

Variation of DK Regular Conveyor Chain

DK Conveyor Chains are available in a variety of dimensions, roller types, and material and heat treatment. Furthermore, the chains can be used for a broad range of application with our extensive selection of attachments and additional features.

Classified by Dimensions

DK Conveyor Chains can be classified into standard, strong H type and strong Z type with reference to the size of the base chain.

The Standard Conveyor Chain is the basic form of DK Conveyor Chains, and many attachments, materials, heat treatments, etc. are available.

The Strong H type Conveyor Chain was originally developed as a chain for bucket elevators with enhanced strength and is now available in a series. A small sized Strong H type Conveyor Chain is almost equal in strength to a large sized Standard Conveyor Chain, but since the dimensions and form differ, sprockets are not interchangeable. Generally, Strong H type Conveyor Chains are higher in strength than Standard Conveyor Chains with about the same roller diameter.

Strong Z type Conveyor Chains are further enhanced in strength than Strong H type Conveyor Chains by elevating the height of the inner plates, and the sprockets are interchangeable if the nominal number is the same. Strong H type Conveyor Chains are used in machines in which the plates slide on the floor, such as continuous flow conveyors, since the inner and outer plates have the same height.

On the other hand, Strong Z type Conveyor Chains exhibit high fatigue strength and are used in vertical conveyor bucket elevators.

Classified by Roller Type

The rollers of a conveyor chain function not only to engage the sprockets moving the chain but also to rotate and travel on a rail, conveying articles with small frictional loss. To meet various shapes of rails and prevent meandering, etc., four types of rollers, large roller, flange roller, medium roller and small roller, described on the following page are available.

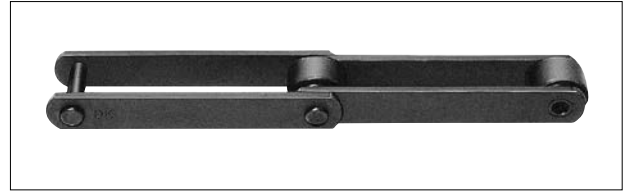
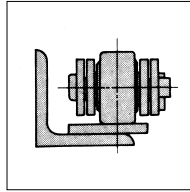
Furthermore, for smoother rotation, we offer large rollers and flange rollers with built-in bearings (BR and BF rollers, respectively), and UR and UF rollers with large clearances between the bushing and the roller to prevent the entry of foreign matters into the bearings. These rollers are often used in waste processing facilities.

In this catalogue, large rollers, flange rollers, medium rollers and small rollers are respectively expressed as R roller, F roller, M roller and S roller.

① R roller

R roller Conveyor Chains have rollers with an outer diameter larger than the width of plates.

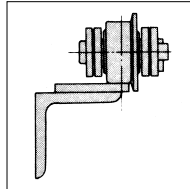
Since the rollers can easily roll, the chain is suitable for running on the floor while the rollers receive the live load.



② F roller

F roller Conveyor Chains have rollers with the same outer diameter as that of R roller but with flanges.

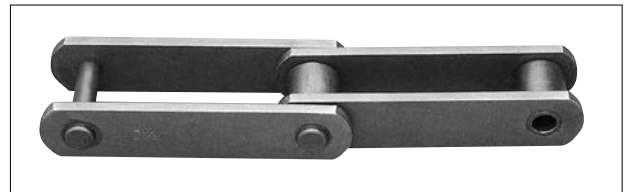
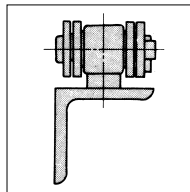
Since the flanges can receive the force acting on the lateral sides of the chain, the chain is suitable for receiving both a live load and a lateral load.



③ M roller

M roller Conveyor Chains have rollers with an outer diameter slightly smaller than the width of plates.

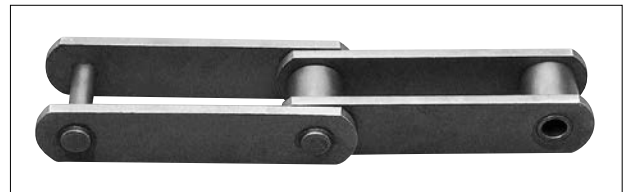
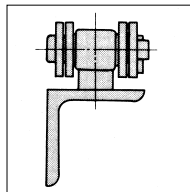
An M roller is designed for smoother engagement with the sprockets. Since the chain is light in weight, it is suitable for vertical conveyance.



④ S roller

S roller Conveyor Chains have rollers with an outer diameter smaller than that of the M roller.

The chain is suitable for vertical conveyance where rollers are less likely to be worn.

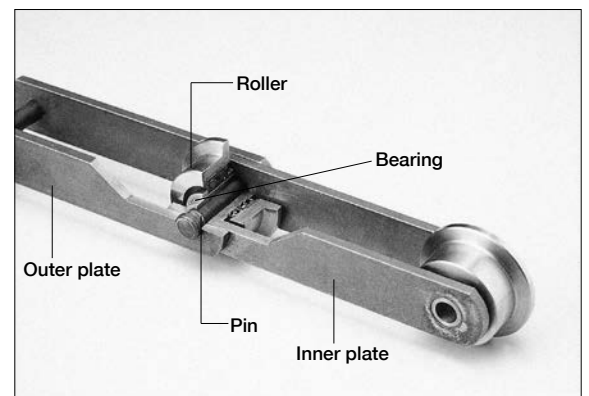


⑤ BR and BF Rollers (with built-in bearings)

BR and BF Roller Conveyor Chains have mostly identical structure to R roller and F Roller Conveyor Chains, respectively, except for the bearings inside for smoother rotation.

⑥ UR and UF Rollers (large clearance between bushing and roller)

UR and UF Roller Conveyor Chains have mostly identical structure to R Roller and F Roller Conveyor Chains, respectively. However, the clearances between the outer diameter of bushings and the inner diameter of the rollers are enlarged to prevent the rollers from fixing when foreign matters enter.



Classified by Material and Heat Treatment

DK Conveyor Chains are available in a variety of material and heat treatment for improved wear resistance, durability and even to withstand sea water, sludge and various chemicals. The following table lists the symbols, their meanings, features and applications.

Symbols

※ Chains according to specifications are listed on P219.

Environment	Material and heat treatment	Symbol	Material of respective components					Features and applications				
			Plate	Pin	Bushing	Roller						
						R,F	S,M					
Ordinary environment	(Cost-effective) Standard	(J)	Carbon steel	Alloy steel Heat treatment	Alloy steel Heat treatment	Carbon steel	—	For extra light loads. Rollers are not heat-treated.				
		A				Carbon steel Heat treatment	Carbon steel Heat treatment	Cost-efficient chain for general use.				
	P	Alloy steel Heat treatment						Alloy steel Heat treatment	Chain for vertical conveyor such as bucket elevator; improved wear resistance between pin and bushing.			
	C								Chain for running on a horizontal rail while rollers rotate; improved wear resistance at bushings' outer surfaces.			
	High wear resistance	S5				Alloy steel Heat treatment	Alloy steel Heat treatment	Carbon steel Heat treatment	Alloy steel Heat treatment	Universal wear resistant chain adopting both C and P.		
		D								Chain with tensile strength enhanced by plates of heat-treated alloy steel.		
		K								Chain high in durability and wear resistance. Superior quality chain high in tensile strength and wear resistance.		
										Effective in an environment where rusting causes stiffening of the chain, or where smooth revolution of roller tends to diminish.		
	Slightly corrosive environment	With stainless steel parts				E	Carbon steel	13Cr stainless steel Heat treatment	13Cr stainless steel Heat treatment	Alloy steel Heat treatment	Alloy steel Heat treatment	Chain higher in tensile strength than D3.
						D3	Alloy steel Heat treatment					Highly effective in a more corrosive environment that D3 cannot tolerate, especially in a location where corrosion is likely to heavily wear pins and cause corrosion fatigue.
D4			Carbon steel	Chain higher in tensile strength than D1.								
D1			Alloy steel Heat treatment	Stainless steel is adopted also for rollers to protect rollers against corrosion defects.								
S3			Carbon steel	Chain higher in tensile strength than D5.								
D2			Alloy steel Heat treatment	The same as the following SH except that plates are not heat-treated. This chain can be used when chain tension is small.								
D5			13Cr stainless steel	All components are made of heat treated 13Cr stainless steel, and have excellent strength, wear resistance and corrosion resistance.								
Corrosive environment	Stainless steel	D6	18-8 stainless steel	18-8 stainless steel	18-8 stainless steel	18-8 stainless steel	18-8 stainless steel	Plates are made of 18-8 stainless steel, so that the chain can be used in corrosive environment such as exposed to chemical compounds and/or under high temperature.				
		S4						All components are made of 18-8 stainless steel, to provide exceptionally high corrosion resistance.				
		SH						SN treatment can be any components It can be enhanced chain life, especially suitable for severe corrosion wear and fatigue parts.				
		Special stainless steel						Carbon steel	13Cr stainless steel SN treatment	13Cr stainless steel SN treatment	13Cr stainless steel SN treatment	13Cr stainless steel SN treatment
Alloy steel Heat treatment												
13Cr stainless steel												
18-8 stainless steel												

Note: The standard chains are designed to be the most cost efficient. Where greater strength or higher wear resistance is required, heavy duty chains are recommended.

Classification by Surface Treatment

There are a variety of selection for heat treatment and specifications for the conveyor chains. Specific treatments can be applied not only to the chain as a whole but to each component separately, such as pins or plates only. Select desired combinations in reference to the following explanation of features and uses.

Double Guard Coating



The surface is treated with outstanding corrosion resistant coating that approaches the resistance of stainless steel. Double guard coating consists of double layers of two different materials. It exhibits nearly doubled corrosive resistance in the salt water spray test compared to our conventional high guard coating, and can be used in mild alkaline or mild acidic conditions up to pH3.

With its improved corrosive resistance, it can be used in circumstances where high guard or plated coatings cannot be used, and even in some conditions where only stainless steel can be used.

(Double guard coating cannot be applied to welded parts.)

High Guard Coating



High guard coated surface has superb corrosion resistance.

The surface of the chain is finished in non-gloss white highly protective coating. It has excellent resistance to salt corrosion and rusting.

Since high guard coating acts as a sacrificial anode for the chain body, you can expect sufficient corrosion resistance even when the coating has come off to some extent. Also, it can be applied to welded parts.

It is recommended for outdoor use or near the sea in circumstances where performance as high as that of stainless steel is not necessary. In circumstances that require resistance to alkaline and acid, double guard or stainless steel coating is recommended as they have better resistance than high guard.

Plating



Plating is mostly done with nickel. It is a coating with both appealing exterior and corrosion resistance. By using it with grease lubrication, it exhibits excellent corrosion resistance. You can expect the effect to delay hydrogen brittle destruction when used in circumstances where chains are exposed to sea breeze or acidic sprays.

(Nickel plating cannot be applied to welded parts.)

Symbols



Resistant against corrosive gas (by CASS test)



Resistant against rain, moisture or sea water



Resistant against alkali liquid



Resistant against acid liquid

Chain Specifications

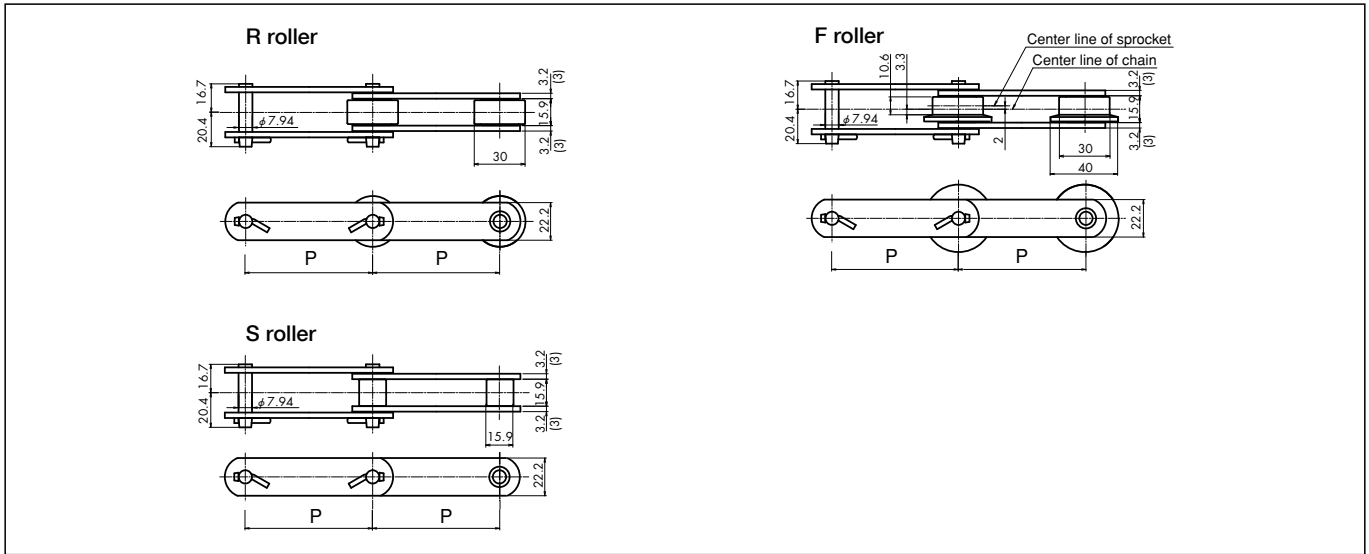
1. Standard Conveyor Chain (for Metric and Inch series)

	Chain No.	Roller type				Tensile strength kN (kgf)							
		Large roller Flange roller R	Medium roller Small roller M	Bearing assembled roller Large roller with large clearance Flange roller with large clearance S	Standard A, J	Wear resistant C, D, P	Heavy-duty K, E	With stainless steel parts		Stainless steel			
								D1, D3, D5	D2, D4, D6	S4	SH	S3	S5
Standard conveyor chain for metric series	DK 03075 DK 03100 DK 03125 DK 03150	○ ○	× ○	× ○ ○	34.3 (3,500)	69.6 (7,100)	34.3 (3,500)	69.6 (7,100)	29.4 (3,000)	49.0 (5,000)	31.3 (3,200)	33.3 (3,400)	
	DK 07075 DK 07100 DK 07125 DK 07150	○ ○	× ○	× ○ ○	68.6 (7,000)	132 (13,500)	68.6 (7,000)	132 (13,500)	68.6 (7,000)	103 (10,500)	63.7 (6,500)	81.3 (8,300)	
	DK 09100 DK 09125 DK 09150	○ ○	○ ○	× ○ ○	88.2 (9,000)	156 (16,000)	88.2 (9,000)	156 (16,000)	83.3 (8,500)	132 (13,500)	73.5 (7,500)	87.2 (8,900)	
	DK 11100 DK 11125 DK 11150 DK 11200	○ ○	○ ○	○ ○ ○	112 (11,500)	225 (23,000)	112 (11,500)	225 (23,000)	102 (10,500)	166 (17,000)	102 (10,500)	112 (11,500)	
	DK 13150 DK 13200	○ ○	○ ○	○ ○ ○	127 (13,000)	240 (24,500)	132 (13,500)	240 (24,500)	122 (12,500)	196 (20,000)	127 (13,000)	127 (13,000)	
	DK 19200 DK 19250 DK 19300	○ ○	○ ○	○ ○ ○	186 (19,000)	279 (28,500)	186 (19,000)	279 (28,500)	171 (17,500)	274 (28,000)	132 (13,500)	176 (18,000)	
	DK 25200 DK 25250 DK 25300	○ ○	○ ○	○ ○ ○	245 (25,000)	392 (40,000)	245 (25,000)	392 (40,000)	205 (21,000)	323 (33,000)	186 (19,000)	225 (23,000)	
	DK 32200 DK 32250 DK 32300 DK 32450	○ ○	○ ○	○ ○ ○	313 (32,000)	500 (51,000)	313 (32,000)	500 (51,000)	294 (30,000)	460 (47,000)	254 (26,000)	313 (32,000)	
	DK 50250 DK 50300 DK 50450 DK 50600	○ ○	○ ○	○ ○ ○	490 (50,000)	686 (70,000)	490 (50,000)	686 (70,000)	490 (50,000)	686 (70,000)	333 (34,000)	519 (53,000)	
	DK 65300 DK 65450	○ ○	○ ○	× ○ ○	637 (65,000)	882 (90,000)	637 (65,000)	882 (90,000)	568 (58,000)	833 (85,000)	402 (41,000)	588 (60,000)	
	Standard conveyor chain in inch series	DK 05101	○ ×	× ○	× ○ ×	53.9 (5,500)	98.0 (10,000)	53.9 (5,500)	98.0 (10,000)	49.0 (5,000)	78.4 (8,000)	49.0 (5,000)	52.9 (5,400)
		DK 08066 DK 08101	× × ○ ○	○ ○ ○ ○	× × × × ○ ○	78.4 (8,000)	142 (14,500)	78.5 (8,000)	142 (14,500)	68.6 (7,000)	112 (11,500)	68.6 (7,000)	73.4 (7,500)
		DK 09101	○ ×	○ ○	× ○ ×	88.2 (9,000)	156 (16,000)	88.2 (9,000)	156 (16,000)	83.3 (8,500)	127 (13,000)	83.3 (8,500)	88.2 (9,000)
		DK 11152	○ ○	○ ○	○ ○ ○	112 (11,500)	171 (17,500)	112 (11,500)	171 (17,500)	102 (10,500)	171 (17,500)	83.3 (8,500)	117 (12,000)
		DK 13101	○ ×	○ ○	× ○ ×	127 (13,000)	240 (24,500)	127 (13,000)	240 (24,500)	122 (12,500)	196 (20,000)	127 (13,000)	127 (13,000)
		DK 19152	○ ○	○ ○	○ ○ ○	186 (19,000)	279 (28,500)	186 (19,000)	279 (28,500)	171 (17,500)	274 (28,000)	132 (13,000)	176 (18,000)
DK 25152		○ ○	○ ○	○ ○ ○	245 (25,000)	392 (40,000)	245 (25,000)	392 (40,000)	205 (21,000)	323 (33,000)	186 (19,000)	225 (23,000)	

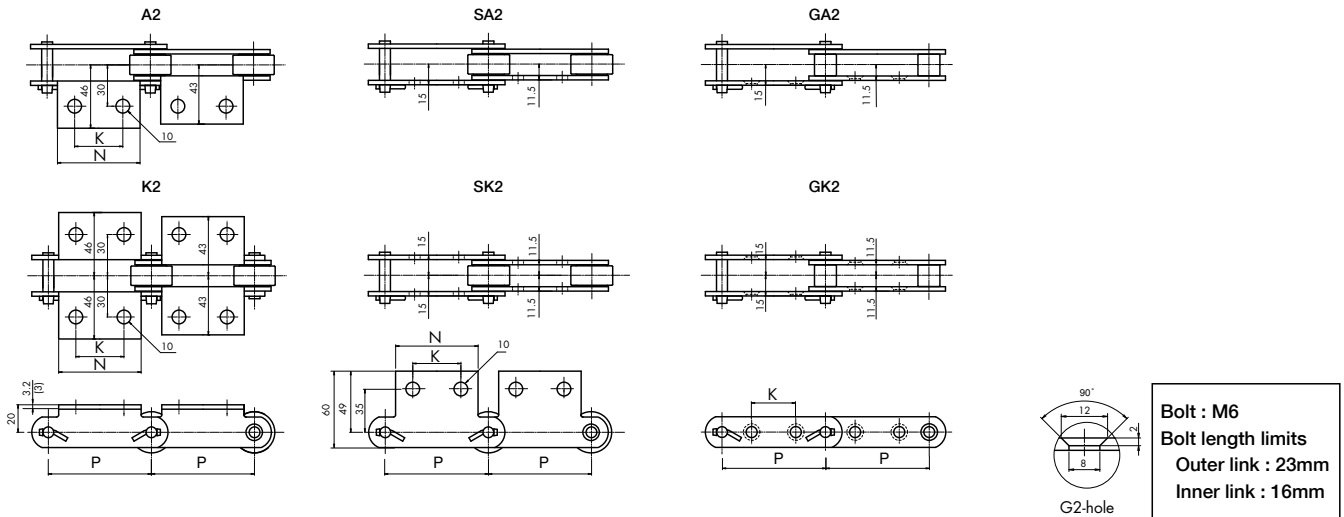
○ : Standard product × : Custom-made ※ Tensile Strength of SN type is same as base chain

DK Conveyor Chains
Standard Conveyor Chain

Dimensional Drawings: DK 03075, DK 03100, DK 03125, DK 03150 (for Metric series)



Attachment

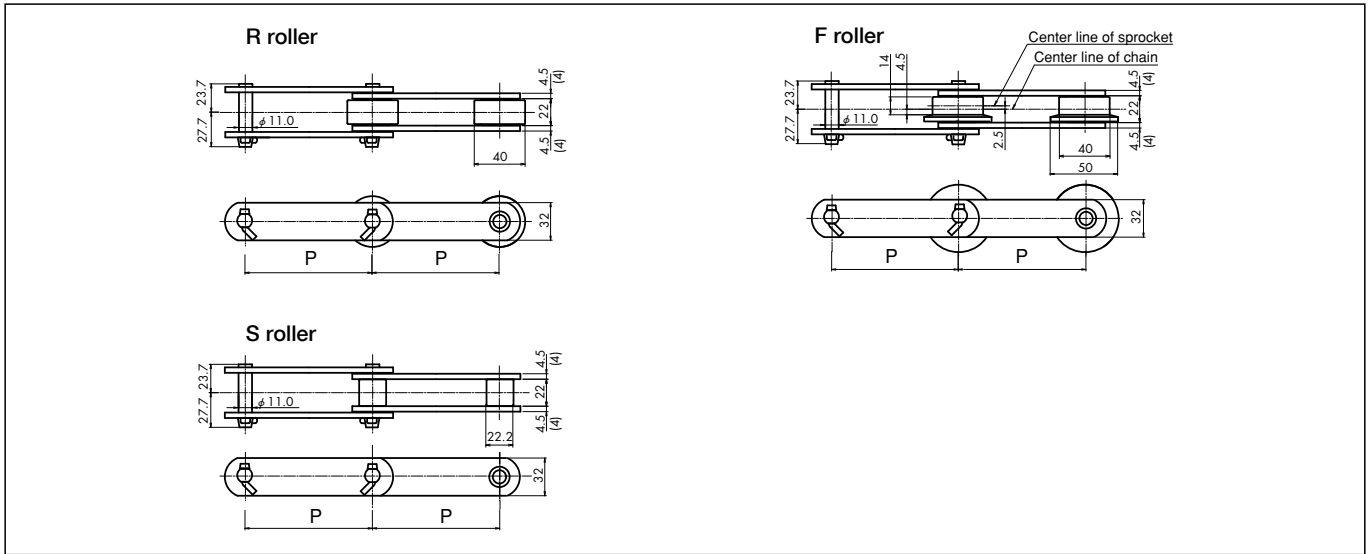


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments													
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4			
					N	N	K	N	K	N	K	N	K	K	Y	B		
DK 03075	R,F,S	34.3 (3,500)	69.6 (7,100)	75	—	60	35	—	—	60	35	32	—	—	—	—		
DK 03100	R,F,S			100	—	65	40	—	—	65	40	40	—	—	—	—	—	
DK 03125	R,F,S			125	—	75	50	—	—	—	—	50	—	—	—	—	—	—
DK 03150	R,F,S			150	—	85	60	—	—	—	—	60	—	—	—	—	—	—

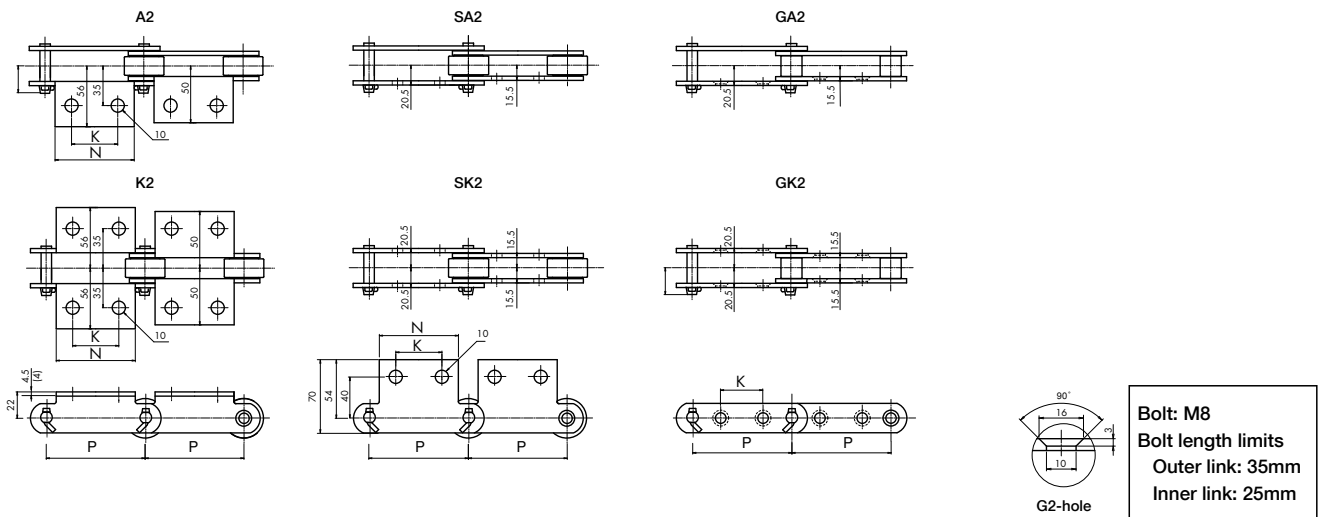
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2 SA2	A3	K2 SK2	K3	G4
DK 03075	R,F,S	—	R,F,S	—	R,S	S	—	2.6	2.8	1.8	—	0.05	—	0.10	—	—
DK 03100	R,F,S	—	R,F,S	—	R,S	R,F,S	—	2.2	2.4	1.6	—	0.06	—	0.12	—	—
DK 03125	R,F,S	—	R,F,S	—	—	R,S	—	2.0	2.1	1.5	—	0.07	—	0.14	—	—
DK 03150	R,F,S	—	R,F,S	—	—	R,F,S	—	1.8	1.8	1.4	—	0.08	—	0.16	—	—

- Note: 1. Values in () for the plate thickness are for the stainless steel chains. Values for plate thickness without () apply to all types.
 2. The dimensions of the normal and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 3. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 07075, DK 07100, DK 07125 and DK 07150 (for Metric series)



Attachment

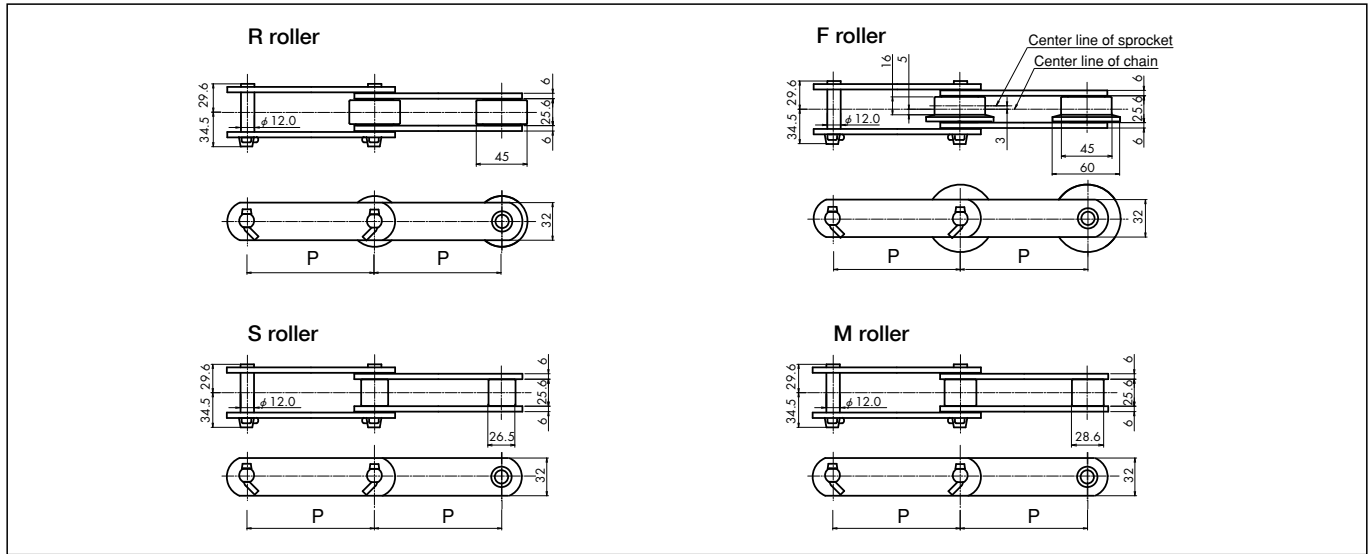


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments												
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4		
					K	N	K	N	K	N	K	N	K	K	Y	B	
DK 07075	R,F,S	68.6 (7,000)	132 (13,500)	75	—	60	35	—	—	—	—	—	—	—	—	—	
DK 07100	R,F,S			100	—	65	40	—	—	65	40	40(34)	—	—	—	—	—
DK 07125	R,F,S			125	—	75	50	—	—	—	—	50	—	—	—	—	—
DK 07150	R,F,S			150	—	85	60	—	—	85	60	60	—	—	—	—	—

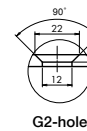
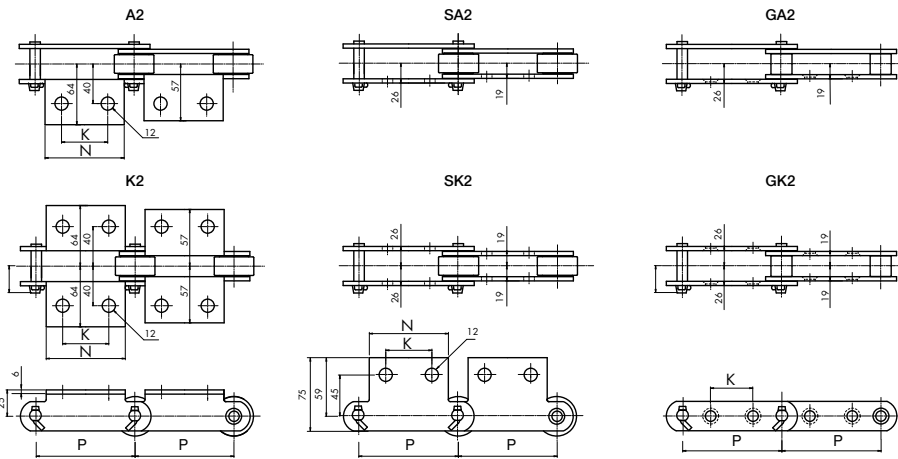
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2 SA2	A3	K2 SK2	K3	G4
DK 07075	R,F,S	—	R,F,S	—	—	—	—	5.6	5.9	3.8	—	0.09	—	0.18	—	—
DK 07100	R,F,S	—	R,F,S	—	R,S	R,F,S	—	5.0	5.2	3.6	—	0.10	—	0.20	—	—
DK 07125	R,F,S	—	R,F,S	—	—	R,F,S	—	4.6	4.8	3.5	—	0.12	—	0.24	—	—
DK 07150	R,F,S	—	R,F,S	—	R,S	R,F,S	—	4.2	4.4	3.4	—	0.13	—	0.26	—	—

- Note: 1. Dimensions in () for the plate thickness are for the stainless steel chains. Dimensions for plate thickness without () apply to all types.
 2. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 3. The K dimensions in () for Attachment GA2 and GK2 are for Roller F.
 4. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 09100, DK 09125, DK 09150 and DK 09200 (for Metric series)



Attachment



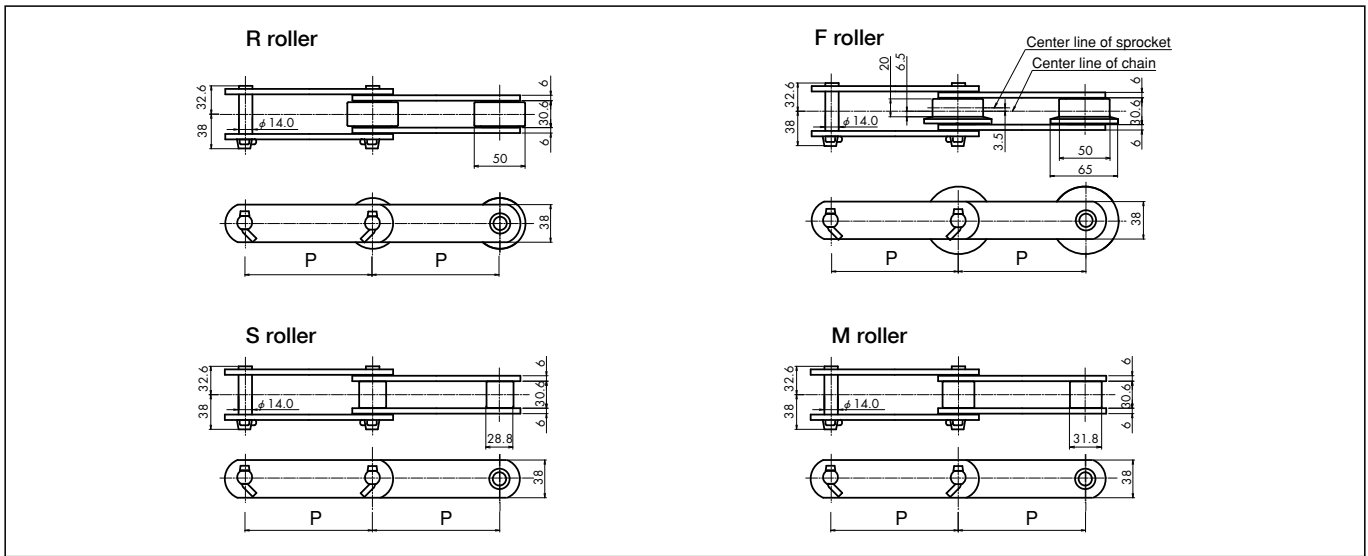
Bolt: M10
Bolt length limits
 Outer link: 43mm
 Inner link: 30mm

Chain No.		Avg. tensile strength kN (kgf)		Pitch P	Standard attachments												
Chain size	Roller type	Standard A,J	Heavy duty K,E		A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4		
				N	N	K	N	K	N	K	N	K	K	K	Y	B	
DK 09100	R,F,S,M	88.2 (9,000)	156 (16,000)	100	—	70	40	—	—	—	—	—	35	—	—	—	
DK 09125	R,F,S,M			125	—	80	50	—	—	—	—	—	—	45	—	—	—
DK 09150	R,F,S,M			150	—	90	60	—	—	90	60	60	—	—	—	—	—
DK 09200	R,F,S,M			200	—	110	80	—	—	—	—	—	—	80	—	—	—

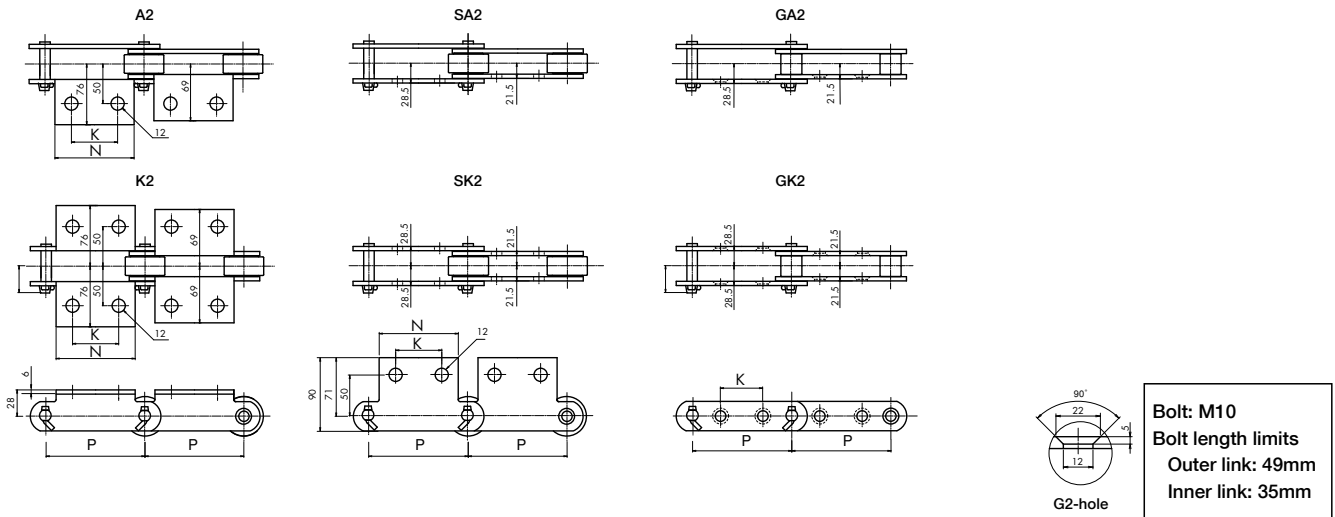
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2 SA2	A3	K2 SK2	K3	G4
DK 09100	R,F,S,M	—	R,F,S,M	—	—	S,M	—	7.1	7.4	5.1	5.7	0.16	—	0.32	—	—
DK 09125	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	—	6.4	6.6	4.8	5.4	0.18	—	0.36	—	—
DK 09150	R,F,S,M	—	R,F,S,M	—	R,S,M	R,F,S,M	—	5.8	6.0	4.6	5.1	0.20	—	0.40	—	—
DK 09200	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	—	5.1	5.3	4.2	4.3	0.22	—	0.44	—	—

Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 2. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 11100, DK 11125, DK 11150 and DK 11200 (for Metric series)



Attachment

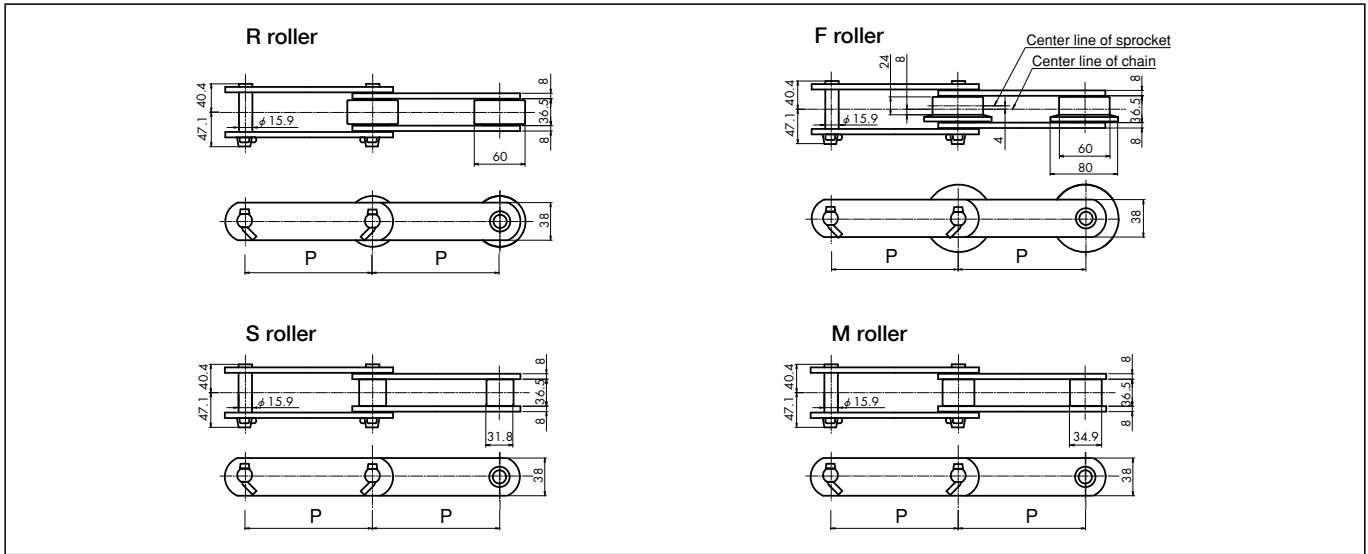


Chain No.		Avg. tensile strength kN (kgf)		Pitch P	Standard attachments											
Chain size	Roller type	Standard A,J	Heavy duty K,E		A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4	
					N	N	K	N	K	N	K	K	K	Y	B	
DK 11100	R,F,S,M	112 (11,500)	225 (23,000)	100	—	70	40	—	—	70	40	35	—	—	—	
DK 11125	R,F,S,M			125	—	80	50	—	—	—	—	35	—	—	—	—
DK 11150	R,F,S,M			150	—	90	60	—	—	90	60	60	—	—	—	—
DK 11200	R,F,S,M			200	—	110	80	—	—	—	—	80	—	—	—	—

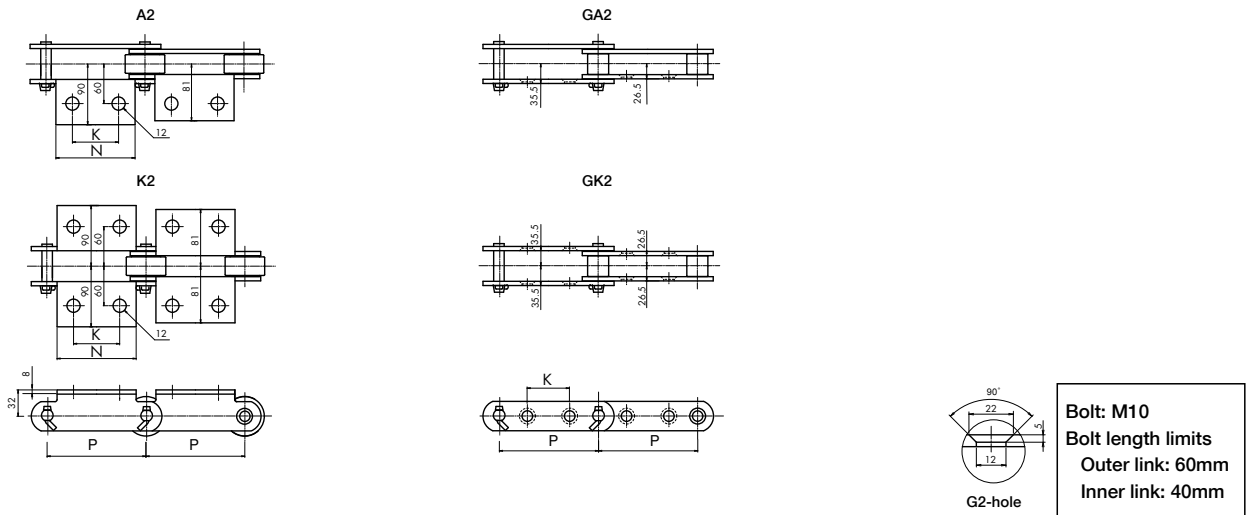
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2 SA2	A3	K2 SK2	K3	G4
DK 11100	R,F,S,M	—	R,F,S,M	—	R,S,M	S,M	—	9.6	10.1	6.6	7.1	0.19	—	0.39	—	—
DK 11125	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	—	8.5	8.9	6.1	6.6	0.21	—	0.42	—	—
DK 11150	R,F,S,M	—	R,F,S,M	—	R,S,M	R,F,S,M	—	7.6	7.9	5.7	6.1	0.24	—	0.48	—	—
DK 11200	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	—	6.5	6.8	5.2	5.5	0.29	—	0.58	—	—

Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
2. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 13150 and DK 13200 (for Metric series)



Attachment



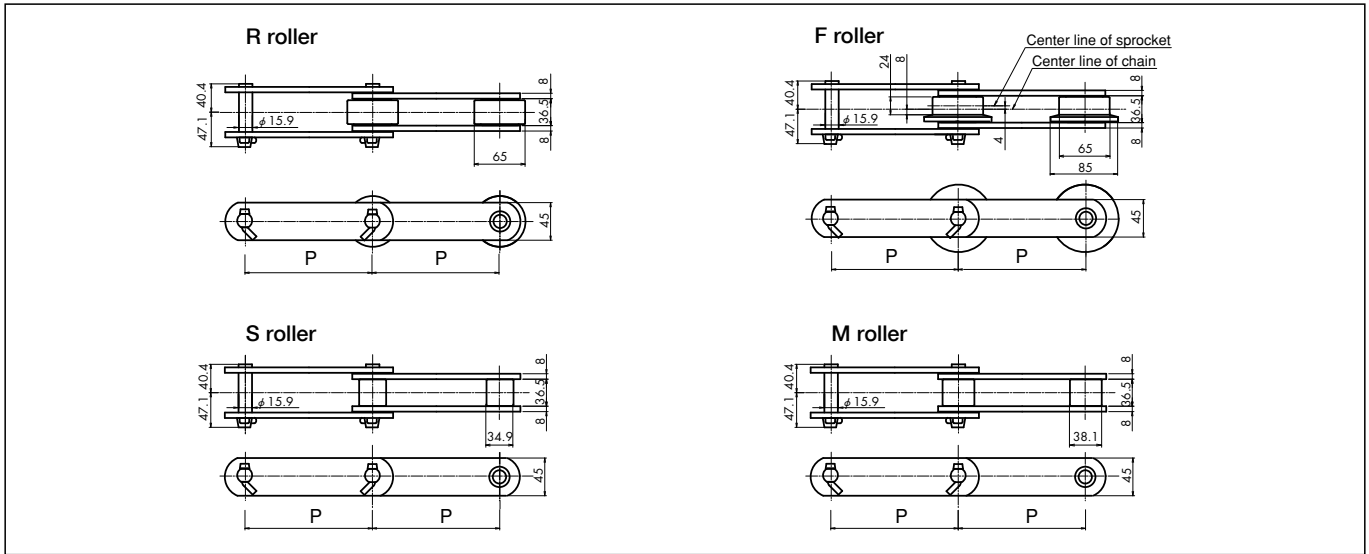
Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments											
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4	
					K	N	K	N	K	N	K	N	K	K	Y	B
DK 13150	R,F,S,M	127	240	150	—	90	60	—	—	—	—	—	45	—	—	—
DK 13200	R,F,S,M	(13,000)	(24,500)	200	—	110	80	—	—	—	—	—	80	—	—	—

Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2	A3	K2	K3	G4
DK 13150	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	—	10.9	11.6	7.6	8.1	0.39	—	0.78	—	—
DK 13200	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	—	9.3	9.8	6.9	7.2	0.48	—	0.96	—	—

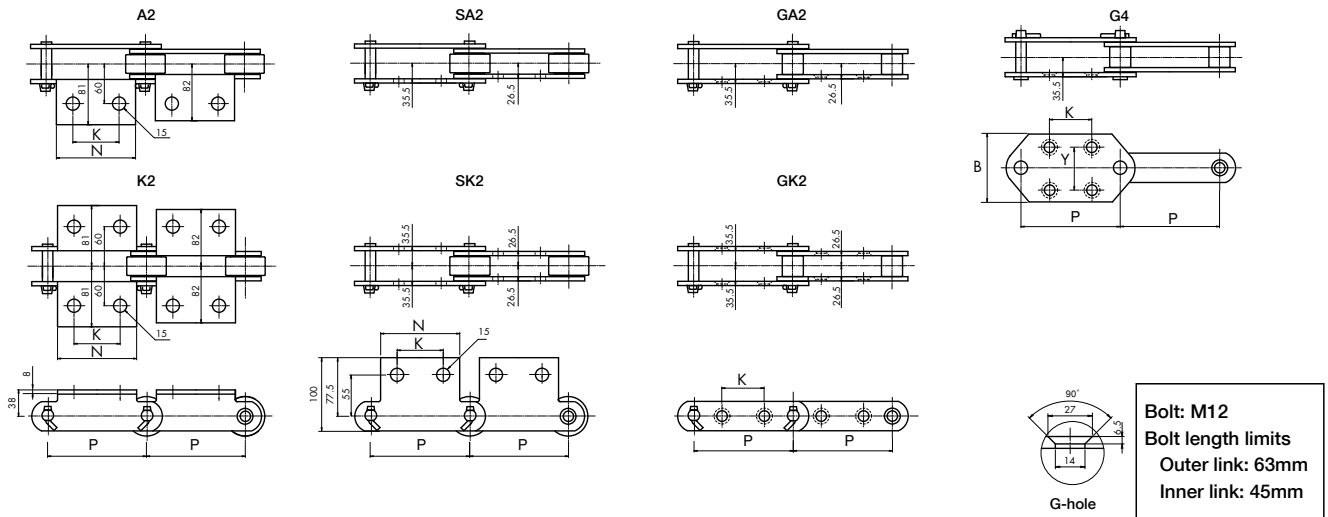
Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.

2. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 19200, DK 19250 and DK 19300 (for Metric series)



Attachment

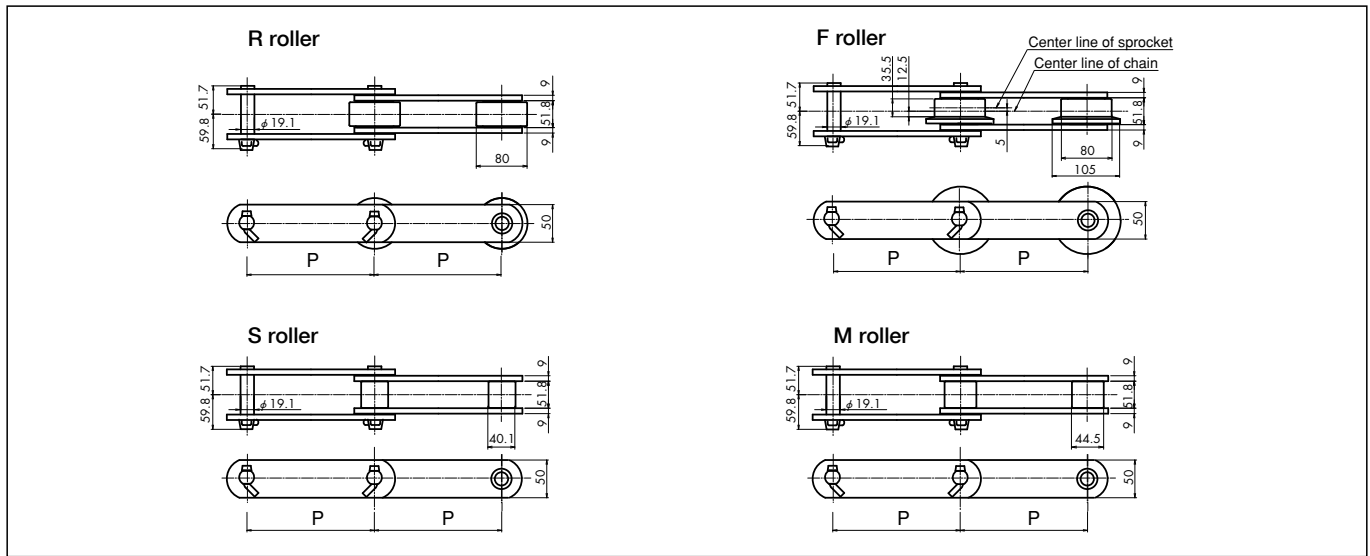


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments											
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4	
					N	K	N	K	N	K	N	K	K	K	Y	B
DK 19200	R,F,S,M	186 (19,000)	279 (28,500)	200	—	120	80	—	—	120	80	80	100	80	125	—
DK 19250	R,F,S,M			250	—	170	125	—	—	170	125	125	100	80	125	—
DK 19300	R,F,S,M			300	—	220	180	—	—	—	—	150	—	—	—	—

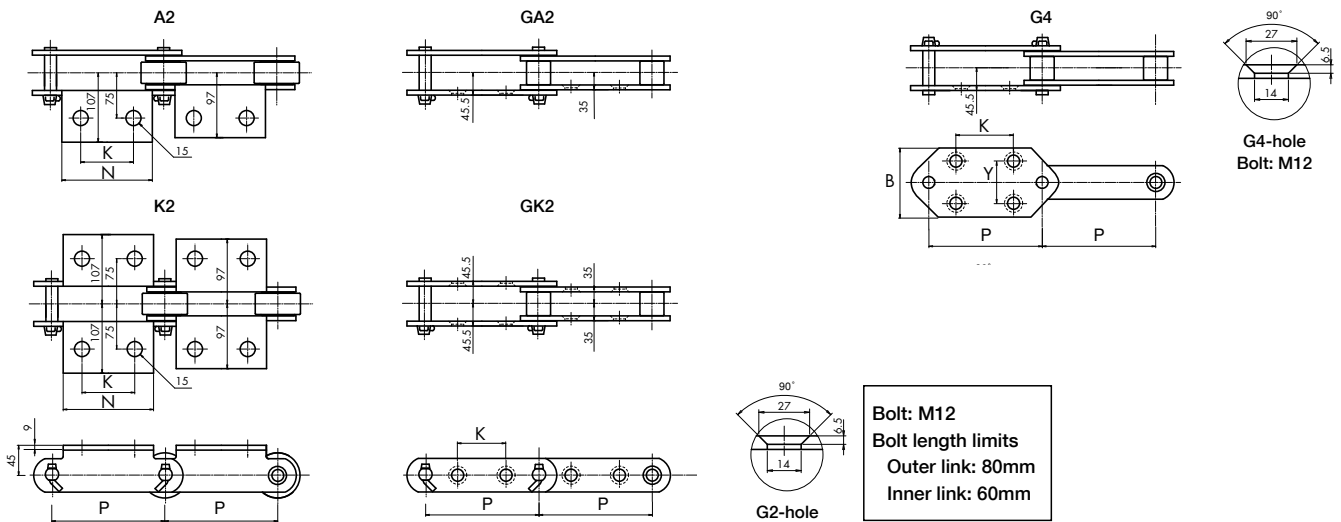
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2 SA2	A3	K2 SK2	K3	G4
DK 19200	R,F,S,M	—	R,F,S,M	—	R,S,M	R,F,S,M	R,F,S,M	11.5	12.1	8.4	8.6	0.49	—	0.98	—	0.95
DK 19250	R,F,S,M	—	R,F,S,M	—	R,S,M	R,F,S,M	R,F,S,M	10.3	10.8	7.9	8.1	0.69	—	1.38	—	1.20
DK 19300	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	—	9.5	10.0	7.5	7.8	0.89	—	1.78	—	—

Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
2. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 25200, DK 25250 and DK 25300 (for Metric series)



Attachment

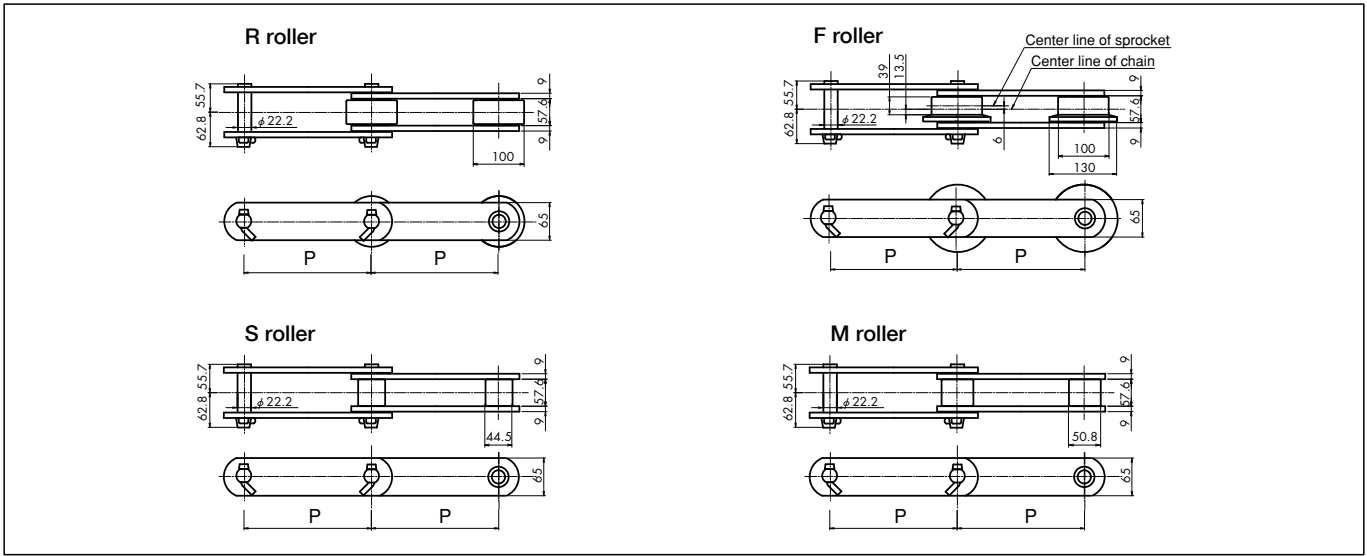


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments										
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		G4		
					K	N	K	N	K	N	K	K	K	Y	B
DK 25200	R,F,S,M	245 (25,000)	392 (40,000)	200	—	120	80	—	—	—	—	70	100	80	125
DK 25250	R,F,S,M			250	—	170	125	—	—	—	—	110	140	80	125
DK 25300	R,F,S,M			300	—	220	180	—	—	—	—	150	—	—	—

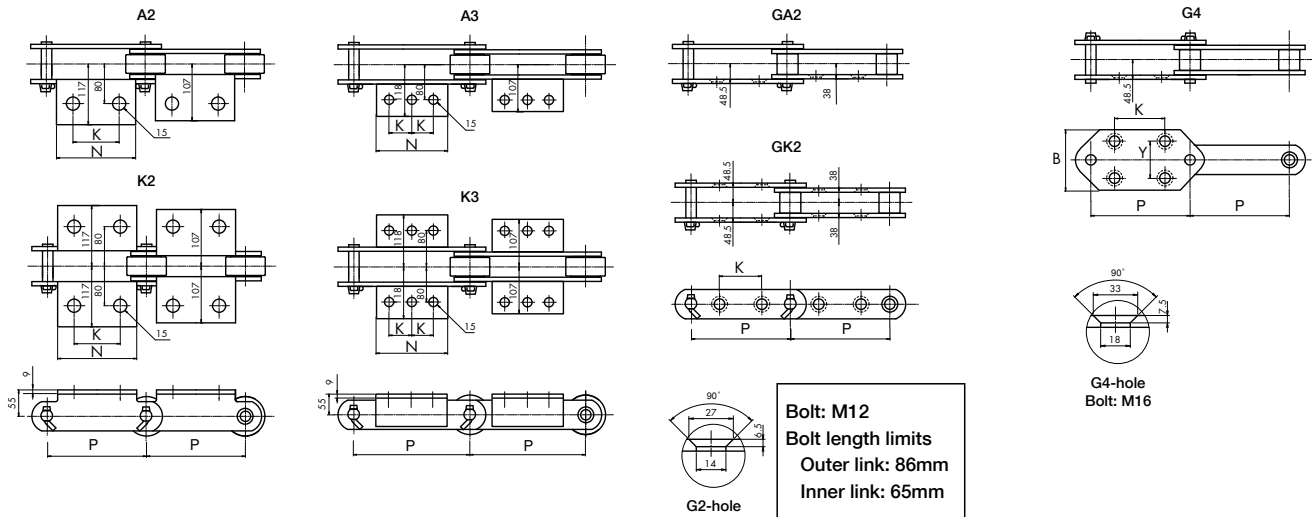
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2	A3	K2	K3	G4
DK 25200	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	R,F,S,M	18.2	19.5	11.4	11.9	0.63	—	1.26	—	1.05
DK 25250	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	R,F,S,M	15.9	17.0	10.6	11.0	0.90	—	1.80	—	1.32
DK 25300	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	—	14.5	15.3	9.9	10.3	1.16	—	2.32	—	—

Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
2. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 32200, DK 32250, DK 32300 and DK 32450 (for Metric series)



Attachment



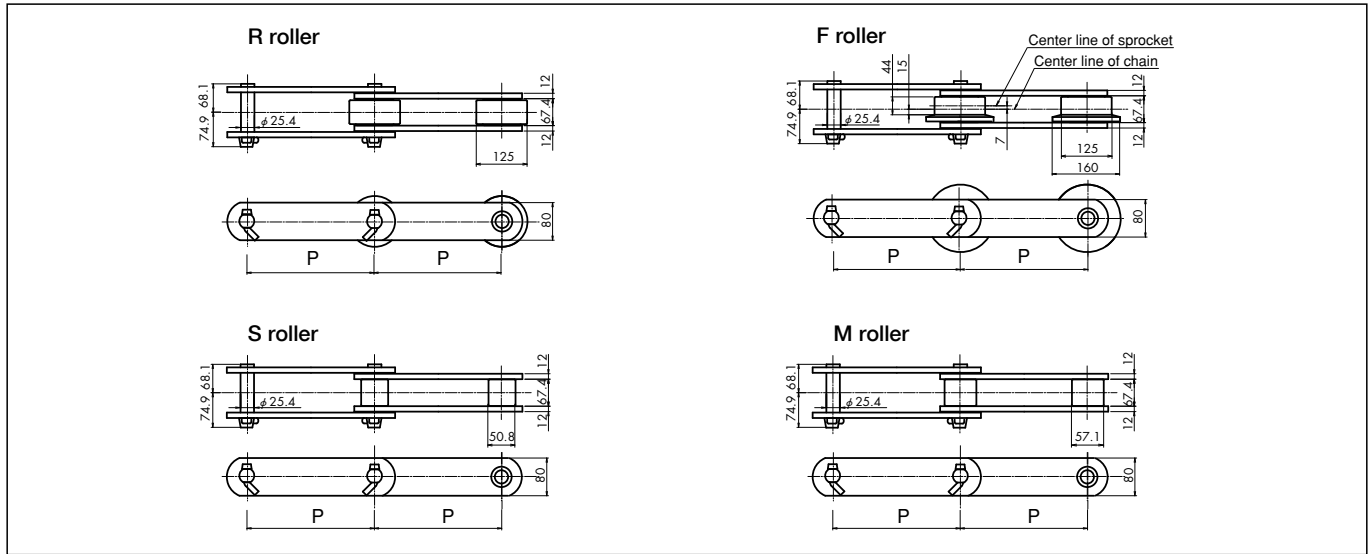
DK Conveyor Chains
Standard Conveyor Chain

Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments								
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1 N	A2 · K2 N K	A3 · K3 N K	SA2 · SK2 N K	GA2 · GK2 K	G4 K Y B			
DK 32200	R,F,S,M	313 (32,000)	500 (51,000)	200	—	120 80	—	—	—	70(40)	100	80	125
DK 32250	R,F,S,M			250	—	170 125	—	—	—	110(90)	140	100	150
DK 32300	R,F,S,M			300	—	220 180	—	—	—	140	170	100	150
DK 32450	R,F,S,M			450	—	330 280	330	140	—	—	220	—	—

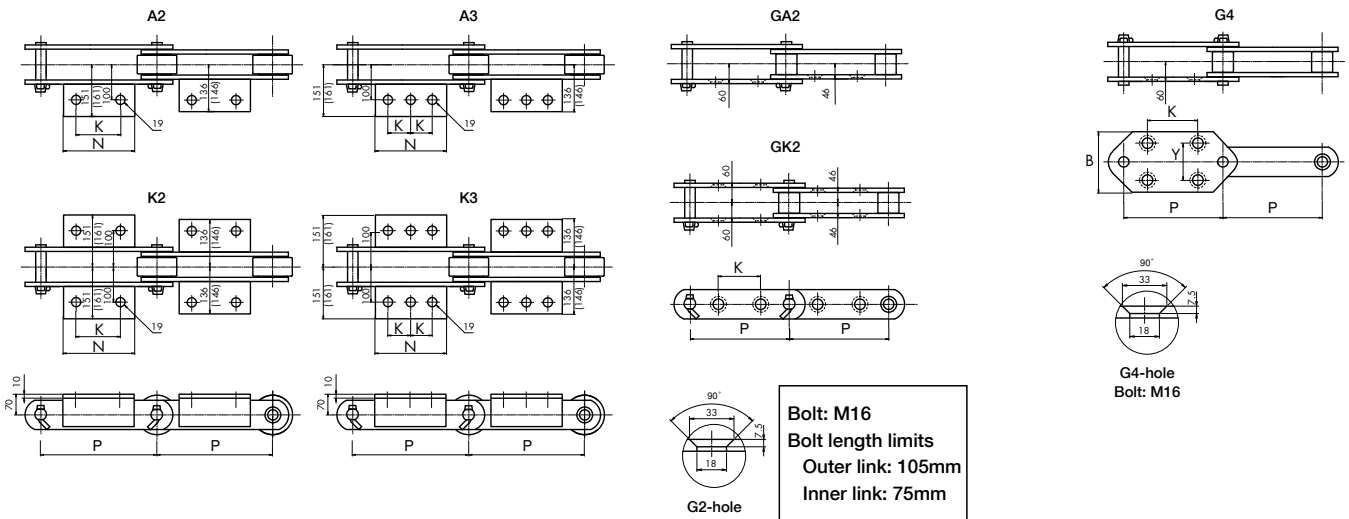
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2	A3	K2	K3	G4
DK 32200	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	R,F,S,M	28.2	30.2	15.5	16.4	0.72	—	1.44	—	0.91
DK 32250	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	R,F,S,M	24.6	26.2	14.4	15.2	1.01	—	2.02	—	1.48
DK 32300	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	R,F,S,M	22.0	23.4	13.6	14.2	1.31	—	2.62	—	1.78
DK 32450	R,F,S,M	—	R,F,S,M	R,F,S,M	—	R,F,S,M	—	17.8	18.7	11.9	12.1	—	1.97	—	3.97	—

- Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 2. K dimensions in () for Attachment GA2 and GK2 are for Roller F.
 3. With Attachment GA2 and GK2, check the bolt length limits shown above.
 4. Attachment A3 and K3 are angle welding attachments.

Dimensional Drawings: DK 50250, DK 50300, DK 50450 and DK 50600 (for Metric series)



Attachment

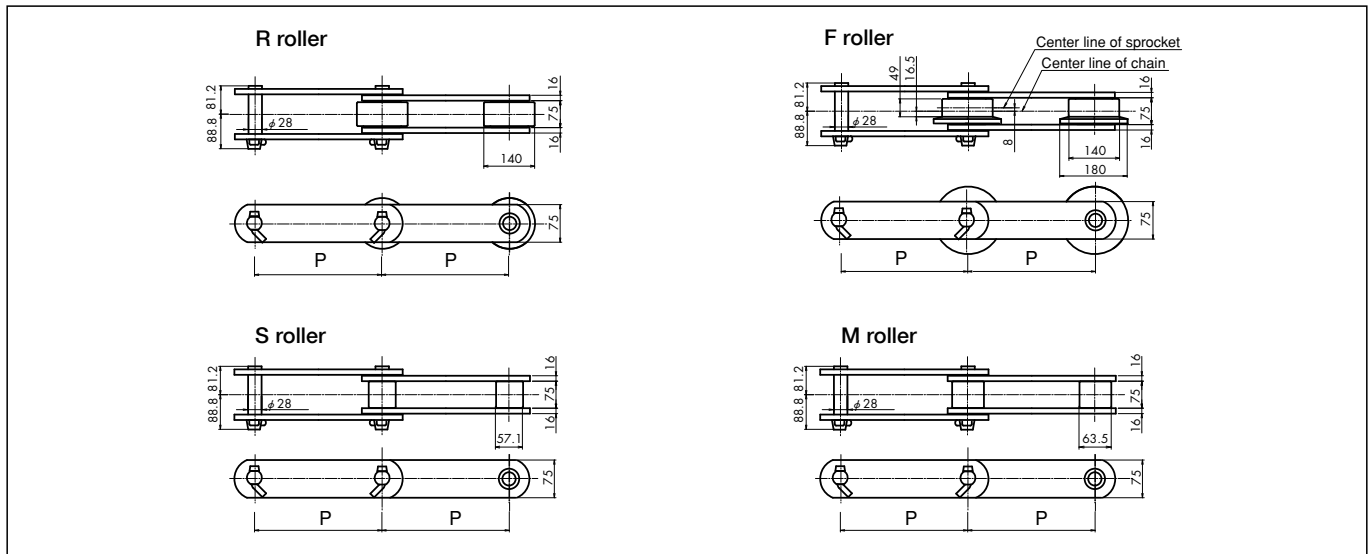


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments										
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		G4		
					N	N	K	N	K	N	K	K	K	Y	B
DK 50250	R,F,S,M	490 (50,000)	686 (70,000)	250	—	170	125	—	—	—	—	90 (55)	140	100	150
DK 50300	R,F,S,M			300	—	220	180	—	—	—	—	140(105)	170	100	150
DK 50450	R,F,S,M			450	—	—	—	330	140	—	—	220	—	—	—
DK 50600	R,F,S,M			600	—	—	—	410	180	—	—	300	—	—	—

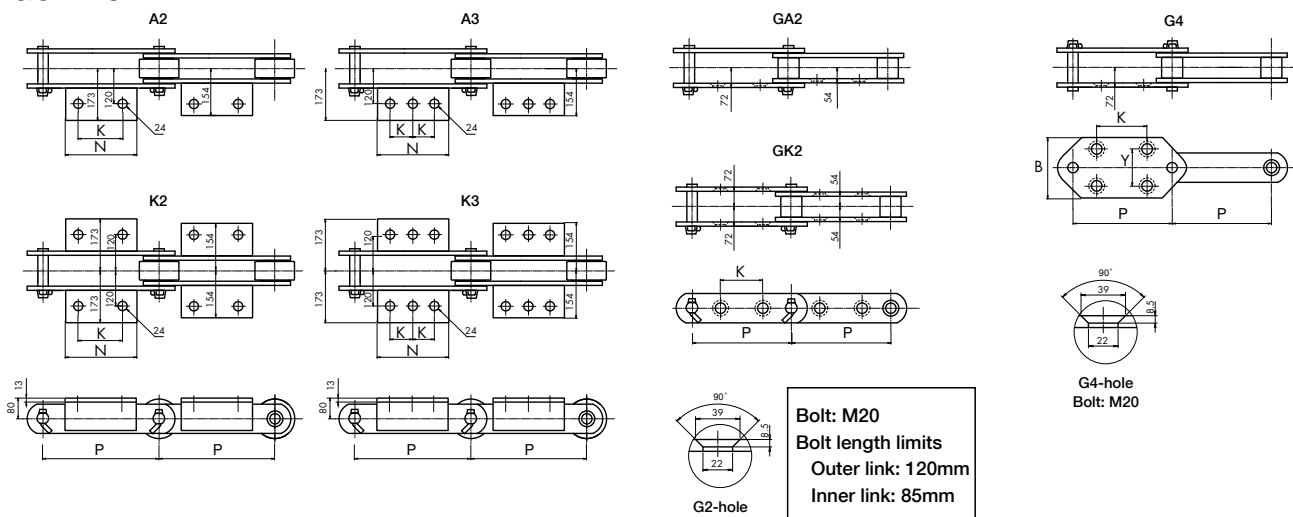
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2	A3	K2	K3	G4
DK 50250	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	R,F,S,M	42.7	45.8	24.1	25.2	2.26	—	4.52	—	1.74
DK 50300	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	R,F,S,M	38.0	40.4	22.4	23.3	2.93	—	5.86	—	2.07
DK 50450	R,F,S,M	—	—	R,F,S,M	—	R,F,S,M	—	30.3	31.9	19.8	20.2	—	4.39	—	8.78	—
DK 50600	R,F,S,M	—	—	R,F,S,M	—	R,F,S,M	—	26.7	28.0	19.0	19.4	—	5.45	—	10.90	—

- Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 2. K dimensions in () for Attachment GA2 and GK2 are for Roller F.
 3. With Attachment GA2 and GK2, check the bolt length limits shown above.
 4. Attachment A3 and K3 are angle welding attachments.

Dimensional Drawings: DK 65300 and DK 65450 (for Metric series)



Attachment

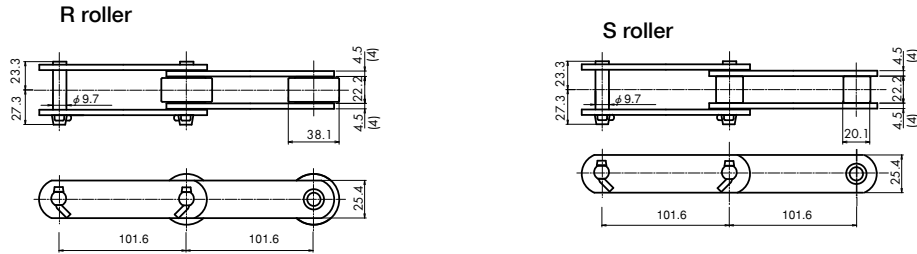


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments										
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		G4		
					N	N	K	N	K	N	K	K	K	Y	B
DK 65300	R,F,S,M	637	882	300	—	180	130	—	—	—	—	120(80)	170	100	160
DK 65450	R,F,S,M	(65,000)	(90,000)	450	—	—	—	330	140	—	—	200	—	—	—

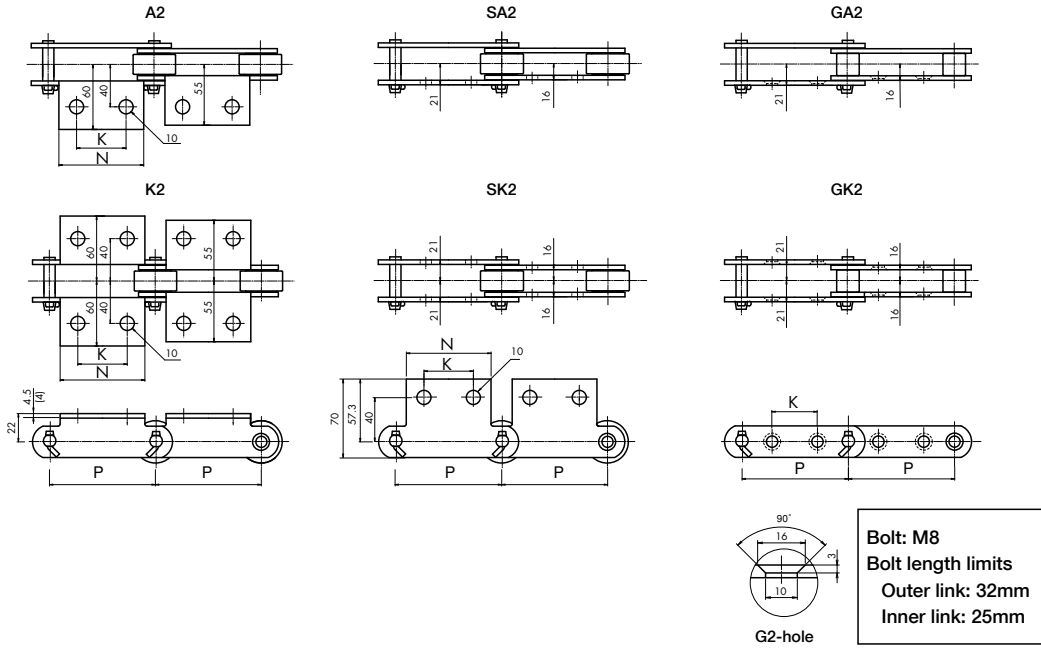
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2	A3	K2	K3	G4
DK 65300	R,F,S,M	—	R,F,S,M	—	—	R,F,S,M	R,F,S,M	47.8	51.2	28.9	30.1	3.44	—	6.88	—	2.81
DK 65450	R,F,S,M	—	—	R,F,S,M	—	R,F,S,M	—	37.0	39.3	25.5	26.3	—	6.30	—	12.6	—

- Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 2. K dimensions in () for Attachment GA2 and GK2 are for Roller F.
 3. With Attachment GA2 and GK2, check the bolt length limits shown above.
 4. Attachment A3 and K3 are angle welding attachments.

Dimensional Drawings: DK 05101 (for Inch series)



Attachment

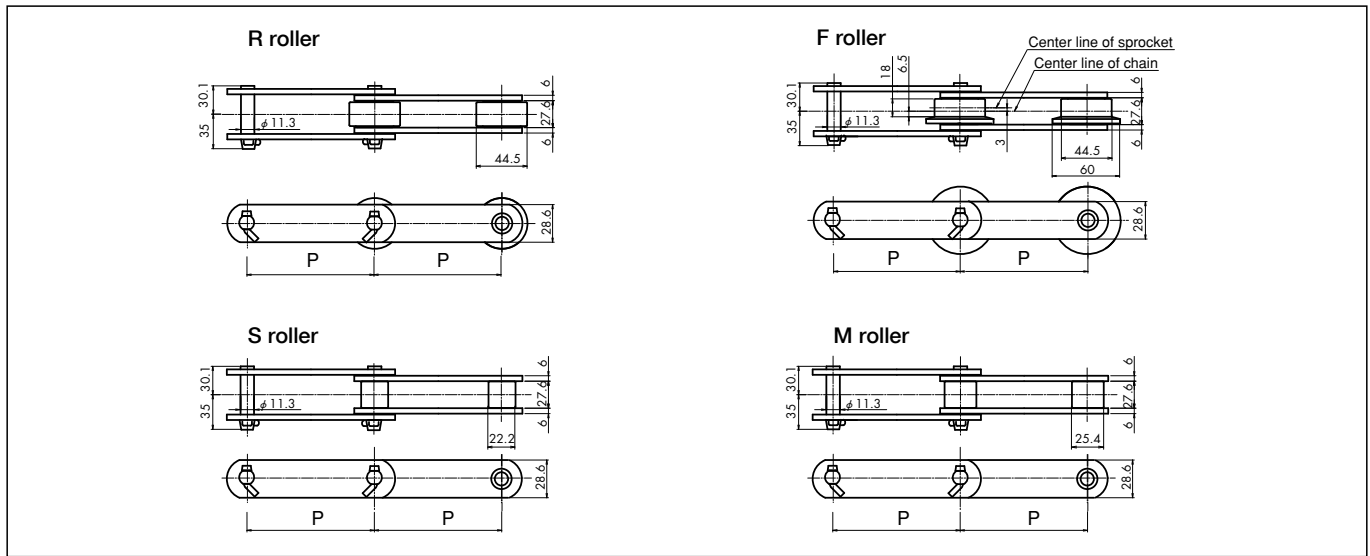


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments											
Chain size	Roller type	Standard A,J	Heavy duty K,E	p	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4	
					N	K	N	K	N	K	N	K	K	Y	B	
DK 05101	R,S	53.9 (5,500)	98 (10,000)	101.6	—	70	40	—	—	70	40	45	—	—	—	

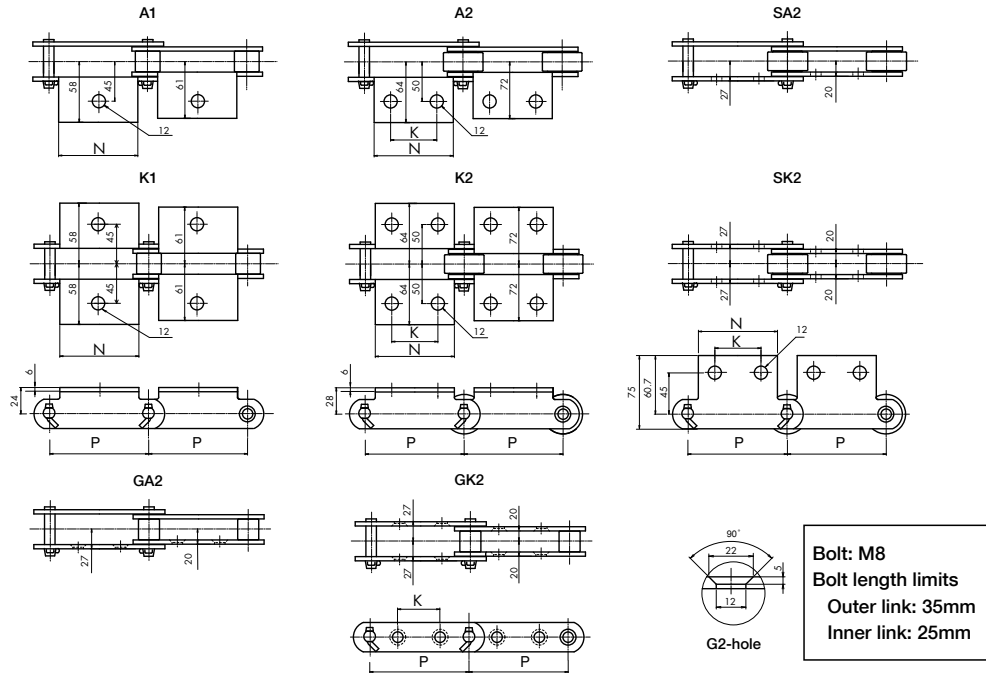
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1	A2	A3	SA2	GA2	G4	R-roller	F-roller	S-roller	M-roller	A2 SA2	A3	K2 SK2	K3	G4
		DK 05101	R,S	—	R,S	—	R,S	R,S	—	4.1	—	2.9	—	0.12	—	0.24

- Note: 1. Dimensions in () for the plate thickness are for the stainless steel chains. Dimensions for plate thickness without () apply to all types.
 2. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 3. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 08066 and DK 08101 (for Inch series)



Attachment

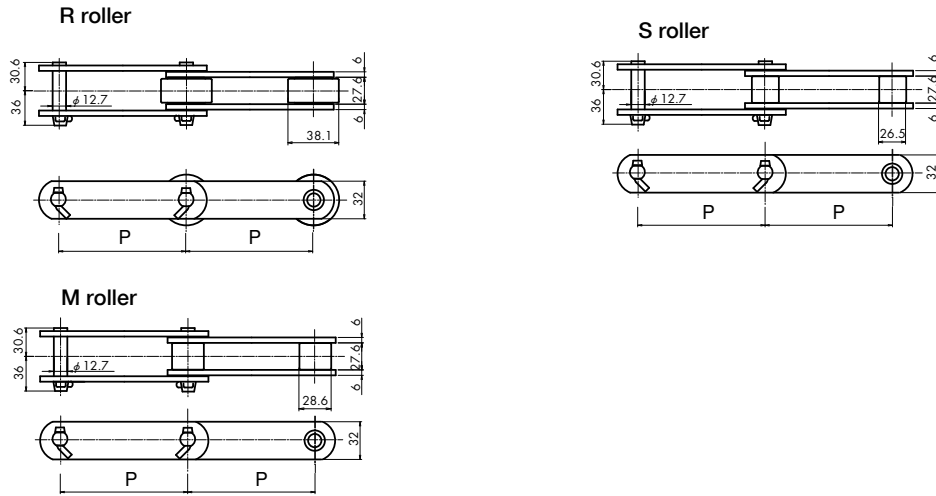


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments											
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4	
					N	K	N	K	N	K	N	K	K	K	Y	B
DK 08066	S,M	78.4 (8,000)	142 (14,500)	66.27	35	—	—	—	—	—	—	—	—	—	—	—
DK 08101	R,F,S,M			101.6	—	70	40	—	—	70	40	35	—	—	—	—

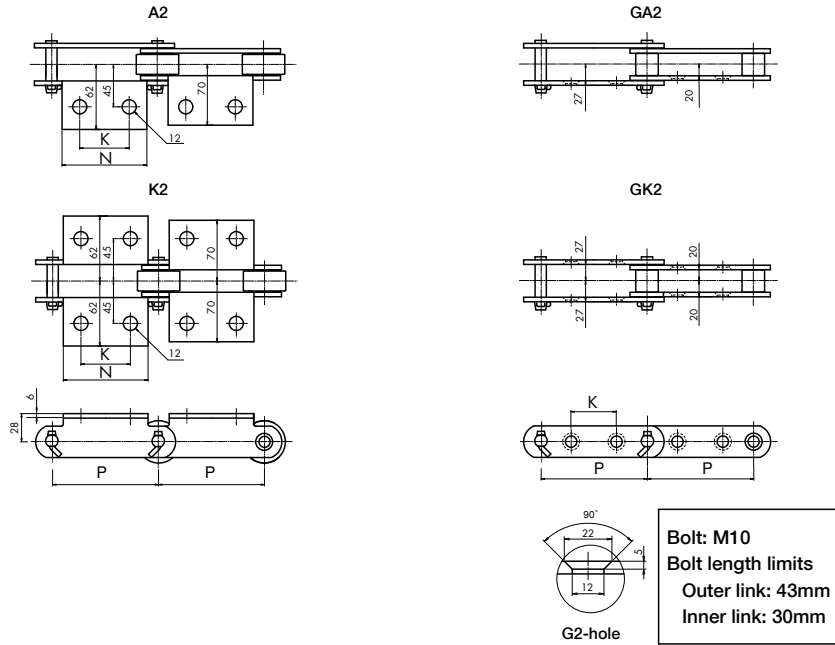
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A1,A2 SA2	A3	K1,K2 SK2	K3	G4
DK 08066	S,M	S,M	—	—	—	—	—	—	—	5.3	5.8	0.08	—	0.16	—	—
DK 08101	R,F,S,M	—	R,F,S,M	—	R,F,S,M	R,F,S,M	—	6.9	7.3	4.5	5.1	0.20	—	0.40	—	—

Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 2. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 09101 (for Inch series)



Attachment

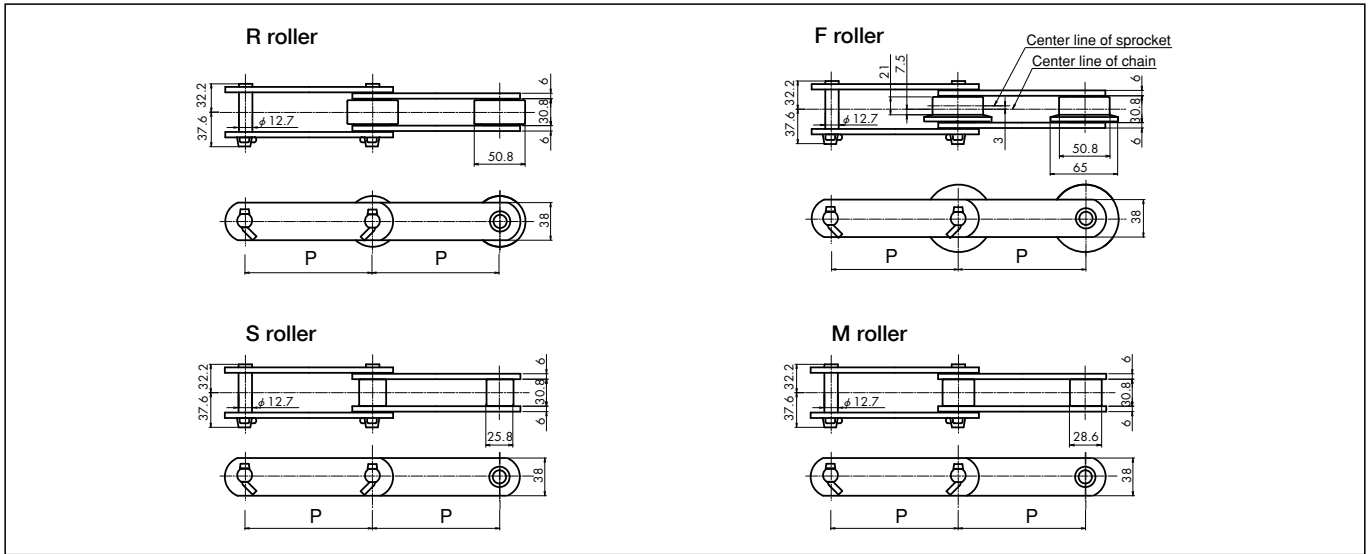


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments											
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4	
					N	K	N	K	N	K	N	K	K	K	Y	B
DK 09101	R,S,M	88.2 (9,000)	156 (16,000)	101.6	—	70	40	—	—	—	—	40	—	—	—	—

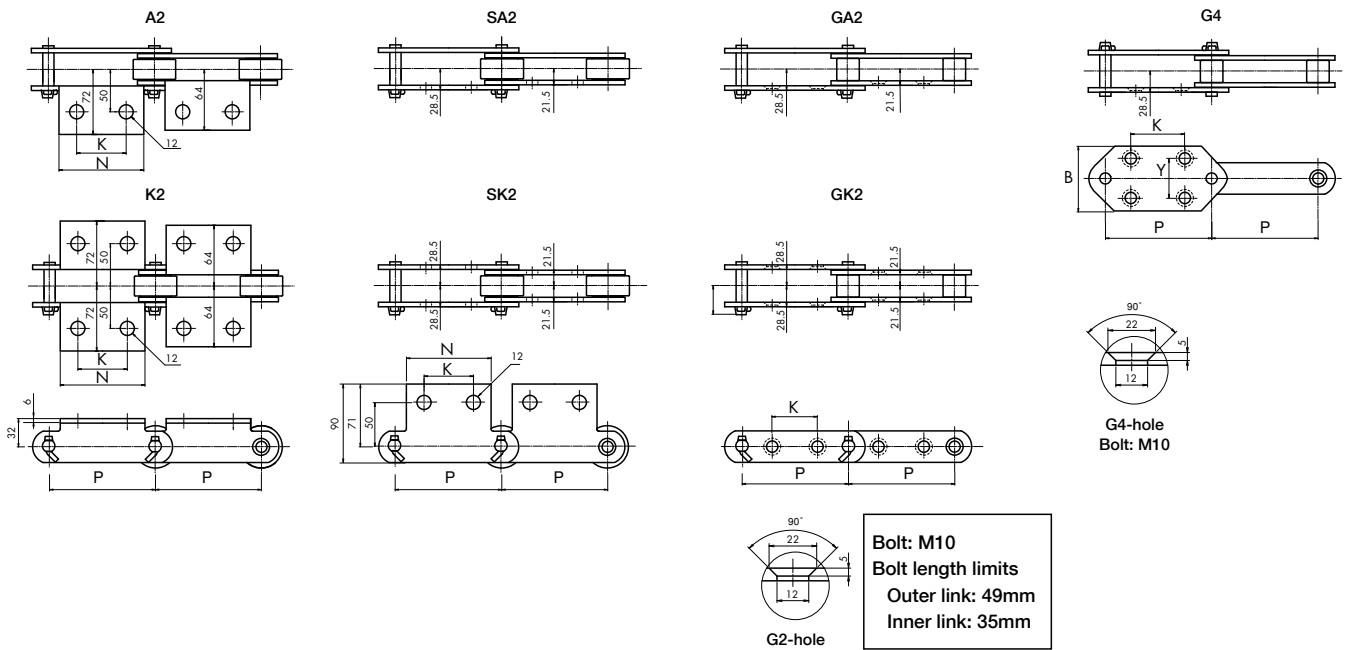
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2	A3	K2	K3	G4
DK 09101	R,S,M	—	R,S,M	—	—	R,S,M	—	6.4	—	5.4	5.7	0.19	—	0.38	—	—

Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 2. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 1152 (for Inch series)



Attachment

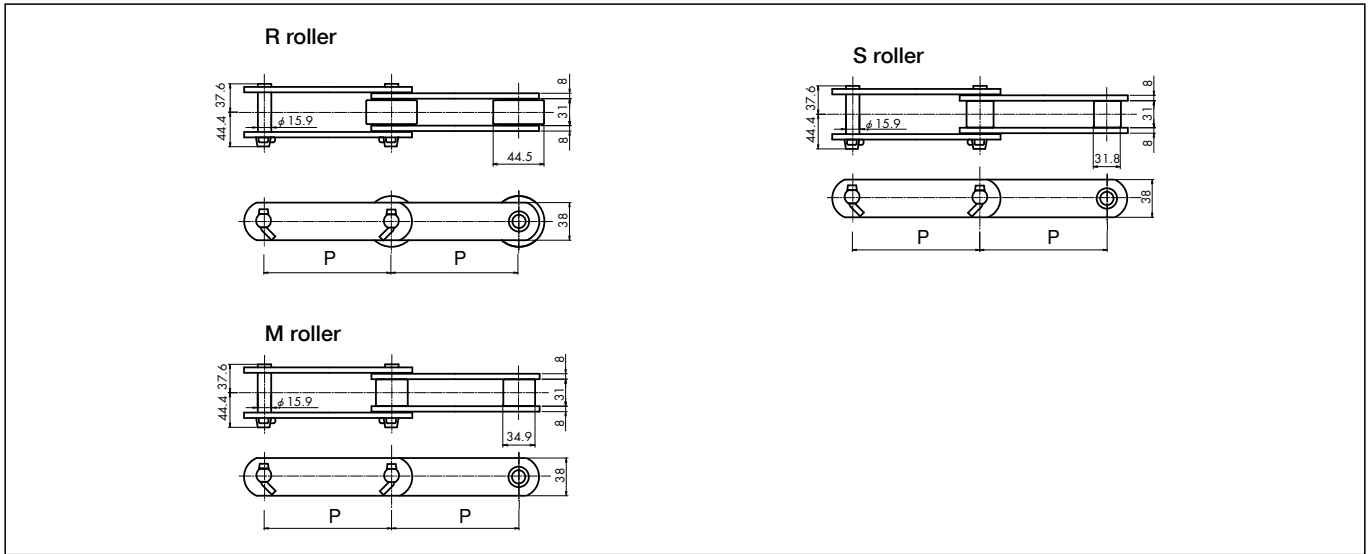


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments											
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4	
		N	N		N	K	N	K	N	K	N	K	K	K	Y	B
DK 1152	R,F,S,M	112 (11,500)	171 (17,500)	152.4	—	90	60	—	—	—	—	60	75	70	110	

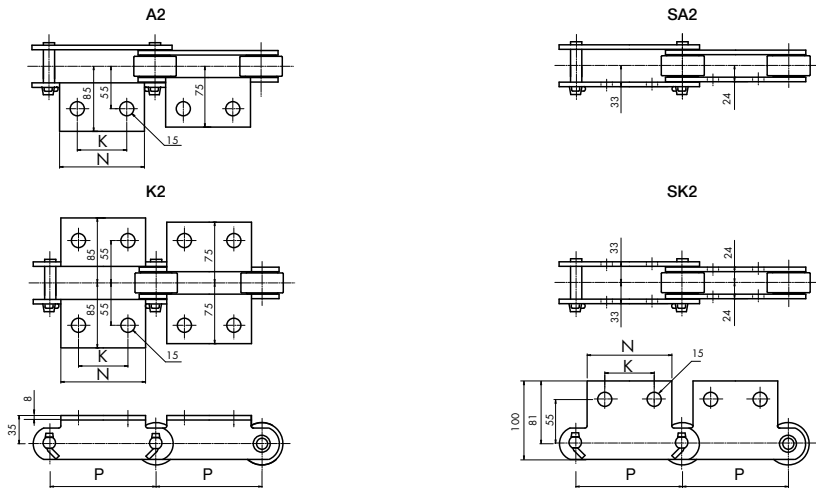
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2	A3	K2	K3	G4
DK 1152	R,F,S,M	—	R,F,S,M	—	R,S,M	R,F,S,M	—	7.4	7.9	5.5	5.8	0.22	—	0.44	—	—

Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
2. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 13101 (for Inch series)



Attachment

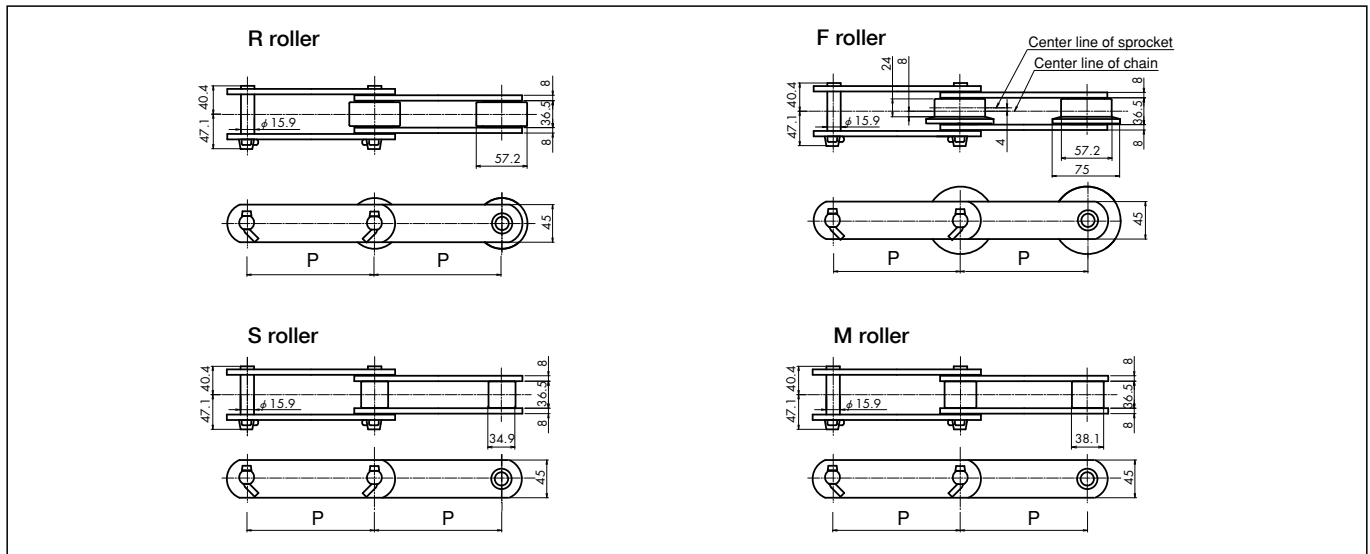


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments											
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4	
					N	K	N	K	N	K	N	K	K	K	Y	B
DK 13101	R,S,M	127 (13,000)	240 (24,500)	101.6	—	80	40	—	—	80	40	—	—	—	—	—

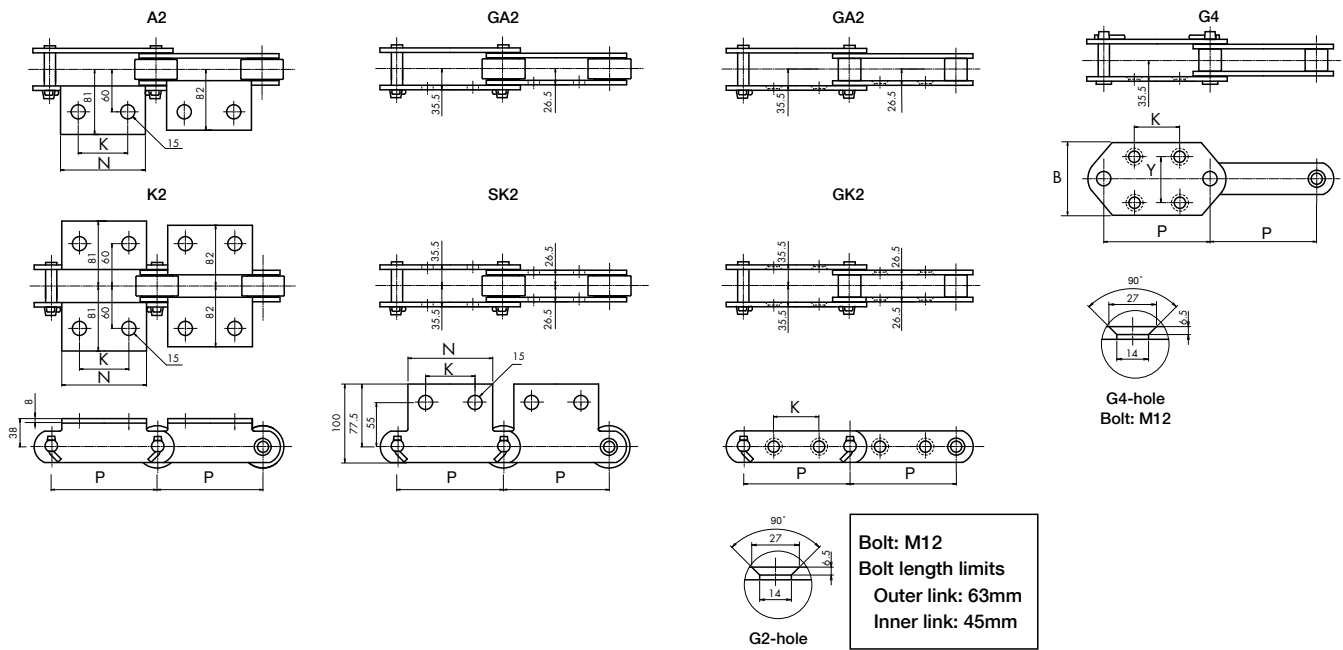
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2 SA2	A3	K2 SK2	K3	G4
DK 13101	R,S,M	—	R,S,M	—	R,S,M	—	—	10.3	—	9.6	10.0	0.31	—	0.62	—	—

Note: The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.

Dimensional Drawings: DK 19152 (for Inch series)



Attachment

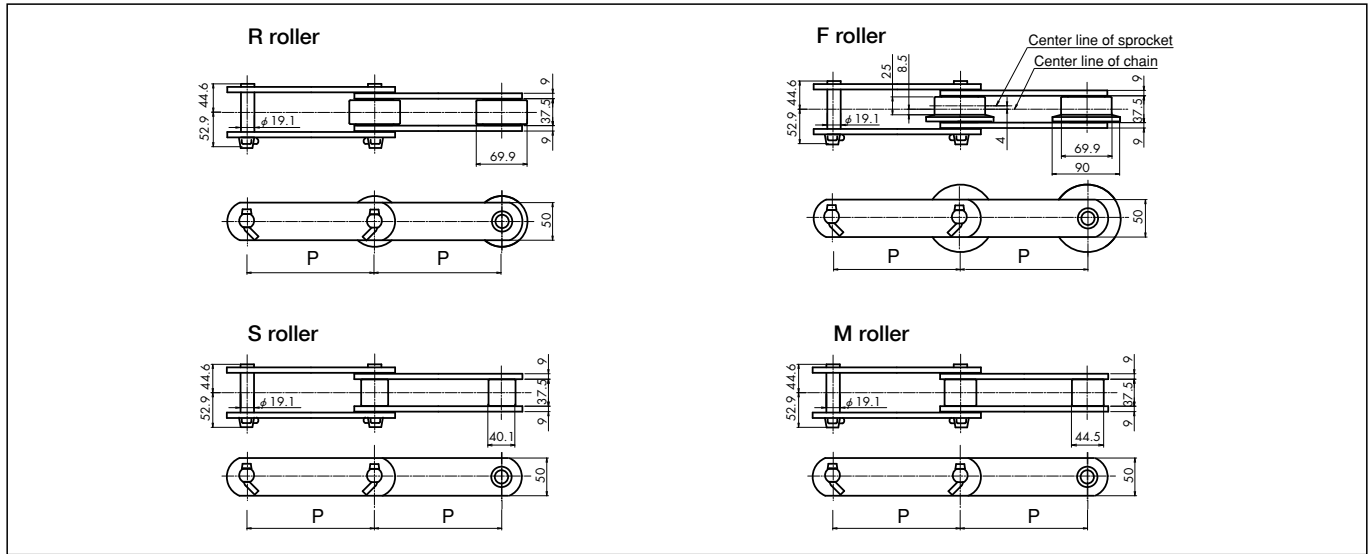


Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments												
Chain size	Roller type	Standard A,J	Heavy duty K,E	p	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4		
					N	N	K	N	K	N	K	K	K	Y	B		
DK 19152	R,F,S,M	186 (19,000)	279 (28,500)	152.4	—	100	60	—	—	100	60	50	75	70	110		

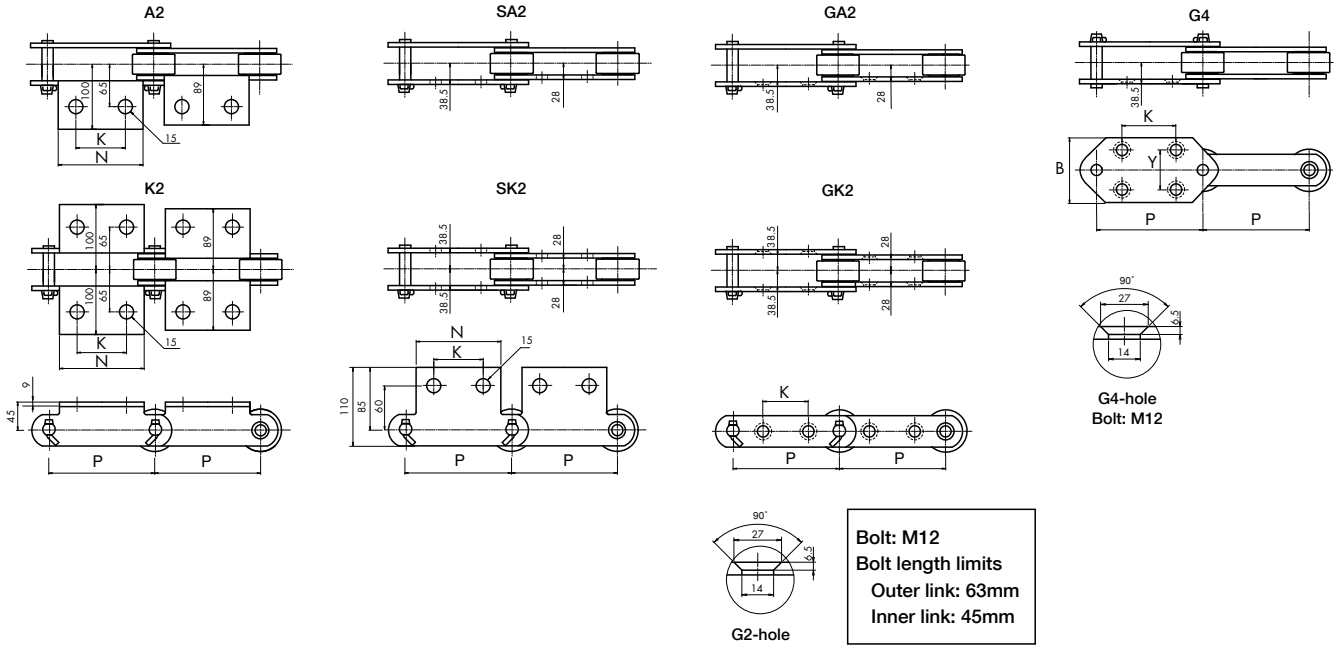
Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1	A2	A3	SA2	GA2	G4	R-roller	F-roller	S-roller	M-roller	A2 SA2	A3	K2 SK2	K3	G4
		K1	K2	K3	SK2	GK2	—	—	—	—	—	—	—	—	—	—
DK 19152	R,F,S,M	—	R,F,S,M	—	R,S,M	R,F,S,M	—	11.8	12.2	9.1	9.4	0.41	—	0.82	—	0.60

Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
2. With Attachment GA2 and GK2, check the bolt length limits shown above.

Dimensional Drawings: DK 25152 (for Inch series)



Attachment



Bolt: M12
Bolt length limits
 Outer link: 63mm
 Inner link: 45mm

Chain No.		Avg. tensile strength kN (kgf)		Pitch	Standard attachments											
Chain size	Roller type	Standard A,J	Heavy duty K,E	P	A1 · K1		A2 · K2		A3 · K3		SA2 · SK2		GA2 · GK2		G4	
					N	K	N	K	N	K	N	K	K	Y	B	
DK 25152	R,F,S,M	245 (25,000)	392 (40,000)	152.4	—	100	60	—	—	100	60	55(35)	75	70	125	

Chain No.		Combination of standard attachments and rollers						Approx. weight kg/m				Attachment weight (kg/pc).				
Chain size	Roller type	A1 K1	A2 K2	A3 K3	SA2 SK2	GA2 GK2	G4	R-roller	F-roller	S-roller	M-roller	A2 SA2	A3	K2 SK2	K3	G4
DK 25152	R,F,S,M	—	R,F,S,M	—	R,S,M	R,F,S,M	—	16.4	17.3	12.0	12.6	0.53	—	1.06	—	0.79

Note: 1. The dimensions of the standard and heavy duty chains are the same, but heavy duty chains are made of high strength and structural steel, and are suitable when higher safety rate, strength or wear resistance is required.
 2. K dimensions in () for Attachment GA2 and GK2 are for Roller F.
 3. With Attachment GA2 and GK2, check the bolt length limits shown above.