

# Accumulator Chain



## For Automated Conveying Systems

Accumulator Chains for Automated Conveyor Systems are available with steel or plastic rollers. Chains are available in stainless steel as well. The load may be proportionally increased for shorter strands and must be proportionally decreased for longer conveyor distances.

For Example: 5m Conveyor Distance = Double the allowable load, 20m of Conveyor Distance = half load. Max load per meter is pro-

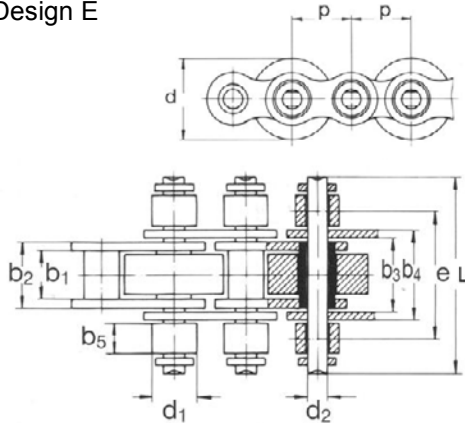
vided on adjacent page and based on a chain length of 10 meters. If a shorter chain is used, for example 5 meters, then the load per meter can be doubled. If 20 meters of chain are used, then only half of the load per meter is permitted.

Maximum conveyor distance of 25-30 meters is recommended.

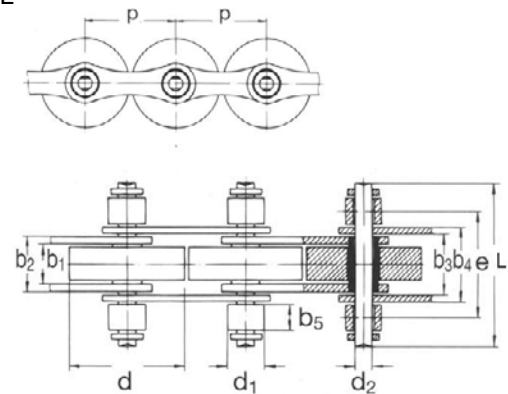
Guide Channels for Rollers are also suggested.



Design E



Design L



### Standard

Part No.	Pitch		Dimensions											
	P	Design	b <sub>1</sub> min mm	b <sub>2</sub> max mm	b <sub>3</sub> min mm	b <sub>4</sub> max mm	d <sub>1</sub> mm	d <sub>2</sub> max mm	e mm	g max mm	Roller 1		Roller 2	
											L max mm	b <sub>5</sub> max mm	L max mm	b <sub>5</sub> max mm
E12B-1-513SF	19.05	E	11.68	15.62	15.80	20.0	12.00	5.72	31.50	16.1	48.0	11.5	43.0	9.0
E16B-1-548SF	25.4	E	17.02	25.45	25.81	32.0	15.88	8.28	44.50	21.0	65.0	12.5	—	—
E24B-1-722SF	38.1	L	11.68	15.62	15.80	20.0	12.00	5.72	31.50	16.1	48.0	11.5	—	—
E32B-1-728SF	50.8	L	17.02	25.45	25.81	32.0	15.88	8.28	44.50	21.0	65.0	12.5	—	—
E12B-2-513SF	19.05	D	11.68	15.62	15.80	20.0	12.07	8.72	52.00	16.1	68.0	11.5	—	—
E16B-2-548SF	25.4	D	17.02	25.45	25.81	32.0	15.88	8.28	76.76	21.0	97.0	12.5	—	—
E06B-3-455SF	9.525	T	5.72	8.53	—	—	6.35	3.28	20.48	8.2	34.0	—	—	—
E12B-3-513SF	19.05	T	11.68	15.62	15.80	20.0	12.07	5.72	38.92	16.1	61.7	—	—	—
E16B-3-548SF	25.4	T	17.02	25.45	25.81	32.0	15.88	8.28	63.76	21.0	99.9	—	—	—

Note: Substitute KRF for Plastic or VRF for Nylon Rollers.

### Stainless Steel

E12B-1SS-513SF	19.05	E	11.68	15.62	15.80	20.0	12.00	5.72	31.50	16.1	48.0	11.5	43.0	9.0
E16B-1SS-548SF	25.4	E	17.02	25.45	25.81	32.0	15.88	8.28	44.50	21.0	65.0	12.5	—	—
E24B-1SS-722SF	38.1	L	11.68	15.62	15.80	20.0	12.00	5.72	31.50	16.1	48.0	11.5	—	—
E32B-1SS-728SF	50.8	L	17.02	25.45	25.81	32.0	15.88	8.28	44.50	21.0	65.0	12.5	—	—
E12B-3SS-513SF	19.05	T	11.68	15.62	—	—	12.07	5.72	38.92	16.1	61.7	—	—	—
E16B-3SS-548SF	25.4	T	17.02	25.46	—	—	15.88	8.28	63.76	21.0	99.9	—	—	—

Note: Substitute KRF for Plastic or VRF for Nylon Rollers.

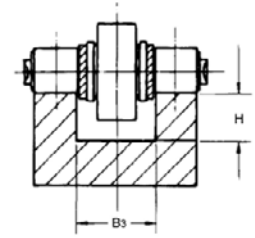
# Accumulator Chain

## For Automated Conveying Systems.

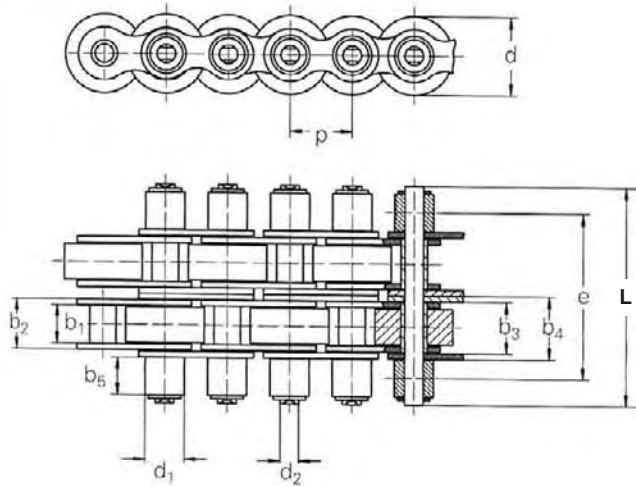
The temperature range for Accumulator Chain is  $-30^{\circ}$  to  $100^{\circ}\text{C}$  for Steel Rollers and  $-10^{\circ}$  to  $60^{\circ}\text{C}$  for Plastic Conveyor Rollers. Sprockets spacing and chain guide details are shown at right.



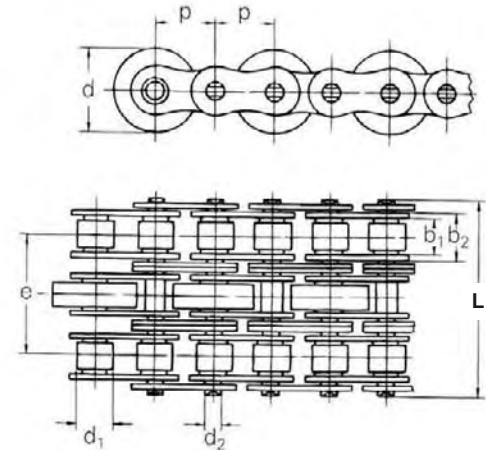
Size	B <sub>3</sub>	H
513 SF	20.8	15.0
513 SFK	20.8	15.0
D 513 SF	40.5	15.0
548 SF	33.0	20.0
D 548 SF	66.0	20.0
722 SF	20.8	15.0
728	33.0	27.0



Design D



Design T



## Standard

Dimensions		Conveyor Rollers						Minimum tensile strength F <sub>B</sub> min kN	Maximum load per m conveyor chain with 10 m conveyor length	
Roller 3		Designation for material			Roller Diameter Options				Steel Roller kg	Plastic Roller kg
L max mm	b <sub>5</sub> max mm	Steel	Plastic PA 6.6	Nylon Vestimide	Roller 1 d	Roller 2 d	Roller 3 d			
40.0	7.5	SF	SFK	SFV	24.0	26.0	28.0	29.00	300	260
—	—	SF	SFK	SFV	38.5	—	—	60.00	600	500
—	—	SF	SFK	SFV	24.0	26.0	28.0	29.00	300	260
—	—	SF	SFK	SFV	38.5	40.0	50.0	60.00	600	500
—	—	SF	SFK	SFV	24.0	26.0	28.0	57.80	600	520
—	—	SF	SFK	SFV	38.5	—	—	120.00	1200	1000
—	—	SF	SFK	SFV	9.2	15.0	—	16.80	100	100
—	—	SF	SFK	SFV	24.0	26.0	28.0	60.00	600	260
—	—	SF	SFK	SFV	38.5	—	—	120.00	1200	500

## Stainless Steel

40.0	75.0	SF RF	SFK RF	SFV RF	24.0	26.0	28.0	18.50	200	200
—	—	SF RF	SFK RF	SFV RV	38.5	—	—	40.00	300	300
—	—	SF RF	SFK RF	SFV RV	24.0	26.0	28.0	18.50	200	200
—	—	SF RF	SFK RF	SFV RV	38.5	40.0	50.0	40.00	300	300
—	—	SF RF	SFK RF	SFV RV	24.0	26.0	28.0	31.45	400	400
—	—	SF RF	SFK RF	SFV RV	38.5	—	—	68.00	600	600