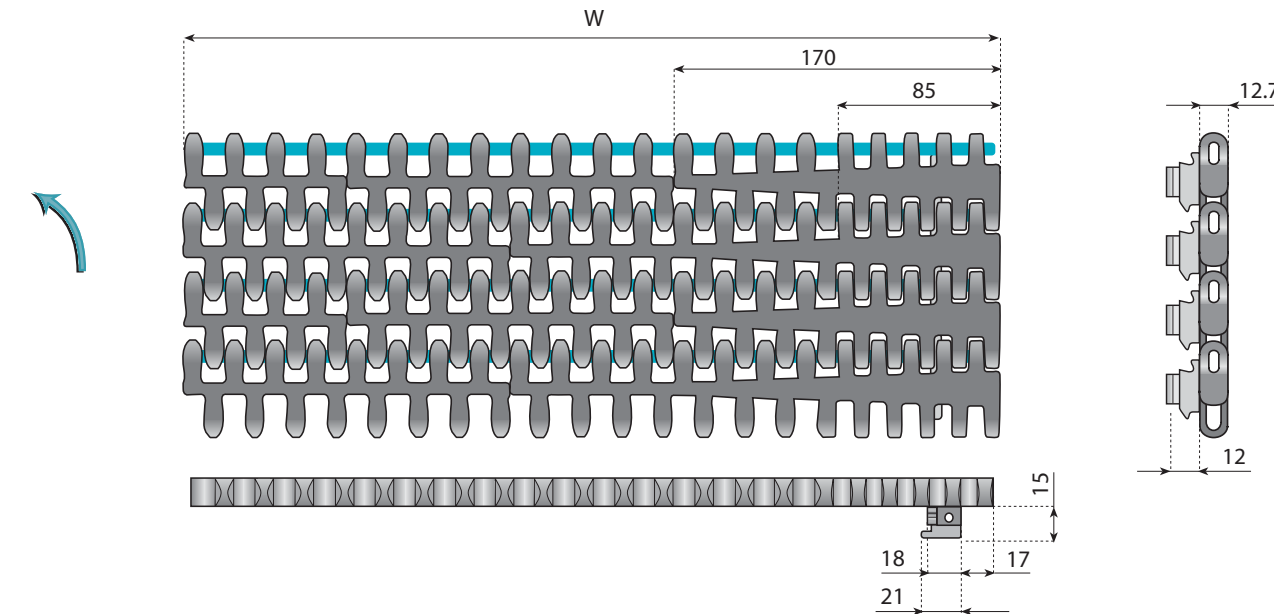
<b>XPG</b> Extra Performance (special material color Dark Brown/Grey)	<b>LFG</b> Low Friction Acetal Resin (standard material color Dark Grey)	<b>NGG</b> New Generation Light Grey
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**Standard length:**  
96 pitches (10 ft - 3.048 m)

Width W mm	BELTS REF.	CODE	Side Flex radius minimum mm	Max load capacity		Back flex radius mm	Weight Kg/m <sup>2</sup>
				Straight N/m	Curve N		
255	2351-0255-ST2	27312	408				
340	2351-0340-ST2	27313	578				
425	2351-0425-ST2	27314	765				
510	2351-0510-ST2	27315	969	30000	2500	25	8.8
595	2351-0595-ST2	27316	1131				
680	2351-0680-ST2	27317	1326				
765	2351-0765-ST2	27318	1530				
850	2351-0850-ST2	27319	1700				

**2451 - HEAVY DUTY**

**SIDE FLEX BELTS**



**Features:**

- Radius – width ratio min. 1.6
- Heavy Duty extra strong design
- For left or right L- or U-turns
- Optimum combination of materials
- Optimum product support
- Easy installation and maintenance

**RADIUS - WIDTH RATIO MIN. 1.6**

● ●  
FOR BELTS AVAILABLE IN "XPG" MATERIAL JUST ADD "XPG" TO PART NUMBER (example "code 27433-XPG")

*On request and for adequate quantities these chains can be produced in:*

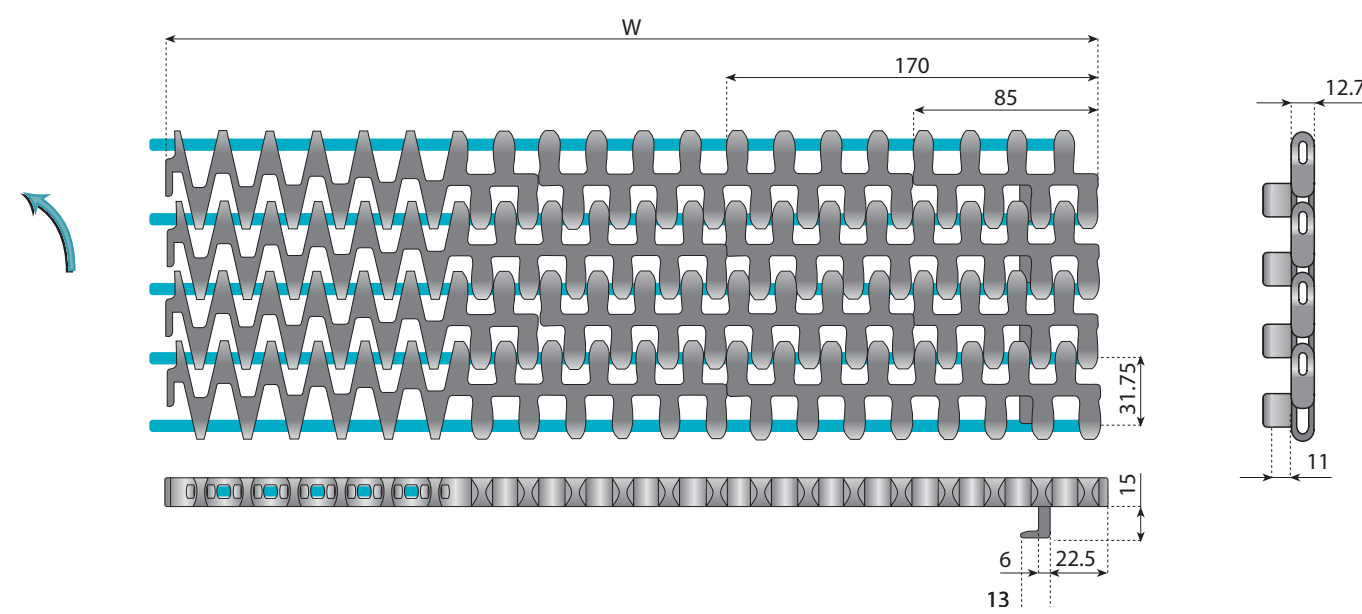
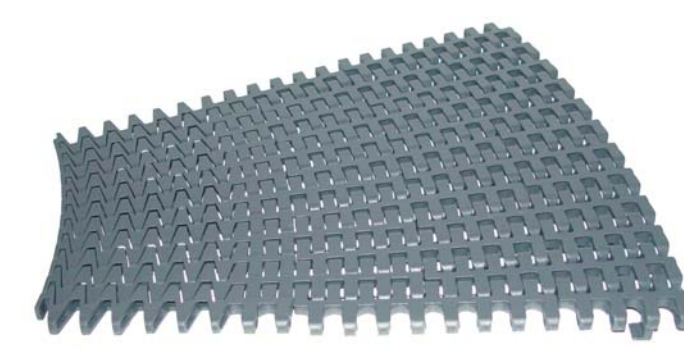
<b>XPG</b> Extra Performance (special material color Dark Brown/Grey)	<b>LFG</b> Low Friction Acetal Resin (standard material color Dark Grey)	<b>NGG</b> New Generation Light Grey
--	---	--

**Standard length:**  
96 pitches (10 ft - 3.048 m)

Width W mm	BELTS REF.	CODE	Side Flex radius minimum mm	Max load capacity		Back flex radius mm	Weight Kg/m <sup>2</sup>
				Straight N/m	Curve N		
-	-	-	-				
340	2451-0340-HDT	27433	578				
425	2451-0425-HDT	27434	765				
510	2451-0510-HDT	27435	969	30000	3500	25	9.8
595	2451-0595-HDT	27436	1131				
680	2451-0680-HDT	27437	1326				
765	2451-0765-HDT	27438	1530				
850	2451-0850-HDT	27439	1700				

**2551 - SMALL RADIUS**

**SIDE FLEX BELTS**



**Features:**

- Radius – width ratio min. 1.0 for tight curves
- For left or right L- or U-turns
- Strong design
- Optimum product support
- Easy installation and maintenance

**RADIUS - WIDTH RATIO MIN. 1.0**

● ●  
FOR BELTS AVAILABLE IN "XPG" MATERIAL JUST ADD "XPG" TO PART NUMBER (example "code 27543-XPG")

*On request and for adequate quantities these chains can be produced in:*

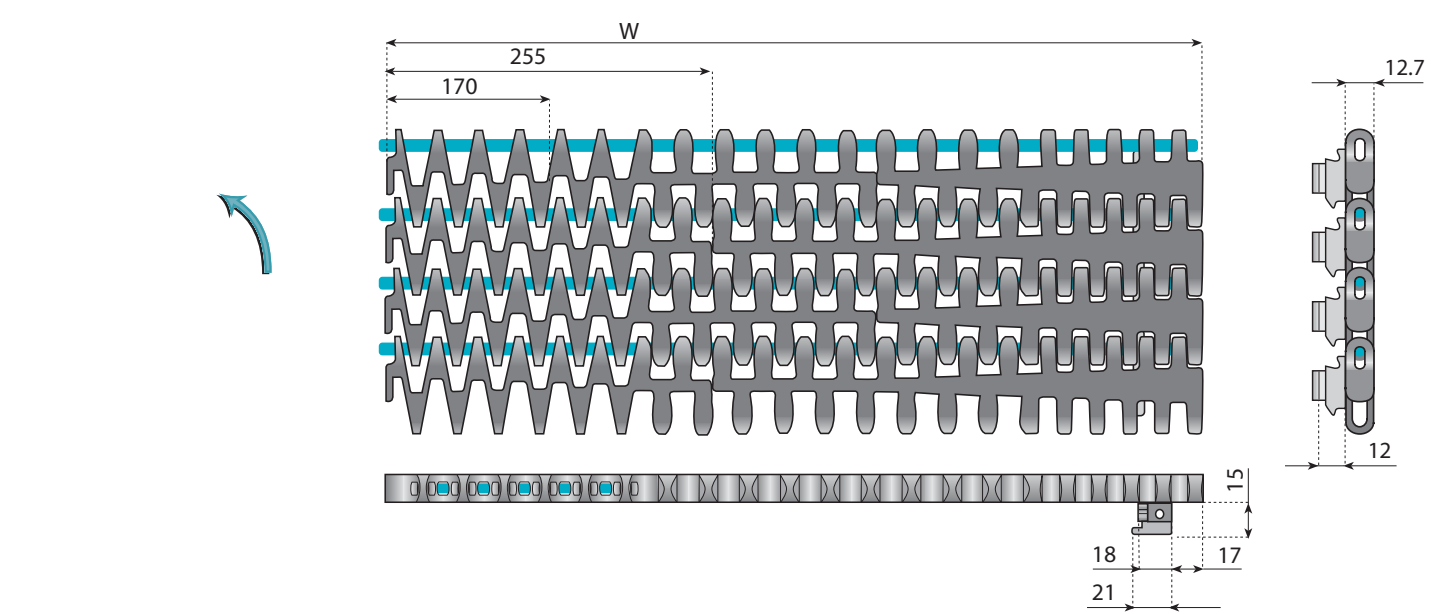
<b>XPG</b> Extra Performance (special material color Dark Brown/Grey)	<b>LFG</b> Low Friction Acetal Resin (standard material color Dark Grey)	<b>NGG</b> New Generation Light Grey
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**Standard length:**  
96 pitches (10 ft - 3.048 m)

Width W mm	BELTS REF.	CODE	Side Flex radius minimum mm	Max load capacity		Back flex radius mm	Weight Kg/m <sup>2</sup>
				Straight N/m	Curve N		
-	-	-	-				
340	2551-0340-SRT	27543	340				
425	2551-0425-SRT	27544	425				
510	2551-0510-SRT	27545	561	30000	2500	25	7.8
595	2551-0595-SRT	27546	655				
680	2551-0680-SRT	27547	782				
765	2551-0765-SRT	27548	918				
850	2551-0850-SRT	27549	1020				

**2651 HEAVY DUTY - SMALL RADIUS**

**SIDE FLEX BELTS**



**Features:**

- Heavy Duty extra strong design
- Radius – width ratio min. 1.0 for tight curves
- For left or right L- or U-turns
- Optimum combination of materials
- Optimum product support
- Easy installation and maintenance

**RADIUS - WIDTH RATIO MIN. 1.0**

● ●  
FOR BELTS AVAILABLE IN "XPG" MATERIAL JUST ADD "XPG" TO PART NUMBER (example "code 27634-XPG")

*On request and for adequate quantities these chains can be produced in:*

<b>XPG</b> Extra Performance (special material color Dark Brown/Grey)	<b>LFG</b> Low Friction Acetal Resin (standard material color Dark Grey)	<b>NGG</b> New Generation Light Grey
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**Standard length:**  
96 pitches (10 ft - 3.048 m)

Width W mm	BELTS REF.	CODE	Side Flex radius minimum mm	Max load capacity		Back flex radius mm	Weight Kg/m <sup>2</sup>
				Straight N/m	Curve N		
-	-	-	-				
425	2651-0425-HDSRT	27634	425				
510	2651-0510-HDSRT	27635	561	30000	3500	25	8.8
595	2651-0595-HDSRT	27636	655				
680	2651-0680-HDSRT	27637	782				
765	2651-0765-HDSRT	27638	918				
850	2651-0850-HDSRT	27639	1020				