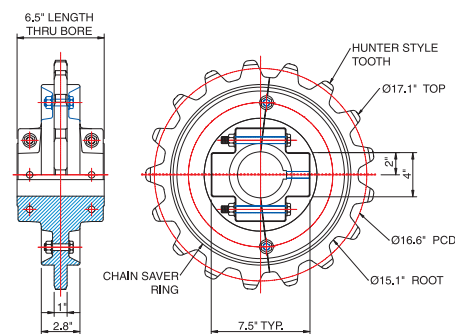
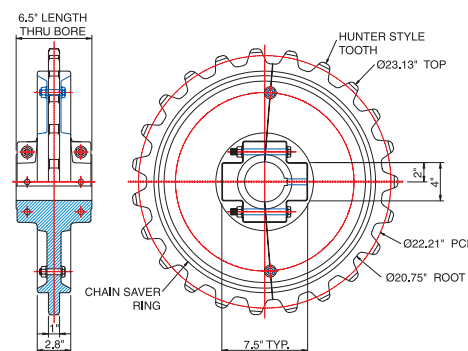


CLIMAX CHAIN WHEEL PM720S/17T



CLIMAX CHAIN WHEEL PM720S/23T



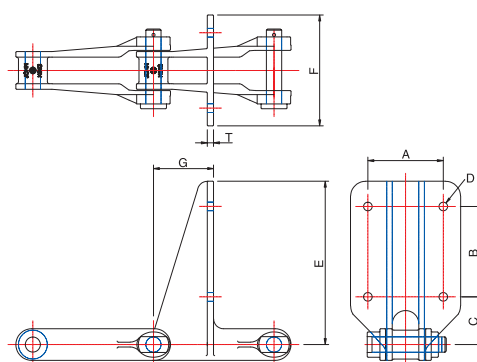
COLLECTOR CHAIN ATTACHMENT DETAILS

CHAIN REF	MATERIAL	WEIGHT PER FOOT IN LBS	A	B F22-6	B F22-8	C	D	E F22-6	E F22-8	F F22-6	F F22-8	G	T	AVERAGE UTS IN LBS	RATED WORKING LOAD IN LBS
720	CS	11.80	3 ³ / ₄	2 ⁵ / ₈	4 ¹ / ₂	2 ³ / ₈	3 ³ / ₈	6 ¹ / ₈	8 ¹ / ₈	5 ¹ / ₂	5 ¹ / ₂	3	5 ⁵ / ₁₆	27,500	4,025
720S	CS	13.30	3 ³ / ₄	2 ⁵ / ₈	4 ¹ / ₂	2 ³ / ₈	3 ³ / ₈	6 ¹ / ₈	8 ¹ / ₈	5 ³ / ₈	5 ¹ / ₂	3	5 ⁵ / ₁₆	37,500	4,425
720SC	CS	14.00	3 ³ / ₄	2 ⁵ / ₈	4 ¹ / ₂	2 ³ / ₈	3 ³ / ₈	6 ¹ / ₈	8 ¹ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	3	5 ⁵ / ₁₆	37,500	4,425
730SC	CS	15.60	3 ³ / ₄	2 ⁵ / ₈	4 ¹ / ₂	2 ³ / ₈	3 ³ / ₈	6 ¹ / ₈	8 ¹ / ₈	5 ⁵ / ₈	5 ⁵ / ₈	3	5 ⁵ / ₁₆	37,500	4,425

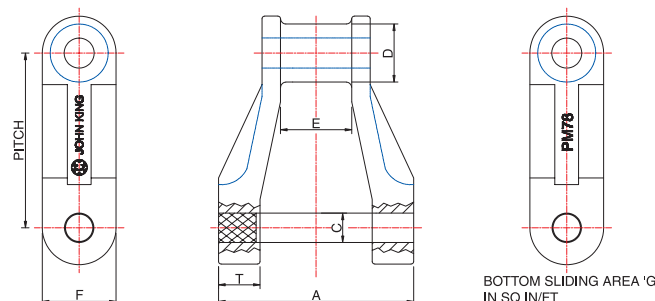
NOTE: F2 ATTACHMENT ALSO AVAILABLE ON CS CHAINS

WH720S	WS	10.70	3 ³ / ₄	2 ⁵ / ₈	4 ¹ / ₂	2 ³ / ₈	3 ³ / ₈	6	7 ⁷ / ₈	5	5 ¹ / ₂	3	1 ¹ / ₄	42,500	5,300
SS720	SS	13.10	3 ³ / ₄	2 ⁵ / ₈	4 ¹ / ₂	2 ³ / ₈	9 ¹ / ₁₆	6 ³ / ₁₆	7 ⁷ / ₈	5 ¹ / ₂	5 ⁵ / ₈	3	1 ¹ / ₄	42,500	5,300
PM720S	PM	1.34	3 ³ / ₄	2 ⁵ / ₈	4 ¹ / ₂	2 ³ / ₈	3 ³ / ₈	6 ¹ / ₈	7 ⁷ / ₈	5 ¹ / ₂	5 ⁵ / ₈	3	5 ⁵ / ₁₆	6,000	2,600

700 SERIES COLLECTOR CHAINS (720)



COLLECTOR DRIVE CHAINS (PM78)



COLLECTOR DRIVE CHAIN

CHAIN REF	MATERIAL	WEIGHT PER FOOT IN LBS	A	B	B	C	D	E	F	G	T	AVERAGE UTS IN LBS	RATED WORKING LOAD IN LBS
PM78	PM	1.40	2 ⁵ / ₁₆	PITCH	2.609	7 ⁷ / ₁₆	7 ⁷ / ₈	15 ¹⁵ / ₁₆	1 ¹ / ₈	11 ¹ / ₂	N/A	4,000	1,750
PM82	PM	2.20	3 ⁵ / ₁₆	PITCH	3.075	1 ¹ / ₄	1 ¹ / ₄	1 ¹ / ₈	1 ¹ / ₂	13 ⁷ / ₁₀	N/A	5,000	2,100
SS78/C	SS	3.80	2 ⁹ / ₁₆	PITCH	2.609	1 ¹ / ₂	7 ⁷ / ₈	1 ¹ / ₈	1 ¹ / ₄	N/A	1 ¹ / ₄	24,000	2,500

ALL 700 SERIES COLLECTOR CHAINS ARE 'OFFSET' CONSTRUCTION AND AVAILABLE IN VARIOUS MATERIAL GRADES

CS - Cast Steel as King JK/WRI wear resistant grade or 304SS stainless steel with 420SS pin

WS - Welded Steel with heat treated carbon steel plates and through hardened pin and bush

Specifications can be varied to suit customers particular requirements

PM - Acetal Co-Polymer engineering plastic. PM720S with moulded pin PM78 and PM82 with 304SS pin

SS - Conventional engineered construction with 304SS stainless steel sideplates and 420SS heat treated pins and bushes.

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JOHN KING

Environmental Chains & Components





COMPANY HISTORY AND INFORMATION

John King Chains Limited established in 1926 in Leeds, England has manufactured a metallic series of collector system chains for over half a century.

They entered the business of manufacturing non-metallic chains during the 1980's and over the subsequent period have developed a comprehensive range of non-metallic conveyor and drive chains together with best quality associated components. With different divisions in North America, Canada and South Africa, and distribution partners worldwide they are at your service to provide high quality and cost effective conveying solutions.

WATER AND WASTE WATER COMPONENTS - NON METALLIC RANGE

TYPICAL APPLICATIONS

Three Shaft Rectangular Clarifiers removing bottom sludge only. Typical in water treatment plants &/or combined with inclined plate or tube settler applications.

Four Shaft Rectangular Clarifiers removing bottom sludge to a sludge hopper at the influent end of the clarifier combined with skimming floating surface scum discharging via a scum pipe.

DAF TANKS - Dissolved Air Flotation with two separate systems 'Top & bottom' for sludge removal and surface skimming of floating scum up an inclined beaching plate.

GRIT BUCKET COLLECTORS

Typically five shaft collectors for grit removal with pivoting non-metallic buckets to elevate and discharge via a chute.

CLR CLIMAX RETURN SHOE

From UHMW-PE for standard rectangular systems (Also available in heat treated iron to be used in conjunction with metallic chain).

- CLR AND CCS SHOE MATERIAL OPTIONS**
- ★ UHMW Polyethylene
 - ★ Polyurethane
 - ★ Cast Nylon
 - ★ Polypropylene
 - ★ Cast Iron



Rectangular Clarifiers During Re Chain

CSB CLIMAX SPACER BLOCK

Specifically for use with SCF and HSF channel flights the unit acts as a spacer between chain attachment paddles and C section flight. Hole positions to cover both F2 and F22 styles. Generally cast from Acetal co-polymer material.

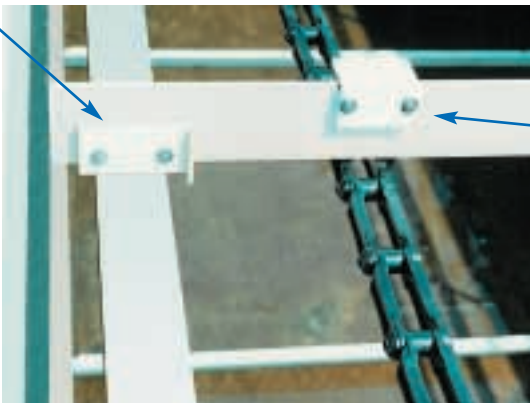
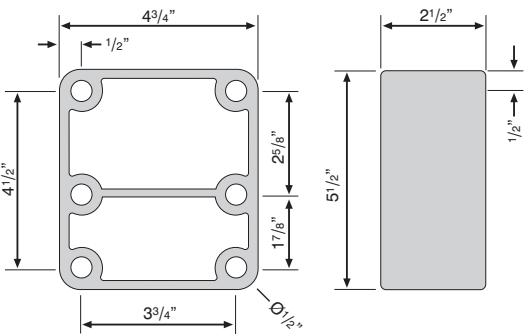


Illustration Shows SCF Flight



CSB CLIMAX SPACER BLOCK

CCS CLIMAX CARRYING SHOE

for low friction contact on conveying strand wearstrip.

WEARSTRIP

From UHMW polyethylene 3/8" to 3/4" thick at widths as required by application.

CLIMAX NON METALLIC CHAIN AND SPROCKETS

CLIMAX SHEAR PIN SPROCKET

11 tooth PM78/11T/sp sprocket to a unique and proven design offers effective overload protection to the drive. (Contact engineering for full information).

CLIMAX CHAIN TENSIONER

offers simple slideway take up as pitch extension and resulting chain elongation develops over service life.

CLIMAX COMBINATION SPROCKETS

UHMWP Tooth profile and offset cast iron hub to allow clearance over wall mounted bearing unit. PM78/40T being a typical sprocket configuration.

CLIMAX SPROCKETS

Standard diameters at 23 tooth and 17 tooth (19, 21 and 25 tooth also available).

In cast nylon or UHMW polyethylene. Configured with the Hunter style tooth form known as double life profile with chain saver rims. Split construction or solid construction. (Can be used with metallic and non metallic chains).



NON METALLIC CHAIN PM78 2.609" drive chain manufactured from Acetal material with 304 SS chain pins with knurled feature for positive retention, combined with easy extraction.

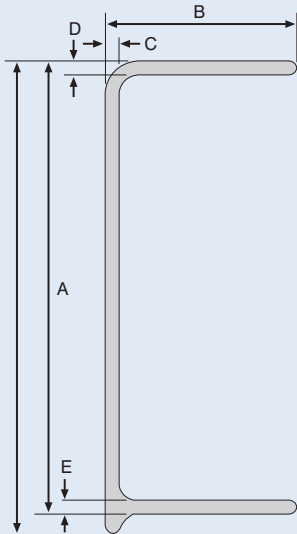
NON METALLIC SCREEN CHAIN 720S is the latest generation collector chain, lightweight, corrosion resistant and proven to deliver excellent service life over an extended period. Links are manufactured in Kings 'in house' plastics division subject to the dictates of ISO9000. Manufactured from Acetal Engineering Plastic PM720S includes the unique T head snap in pin design which obviates the need for separate and vulnerable pin retainers. Chain saver sidebars extend service life of chain and sprockets.

CLIMAX CHANNEL FLIGHTS

HSF HIGH STRENGTH CHANNEL FLIGHTS

High strength version operates to a maximum of 22 feet. Ideal for high sludge loading and specialist applications such as DAF surface skimmers. Larger cross section minimises deflection on heavier applications. Flights contain UV inhibitors for degradation avoidance.

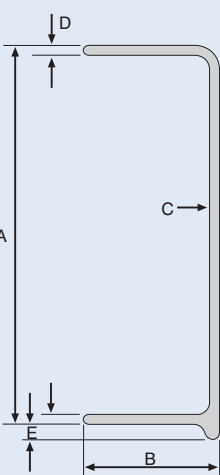
HSF CHANNEL FLIGHT



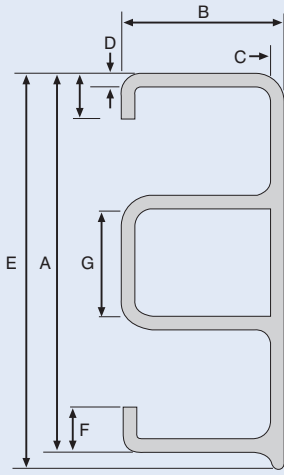
CHANNEL FLIGHTS SCF STANDARD DUTY CHANNEL FLIGHTS (As Illustrated)

C section construction of an isothalic polyester with standard or high glass content dependent on applicational demand.

Series	A	B	C	D	E	F	G
SCF6	5 1/4	2 1/2	1/8	3/16	3/16		
SCF7	7 1/8	2 1/2	1/8	3/16	3/1		
HSF8	7 1/8	3.00	3/16	7/32	7/166		
EDF8	7 1/8	3.00	1/4	1/4	7 7/16	7/8	2.00



SCF CHANNEL FLIGHT



EDF CHANNEL FLIGHT