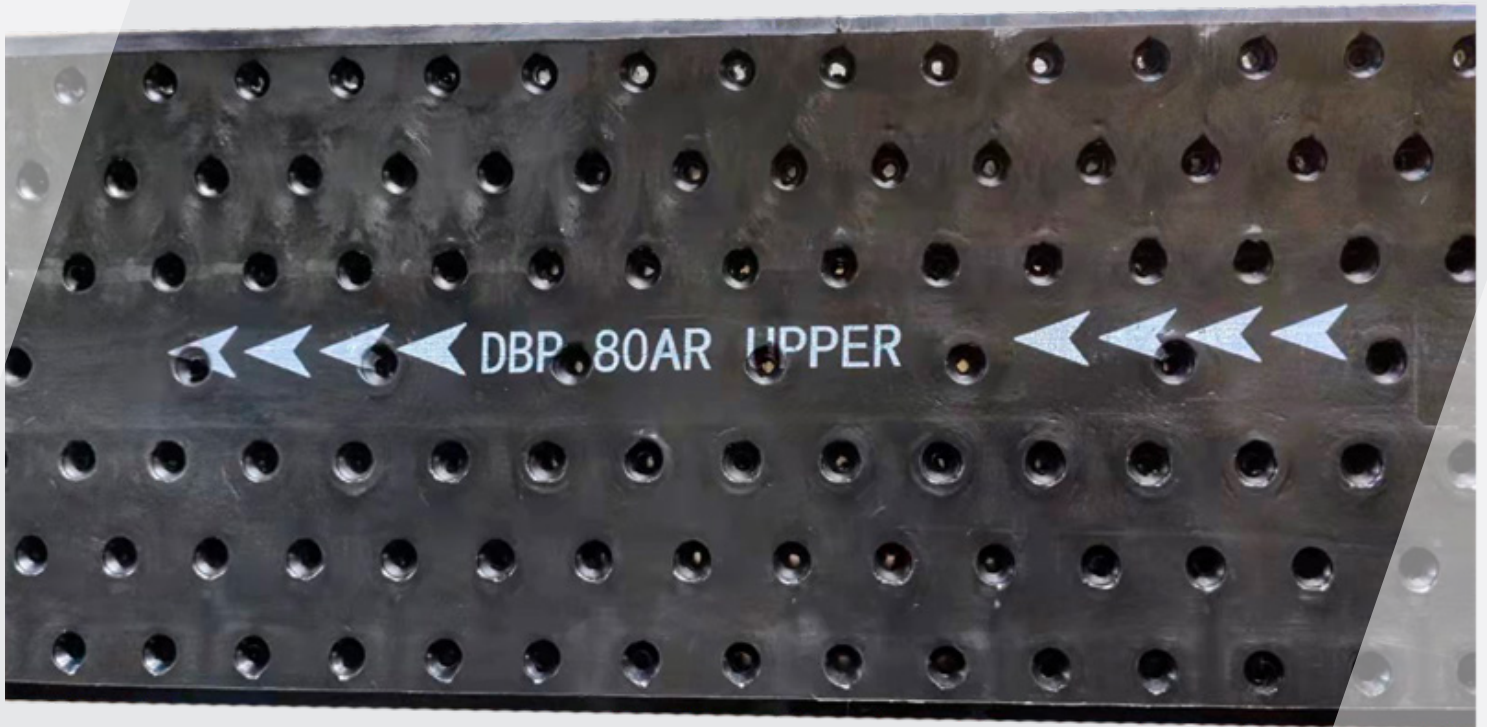




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DBP Screw Splicing Flexible Rubberized Screw Belt Joint



DBP Screw Splicing is a quick, strong, reliable and flexible rubber splicing solution that provides all the benefits of vulcanization for textile fabric conveyor belts

DBP Screw Splicing Flexible Rubberized Screw Belt Joint



Advantages

- Easy installation with screws
- Quick splicing & longer service life
- More friendly to the belt cleaner
- Good performance under high temperature condition
- Oil, fire and heat resistant products are available

Area of application

- Coal mining
- Coal-fired power plant
- Steel plant
- Cement plant
- Other industries/customers interested

Product type

The product type depends on the strength, working tension, overall thickness and cover grade of the conveyor belt

Product type	Conveyor belt thickness (mm)	Nominal strength of conveyor belt (N/mm)	Maximum working tension (N/mm)	Minimum pulley diameter (mm)	Popular conveyor belt
DBP 35	4 - 11	315	31	160 - 200 mm	EP250 / EP315
DBP 63	4 - 13	630	63	220 - 300 mm	EP500 / EP630
DBP 65	4 - 13			250 - 300 mm	
DBP 80	4 - 15	800	80	250 - 300 mm	EP800
DBP 85	5 - 15			270 - 400 mm	
DBP 100	6 - 15	1000	100	300 - 350 mm	EP1000
DBP 125	7 - 20.5	1250	125	350 - 400 mm	EP1250
DBP 180	7 - 20.5	1800	180	400 - 800 mm	EP1600 / EP1800

Product performance

The product performance depends on the work condition and the materials being transported

AR	Abrasion Resistant: suitable for most abrasion and general working conditions
OR	Oil Resistant: suitable for conveying oily materials like wood, oil and urban solid waste
HTR	Heat Resistant: suitable for conveying high temperature materials
FR	Fire Resistant and Anti Static (ISO 340 & ISO 284): suitable for silos or coal mining etc.
Stainless Steel	Stainless Steel Screws: suitable for conditions susceptible to rust and corrosion

DBP Screw Splicing Flexible Rubber-screw Belt Joint



Screws and spacers

The screw size and the spacer type depend on the thickness of the conveyor belt
And the quantity of the screw depends on the product type
(Refer to this chart recommended)

Carcass thickness after skived (mm)	Spacer type	Screw size Ø x length (mm)					
		DBP 35	DBP 63	DBP 65	DBP 80	DBP 85	DBP 100
2 - 3	5H5	5 x 12	5 x 12	5 x 14			
3 - 4	5H7	5 x 14	5 x 14	5 x 16	5 x 16	5 x 18	
4 - 5	5H9		5 x 16	5 x 18	5 x 18	5 x 20	5 x 20
5 - 6	5H11		5 x 16	5 x 18	5 x 18	5 x 20	5 x 20
6 - 7	5H13						5 x 22

Carcass thickness (mm)	Spacer type	Screw size Ø x length (mm)	
		DBP 125	DBP 180
6 - 7	6H11	6 x 21	6 x 21
7 - 8	6H11	6 x 22.5	6 x 22.5
8 - 9	6H15		6 x 24

Product type	Number of screws per meter	Number of spacers per meter	Screw bit
DBP 35	110	10	PZ2
DBP 63	200	10	
DBP 65		10	
DBP 80		10	
DBP 85	280	10	
DBP 100		10	
DBP 125	254	10	PZ3
DBP 180		10	

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Splicing length

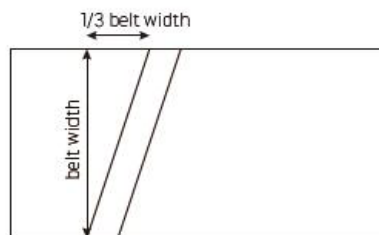
The splicing is determined by the width of different type

Product type	Model width (mm)	Joint length (mm)
DBP 35	62	62
DBP 63	110	110
DBP 65		
DBP 80	156	156
DBP 85		
DBP 100		
DBP 125	266	266
DBP 180		

Splicing angle

The length of the inclined edge is 1/3 of the belt width

Calculate according to the figure:



The required length of product is commonly based on the belt width + 10 % of the belt width as the slightly redundant of product. After the splicing is completed, it will be cut to an appropriate width

Tool

Belt cutter, Skiver, Drill driver, Grinder, Marker, Measuring tape...

Installation

Please refer to the installation guide



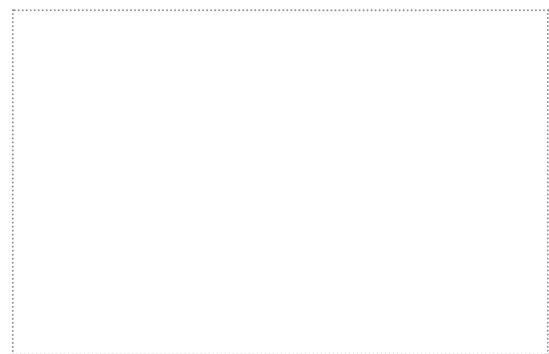
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