

The 1500-Series 15 mm pitch belt helps to eliminate container tipping and jam-ups at conveyor transfer points. These belts are designed to enable smooth inline nose-over and 90° transfers. 1500-series is available in open, closed and rubber top executions, of which last two in both imperial and metric widths. As a standard the belts are supplied in high-performance acetal and high-temperature resistant polypropylene for beverage applications.

Features

- The 15 mm pitch in combination with the curved underside of the belt reduces chordal action and permits the use of very short transfer plates or no transfer plates at all.
- The small pitch ensures perfect product handling, even for the most vulnerable products.
- Practical plug pin retention system allows easy installation and maintenance; metric executions have orange plugs, imperial versions have a yellow pin retention.
- Belt and sprocket design ensure optimum engagement and a reliable, bi-directional drive.

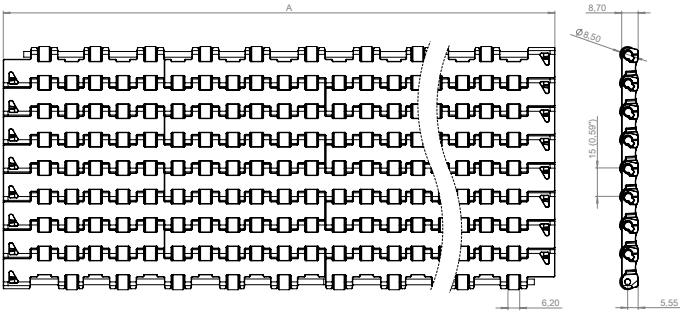
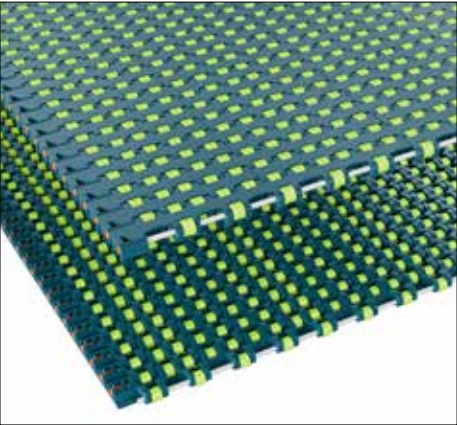


Wine Bottle Conveyor with 1505 Belt



Conveyor with SGDP1505 XP Belt

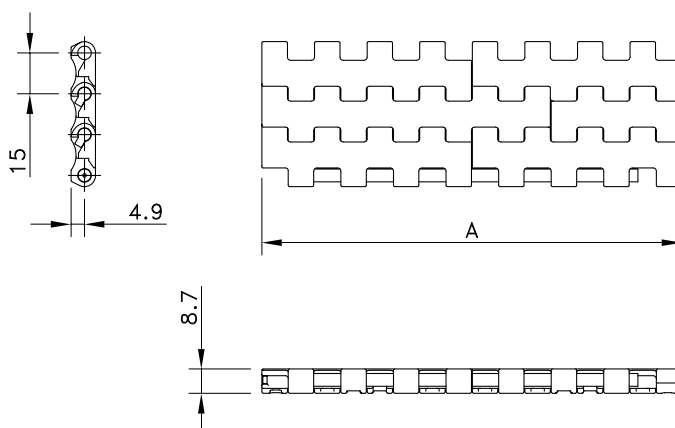
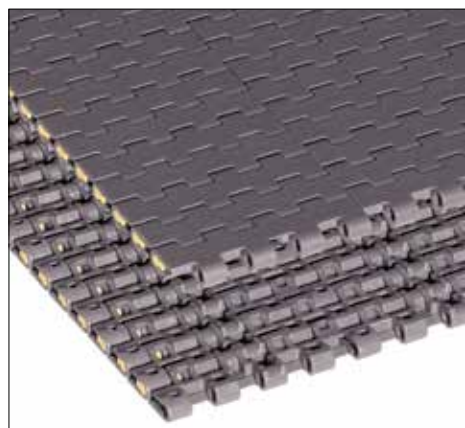
Programme	
1505 Flat Top	Closed surface; suitable for (instable) glass and PET containers and otherwise vulnerable products
1506 Flush Grid	26% Open area for optimum water- and airflow; suitable for amongst others can handling
1505 SuperGrip	Rubber Top for inclined and declined conveyors with packs and for metering applications; Positrack and 44 mm side-indent possible. Standard angles up to 20°
DTS®	Single module Dynamic Transfer System for left- or right-hand self-clearing 90° transfers to avoid dead plates; as a standard equipped with Positrack guiding
Positrack	Lugs for accurate guiding of the belt in the conveyor (metric execution and DTS only)
Chain accessories	Flights and sideguards for special applications in food industry (imperial executions only)
1553 Series	High-density LBP roller support. The Rexnord 1553 LBP MatTop Chain runs on standard Rexnord 1500 Series Sprockets, simplifying conveyor design
1533 Series	High-density LBP roller support. The Rexnord 1533 Series MatTop Chain runs on standard 1500 Series sprockets and uses proven 1005 Series plugs.



Temperature Range XLG Material														
Available Materials	Fahrenheit				Celsius				Working Load		Approximate Weight		Backflex Radius	
	min		max		min		max							
	dry	wet	dry	wet	dry	wet	dry	wet	lbs/ft	N/m	lbs/ft²	Kg/m²	mm	inch
XLG	-40°F	41°F	176°F	104°F	-40°C	5°C	80°C	40°C	6000	4425	1.66	8.1	20	0.7874

9.843" upto 40.157" with increments of 3.346"

Flat Top 1505 Imperial Sizes



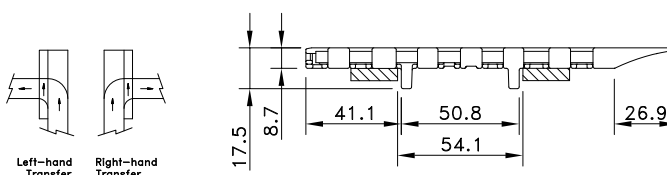
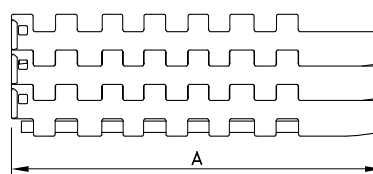
Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet			
HP-Acetal with PBT pins							
Standard	HP 1505	I1505HPKxx	-40 to +80	-40 to +65	13200	6.24	25
DTS Left	HP 1505 DTS SX	81413971					
DTS Right	HP 1505 DTS DX	81414111					
HT-Polypropylene with Polypropylene Pins							
Standard	HT 1505	I1505HTKxx	4 to 104	4 to 104	7300	4.52	25
WHT-Polypropylene with PP Pins							
Standard	WHT 1505	I1505WHTKxx	4 to 104	4 to 104	7300	4.50	25
FRPLUS - High performance flame retardant polymer - Acetal Pins							
Standard	FRPLUS 1505	I1505FRPLUSKxx	-18 to +82	-40 to +65	7300	6.99	25

* In code numbers xx corresponds with the belt width (A). Standard nominal widths of these belts begin at 3" with 3" increments, or optionally ¾" up to 96". NOTE: 3¾" is impossible. Example: I1505HPK06.75 is a 6.75" wide belt. See also page 223.

If you need flights or sideguards, describe the belt by choosing from the required options listed in the 2nd column of the table:

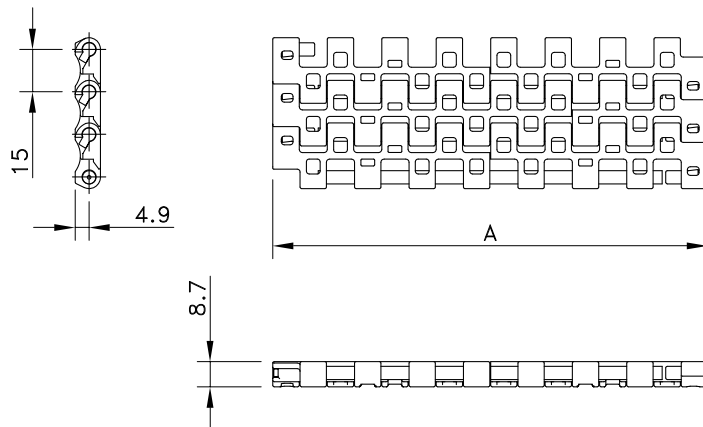
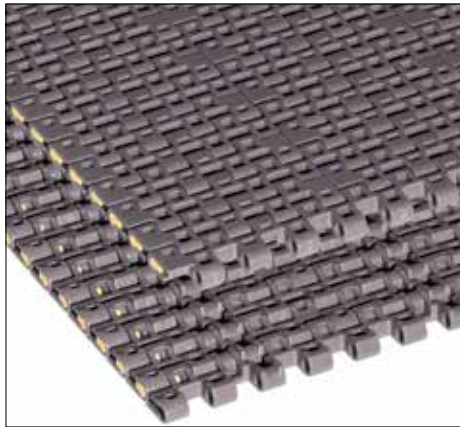
Material	WHT or WSM or SMB	
Belt type	1505	
Width (A)	K - xx IN	
Flights	F1 or F2	Standard height of 1" (25.4 mm), 2" (50.8 mm) or special height in mm
Pitch between flights	T..P	Flights on every .. th row
Flight side-indent	N.. (in inches)	Minimal 1 ⅞" (48 mm) with ¾" (19 mm) increments
Sideguards	S2IN	Standard height of 2"

Example: BLT 1505 -12IN_F50mm_T4P_N1.88IN_S2IN is a 1505 Flat Top belt, made of blue polyethylene, width 12", special 50 mm high flights on every 4th row at 1 ⅞" from the sides and 2" high sideguards.



Dynamic Transfer System (DTS®) 1500-Series Imperial

Flush Grid 1506 Imperial Sizes



Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet			
HP-Acetal with PBT Pins							
Standard	HP 1506	I1506HPKxx	-40 to +80	-40 to +65	13200	6.24	25
DTS Left	HP 1505 DTS SX	81413971					
DTS Right	HP 1505 DTS DX	81414111					
HT-Polypropylene with PBT Pins							
Standard	HT 1506	I1506HTKxx	4 to 104	4 to 104	7300	4.52	25
WHT-Polypropylene with PBT Pins							
Standard	WHT 1506	I1506WHTKxx	4 to 80	4 to 65	7300	4.50	25
FRPLUS-High performance flame retardant polymer - Acetal Pins							
Standard	FRPLUS 1506	I1506FRPLUSKxx	-18 to +82	-18 to +60	7300	6.93	25

* In code numbers xx corresponds with the belt width (A). Standard nominal widths of these belts begin at 3" (76.2 mm), with 3" increments, or optionally ¾" up to 120". NOTE: 3¾" is impossible. Example: I1506HPK06.75 is a 6.75" wide belt. See also page 208.

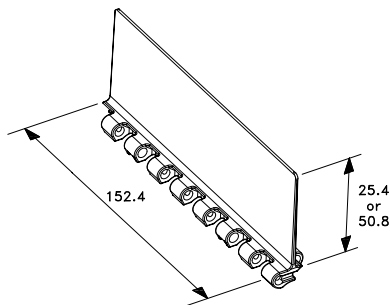
If you need flights or sideguards, describe the belt by choosing from the required options listed in the 2nd column of the table:

Material	HP or WHT or HT or FRPLUS	
Belt type	1506	
Width (A)	F1IN or F2IN	
Flights	F1 or F2	Standard height of 1" (25.4 mm), 2" (50.8 mm) or special height in mm
Pitch between flights	T..P	Flights on every .. th row
Flight side-indent	N.. (in inches)	Minimal 1 7/8" (48 mm) with ¾" (19 mm) increments
Sideguards	S2IN	Standard height of 2"

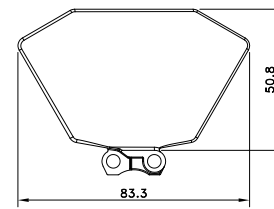
Example: WSM1506-6IN_F2IN_T05P_N0IN is a 1506 Flush Grid belt, made of white acetal, width 15¾", 1" high flights on every 8th row at 1 7/8" from the sides and 2" high sideguards.



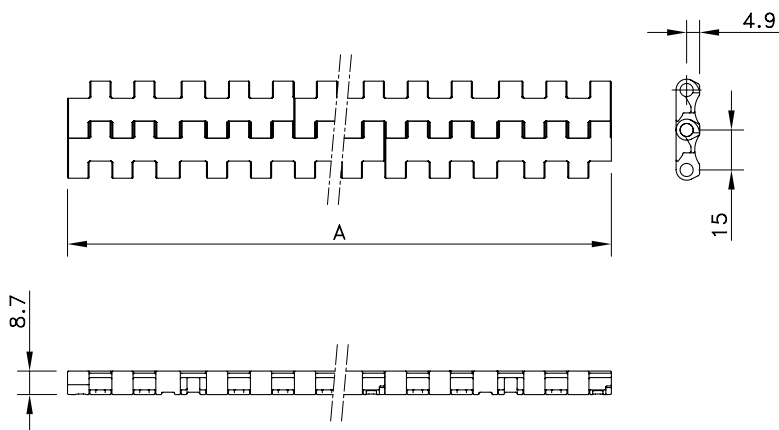
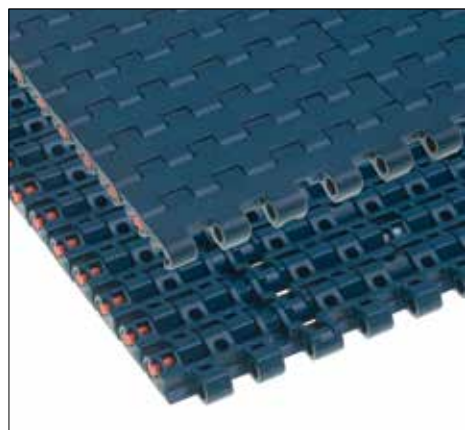
Flight for 1500-series imperial



Sideguards for 1500-series imperial

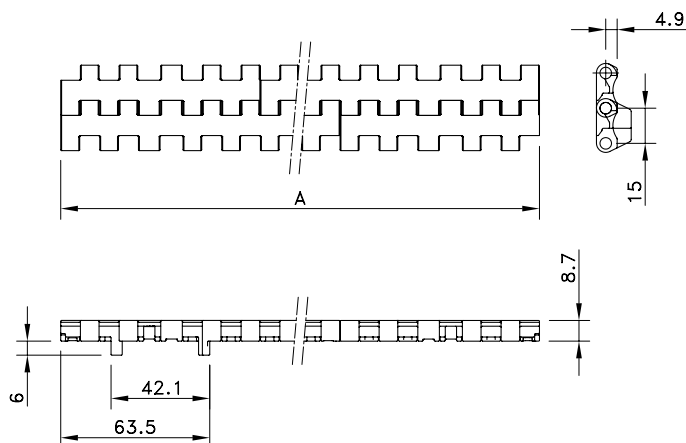
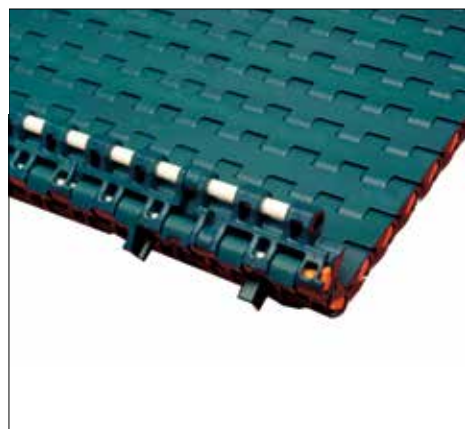


FlatTop 1505 Metric Sizes



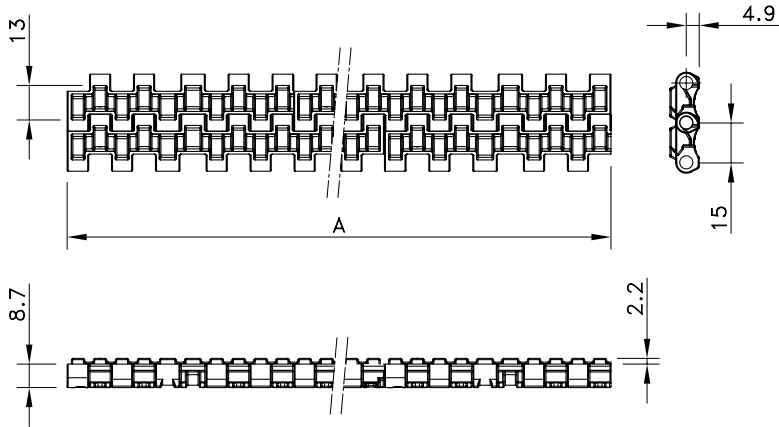
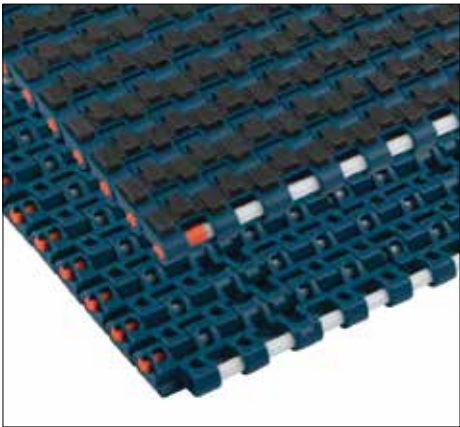
Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet	N/m (21°C)	kg/m²	mm
XLG-Acetal with PBT Pins							
Standard	FT 1505 XLG	873.44.xx	-40 to +80	-40 to +65	13200	6.35	25
Double Positrack	FTDP 1505 XLG	873.54.xx					
PSX Advanced Performance Polymer Alloy with PBT pins							
Standard	FT 1505 PSX	873.77.xx	4 to 104	4 to 104	13200	4.49	25
Double Positrack	FTDP 1505 PSX	873.76.xx					
WHT-Polypropylene with PP Pins							
Standard	WHT 1505 FT	873.49.xx	4 to 104	4 to 104	7300	4.49	25
Double Positrack	WHT 1505 FTDP	873.58.xx					
Dry-PT - PBT Pins							
Standard	Dry-PT 1505 FT	I1505DRYPTFTxx	4 to 104	4 to 104	13200	4.49	25
Double Positrack	Dry-PT 1505 FTDP	I1505DRYPTFTDPKxx					
FRPLUS-High performance flame retardant polymer - Acetal Pins							
Standard	FRPLUS 1505 FT	I1506FRPLUSKxx	-18 to +82	-18 to +60	7300	6.99	25
Double Positrack	FRPLUS 1505 FTDP	I1506FRPLUSFTDPKxx					

* In code numbers xx corresponds with the belt width (A), starting with 11 for 170 mm, 12 for 255 mm and so on in steps of 85 mm, up to 6120 mm; wider belts upon request. See page 208 for all code numbers. Cut to width options are possible.



Positrack 1505 Metric

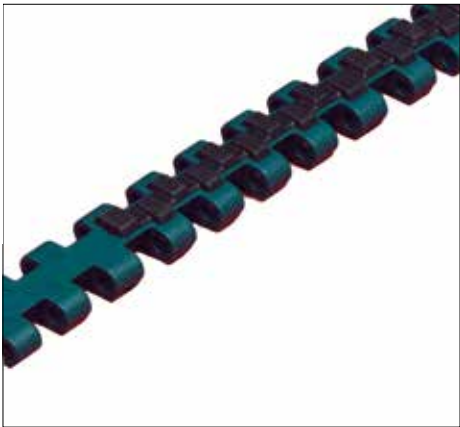
Flat Top 1505 Supergrip



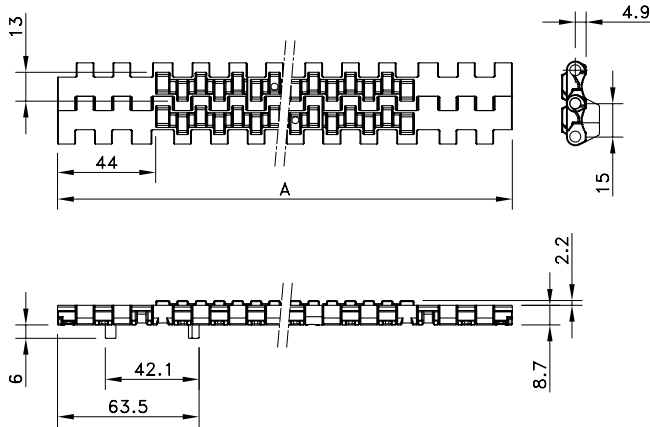
Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet			
XLG-Acetal with PBT Pins							
Standard	SG 1505 XLG	878.00.xx	-40 to +8 0	-40 to +65	13200	6.35	25
Double Positrack	SGDP 1505 XLG	878.12.xx					
Side-Indent	SGS 1505 XLG	878.01.xx					
Side-Indent Double Positrack	SGSDP 1505 XLG	878.13.xx					
WHT-Polypropylene with PBT Pins							
Standard	SG 1505 WHT	878.04.xx	4 to 80	4 to 65	7300	4.49	25
Side-Indent	SGS 1505 WHT	878.05.xx					

* In code numbers xx corresponds with the belt width (A), starting with 11 for 170 mm, 12 for 255 mm and so on in steps of 85 mm, up to 6120 mm. SuperGrip Side-indent versions start with 255 mm width. See page 208 for all code numbers. Cut to width options are possible. Side-indent in SuperGrip versions is 44 mm.

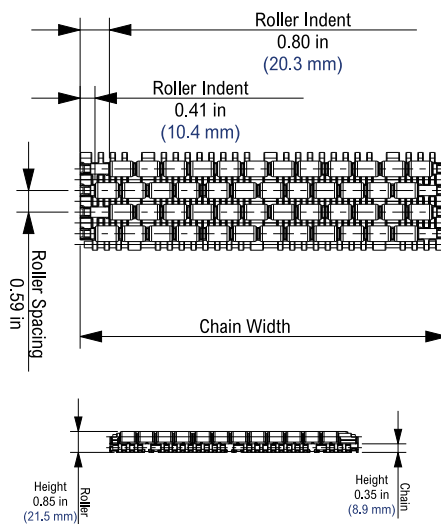
Rubber top is a black elastomere, with a hardness of 40 (XP) or 50 (XLG,WSM) or 60 (WHT) shore A.



1505 Supergrip Side-Indent



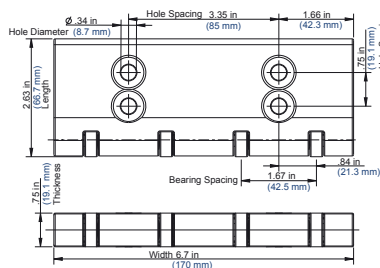
1505 Supergrip Side-Indent with Positrack



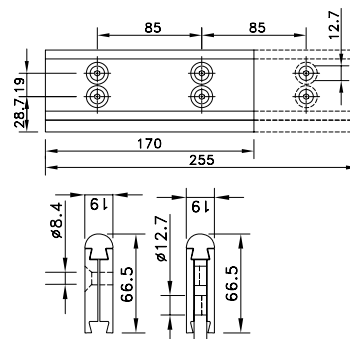
Assembly	Belt Type	Code Number*	Temperature range °C		Working Load (max.)	Weight	Backflex Radius (min.)
			Dry	Wet			
					N/m (21°C)	kg/m²	mm
HP-Acetal with PBT pins							
Standard	HP 1553	HP1553-xx	-40 to +82	-40 to +66	13131	14.84	25.4



Tab guide 8500-series

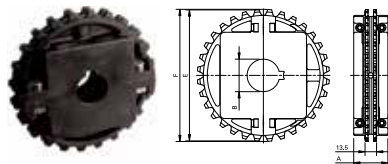


Specification drawing for the 170-millimeter width size (part number 10478853) of the 1500 Series MatTop Molded Dynamic Nose-over Bar.

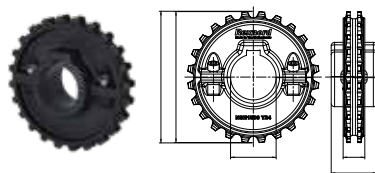


Description	Part Number	Overall Length
Static Nose-over Bar ULF		
NOSE OVER 905 L6IN STANDARD ULF	10483148	6.0 in
NOSE OVER 905 L6IN LOW-PROF M6 ULF	10483150	6.0 in
NOSE OVER 905 L6IN L170MM M6 ULF	10476256	170 mm (M6)
NOSE OVER 905 L255MM M6 ULF	10476257	255 mm (M6)
Dynamic Nose-over Bar		
NOSEOVER ASSY 1500 DYN 6IN BWR	10478852	6.0 in
NOSEOVER ASSY 1500 DYN 3IN BWR	10478945	3.0 in
NOSEOVER ASSY 1500 DYN 170MM BWR	10478853	170 mm
NOSEOVER ASSY 1500 DYN 85MM BWR	10478976	85 mm

Split Sprockets NS1500

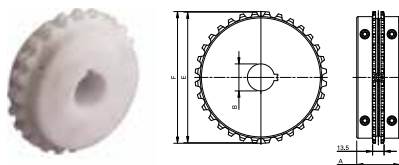


Hygienic Split Sprockets NSH1500

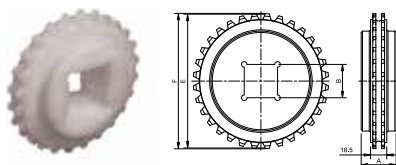


Sprocket Type	Code Number	Number of Teeth	Bore	Pitch Diameter E	Outside Diameter F	Hub Diameter A
			B	E	F	A
			mm	mm	mm	mm
Split molded sprocket NSH1500						
NSH1500-24T_30MM_1KW	10378150	24	30	114.9	115.5	40.0
NSH1500-24T_40MM_1KW	10378415	24	40			
NSH1500-32T_30MM_1KW	10378419	32	30	153.4	154.8	
NSH1500-32T_40MM_1KW	10378423	32	40			
NS1500 Not suitable in combination with FTDP, SGDP and SGSDP due to the Positrack lugs.						
Round Bores						
NS1500-24T_25MM_1KW_PA	10028510	24	25	114.9	115.5	40.0
NS1500-24T_30MM_1KW_PA	10028512	24	30			
NS1500-24T_35MM_1KW_PA	10331965	24	35			
NS1500-24T_40MM_1KW_PA	10028514	24	40			
NS1500-32T_25MM_1KW_PA	10331228	32	25	153.4	154.8	
NS1500-32T_30MM_1KW_PA	10028526	32	30			
NS1500-32T_35MM_1KW_PA	10331964	32	35			
NS1500-32T_40MM_1KW_PA	10028528	32	40			
Square Bores						
NS1500-24T_40MM_S_PA	10028516	24	40	114.9	115.5	40.0
NS1500-24T_60MM_S_PA	10333775	24	60			
NS1500-32T_40MM_S_PA	10028530	32	40	153.4	154.8	
NS1500-32T_60MM_S_PA	10028531	32	60			

Split Sprockets KUS1500



Classic Sprockets KU1500



Split Sprockets 1505 Machined						
Round Bores						
KUS1500-24T_25MM_1KW_PA	10331141	24	25	114.9	115.5	50.8
KUS1500-24T_30MM_1KW_PA	10131508	24	30			
KUS1500-24T_35MM_1KW_PA	10331889	24	35			
KUS1500-24T_40MM_1KW_PA	10131510	24	40			
Classic Sprockets 1505 Machined						
Round Bores						
KU1500-12T_30MM_1KW_PA	10331359	12	30	58.1	58.2	24.1
KU1500-16T_30MM_1KW_PA	10331361	16	30	77.1	77.7	31.8
KU1500-24T_30MM_1KW_PA	10331371	24	30	114.9	115.5	40.0
KU1500-24T_40MM_1KW_PA	10332089	24	40			
KU1500-32T_30MM_1KW2SS_PA	10071092	32	30	153.4	154.8	40.0
KU1500-32T_40MM_1KW_PA	10332094	32	40			
Square Bores						
KU1500-24T_25MM_S_PA	10330971	24	25	114.9	115.5	40.0
KU1500-32T_40MM_S_PA	10332096	32	40	153.4	154.8	40.0