THE WIDEST RANGE OF BULK MATERIALS HANDLING PRODUCTS

Bucket Elevator Components

Belt Conveyor Components

Drag Conveyor Components

Screw Conveyor Components

Parts For Sieves & Screens

Engineering Plastic Products

ZHENJIANG SANWEI CONVEYING EQUIPMENT CO., LTD.

Other Products

SCREW CONVEYOR COMPONENTS

DRAG CONVEYOR COMPONENTS

BELT CONVEYOR COMPONENTS

BUCKET ELEVATOR COMPONENTS

SANWEI

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About Sanwei

Zhenjiang Sanwei Conveying Equipment Co. Ltd., established in 1989, is the first listed company in China which specializes in bulk materials handling industry. As a national high-tech enterprise nowadays, the company participated in developing the elevator belt national standards. It is backed with advanced Engineering and Technology Research Center of bulk materials handling and sophisticated talent supply chain for leading product design and technology. In 1998, the company qualified ISO9001 international quality control system.

The company is the first company in China and still dedicates in developing and manufacturing bulk materials handling components which has the most comprehensive range and most verities and specifications at present. The fully-owned Engineering and Technology Research Center contains a R&D and engineering service team which has 25 years' industry experience. Their designed products have been very successful in acquiring innovative and practical patent.

The company covers 86,700 square meters with the floor area of 61,000 square meters. The company has a strong manufacturing capability as well as scientific and rigorous quality control system. The major production equipment include: 45 Injection molding machines, 15 integral press machine, 3 production lines for elevator bolts, 1 production line for PVC belt, 8 production equipment for solid woven belt carcass, 2 rubber compounding and refining laboratories, 2 rubber rolling and forming production lines. 4 rubber vulcanizing production lines, 6 slide lagging and impact bar manufacturing equipment, 20 sectional and continuous screw flights manufacturing equipment, 2 UHMWPE manufacturing equipment, 15 sheet machining equipment, 30 chain manufacturing equipment along with corresponding test equipment and appropriate test method. At present, the company has manufactured 12 million plastic buckets, 3 million steel buckets, 40 million bolt sets, 1.6 million square meters elevator and conveyor belts, 100 thousand meters slide lagging, 120 thousand impact bars, 100 thousand belt conveyor rollers, 7 thousand tons of screw flights, 1.3 million scrapers, 100 meters conveyor chains, 500 tons of UHMWPE sheet and 30 million sieve/pan cleaners and rubber balls.

The company has adopted enterprise information system management platform in 1994 for better work efficiency and accuracy and take effective steps to deploy information management systems such as ERP, CRM, APS, OA etc. and integrated the systems all together. These systems increase the information processing and management ability dramatically and ensure the complete and high-efficient services for better customer satisfactions.

For better integration with international high-end market and expanding marketing network, the company has established a fully-owned company in Australia in September, 2010 and established another company in Canada in October, 2014. The overseas companies make the company' s products well-known in Australia and North America.

The company strives to provide the best quality products with high value services and meet different requirements from customers. Company's aim is to become the most innovative and professional manufacturer of bulk materials handling components and offer high-quality one-stop service to customers all over the world.

Sanwei in China

We are in Canada

We are in Australia

BUCKET ELEVATOR COMPONENTS

Elevator Buckets

Over 12 different bucket models and nearly 400 sizes in variety materials, fully covering agricultural and industrial applications.

Interchangeable with the products of other international companies. Unique bucket design with multiple patents.

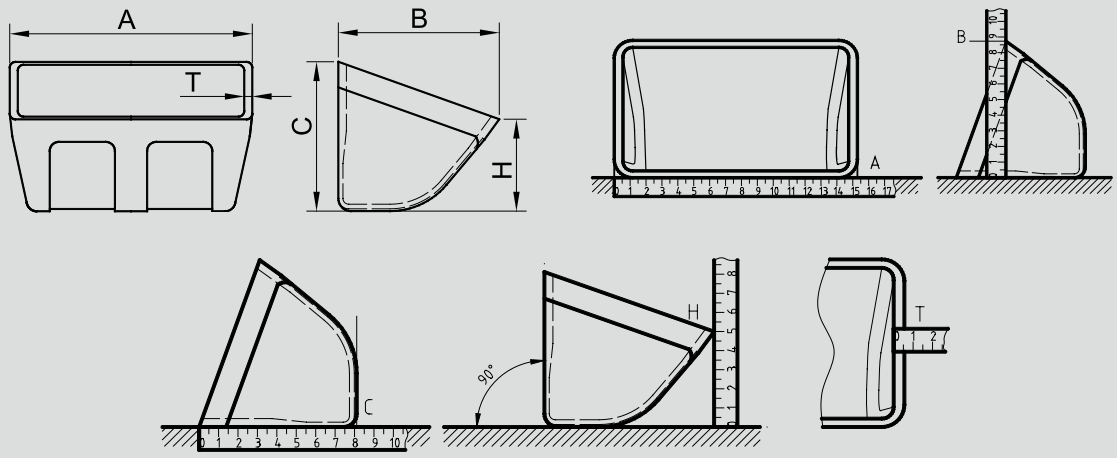
Better cost-effectiveness.

Bucket Material Options

Material	Mild Steel	Stainless Steel	HDPE	King Material	Nylon 6	Reinforced Nylon	PU
Cost	★★	★★★★★	★	★★	★★★	★★★★	★★★★
Wear Resistance	★★★	★★★	★	★★	★★★	★★★	★★★★
Impact Resistance	★★★	★★★	★	★★★	★★	★★★	★
FDA Food Approved		√	√	√	√		√
Max Working℃ Continuous	180+	250+	70	70	100	130	60
Max Working℃ Peak	200	400	80	80	120	150	70

Mild Steel	Suitable for elevating sharp, high bulk density materials, or materials under high temperature circumstances.
Stainless Steel	Corrosion resistant and heat resistant,also suitable for food industry.
HDPE	Suitable for handling feed, grains, and food products.
King	Speciallymodified from high molecular polymer. This material has better abrasion resistance than HDPE and better impact resistance than Nylon 6.
Nylon	High impact and abrasion resistance, better heat resistance and well suited for handling hot, abrasive and sticky materials.
Reinforced Nylon	Even better impact and abrasion resistance than Nylon 6. Working well under high temperature.
PU	Extremely high abrasion resistance, tough and flexible. Suitable for handling sharp abrasive and sticky materials.

Measure an Elevator Bucke t& Product Usage Recommend ations



Note:

1. AA type and DH type bucket sizes are based on Nylon. All other type of bucket sizes are based on HDPE or King. Nylon and PU bucket size are approximately 2% larger than HDPE and King material bucket.
2. Mounting hole dimensions of DM, DH, EU type bucket are strictly according to our size tables, and we can customize mounting holes for all other types of buckets.
3. Recommended bucket spacing for DW and DM type bucket is C+2mm; all other bucket types are C+10mm. Actual spacing may adjust then.
4. For engineering purposes, Prime Sanwei recommend using Water Level + 10% for usable capacity.

Elevator Bucket Venting

Venting holes on buckets is to improve airflow in elevator to assist in materials filling and discharge. When material enters bucket, air flows out of empty bucket through venting holes allowing for a more complete fill. When discharge materials, air re-enter the bucket through venting holes to push materials out which facilitate complete discharge of bulk materials.

Venting Hole Options:

Venting holes available in various modes, customization also available upon customer's drawing/specifications.

Model	Mode 1	Mode 2	Mode 3	Mode 4	Customization
Pattern	One row center to center distance 80mm	One row center to center distance 40mm	Two row center to center distance 40mm	Base on mode 3, add venting holes on side walls	Customize holes
Hole Diameter	7mm	7mm	7mm	7mm	
Image					

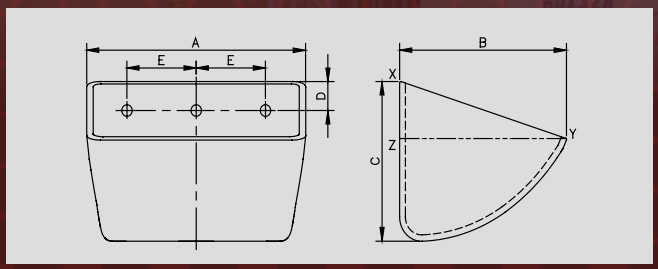
King Series Heavy Duty Bucket (DK, SK)

King series are reinforced versions of imperial D type, metric D type, metric DS type, metric DQ type, and metric S type.

Optimized Design	Reinforced walls, extra thick corners, even thicker front lip designed for extreme high strength, excellent abrasion resistance and outstanding material discharge performance.
Better Material	The material is modified from high molecular polymer, resulting in better abrasion resistance and better impact resistance;
Longer Life	Better design in extremely thick structure makes King Series buckets the most durable buckets.
Improved Customer Value	Substantially reduce down-time at sites; therefore minimize maintenance costs.

Imperial DK Heavy Duty Bucket: HDPE / Nylon / PU / King Special Material

Reinforced and interchangeable version of imperial D type deep bucket.

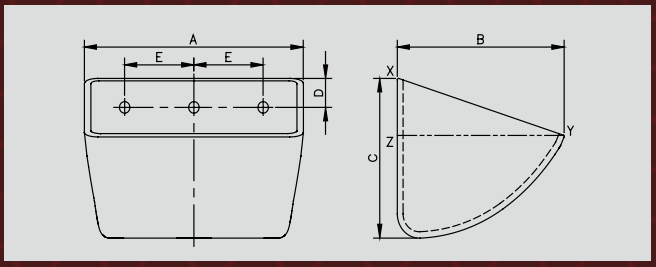


Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z–Y)	Usable Level (Z–Y)+10%
DK7X5	205	142	127	30	120	2	9	1.34	1.47
DK8X5	225	142	127	30	120	2	9	1.47	1.62
DK9X5	253	142	127	30	85	3	9	1.75	1.93
DK10X5	279	142	127	30	90	3	9	1.91	2.10
DK11X5	298	142	127	30	100	3	9	2.01	2.21
DK12X5	326	142	127	30	85	4	9	2.2	2.42
DK8X6	229	168	152	40	120	2	9	2.2	2.42
DK9X6	257	168	152	40	85	3	9	2.41	2.65
DK10X6	283	168	152	40	90	3	9	2.66	2.93
DK11X6	302	168	152	40	100	3	9	2.84	3.12
DK12X6	330	168	152	40	85	4	9	3.16	3.48
DK13X6	349	168	152	40	85	4	9	3.44	3.78
DK14X6	378	168	152	40	95	4	9	3.77	4.15
DK10X7	285	200	178	45	90	3	9	3.7	4.07
DK11X7	304	200	178	45	100	3	9	3.95	4.35
DK12X7	329	200	178	45	85	4	9	4.38	4.82
DK13X7	351	200	178	45	90	4	9	5.07	5.58
DK14X7	380	200	178	45	95	4	9	5.22	5.74
DK15X7	405	200	178	45	100	4	9	6.07	6.68
DK16X7	440	200	178	45	85	5	9	6.32	6.95
DK11X8	310	225	205	50	65	4	9	5.38	5.92
DK12X8	338	225	205	50	85	4	9	5.86	6.44
DK13X8	357	225	205	50	90	4	9	6.48	7.13
DK14X8	385	225	205	50	95	4	9	6.87	7.56
DK15X8	413	225	205	50	80	5	9	7.94	8.73
DK16X8	448	235	205	50	85	5	9	8.2	9.08
DK18X8	483	235	205	50	95	5	9	9.09	10
DK20X8	535	235	205	50	90	6	11	10.21	11.23
DK22X8	585	235	205	50	100	6	11	11.5	12.65
DK24X8	630	235	205	50	88	6	11	12.21	13.43
DK16X10	460	286	254	70	73	6	11	12.73	14

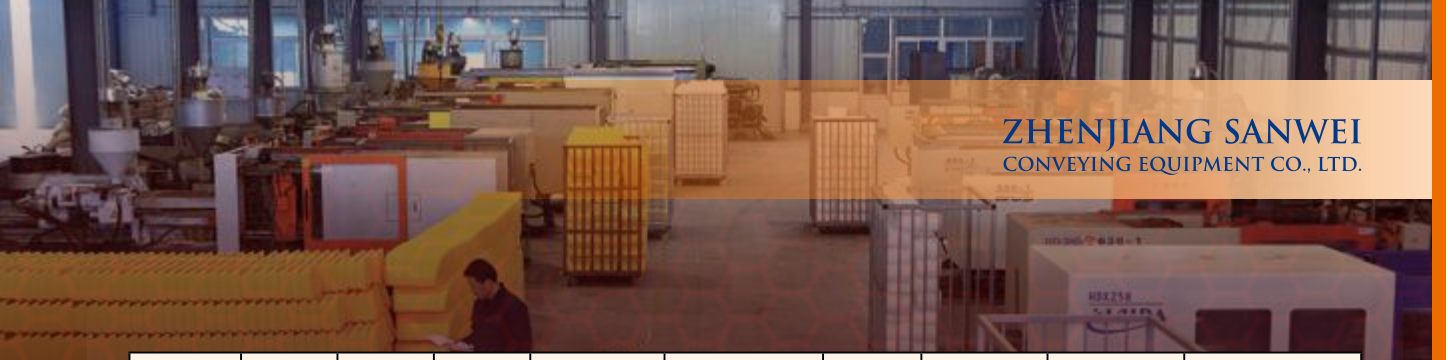
DK18X10	495	286	254	70	78	6	11	14.56	16.02
DK20X10	545	286	254	70	88	6	11	16.52	18.17
DK22X10	605	292	264	70	100	6	11	17.69	19.45
DK23X10	615	292	264	70	85	7	11	18.48	20.33
DK24X10	635	292	264	70	88	7	11	19.8	21.78
DK25X10	653	292	264	70	90	7	11	20.1	22.21
DK26X10	691	292	264	70	98	7	11	20.9	22.99
DK27X10	701	292	264	70	85	8	11	21.7	23.87
DK28X10	745	292	264	70	90	8	11	22.4	24.64

Metric DK Heavy Duty Bucket: HDPE / Nylon /PU/King Special Material

High strength deep bucket for agricultural application.
Reinforced and interchangeable version of metric D type deep bucket.



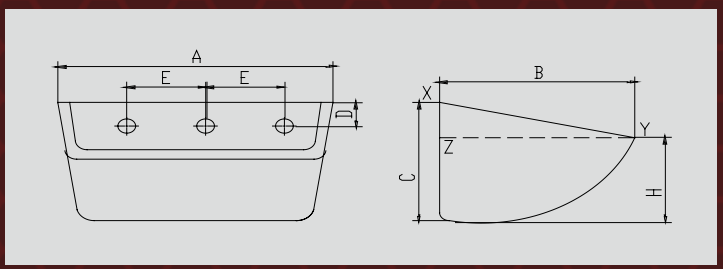
Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Usable Level (Z-Y)+10%
DK1109	111	93	80	25	60	2	7	0.27	0.30
DK1311	136	117	92	30	60	2	7	0.54	0.59
DK1612	162	122	102	32	90	2	7	0.71	0.78
DK1812	189	127	110	32	120	2	9	0.72	0.79
DK2312	237	129	120	35	120	2	9	1.20	1.32
DK2812	289	129	125	35	100	3	9	1.62	1.78
DK1614	167	143	125	40	90	2	7	1.02	1.12
DK1814	192	145	125	40	120	2	9	1.35	1.49
DK2314	237	145	125	40	85	3	9	1.52	1.67
DK2814	285	142	125	40	100	3	9	2.01	1.83
DK2316	238	169	140	45	85	3	9	2.15	2.37
DK2616	266	169	140	45	90	3	9	2.40	2.64
DK2816	290	169	141	45	100	3	9	2.74	3.01
DK3116	318	169	141	45	85	4	9	3.02	3.32
DK3118	316	195	165	45	85	4	9	3.20	3.52
DK3518	358	195	165	45	95	4	9	4.63	5.09
DK4118	419	195	165	45	85	5	9	5.13	5.64



DK2919	295	197	178	45	75	4	9	4.29	4.72
DK3121	319	224	191	45	85	4	9	5.62	6.18
DK3521	351	222	206	55	90	4	9	7.03	6.29
DK3621	369	224	191	45	95	4	9	6.53	7.18
DK4121	421	224	191	45	85	5	9	7.97	8.77
DK4621	470	224	191	45	95	5	9	8.70	9.57
DK5121	520	225	210	55	100	6	11	10.60	11.66
DK2823	289	230	190	45	100	3	9	4.41	4.85

SK Heavy Duty Bucket: HDPE / Nylon /PU/King Special Material

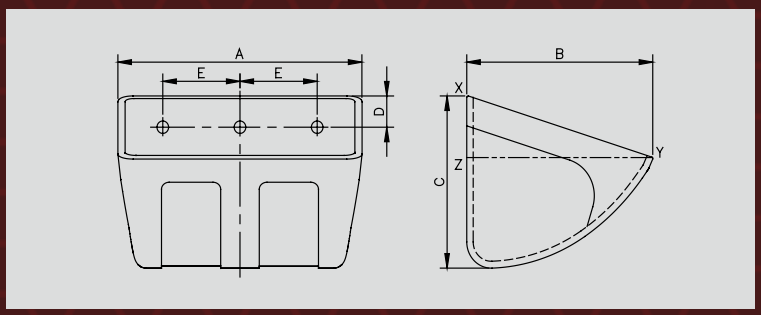
High strength shallow bucket for agricultural application.
Reinforced and interchangeable version of DQ and S type shallow bucket.



Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Usable Level (Z-Y)+5%
SK1814	186	140	87	30	100	2	9	0.85	0.89
SK1914	190	146	105	25	100	2	9	1.20	1.26
SK2314	235	143	96	30	120	2	9	1.29	1.35
SK2814	285	143	96	30	90	3	9	1.67	1.75
SK2315	235	155	91	30	120	2	9	1.51	1.59
SK2815	285	155	91	30	90	3	9	1.87	1.96
SK2316	238	170	102	35	120	2	9	1.43	1.50
SK2816	290	165	108	35	90	3	9	2.20	2.31
SK3216	330	165	111	35	80	4	9	2.36	2.48
SK2417	247	178	120	40	120	2	9	2.18	2.30
SK2817	289	178	120	40	90	3	9	2.52	2.65
SK2917	295	181	120	35	115	3	9	2.98	3.13
SK3321	337	219	140	40	85	4	9	4.23	4.44
SK3823	380	233	165	45	100	4	9	6.00	6.30
SK4723	478	233	165	45	100	5	9	8.10	8.50
SK2824	295	248	168	45	100	3	9	5.60	5.90
SK3325	335	265	170	50	85	4	9	6.55	6.90
SK4726	470	265	170	50	95	5	11	9.40	9.90
SK5626	569	265	170	50	120	5	11	11.75	12.35

Imperial D Type Heavy Duty Bucket: HDPE / Nylon / PU

High strength deep bucket for agricultural application.

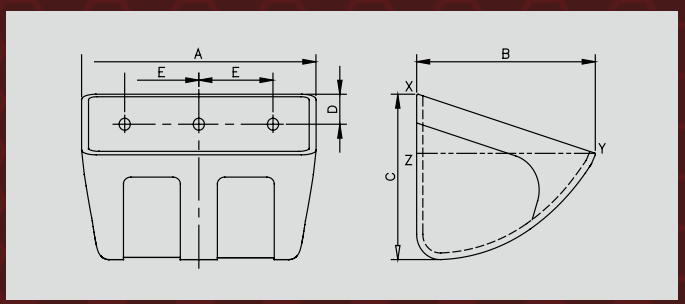


Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Usable Level (Z-Y)+10%
D3X2	89	59	57	20	40	2	7	0.11	0.12
D4X3	107	81	75	22	50	2	7	0.25	0.28
D5X4	133	113	106	32	60	2	7	0.59	0.65
D6X4	159	108	103	32	90	2	7	0.65	0.72
D7X4	184	108	103	32	120	2	9	0.75	0.83
D6X5	168	140	130	40	90	2	9	1.10	1.21
D7X5	192	140	130	40	120	2	9	1.20	1.32
D8X5	211	140	130	40	120	2	9	1.41	1.55
D9X5	237	140	130	40	85	3	9	1.75	1.93
D10X5	266	140	130	40	90	3	9	1.91	2.10
D11X5	289	140	130	45	100	3	9	2.01	2.21
D12X5	313	140	130	45	85	4	9	2.11	2.32
D8X6	211	168	154	45	120	2	9	2.08	2.28
D9X6	237	168	154	45	85	3	9	2.34	2.57
D9X6A	238	188	170	50	85	3	9	2.54	2.79
D10X6	266	168	154	45	90	3	9	2.58	2.84
D11X6	287	168	154	45	100	3	9	2.83	3.11
D12X6	313	168	154	45	85	4	9	3.16	3.48
D13X6	338	168	154	45	85	4	9	3.44	3.78
D14X6	368	168	154	50	95	4	9	3.77	4.15
D9X6-1/2	230	180	180	45	85	3	9	2.53	2.78
D11X6-1/2	280	180	180	45	100	3	9	3.20	3.52
D10X7	269	197	180	50	90	3	9	3.70	4.07
D11X7	287	197	180	45	100	3	9	3.95	4.35
D12X7	326	197	180	45	85	4	9	4.35	4.79
D13X7	343	197	180	45	90	4	9	5.07	5.58
D13X7A	358	208	172	45	110	4	9	4.63	5.09
D14X7	373	197	180	50	95	4	9	5.22	5.74

D15X7	392	197	180	50	100	4	9	6.07	6.68
D16X7	427	197	180	50	85	5	9	6.32	6.95
D10X8	280	220	216	55	65	4	9	4.91	5.40
D11X8	305	222	206	50	75	4	9	5.30	5.83
D12X8	331	222	206	50	85	4	9	5.77	6.35
D12-1/2X8	330	220	216	55	85	4	9	5.95	6.55
D13X8	351	222	206	55	90	4	9	6.39	7.03
D14X8	378	222	206	55	95	4	9	6.87	7.56
D14X8/B	368	222	172	28	76.2	5	9	7.30	7.80
D14-1/2X8	380	220	216	55	75	5	9	6.99	7.69
D15X8	392	222	206	55	80	5	9	7.94	8.73
D16X8	434	222	206	55	85	5	9	8.10	8.91
D16X8/B	431	222	172	28	73	6	9	8.50	8.98
D18X8	473	222	206	55	95	5	9	9.07	9.98
D18X8/B	465	222	172	28	79.4	6	9	9.00	9.40
D20X8	520	225	210	55	90	6	11	10.60	11.66
D22X8	582	230	205	55	100	6	11	12.12	13.33
D16X9	430	260	260	65	68	6	11	11.00	12.10
D24X10	637	290	263	65	90	7	11	19.80	21.78

Metric D Type Bucket: HDPE / Nylon / PU

Deep bucket for agricultural application.

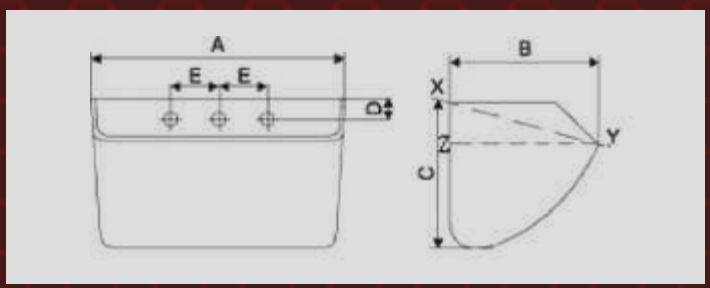


Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Usable Level (Z-Y)+10%
D1109	116	92	85	25	60	2	7	0.27	0.30
D1311	134	115	94	35	60	2	7	0.51	0.56
D1411	145	110	96	35	60	2	7	0.54	0.59
D1812A	186	120	103	32	120	2	9	0.84	0.81
D2312A	235	120	105	32	120	2	9	1.12	1.23

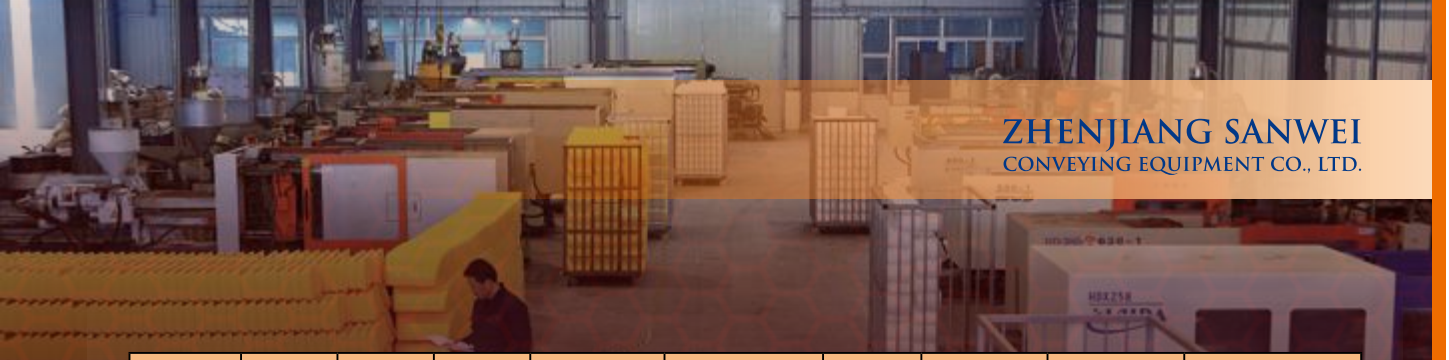
D2812A	287	120	105	32	100	3	9	1.34	1.47
D1812	186	125	110	35	120	2	9	0.76	0.84
D2312	235	125	120	35	120	2	9	1.20	1.32
D2812	282	125	120	35	100	3	9	1.62	1.78
D1814	188	140	130	40	120	2	9	1.35	1.49
D2314	235	140	130	40	85	3	9	1.45	1.60
D2814	280	140	139	40	100	3	9	1.70	1.87
D2515	255	153	110	30	52	4	9	1.71	1.88
D2316	238	169	140	45	85	3	9	1.90	2.09
D2616	266	166	140	45	90	3	9	2.09	2.30
D2816	282	168	154	45	100	3	9	2.74	3.01
D3116	312	168	154	45	85	4	9	2.87	3,16
D3118	315	190	165	40	85	4	9	3.20	3.52
D3518	358	190	165	40	95	4	9	4.63	5.09
D4118	419	190	165	40	85	5	9	5.13	5.64
D4121	418	220	190	45	85	5	9	7.97	8.77
D3621	365	220	190	45	95	4	9	6.45	7.10
D4621	460	220	190	45	95	5	9	8.7	9.57
D5121	519	225	190	55	90	6	11	10.6	11.66

DS Type Bucket: HDPE / Nylon / PU

Sanwei first launched the product in China. This agricultural deep bucket is widely used in grain, food, oil, feeds and other industries.



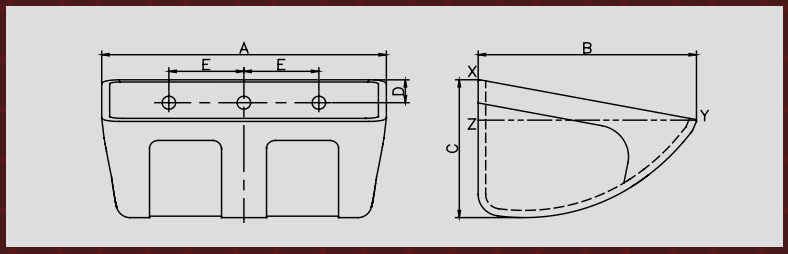
Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z–Y)	Usable Level (Z–Y)+10%
DS0705	78	55	71	20	40	2	7	0.06	0.07
DS0807	90	75	64	20	50	2	7	0.14	0.15
DS1307	130	75	80	25	60	2	7	0.22	0.24
DS1508	152	84	78	18	76	2	7	0.32	0.35
DS1009	100	90	93	24	50	2	7	0.26	0.29
DS1009A	106	92	88	25	50	2	7	0.26	0.29



DS1109	116	92	85	25	60	2	7	0.27	0.30
DS1309	130	90	80	25	60	2	7	0.23	0.25
DS1311	134	115	94	35	60	2	7	0.51	0.56
DS1411	145	110	96	35	60	2	7	0.54	0.59
DS1511	150	110	100	35	80	2	7	0.56	0.62
DS2010	202	107	96	22	100	2	7	0.75	0.83
DS2511	250	114	115	25	125	2	7	0.90	0.99
DS1612	165	120	110	40	90	2	7	0.62	0.68
DS1812	188	125	115	40	120	2	9	0.66	0.73
DS2312	235	125	125	40	120	2	9	1.20	1.32
DS2812	280	125	130	40	100	3	9	1.62	1.78
DS1613	164	139	124	40	90	2	7	1.02	1.12
DS1814	188	140	130	40	120	2	9	1.35	1.49
DS2014	208	140	130	40	120	2	9	1.24	1.36
DS2314	235	140	130	40	85	3	9	1.45	1.60
DS2814	280	140	139	40	100	3	9	1.70	1.87
DS3114	312	147	146	45	80	4	9	2.09	2.30
DS2316	238	166	154	45	85	3	9	1.68	1.85
DS2616	266	166	154	45	90	3	9	2.09	2.30
DS2816	282	168	154	45	100	3	9	2.74	3.01
DS2916	297	170	155	45	110	3	9	2.52	2.77
DS3116	312	147	146	45	80	4	9	2.09	2.30
DS3118	315	190	175	45	85	4	9	3.20	3.52
DS3518	358	190	180	50	95	4	9	4.63	5.09
DS4118	419	190	180	50	85	5	9	5.13	5.64
DS2919	295	197	178	50	75	4	9	4.29	4.72
DS3121	315	220	200	55	85	4	9	5.56	6.12
DS3621	365	220	200	55	95	4	9	6.45	7.10
DS4121	418	222	200	55	85	5	9	7.97	8.77
DS4621	460	220	200	55	95	5	9	8.70	9.57
DS5121	520	225	205	55	90	6	11	10.60	11.66
DS4822	480	223	210	68	76	6	11	8.40	9.24
DS2823	289	230	190	55	100	3	9	4.41	4.85
DB3707	372	72	82	35	135	3	9		0.8
DB2607	260	70	70	35	170	2	9		0.5

M Type Bucket: HDPE / Nylon / PU

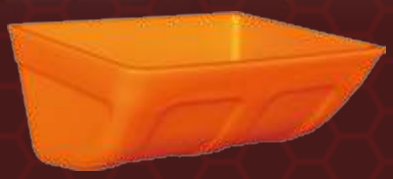
Mid-deep bucket for agricultural application, suitable for variety of elevators with broader elevating speed range and larger elevating capacity.

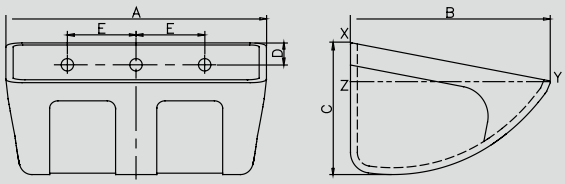


Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Total Level (X-Y)
M1009	105	95	65	20	50	2	7	0.25	0.33
M1312	135	125	85	25	70	2	7	0.50	0.70
M1514	160	150	110	25	70	2	8.5	1.15	1.40
M1814	185	150	110	25	100	2	9	1.35	1.75
M2014	215	155	110	25	100	2	9	1.58	1.98
M2814	285	150	110	25	90	3	9	2.20	2.60
M2316	250	175	130	35	120	2	9	2.30	3.00
M2816	290	175	130	35	80	3	9	2.70	3.50
M2818	290	185	140	35	80	3	11	3.11	4.01
M3018	318	185	140	36	100	3	11	3.43	4.42
M3021	310	230	165	40	100	3	11	5.00	6.50
M3321	340	230	165	40	120	3	11	5.40	7.10
M3721	380	230	165	40	90	4	11	6.20	8.10
M4021	410	230	165	40	100	4	11	7.10	8.90
M4421	450	230	165	40	90	5	11	7.50	9.85
M5021	520	235	170	40	100	5	11	8.50	10.76

S Type Bucket: HDPE / Nylon / PU

Shallow bucket for agricultural application, interchangeable with DQ type and EU type shallow buckets.

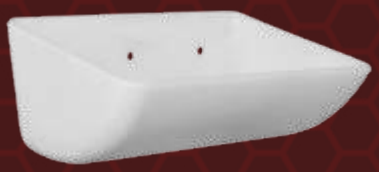


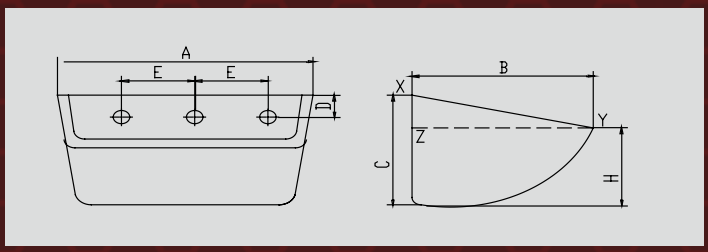


Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Total Level (X-Y)
S1613	165	135	82	25	90	2	9	0.80	0.96
S1814	186	140	87	30	100	2	9	0.85	1.18
S1914	190	146	96	25	100	2	9	1.20	1.60
S2014	208	146	96	25	120	2	9	1.28	1.62
S2314	235	143	96	30	120	2	9	1.29	1.68
S2814	285	143	96	30	90	3	9	1.67	2.08
S2315	235	155	91	30	120	2	9	1.51	1.78
S2815	285	155	91	30	90	3	9	1.87	2.20
S2816	290	165	108	35	90	3	9	2.20	2.65
S3216	330	165	111	35	80	4	9	2.36	3.23
S2417	247	178	120	40	120	2	9	2.18	2.60
S2817	290	178	120	40	90	3	9	2.50	3.35
S3118	315	188	125	40	120	3	9	3.20	4.30
S2821	285	219	145	45	100	3	9	3.94	5.03
S3321	337	219	140	40	85	4	9	4.23	5.77
S4121	420	219	145	45	110	4	9	5.42	7.58
S3823	382	230	165	45	100	4	9	6.00	8.00
S4723	475	230	165	45	100	5	9	8.10	10.00
S2824	289	244	166	45	100	3	9	5.60	6.40
S3325	339	259	170	50	85	4	9	6.55	8.50
S3825	385	259	170	50	100	4	9	7.44	9.60
S4726	470	260	170	50	95	5	11	9.40	11.5
S5626	569	260	170	50	120	5	11	11.75	15.00

DQ Type Bucket: HDPE / Nylon / PU

Shallow bucket for agriculture application. Earliest launched by Sanwei in China. It's widely used in grain, food, oil, and other industries.





Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Total Level (X-Y)
DQ1009	106	93	66	25	50	2	7	0.21	0.40
DQ1311	136	114	72	25	60	2	7	0.30	0.50
DQ1312	138	120	91	30	60	2	7	0.61	0.80
DQ2312	234	125	95	35	120	2	9	1.10	1.50
DQ1814	186	140	87	30	100	2	9	0.78	1.13
DQ1914	190	145	115	35	100	2	9	1.20	1.60
DQ2314	235	143	96	30	120	2	9	1.20	1.68
DQ2814	285	143	96	30	90	3	9	1.51	2.08
DQ2316	238	160	102	35	120	2	9	1.31	1.90
DQ2616	260	167	144	50	80	3	9	1.25	2.20
DQ2816	290	167	108	35	90	3	9	2.21	2.65
DQ2417	248	178	120	40	120	2	9	2.18	2.60
DQ2817	290	178	120	40	90	3	9	2.50	3.35
DQ3917	393	170	130	40	100	4	9	3.25	5.00
DQ3321	337	215	140	40	85	4	9	3.70	5.50
DQ3823	382	230	165	45	100	4	9	6.00	8.00
DQ4423	447	230	165	45	90	5	9	7.30	9.20
DQ4723	475	230	164	45	100	5	9	8.10	10.00
DQ2824	289	244	166	45	100	3	9	5.60	6.40
DQ3325	339	259	170	50	85	4	9	6.55	8.50
DQ4726	470	260	170	50	95	5	11	9.40	11.5
DQ5626	569	260	170	50	120	5	11	11.75	15.0

EU Type Bucket: HDPE / Nylon / PU

Shallow bucket for agricultural application.

Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Total Level (X-Y)
4×3	107	91	62	17	50	2	8	0.21	0.30
5×4	140	115	80	23	70	2	8	0.52	0.63
6×4	159	113	77	23	88	2	9	0.54	0.67
7×5	188	144	92	30	100	2	9	0.96	1.20
8×5	203	147	111	32	100	2	9	1.40	1.96
9×6	240	172	110	38	120	2	11	1.90	2.50
11×6	290	174	110	36	80	3	10.5	2.32	3.00
12×7	315	188	123	35	100	3	9	3.17	4.25
14×7	370	188	132	35	90	4	9	3.66	5.00
13×8	340	220	138	38	120	3	10.5	4.47	5.60
15×8	380	220	142	36	90	4	10.5	4.66	6.30

DM Type Bucket: HDPE / Nylon

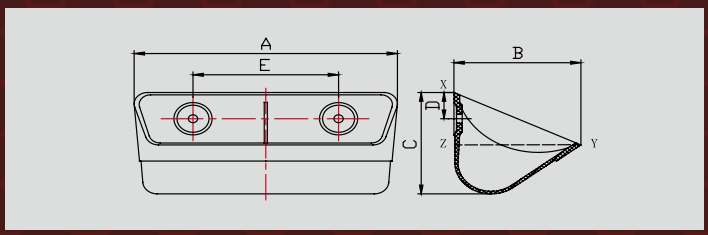
For low speed agricultural bucket elevators and materials which require gentle handling.

Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Total Level (X-Y)
DM1010	105	110	129	48	50	2	9	0.53	0.7
DM1310	138	110	128	37	80	2	7	0.62	0.88
DM1413	143	143	172	52	93	2	9	0.93	1.6
DM2313	230	138	126	44	125	2	7	1.54	2.21
DM1715	175	156	176	52	113	2	9	1.6	2.4
DM2017	207	179	194	60	139	2	9	2.62	3.5
DM2517	258	172	183	52	93	3	9	3.4	4.1
DM2917	296	173	197	61	110	3	9	4	5.26
DM2419	240	190	200	65	90	3	9	3.52	4.73
▲ DM2919	290	199	200	53	92	3	9	2.8	5.3
DM2921	294	210	200	55	113	3	9	4.33	6
DM2118	215	178	195	65	120	2	9	2.5	3.78
DM2918	292	178	195	65	100	3	9	3.44	5.25
DM3321	337	215	215	66	85	4	9	5.38	8.16
DM3921	395	215	215	66	100	4	9	6.1	9.25
DM4721	480	215	215	66	95	5	9	7. 51	11.38
▲ DM4721G	480	215	215	66	95	5	9	7. 51	11.38

Note: "▲" marked size buckets come with higher mounting holes and side wall.

DH Type Bucket: HDPE / Nylon

Designed for rice, seeds, and grains drying machines.



Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Usable Level (Z-Y)+10%
DH1106	116	62	62	13	63	2	7	0.10	0.11
DH1406	143	64	71	19	76	2	7	0.16	0.18
DH2507	261	71	65	16	120	2	6.5	0.19	0.21
DH1808	189	87	79	20	100	2	7	0.34	0.37
DH1409	147	94	87	20	96.5	2	7	0.19	0.21
DH1909	198	96	88	20	100	2	7	0.58	0.64
DH1910	197	100	87	17	65	3	7	0.31	0.34
DH2010	202	107	96	22	100	2	7	0.75	0.83
DH2512	255	123	116	30	141	2	9	1.00	1.10
DH1814	190	142	125	40	100	2	9	1.03	1.13
DH2216	227	160	134	35	65	3	7.5	2.20	2.42

DW Type Bucket: HDPE/Nylon

The agricultural DW type bottomless buckets are assembled using several bottomless buckets at a very tiny spacing with one bucket that has a bottom. Bottomless buckets can minimize the bucket spacing close to zero and increase the elevating capacity dramatically. Normally, the capacity can be increased by more than 20%.

Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)
DW0907	90	78	33	15	40	2	7	0.18
DW1109A	110	92	45	22	60	2	7	0.25
DW1310	130	102	45	20	70	2	7	0.36
DW0706	72	62	30	14	30	2	7	0.08
DW1109	110	92	50	20	60	2	7	0.21
DW1311	130	110	45	18	70	2	7	0.36
DW1812	186	125	60	25	90	2	9	0.85

DG Type Bucket: HDPE / Nylon

Sanwei first launched the product in China, this agricultural assembly bucket can adapt higher elevating speed and increase the elevating capacity.

Model	Bucket Dimension (mm)			Mounting Holes (mm)				Capacity (L)
	Length A	Proj. B	Depth C	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)
DG1107	110	77	86	25	72	2	7	0.45
DG1307	134	77	86	25	72	2	7	0.56
DG1309	135	96	92	30	80	2	7	0.75
DG1812	185	120	120	40	120	2	9	2.00

DL Type Bucket: PP / Nylon

Specially designed for chain conveyors with horizontal and vertical transmission. Suitable for materials which require gentle handling and easy filling/discharging.

Model	Bucket Dimension (mm)			Capacity (L)	Note
	Length A	Proj. B	Depth C	Water Level (Z-Y)	
DL2412	246	132	61	1.20	Installation of this type of bucket involves a lot of dimensional issues, please consult with our engineering team for better accuracy.
DL4013	406	133	69	2.00	
DL3115	310	160	78	2.30	
DL2619	260	190	78.5	2.34	
DL3219	330	200	110	3.19	
DL3319	330	198	103	4.00	
DL3821	380	213	125	4.80	
DL6323	632	236	120	11.00	

AA Type Industrial Bucket: HDPE/Nylon

AA type plastic bucket is designed to replace traditional steel bucket. Well suited for conveying ore, sand, gravel, coal, fertilizer, clay, salt, limestone, cements etc.

Model	Bucket Dimension (mm)			Capacity (L)	
	Length A	Proj. B	Depth C	Water Level (Z-Y)	Usable Level (Z-Y)+10%
AA4X3	103	78	78	0.21	0.23
AA5X4	134	105	105	0.57	0.63

AA6X4	160	105	105	0.68	0.75
AA7X4	184	105	105	0.84	0.92
AA7X5	180	130	134	1.26	1.39
AA8X5	206	130	134	1.47	1.62
AA9X5	232	130	134	1.66	1.83
AA9X6	238	156	156	2.17	2.39
AA10X6	264	156	156	2.43	2.67
AA11X6	290	156	156	2.68	2.95
AA12X6	320	165	160	3.08	3.39
AA12X7	314	180	180	4.00	4.40
AA14X7	365	180	180	4.89	5.38
AA14X8	365	206	206	5.80	6.38
AA16X8	416	206	206	6.66	7.33
AA18X8	460	206	206	7.66	8.43
AA18X10	460	258	258	11.00	12.10
AS13X7	340	195	200	2.17	2.28
AS18X7	470	175	185	4.00	4.40

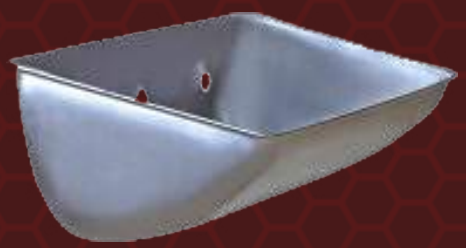
SM Type Steel Bucket:

Carbon Steel/Stainless Steel

Mid-deep seamless pressed steel buckets without welds or joints. Smooth inner and outer surface facilitate materials discharging. Excellent overall strength.

Model	Bucket Dimension (mm)				Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	Thickness	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Total Level (X-Y)
SM0808	85	80	58	1.0	16	43	2	8	0.18	0.21
SM1009	106	89	66	1.0	20	50	2	9	0.25	0.33
SM1312	138	120	88	1.5	25	70	2	9	0.64	0.82
SM1612	170	130	124	1.5-2.0	35	100	2	9	0.89	1.31
SM1614	168	147	112	1.5-2.0	30	100	2	9	1.2	1.58
SM1814	188	147	112	1.5-2.0	30	100	2	9	1.38	1.77
SM2314	234	147	112	1.5-2.5	32	120	2	9	1.78	2.3
SM2814	288	147	112	1.5-3.0	32	100	3	9	2.26	2.91
SM2015	208	152	112	1.5-3.0	32	100	2	9	1.53	2
SM2316	234	160	122	1.5-3.0	32	70	3	9	2.1	2.7
SM2616	264	165	128	2.0-3.0	35	80	3	11	2.55	3.28
SM2816	288	165	130	2.0-3.0	38	80	3	10.5	2.82	3.64
SM3016	308	165	135	2.0-3.0	36	100	3	9	2.9	3.88

SM3316	340	165	135	2.0–3.0	38	110	3	11	3.5	4.4
SM3516	361	167	130	2.0–3.0	38	89	4	11	3.65	4.5
SM2818	290	182	138	2.0–3.0	38	80	3	11	3.5	4.5
SM3018	308	182	140	2.0–3.0	36	100	3	9	3.5	4.5
SM3318	340	182	140	2.0–3.0	38	110	3	11	4	5.2
SM3518	362	182	140	2.0–3.0	38	120	3	11	4.1	5.5
SM3718	385	195	140	2.0–3.0	38	89	4	11	4.9	6.4
SM3021	310	218	163	2.0–3.0	50	100	3	11	5.2	6.7
SM3321	340	215	163	2.0–3.0	50	120	3	11	5.65	7.2
SM3521	362	215	162	2.0–3.0	50	120	3	11	5.86	7.6
SM3721	383	218	160	2.0–3.0	50	89	4	11	6.48	8.6
SM4521	464	215	163	2.0–3.0	50	89	5	11	7.7	10.19
SM4821	480	218	163	2.0–3.0	50	90	5	11	8.5	10.5
SM5021	515	215	163	2.0–3.0	50	100	5	11	8.91	11.25



SS Type Steel Bucket:
Carbon Steel/Stainless Steel

Shallow seamless pressed steel buckets without welds or joints. Smooth inner and outer surface facilitate materials discharging. Excellent overall strength.

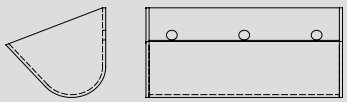
Model	Bucket Dimension (mm)				Mounting Holes (mm)				Capacity (L)	
	Length A	Proj. B	Depth C	Thickness	From Top D	Hole Centres E	No. of Holes	Hole Diameter	Water Level (Z-Y)	Total Level (X-Y)
SS1009	106	89	60	1.0	20	50	2	9	0.19	0.29
SS1312	140	115	78	1.0–1.5	22	70	2	9	0.41	0.61
SS1814	188	140	92	1.0–1.5	28	100	2	9	0.90	1.29
SS2314	237	142	92	1.0–1.5	28	120	2	9	1.26	1.70
SS2316	238	168	108	1.0–1.5	35	120	2	9	1.65	2.25
SS2814	287	142	92	1.5–2.0	28	90	3	9	1.56	2.11
SS2816	289	168	108	1.5–2.0	38	80	3	11	2.08	2.91
SS3018	308	185	116	2.0–2.5	35	100	3	11	2.46	3.66
SS3316	330	165	108	2.0–2.5	38	100	3	9	2.41	3.30
SS3021	310	217	140	2.0–2.5	38	100	3	11	4.00	5.50
SS3321	340	218	130	2.0–2.5	38	120	3	11	3.92	5.51
SS3721	384	218	130	2.0–2.5	38	89	4	11	4.18	6.18
SS4521	466	216	130	2.0–2.5	38	89	5	11	5.59	8.00
SS4626	465	260	170	2.0–2.5	50	95	5	11	7.00	10.70
SS5626	565	265	170	2.0–2.5	50	110	5	11	10.50	15.00

Fabricated Steel Bucket:

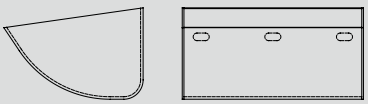
Carbon Steel/Abrasion Resistant Steel/Stainless Steel

We customize this product according to customer's different requests on specifications and materials, therefore offering enormous variety of designs.
The following diagrams show 3 typical bucket structures that we recommend.

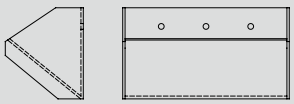
WD(Deep Bottom)Series



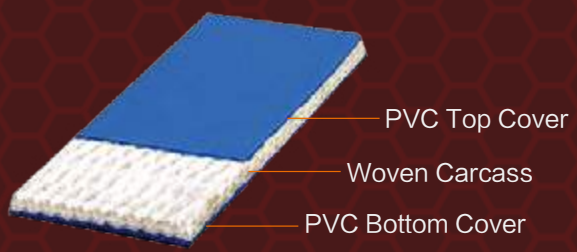
WS (Shallow Bottom) Series

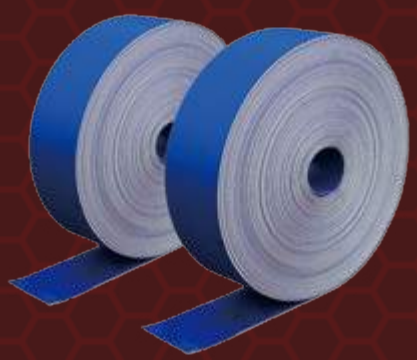


WM (Continuous Discharge) Series



PVC Solid Woven Elevator Belt





Features

1. Solid woven carcass completely solve the problem of ply separation and belt delamination.
2. High resistance to oil, grease, chemicals, corrosion,flame, abrasion with anti-static properties.
3. Consists of tight woven carcass with resilient PVC cover. Prevent the bolts from penetrating the belt and secure the fixation between buckets and belt.
4. Flexibility allows the belt running along elevator pulley smoothly and avoid belt mistracking.

Specification

Size	Color	Tensile Strength N/ mm	Elongation @ Rated Load %	Cover to Carcass Adhesion Strength N/ mm	Working Temperature ℃
PVC230	Blue	500	⩽ 1.0	⩾ 4.5	−10~+85
PVC400	Blue	700	⩽ 1.0	⩾ 4.5	−10~+85
PVC520	Blue	900	⩽ 1.0	⩾ 4.5	−10~+85
PVC640	Blue	1100	⩽ 1.0	⩾ 4.5	−10~+85

Cover Performance

Item	Unit	Value
Tensile Strength	MPa	⩾ 15.0
Elongation @ Break	%	⩾ 300
Abrasion Loss	mm^3	⩽ 100
Bending Test		No crack under 2.5 million times of bending
Flammability		Persistence of flame ⩽ 6S, no persistence of after glow
Electric Conductivity	Ω	Surface ⩽ $3X10^8$ (customize upon request)

Note:

1. Full-size belt cut to size available to the exact width&length required.
2. Hole punching service available according to customer's drawing/ specification.

Rubber Elevator Belt

Reformed Rubber Elevator Belt

Features

The carcass is made from low shrink, high crimpness dipped rubber Terylene fabric, it is the most popular rubber belt being used in grain and food industry due to moderate oil resistant and anti-static formula adopted.

Belt Specifications

Model	Color	Ply	Total Tensile Strength N/mm	Elongation at 10% Rated Load %	Adhesion Strength N/mm		Temperature Range ℃
					Ply to Ply	Cover to Ply	
600YP	Black	3	600	⩽ 1.2	⩾ 4.5	⩾ 3.5	-35~+70
800YP		4	800				
1000YP		5	1000				
W400YP	White	2	400	⩽ 1.2	⩾ 4.5	⩾ 3.5	-35~+70
W800YP		4	800				

Cover Rubber Specifications

Index	Units	Value
Tensile Strength	MPa	⩾ 15.0
Elongation at Break	%	⩾ 300
Abrasion Loss	mm^3	⩽ 200
Antistatic	Ω	Surface Resistance ⩽ $3X10^8$
Oil Resistance（Plant Oil,70℃ *72h）	%	Volume Expansion ⩽ 50%

Belt Supplied Requirement

1、Model 1000YP is a customized belt, the other models are prepared in the mode of wide width, therefore the individual required width and length of belt can be supplied according to customer's requirement.

2、The mounting hole drilled service is provided upon requested.

Oil & Fire Resistant Elevator Belt

Features

The carcass is made from low shrink, high crimpness dipped rubber Terylene fabric, it is mainly being used in grain oil and food industry, where oil resistance, wet resistance and anti static are requested , due to heavy oil and anti-static formula adopted.

Belt Specifications

Model	Color	Ply	Total Tensile Strength N/mm	Elongation at 10% Rated Load %	Adhesion Strength N/mm		Temperature Range ℃
					Ply to Ply	Cover to Ply	
600YUP	Black	4	600	⩽ 1.2	⩾ 4.5	⩾ 3.5	-35~+70
800YUP	Black	4	800	⩽ 1.2	⩾ 4.5	⩾ 3.5	-35~+70
1000YUP	Black	5	1000	⩽ 1.2	⩾ 4.5	⩾ 3.5	-35~+70

Cover Rubber Specifications

Index	Unit	Value
Tensile Strength	MPa	⩾ 15.0
Elongation at Break	%	⩾ 300
Abrasion Loss	mm^3	⩽ 200

Oil Resistance	%	Plant Oil, 70℃ *72h，Volume Expansion ≤ 20%
Anti static	Ω	Surface Resistance ≤ $3X10^8$
Flame Resistance		Persistence of Flame ≤ 30S, no persistence of after glow

Belt supplied requirement

1、Model 1000YUP is a customized belt, the other models are prepared in the mode of wide width, therefore the individual required width and length of belt can be supplied according to customer’s requirement.

2、The mounting hole drilled service is provided upon requested.

FRASOR Rubber Elevator Belt

Features

High performance elevator belt which is widely used in feed and grain industry under severe conditions. Consists of flame-retardant, anti-staticand high grade oil-resistant rubber cover with low-elongation and high-elasticity EP (polyester warp and polyamide weft) carcass.

Belt Specifications

Carcass	Cover Thickness (Top/Bottom) mm	Color	Ply	Total Tensile Strength N/mm	Elongation at 10% Rated Load %	Adhesion Strength N/mm		Temperature Range℃
						Ply to Ply	Cover to Ply	
EP200	1.6/1.6	Black	2	400	≤ 1.2	≥ 4.5	≥ 3.5	-35~+70
EP200	1.6/1.6	Black	3	600	≤ 1.2	≥ 4.5	≥ 3.5	-35~+70
EP200	2/2	Black	4	800	≤ 1.2	≥ 4.5	≥ 3.5	-35~+70
EP250	2/2	Black	4	1000	≤ 1.2	≥ 4.5	≥ 3.5	-35~+70

Cover Rubber Specifications

Index	Unit	Value
Strength	MPa	≥ 15.0
Elongation at Break	%	≥ 300
Abrasion Loss	mm^3	≤ 200
Electric Conductivity	Ω	Surface Resistance ≤ $3x10^8$
Oil Resistance (Plant Oil, 70℃ * 72h)	%	Volume Expansion ≤ 50
Flammability	s	Persistence of flame ≤ 30s, no persistence of after glow

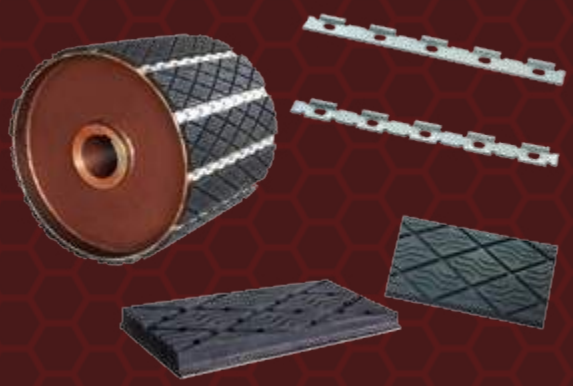
Customized Rubber Elevator Belt

For all the belt specifications and properties that are not found above, we can customize the product upon customer's request.

Hole Punching Service

Hole punching service available according to customer's drawing/specification.

Pulley Slide Lagging



Features

Superior Traction: The diamond shape and Z shape groove on the surface greatly increases the friction/traction between pulley and belt. Therefore, less slipping and better driving performance.

Self-Cleaning: Foreign matter discharge itself through the double chevron groove on the pulley lagging surface and the gap between laggings. This structure ensures no material build-up so that the belt is easy to track and runs steady. Protect the pulley face and belt cover from damage and increase the service life.

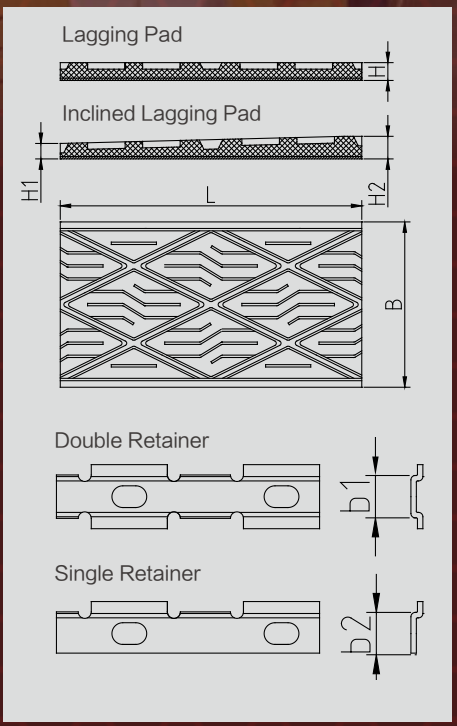
Self-Cooling: The ventilation and heat dissipation improved through the double chevron groove on the pulley lagging surface and the gap between laggings. Reduced temperature of both belt cover and pulley face result in better performance and longer life.

Broad application range: Suitable for all types of pulley with different diameters as long as the complete set is statically balanced.

Selection of materials: Two types of materials are available to choose: (1) General Purpose: High-elasticity, abrasion resistant, oil-resistant, anti-static material which is widely used for grain handling and other general purposes. (2) Flame Retardant Type: High abrasion resistant, flame retardant, oil-resistant and anti-static. Meet the safety requirements of underground mining industry.

Easy to maintain: Replace the slide lagging without removing the pulley from the conveyor system and extra rubber fabricating. Simply slide out old lagging, slide in new lagging and resume operation. Reduce the shutdown time and maintenance cost dramatically and translate into high productivity.

Parts for Pulley Lagging



Name	Size	Width	Thickness mm			Length L
		mm	H	H1	H2	mm
Lagging Pad	SRS15	B=139	15	–	–	1830
Lagging Pad	SRS19	B=139	19	–	–	1830
Inclined Lagging Pad	SRE19	B=139	–	13	19	254
Double Retainer	SFK		–	–	–	1830
Single Retainer	SFA		–	–	–	1830

Note: Cut to size available for length (L) upon customer’s request.

How to Order

1. **Calculate Pulley Diameter without lagging:** Use designed overall pulley diameter with lagging minus 2 x chosen lagging pad thickness (H).
2. **Complete Set Solutions:** Our engineer team will come up the solution of pulley static-balance based on the pulley diameter without lagging and the required length (L). We can also meet requirements according to customer's personalized specification/design
3. **Requirement of drum face pulley:** If the pulley face without lagging is drum, use SRS15 or SRS19 lagging pads. If the pulleywithout lagging is flat face with less than 750mm face length, customer could thicken the middle portion of the pulley face and use SRS15 or SRS19 lagging pads. If the pulley without lagging is flat face with face length greater than 750mm, use SRE19+SRS19+SRE19 inclined lagging pads to achieve drum face.

Installation Step

1. Based on the number of lagging pads required, mark the installationpositions of the lagging pads on the pulley evenly.
2. Weld or bolt the first retainer onto the marked position (make sure the retainer is parallel to the axial line of the pulley). See image 1.
3. Slide the lagging pad into the first installed retainer, and then based on the corresponding position, weld or bolt the second retainer on the other side of the pad. Repeat this step until installing all retainer and pads. See image 2, 3, 4.
4. After installing the pad into the retainer, please also install two fixtures at both ends of the pads to prevent the pads from sliding out of the retainer,
5. The single retainer fixing installation should follow the spacing between adjacent single retainers. See image 5.
6. Maintenance/Replacement: Remove the fixtures on both ends of the pads. Simply slide out the old ones and slide into the new ones, then put the fixtures back on again. See image 6.

Images

Bucket Elevator Bolt Sets

Bolt Sets

H	Flange Nut
Y	Domed Washer + Spring Washer + Hexagon Nut
S	Large Flat washer + Spring Washer + Nyloc Nut
P	Large Flat washer + Spring Washer + Hexagon Nut
GS	Domed Washer + Spring Washer + Nyloc Nut
G+S	Domed Washer + Nyloc Nut
P+S	Large Flat Washer + Nyloc Nut

Fang Bolt

Material: Carbon Steel (Zinc Plated), Stainless Steel
Strength Grade: 4.8 **Thread Manufacturing Precision:** 6g

Size		Head Diameter mm	Length (mm) and Nominal Weight (Kg/100pcs)					
Metric	Imperial		25mm	30mm	35mm	40mm	45mm	50mm
			1″	$1^{1}/_{4}$″	$1^{3}/_{8}$″	$1^{1}/_{2}$″	$1^{3}/_{4}$″	2″
M6	1/4″	23	1.07	▲ 1.22	–	1.4	–	–
M8	5/16″	28	–	1.78	▲ 1.93	2.1	2.24	–
M10	3/8″	31	–	2.83	3.08	▲ 3.32	3.57	3.82
M12	1/2″	–	–	–	–	–	–	–

Note: "▲" means the specific sizes are available in stainless steel as well;other sizes can be manufactured in stainless steel upon request.

Euro Bolt

Material: Carbon Steel (Zinc Plated)
Strength Grade: 5.6 **Thread Manufacturing Precision:** 6g

Size	Head Diameter mm	Length (mm) and Nominal Weight (Kg/100pcs)								
		20mm	25mm	30mm	35mm	40mm	45mm	50mm	60mm	70mm
M6	25	0.95	1.04	1.13	–	–	–	–	–	–
M8	30	1.67	1.82	1.98	2.14	2.29	2.45	2.60	–	–
M10	35	–	3.15	3.40	3.64	3.89	4.14	4.38	–	–
M12	42	–	–	–	4.73	5.09	5.45	5.80	6.52	7.23

Bolt Parts

Domed Washer

Material: Carbon Steel (Zinc Plated), Stainless Steel

Size		Outer Diameter	Thickness	Nominal Weight
Metric	Imperial	mm	mm	Kg/100pcs
M6	1/4″	22	1.5	0.43
M8	5/16″	26	2	0.75
M10	3/8″	32	2.0	1.16
M12	1/2″	40	2.0/2.5	1.9

Large Flat Washer

Material: Carbon Steel (Zinc Plated), Stainless Steel

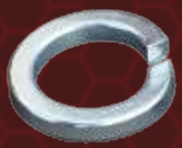
Size		Outer Diameter	Thickness	Nominal Weight
Metric	Imperial	mm	mm	Kg/100pcs
M6	1/4″	18	1.5	0.27
M8	5/16″	24	2	0.61
M10	3/8″	30	2.5	1.2
M12	1/2″	37	3	2.19

Flat Washer

Material: Carbon Steel (Zinc Plated), Stainless Steel

Size		Outer Diameter	Thickness	Nominal Weight
Metric	Imperial	mm	mm	Kg/100pcs
M6	1/4″	12	1.6	0.11
M8	5/16″	16	1.6	0.19
M10	3/8″	20	2	0.37
M12	1/2″	24	2.5	0.67

Spring Washer



Material: Manganese Steel (Zinc Plated) , Stainless Steel

Size		Elasticity Test under the Load	Thickness	Nominal Weight
Metric	Imperial	N	mm	Kg/100pcs
M6	1/4″	7050	1.6	0.05
M8	5/16″	12900	2.1	0.11
M10	3/8″	20600	2.6	0.21
M12	1/2″	30000	3.1	0.36

Hexagon Nut

Material: Carbon Steel (Zinc Plated), Stainless Steel

Size		Thickness	Nominal Weight
Metric	Imperial	mm	Kg/100pcs
M6	1/4″	5.2	0.21
M8	5/16″	6.8	0.45
M10	3/8″	8.4	0.84
M12	1/2″	10.8	1.25

Nyloc Nut

Material: Carbon Steel (Zinc Plated), Stainless Steel

Size		Thickness	Nominal Weight
Metric	Imperial	mm	Kg/100pcs
M6	1/4″	8	0.22
M8	5/16″	9.5	0.46
M10	3/8″	11.9	0.86
M12	1/2″	14.9	1.28

Flange Nut

Material: Carbon Steel (Zinc Plated)

Size	Flange Size	Spanner Size	Thickness	Nominal Weight
Metric	mm	mm	mm	Kg/100pcs
M6	13	10	6	0.3
M8	18	13	8	0.7

Belt Fastener

S1、S2 Material: Carbon Steel

S1 S2

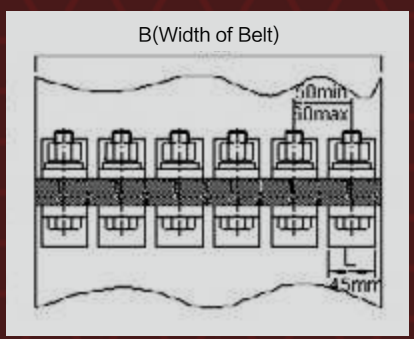
S4、S5 Material: Carbon Steel (Zinc Plated), Stainless Steel

S4 S5

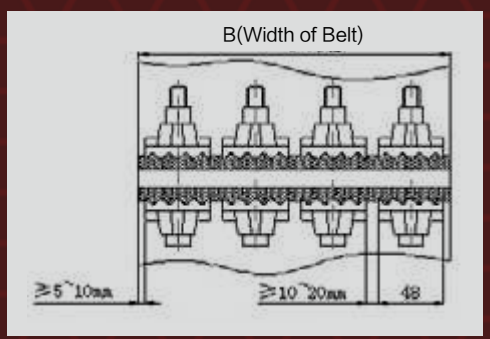
Size and Rated Strength

Size	S1	S2	S4	S5
Rated Strength KN/m	⩽ 600	⩽ 1000	⩽ 1200	⩽ 1600
Bolt Size (8.8 grade)	M10	M10	M12	M16

Belt Fastener Installation Diagrams



S1, S2 Type



S4, S5 Type

BELT CONVEYOR COMPONENTS

Cotton Conveyor Belt

Features

1. Cotton (Polyester Cotton) canvas woven carcass consists of cotton fiber in both warp and weft directions;
2. Superior flexibility and troughability with low cost.

Application

1. Mainly used in short/medium-distance conveying. Suitable for conveying small/ medium particles and powder-like materials such as wood chips, grains, coal, cement etc.
2. Working Temperature: -30℃ ~ 60℃.

Technical Requirements

Comply with CEMA/RMA、AS、GB standardsfor rubber conveyor belt.

Overall Specifications

Item		Unit	Index Value
Carcass Material			Cotton CC-56, Polyester Cotton TC -70
No. of Plies			2 ~ 6
Tensile Strength		N/mm	112 ~ 420
Elongation @ 10% Tensile Strength		%	⩽ 4
Adhesion Strength	Carcass Ply to Carcass Ply	N/mm	⩾ 3.2
	Cover to Carcass Ply	N/mm	⩾ 2.7
Width		mm	300 ~ 1800
Length		m	⩽ 250

Cover Rubber Properties

Type	Tensile Strength	Elongation @ Break	Abrasion Loss
	MPa	%	mm^3
Normal Condition	⩾ 15.0	⩾ 350	⩽ 200
Heavy Abrasive Condition	⩾ 18.0	⩾ 400	⩽ 100
Heavy TearingCondition	⩾ 24.0	⩾ 450	⩽ 120

Polyester Conveyor Belt

Features

1. Canvas woven carcassconsists of polyester warp and polyamide weft. The belt containslow elongation (in warp)and good troughability (in weft) features.
2. Good water-resistance. No strength loss in wet condition. The belt will not get mouldy.
3. High strength, fatigue resistant, impact resistant, anti-tearing, long service life.

Application

1. Widely used in long-distance conveying with heavy-duty materials.
2. Impact resistant and anti-tearing belt is normally used to handle high-density materials in conveyor loading points or transfer points where the drop height are more than one meter.

Technical Requirements

Comply with CEMA/RMA、AS、GB standards for rubber conveyor belt.

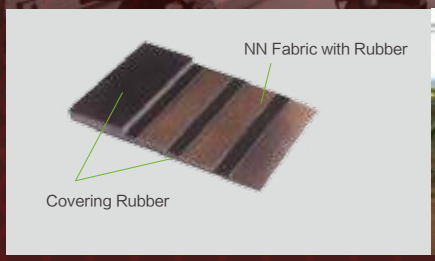
Overall Specifications

Item		Unit	Index Value
Carcass Material			EP80 ~ EP400
No. of Plies			2 ~ 6
Tensile Strength		N/mm	160 ~ 2400
Elongation @ 10% Tensile Strength		%	≤ 2
Adhesion Strength	Carcass Ply to Carcass Ply	N/mm	≥ 4.5
	Cover to Carcass Ply	N/mm	≥ 3.5
Width		mm	300 ~ 1800
Length		m	≤ 250

Cover Rubber Properties

Type	Tensile Strength	Elongation @ Break	Abrasion Loss
	MPa	%	mm^3
Normal Condition	≥ 15.0	≥ 350	≤ 200
Heavy Abrasive Condition	≥ 18.0	≥ 400	≤ 100
Heavy TearingCondition	≥ 24.0	≥ 450	≤ 120

Nylon Conveyor Belt



Features

1. Canvas woven carcass consists of nylon fabric in both warp and weft directions. Good troughability.
2. Good flexibility and elasticity, works well with all types of trough rollers.
3. High strength, fatigue resistant, impact resistant, anti-tearing, long service life.

Application

1. Widely used in long distance and heavy-duty conveying with loose density and medium/ small particle size materials.
2. Impact resistant and anti-tearing belt is normally used to handle high-density(>2.5) and large particle size materials in conveyor loading points or transfer points where the drop height are more than one meter

Technical Requirements

Comply with CEMA/RMA、AS、GB standards for rubber conveyor belt.

Overall Specifications

Item		Unit	Index Value
Carcass Material			NN80 ~ NN400
No. of Plies			2 ~ 6
Tensile Strength		N/mm	160 ~ 2400
Elongation @ 10% Tensile Strength		%	⩽ 2
Adhesion Strength	Carcass Ply to Carcass Ply	N/mm	⩾ 4.5
	Cover to Carcass Ply	N/mm	⩾ 3.5
Width		mm	300 ~ 1800
Length		m	⩽ 250

Cover Rubber Properties

Type	Tensile Strength	Elongation @ Break	Abrasion Loss
	MPa	%	mm^3
Normal Condition	⩾ 15.0	⩾ 350	⩽ 200
Heavy AbrasiveCondition	⩾ 18.0	⩾ 400	⩽ 100
Heavy Tearing Condition	⩾ 24.0	⩾ 450	⩽ 120

Flame Retardant Conveyor Belt

Features

1. The belt is flame retardant with specially treated belt carcass.
2. Cover rubber has good abrasion resistant and anti-static features.

Application

Suitable for conveying materials that requireflame resistance and static conductivity under high-level safety requirements.

Technical Requirements

Comply with CEMA/RMA、AS、GB standards for rubber conveyor belt.

Overall Specifications

Item			Unit	Index Value
Carcass Material				Cotton CC, Polyester Cotton TC, Polyester EP, Nylon NN
No. of Plies				2 ~ 6
Tensile Strength			N/mm	160 ~ 2400
Elongation @ 10% Tensile Strength			%	⩽ 4
Adhesion Strength	CC, TC	Carcass Ply to Carcass Ply	N/mm	⩾ 3.2
		Cover to Carcass Ply	N/mm	⩾ 2.7
	EP, NN	Carcass Ply to Carcass Ply	N/mm	⩾ 4.5
		Cover to Carcass Ply	N/mm	⩾ 3.5
Width			mm	300 ~ 1800
Length			m	⩽ 250

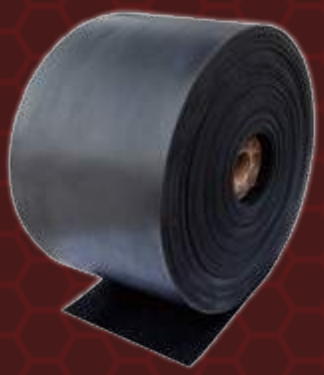
Cover Rubber Properties

Type	Tensile Strength	Elongation @ Break	Abrasion Loss
	MPa	%	mm^3
Normal Condition	⩾ 14.0	⩾ 400	⩽ 250
Heavy Abrasive Condition	⩾ 18.0	⩾ 450	⩽ 200

Flame Retardant and Anti-Static

Type	Flame Retardant	
	K2	K3
Duration of Visible Flame	The overall persistence of flame of 6 samples with rubber covershould not exceed 45seconds;The persistence of flame of any single sample should not exceed 15 seconds.	The average persistence of flame of 3 samples with rubber cover should not exceed 60 seconds.
Anti-Static	Surface Resistance $\leqslant 3\times10^{8}\Omega$	
Re-ignition	No persistence of after glow for any samples.	

Oil Resistant Conveyor Belt



Features

1. Carcass can be made from Polyester EP, Nylon NN, Cotton CC, or Polyester Cotton TC.
2. The different features of oily materials determine the selection of rubber cover. The correct selection of cover will lead to longer belt service life.

Application

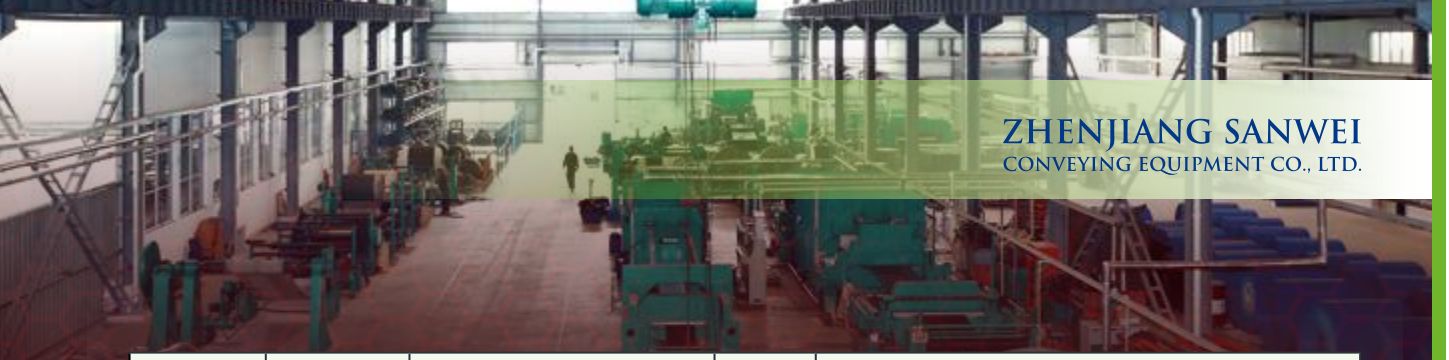
Mainly used in conveying different oily material atvegetable oil plant, mineral oil plant etc.

Technical Requirements

Comply with ASTM and GB standards for rubber conveyor belt.

Overall Specifications

Item	Unit	Index Value
Carcass Material		Cotton CC, Polyester Cotton TC, Polyester EP, Nylon NN
No. of Plies		2 ~ 6
Tensile Strength	N/mm	160 ~ 2400
Elongation @ 10% Tensile Strength	%	⩽ 4



Adhesion Strength	CC, TC	Carcass Ply to Carcass Ply	N/mm	⩾ 3.2
		Cover to Carcass Ply	N/mm	⩾ 2.7
	EP, NN	Carcass Ply to Carcass Ply	N/mm	⩾ 4.5
		Cover to Carcass Ply	N/mm	⩾ 3.5
Width			mm	300 ~ 1800
Length			m	⩽ 250

Cover Rubber Properties

Type	Tensile Strength	Elongation @ Break	Abrasion Loss	Volume Change
	MPa	%	mm^3	%
Moderate Oil Resistant (MOR)	⩾ 14.0	⩾ 350	⩽ 200	⩽ +50
Superior Oil Resistant (SOR)	⩾ 16.0	⩾ 350	⩽ 160	⩽ +5

Note: #3 oil,70℃ x 72h
Moderate Oil Resistant：suitable for wood oil, grain oil, animal oil, vegetable oil etc.
Superior Oil Resistant: suitable for mineral oil, heavy oil, anti-rust oil, engine oil etc.

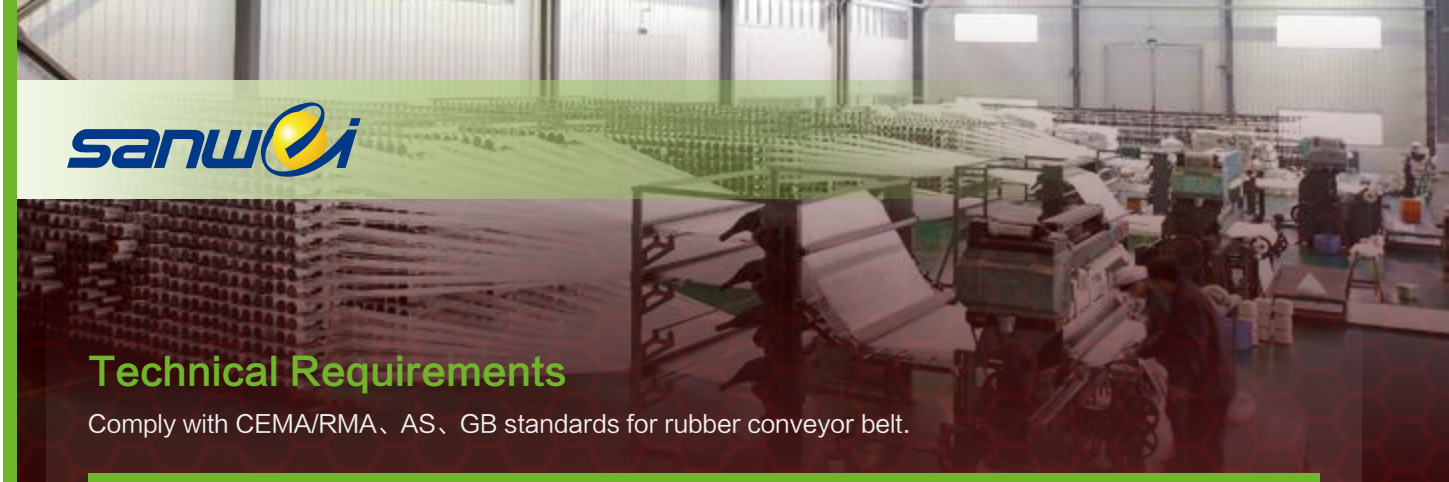
Acid-Alkali Resistant Conveyor Belt

Features

1. Carcass can be made from Polyester EP, Nylon NN, Cotton CC, and Polyester Cotton TC.
2. Good overall adhesiveness, excellent physical and chemical corrosion resistance.

Application

Mainly used in conveying acid or alkali material in chemical factory, fertilizer factory, paper mill, mining plant etc.



Technical Requirements

Comply with CEMA/RMA、AS、GB standards for rubber conveyor belt.

Overall Specifications

Item			Unit	Index Value
Carcass Material				Cotton CC, Polyester Cotton TC, Polyester EP, Nylon NN
No. of Plies				2 ~ 6
Tensile Strength			N/mm	160 ~ 2400
Elongation @ 10% Tensile Strength			%	⩽ 4
Adhesion Strength	CC, TC	Carcass Ply to Carcass Ply	N/mm	⩾ 3.2
		Cover to Carcass Ply	N/mm	⩾ 2.7
	EP, NN	Carcass Ply to Carcass Ply	N/mm	⩾ 4.5
		Cover to Carcass Ply	N/mm	⩾ 3.5
Width			mm	300 ~ 1800
Length			m	⩽ 250

Cover Rubber Properties

Type		Tensile Strength	Elongation @ Break	Abrasion Loss	Hardness
		MPa	%	mm^3	%
Aging Test in HotAir (Condition：70℃ x 96h)	Before Aging	⩾ 14.0	⩾ 350	⩽ 200	⩽ +50
	After Aging	⩾ 16.0	⩾ 350	⩽ 160	⩽ +5

Note: Cover rubber tested in ozone with concentration of 50*10−8, elongated 20%, and temperature of 40℃ , no crackle after 15 hours of testing.

Cover Rubber Acid-Alkali Properties

Type	Solution	Concentration	Temp. & Time	Before & After Soaking	
				Volume Expansion	Strength Change
A1	HCl	18%	50℃ ×96h	Within +10%	Within −10%
A2	H_2SO_4	50%	50℃ ×96h	Within +10%	Within −10%
A3	NaOH	48%	50℃ ×96h	Within +10%	Within −10%

Heat Resistant Conveyor Belt

Features

1. Carcass can be made from Polyester EP, Cotton CC, and Polyester Cotton TC with high strength and low shrinkage features.
2. Both top and bottom rubber coversare thick and heat/high temperature resistant.

Application

Suitable for conveying sintered ores, cokes, cement clinker in metallurgical and building materialsindustries.

Product Varieties

1. Heat Resistant Type:

T1: Working temperature is no more than 100℃, short-term peak temperature at 125℃.
T2: Working temperature is no more than 125℃, short-term peak temperature at 150℃.
T3: Working temperature is no more than 150℃, short-term peak temperature at 175℃.

2. High Temperature Resistant Type:

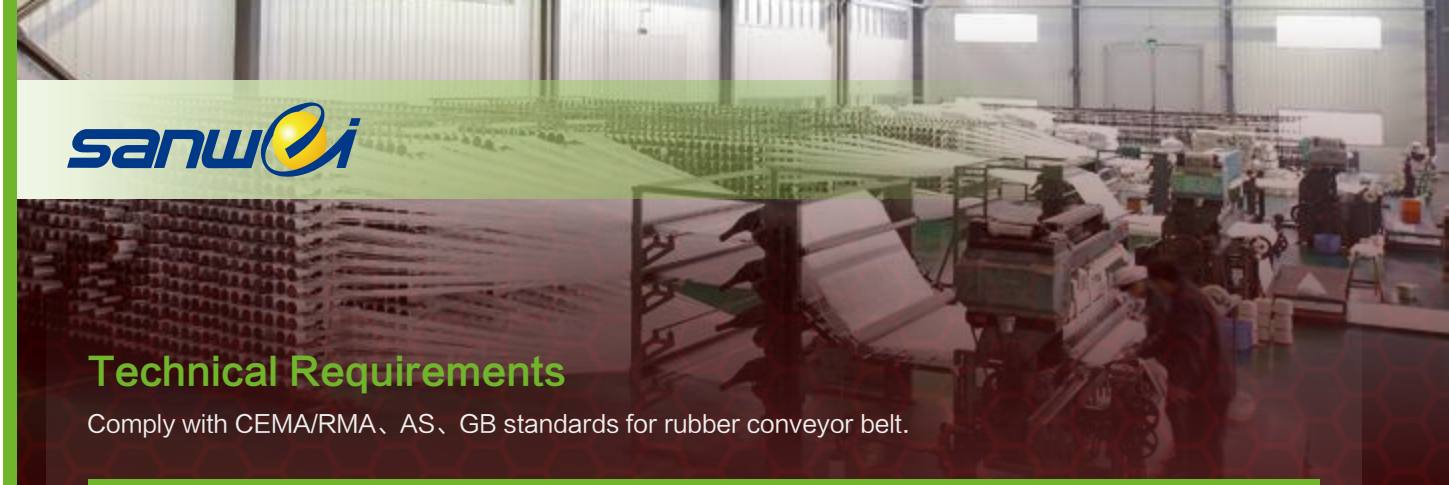
T4: Working temperature is no more than 175℃, short-term peak temperature at 230℃.

How to Order

1. Choose the right type of heat resistant belt based on the properties of conveyed materials, such as temperature, shape, and viscosity.
2. Surface working temperature of the belt has a huge impact on the belt service life and the adhesion strength between cover & ply and ply & ply. Therefore, investigate the surface working temperature and other relevant working conditions carefully before choosing the belt type.

Note

1. Prevent the belt from contacting with oil. Even a small amount of oil in the coolantsand conveyed materialswill significantly damage the belt.
2. Should take auxiliarymeasures to cool the surface of the belt on the return route.
3. Keep the materials distributing evenly on the belt. If the equipment unexpected stops during normal operation, take immediate measures to remove the materials on the belt.
4. Suggest hot vulcanized belt splicing for heat resistant conveyor belt.



Technical Requirements

Comply with CEMA/RMA、AS、GB standards for rubber conveyor belt.

Overall Specifications

Item			Unit	Index Value
Carcass Material		Heat Resistant T1、T2、T3		Cotton CC, Polyester Cotton TC, Polyester EP
		High Temperature Resistant T4		Polyester TNG EP
No. of Plies				2 ~ 6
Tensile Strength			N/mm	160 ~ 2400
Tensile Strength Change (After Aging)			%	≤ 30
Elongation @ 10% Tensile Strength			%	≤ 4
Elongation @ 10% Tensile Strength (After Aging)			%	≤ 4
Adhesion Strength @ 23℃	CC, TC	Carcass Ply to Carcass Ply	N/mm	≥ 3.2
		Cover to Carcass Ply	N/mm	≥ 2.7
	EP, NN	Carcass Ply to Carcass Ply	N/mm	≥ 4.5
		Cover to Carcass Ply	N/mm	≥ 3.5
Adhesion Strength (tested @ rated temperature)	Carcass Ply to Carcass Ply		N/mm	≥ 2.1
	Cover to Carcass Ply		N/mm	≥ 2.1
Width			mm	300 ~ 1800
Length			m	≤ 250

Cover Rubber Properties

Item		Type			
		T1	T2	T3	T4
		Allowed Change Range			
Hardness	Difference between before Aging and after Aging (IRHD)	+20	+20	±20	±20
	Max Value after Aging (IRHD)	85			
Tensile Strength	Change (%)	−25	−30	−40	−40
	Min Value after Aging (MPa)	12	10	5	5
Elongation @ Break	Change (%)	−50		−55	
	Min Value after Aging (%)	200		180	

Cold Resistant Conveyor Belt

Features

1. Carcass can be made from Polyester EP, Nylon NN, Cotton CC, and Polyester Cotton TC.
2. Adopting lower crystal rubber materials (combination of natural and butadiene rubber) as cover rubberwhichcontain high elasticity, shock resistance and cold resistance features. Working Temperature : −60 ~+50℃。

Application

Suitable for outdoor materialsconveying in freezing areasor used at cold storage warehouses etc.

Technical Requirements

Comply with CEMA/RMA、AS、GB standards for rubber conveyor belt.

Overall Specifications

Item			Unit	Index Value
Carcass Material				Cotton CC, Polyester Cotton TC, Polyester EP
No. of Plies				2 ~ 6
Tensile Strength			N/mm	160 ~ 2400
Elongation @ 10% Tensile Strength			%	⩽ 4
Adhesion Strength	CC, TC	Carcass Ply to Carcass Ply	N/mm	⩾ 3.2
		Cover to Carcass Ply	N/mm	⩾ 2.7
	EP、NN	Carcass Ply to Carcass Ply	N/mm	⩾ 4.5
		Cover to Carcass Ply	N/mm	⩾ 3.5
Width			mm	300 ~ 1800
Length			m	⩽ 250

Cover Rubber Properties

Type	Tensile Strength	Elongation @ Break	Abrasion Loss	Cold Resistant Coefficient of Elongation	
	MPa	%	mm^3	C1(−45℃)	C2(−50℃)
Normal Condition	⩾ 15.0	⩾ 350	⩽ 200	⩾ 0.3	⩾ 0.2
Heavy Abrasive Condition	⩾ 18.0	⩾ 400	⩽ 100	⩾ 0.3	⩾ 0.2
Heavy Tearing Condition	⩾ 24.0	⩾ 450	⩽ 120	⩾ 0.3	⩾ 0.2

Note:
Cold resistance consists of two types: C1 and C2. Temperature range of C1 and C2 are −45 ~ +50℃ and −60 ~ +50℃ respectively.

Patterned Conveyor Belt

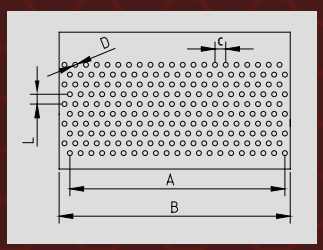
Features

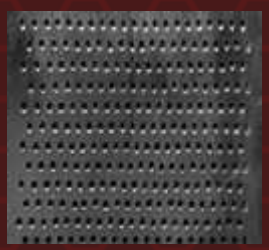
1. Carcass can be made from Polyester EP, Nylon NN, Cotton CC, and Polyester Cotton TC;
2. Patterned Belt include variouspatterns such as “Cross”, “V”, “Doted”, “Crescent”, etc.
3. Suitable for incline conveying.

Pattern measurements

Excluding the pattern measurements, the belt specifications and rubber cover properties of patterned conveyor belt remain the same as the flat conveyor belt under the condition of same carcass materials and application environments.

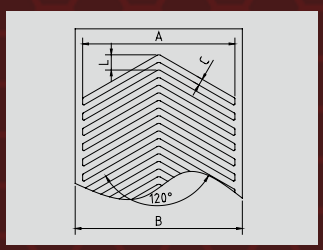
Dotted Type





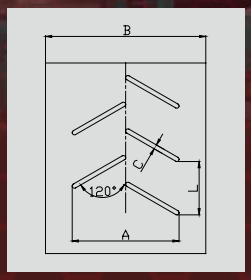
BeltWidth(mm)	A(mm)	L(mm)	C(mm)	D(mm)	Pattern Depth (mm)	Width Range B(mm)
500 ~ 650	430	10	20	10	3	500 ~ 650

Grooved Type



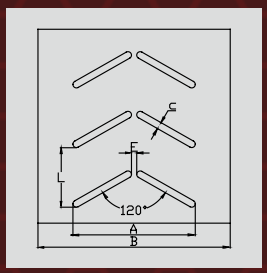
Belt Width(mm)	A(mm)	L(mm)	C(mm)	Pattern Depth (mm)	Pattern Angle°	Width Range B(mm)
500	460	40	20	2.5	120	500 ~ 1200
650	580	40	20	2.5	120	
800	750	55	25	2.5	120	
1000	830	40	20	2.0	120	
1200	1130	40	20	2.0	120	

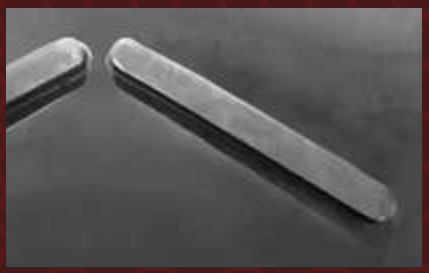
Cross Convex Type



Belt Width(mm)	A(mm)	L(mm)	C(mm)	Pattern Depth (mm)	Pattern Angle°	Width Range B(mm)
400	360	120	10	6	110	400 ~ 900
500	450	300	25	6	120	
650	600	300	25	6	120	
650	600	300	25	8	120	

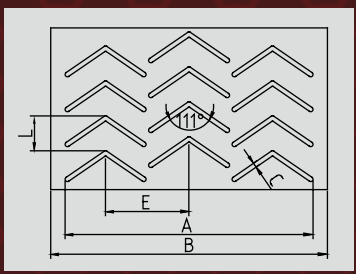
Chevron Type





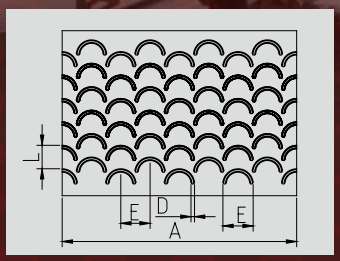
Belt Width(mm)	A(mm)	L(mm)	E(mm)	C(mm)	Pattern Depth (mm)	Pattern Angle°	Width Range B(mm)
800	700	300	30	40	18	120	750 ~ 1000
1000	900	300	30	40	18	120	950 ~ 1200

Multi-V Convex Type(V3)



Belt Width(mm)	A(mm)	L(mm)	E(mm)	C(mm)	Pattern Depth (mm)	Pattern Angle°	Width Range B(mm)
750	530	75	180	8	6	110	550 ~ 900

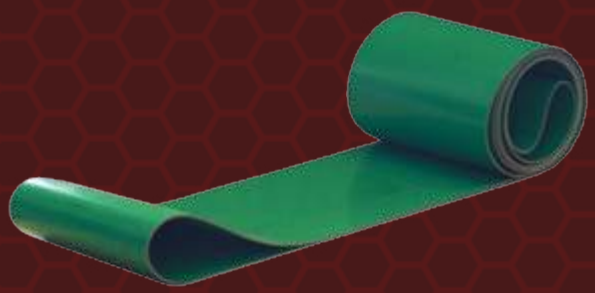
Crescent Top



A(mm)	L(mm)	D(mm)	E(mm)	Pattern Depth (mm)	Width Range B(mm)
Customized	20	3	26	2	550 ~ 900

Note: White color, cotton carcass with PVC top cover. Other carcass materials are available upon request. Cut to size available to the exact width & length required.

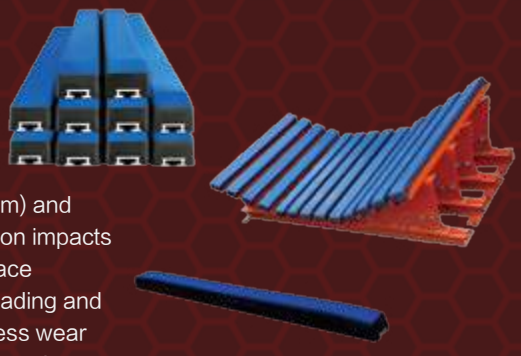
Endless Belt



Feature

1. Carcass can be made from Polyester EP, Nylon NN, Cotton CC, and Polyester Cotton TC.
2. Cover rubber classifications under different applications: General, Oil-resistant, Acid-Alkali resistant, Cold-resistant, Anti-static, Flame retardant, Abrasion-resistant and Heat-resistant;Top cover classifications under different surface shapes: flat belt and patterned belt.
3. For technical specificationsof belt and rubber cover or pattern measurements, please refer to the according flat belts or patterned belts.

Impact Bar



Impact bar is the combination of rubber, metal frame (steel or aluminum) and UHMWPE material using special heat vulcanization process Low friction impacts bars are used in the conveyor loading points or transfer points to replace traditional cushion rollers. They are designed to absorb high impact loading and help eliminate spillage and scattering of the products. This results in less wear and tear on your conveyor system, dramatically improving the efficiency of the conveyor system and reducing the maintenance costs.

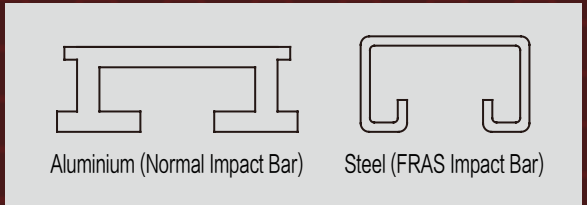
Feature

1. Impact bars distribute evenly under conveyor belt therefor absorbing the impact loading evenly to minimize the damage to belt.
2. High elastic rubber layer absorb maximum impact to protect conveyor belt.
3. Effectively reduce materials spillage from loading.
4. Extremely low friction coefficient UHWMPE top surface significantly reduce the friction force and heat with the conveyor belt, and protect the belt for longer service life.
5. "T-Slot" extruded metal frame allows for the purpose fitting T bolts along the entire length of the bar.
6. Also available in Fire Resistant and Anti-Static (FRAS) impact barswhich complied with MDG3608, AS1334.10 and MT 113-1995 standards. Suitable for underground application.

Technical Specifications

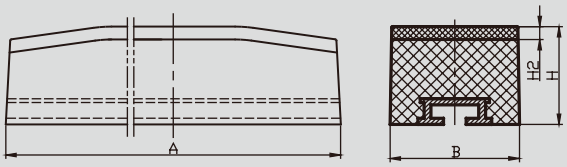
Item			Normal	High Elastic	Under Ground
UHMWPE	Color		Blue	Blue	Black
	Tensile Strength	MPa	23	23	20
	Elongation @ Break	%	300	300	250
	Hardness	Shore D	60-70	60-70	65-75
	Abrasion Loss		0.053	0.053	0.08
	Density	g/cm3	0.93-0.94	0.93-0.94	1.13
	Coefficient of Friction		0.07	0.07	0.1
Rubber	Hardness	Shore A	60-65	45-50	60-65
	Tensile Strength	Mpa	19	19	19
	Elongation @ Break	%	400	400	400
Metal Frame	Type		See Image Below		
Adhesion Strength	UHMWPE to Rubber	N/mm	⩾ 10	⩾ 10	⩾ 10
	Rubber to Metal Frame	N/mm	⩾ 10	⩾ 10	⩾ 10

Metal Frame Type



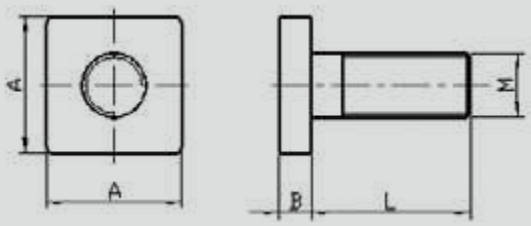
Aluminium (Normal Impact Bar) Steel (FRAS Impact Bar)

Impact Bar Size Table



Length A (mm)	Width B (mm)	Height H (mm)	Thickness H2 (mm)
1220	100	50~100	12.7/15
1400	100	50~100	12.7/15
1524	100	50~100	12.7/15
1600	100	50/75/100	12.7/15
1800	100	50/75/100	12.7/15

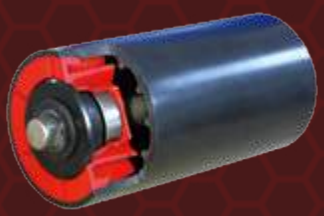
Impact Bar T-Bolt



A=34; B=8; M=16; L=40-60; L1=32-52.

Note:
1. T-Bolt Set include M16 Square Head Bolt,M16 Flat Washer,M16 Spring Washer and M16 Nyloc Nut.
2. Square Head T Bolt M16X40M16x50 and M16X60 are our standard sizes;longer length T bolts are also available on request.

Belt Conveyor Rollers

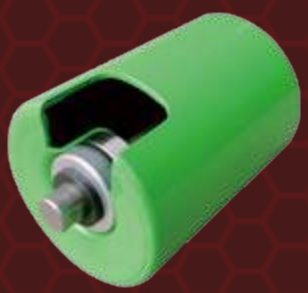


Plastic Roller

- Excellent wear-resistant and high strength HDPE materials provide the optimal solution to roller failure caused by corrosion and humidity.
- Patented distinctive multi labyrinth seal can block the dust and moisture from entering the bearing even further.
- Light weight and low rolling resistance feature can reduce the energy consumption of equipment up to 30%. Meanwhile, the product is much safer and more convenient to change.
- Good self-cleaning and extremely low coefficient of friction feature will reduce the materials leakage and wear on the conveyor belt effectively.
- The operation noise dramatically reduced by 10dB compare to steel rollers.
- Anti-static and UV-resistant properties meet International Standard.
- Anti-static and UV-resistant properties meet International Standards.
- Sizes are interchangeable with existing steel rollers.

Roller Diameter (mm)	Bearing No.	Suitable Belt Width (mm)
89	6204	400–2400
102	6204/6205	400–2400
108	6204/6205	400–2400
114	6204/6205	400–2400
127	6204/6205/6305/6206	400–2400
133	6204/6205/6305/6206	400–2400
140	6205/6305/6206	400–2400
152	6305/6206/6306/6207	400–2400
159	6306/6207/6308	400–2400

Steel Roller



- Adopt dedicated ratio-frequency welded tube.
- Labyrinth seal produces good anti-dust and anti-moisture feature.
- Adopt dedicated high quality ZZ double-sealed deep groove ball bearings.
- Retain high assembly accuracy, low rolling resistance coefficient, small radial and axial run-out, low noise and low vibration.

Roller Diameter (mm)	Bearing No.	Suitable Belt Width (mm)
76	6204	400–2400
89	6204/6205	400–2400
102	6204/6205/6305	400–2400
108	6204/6205/6305/6206/6306	400–2400
114	6204/6205/6305/6206/6306	400–2400
127	6204/6205/6305/6206/6306	400–2400
133	6205/6305/6206/6306	400–2400
140	6205/6305/6206/6306	400–2400
152	6205/6305/6206/6306/6207/6307	400–2400
159	6205/6305/6206/6306/6207/6307/6308	400–2400
194	6207/6307/6308	400–2400

Impact Roller

The rubber rings adopt high wear-resistant elastic rubber

Roller Diameter include rubber rings (mm)	Bearing No.	Suitable Belt Width (mm)
89	6204/6205	400-2400
108	6204/6205/6305/6206/6306	400-2400
133	6205/6305/6206/6306	400-2400
159	6205/6305/6206/6306/6207/6307/6308	400-2400

Rubber Disc Return Roller

The rubber discs adopt high wear-resistant elastic rubber

Roller Diameter include rubber discs (mm)	Bearing No.	Suitable Belt Width (mm)
89	6204/6205	400-2400
108	6204/6205/6305/6206/6306	400-2400
133	6205/6305/6206/6306	400-2400
159	6205/6305/6206/6306/6207/607/6308	400-2400

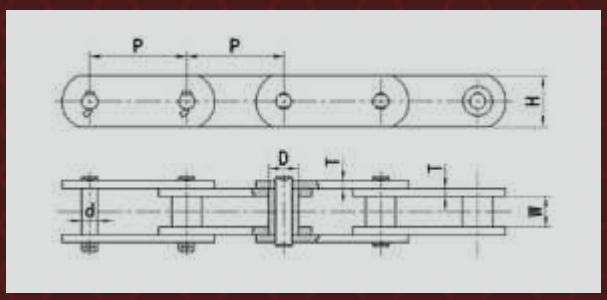
Spiral Self-Cleaning Roller

This product consists of a standard return roller with two spiral steel round bars welded on the steel tube in opposite directions (Left Hand and Right Hand), it has significant effect on cleaning the sticky materials on the belt.

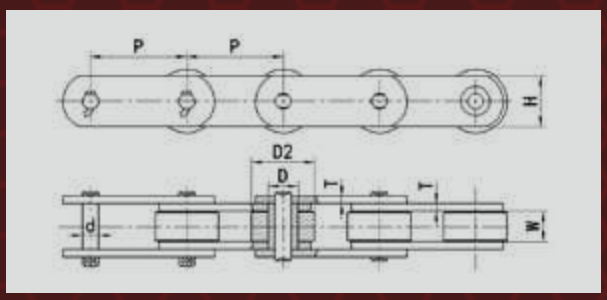
Roller Diameter include spirals (mm)	Bearing No.	Suitable Belt Width (mm)
89	6204/6205	400-2400
108	6204/6205/6305/6206/6306	400-2400
133	6205/6305/6206/6306	400-2400
159	6205/6305/6206/6306/6207/607/6308	400-2400

DRAG CONVEYOR COMPONENTS

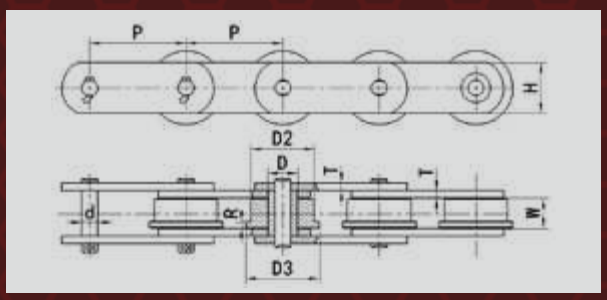
Imperial Roller Chain



Bush Roller Chain (B)



R Type Roller Chain (R)

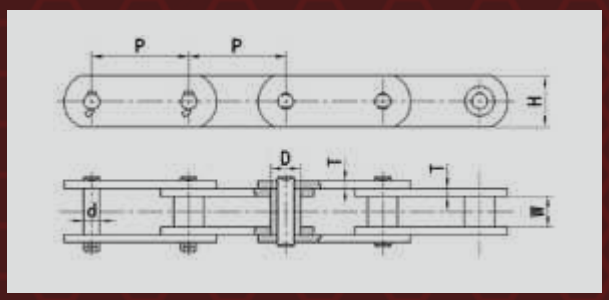


F Type Roller Chain (F)

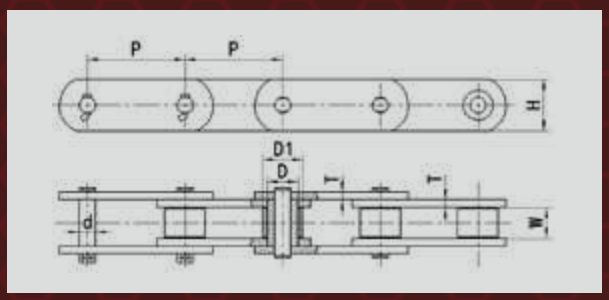
Rated Strength lb	Size	Pitch in(mm)	Width between inner plates (mm)	R Type Roller Diameter (mm)	Roller Flange Diameter (mm)	Flange Thickness (mm)	Bush Diameter (mm)	Pin Diameter (mm)	Plate (mm)	
		P	W	D2	D3	R	D	d	H	T
15000	C3 □ 404	3(76.2)	19	47.6	60.3	3.81	23.6	16	40	4
	C4 □ 404	4(101.6)								
	C5 □ 404	5(127)								
30000	C4 □ 526	4(101.6)	25.4	66.7	85. 7	6.35	33.2	20	52	6
	C5 □ 526	5(127)								
	C6 □ 526	6(152.4)								
60000	C6 □ 628	6(152.4)	38.1	88.9	114.3	8	38.1	24	62	8
	C7 □ 628	7(177.8)								
	C8 □ 628	8(203.2)								

Note: "□" under roller chain size needs to be substituted with B, R or F based on the actual required roller and bush type.

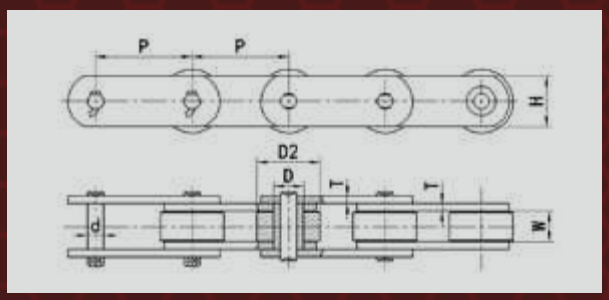
Metric Roller Chain



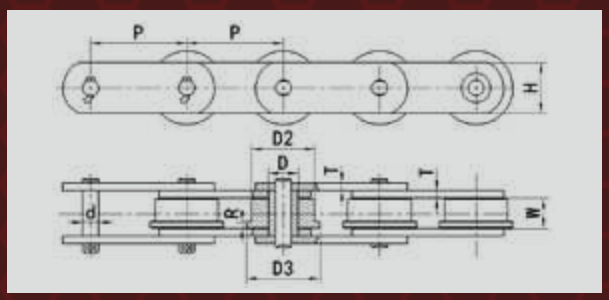
Bush Roller Chain (B)



S Type Roller Chain (S)



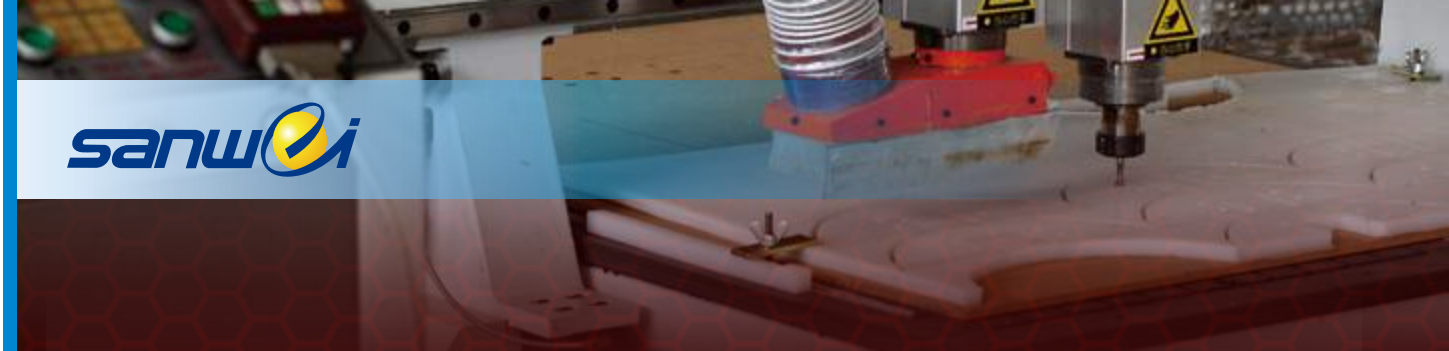
R Type Roller Chain (R)



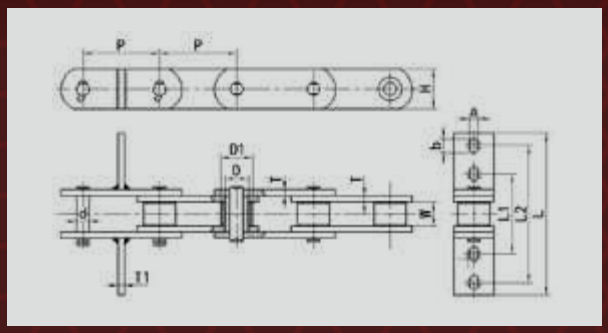
F Type Roller Chain (F)

Rated Strength KN	Size	Pitch (mm)	Width between inner plates (mm)		S Type Roller Diameter (mm)	R/F Type Roller Diameter (mm)	F Type Roller Flange Diameter (mm)	Flange Thickness (mm)	Bush Diameter (mm)	Pin Diameter (mm)	Plate (mm)	
		P	W		D1	D2	D3	R	D	d	H	T
90	C68S306	68	–	26	22.23	–	–	–	16.2	11.1	30	6
	C66.5 □ 306	66.5	▲ 19	26	30	38	48	3	22.2	12.7	30	6
	C80 □ 406	80	▲ 25	28	36	48	60	4	28	16	40	6
	C100 □ 406	100										
150	C100 □ 506	100	▲ 25	38	42	66	78	6	32	20	50	6
	C125 □ 506	125										
220	C125 □ 508	125	▲ 25	38	42	66	78	6	32	20	50	8
	C160 □ 508	160										
280	C125 □ 608	125	▲ 38	42	50	88	100	8	38	24	60	8
	C160 □ 608	160										
400	C160 □ 6510	160	▲ 38	48	50	88	100	8	38	24	65	10
	C200 □ 6510	200										
106.7	81X	66.27	27	–	23	–	–	–	16.2	11.1	28.6	4
152	81XH										31.4	6/8
191	81XHH										31.4	8

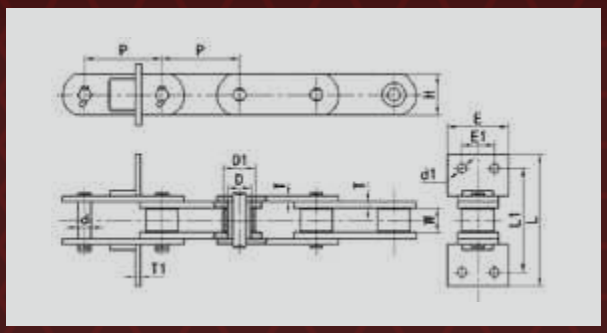
Note: 1.” ▲” means our recommended width between inner plates.
2. “□” under roller chain size needs to be substituted with B, S, R, or F based on the actual required roller and bush type.



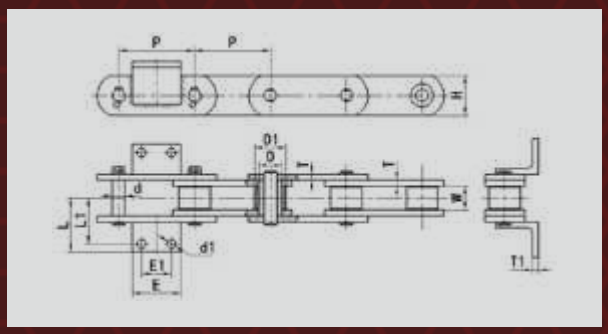
Flight attachments of both Imperial and Metric roller chains are available upon customer's drawing/specification. Please find the following samples for reference:



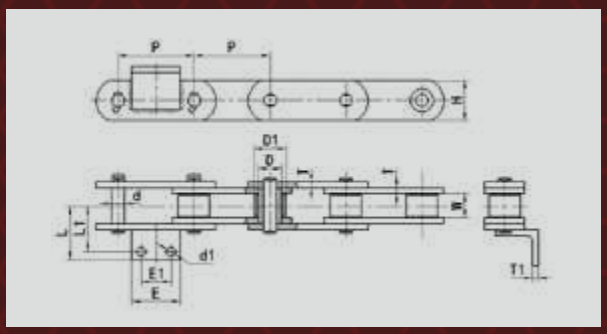
WF Series



WR Series



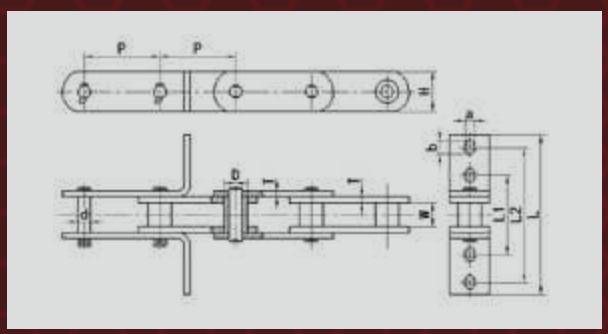
WK Series



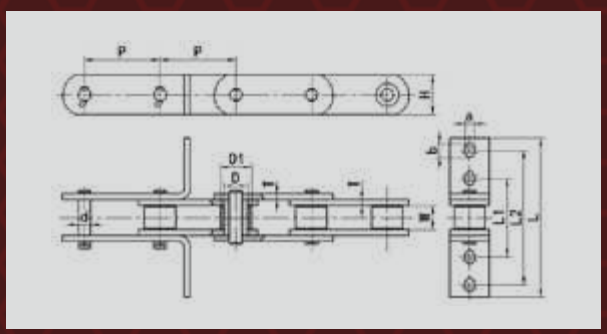
WKA Series

Integral Attachment Roller Chain F Series

F Series



Bush Roller Chain (B)

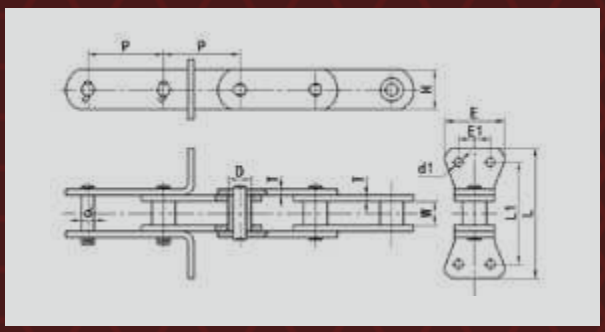


S Type Roller Chain (S)

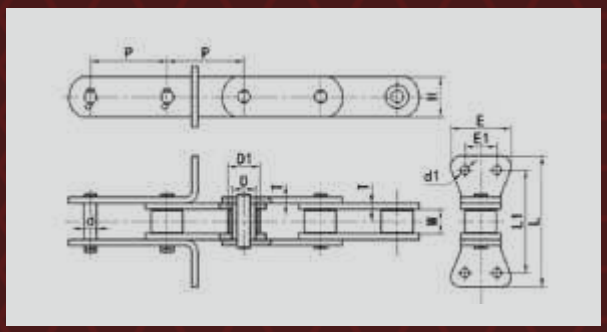
Rated Strength KN	Size	Pitch (mm)	Width between inner plates (mm)		Bush Diameter (mm)	Bush Diameter (mm)	Pin Diameter (mm)	Plate (mm)		Flight Attachment (mm)		
		P	W		D1	D	d	H	T	L	L1	L2
90	C66.5 □ 306-4LF1-160	66.5	▲ 19	26	30	22.23	12.7	30	6	160	102	–
	C66.5 □ 306-4LF2-230									230	95	195
	C66.5 □ 306-4LFH2-270									270	102	228
120	C80 □ 406-4LF1-160	80	▲ 25	28	36	28	16	40	6	160	102	–
	C100 □ 406-4LF1-170	100	▲ 25	28	36	28	16	40	6	170	115	–
	C100 □ 406-4LF2-225									225	104	194
	C100 □ 406-4LF2-294									294	115	245
	C100 □ 406-4LFH2-370									370	155	255
150	C100 □ 506-4LF1-170	100	▲ 25	38	42	32	20	50	6	170	115	–
	C100 □ 506-4LF2-225									225	104	194
	C100 □ 506-4LF2-294									294	115	245
	C100 □ 506-4LFH2-370									370	155	255
	C125 □ 506-4LF2-280	125	▲ 25	38	42	32	20	50	6	280	115	245
220	C125 □ 508-4LF2-285	125	▲ 25	38	42	32	20	50	8	285	155	255
	C160 □ 508-2LF2-385	160								385	130	330
280	C125 □ 608-2LF2-315	125	▲ 38	42	50	38	24	60	8	315	155	265
	C160 □ 608-2LF2-350	160								350	170	310
400	C160□6510-2LF2-385	160	▲ 38	48	50	38	24	65	10	385	130	330
	C200□6510-2LFH2-580	200								580	180	480

Note: 1.” ▲” means our recommended width between inner plates;
2. “□” under roller chain size needs to be substituted with B or S based on the actual required roller and bush type.

R Series



Bush Roller Chain (B)



S Type Roller Chain (S)

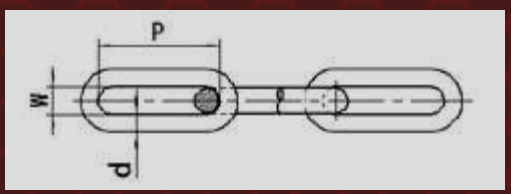
Rated Strength KN	Size	Pitch (mm)	Width between inner plates (mm)		Roller Diameter (mm)	Bush Diameter (mm)	Pin Diameter (mm)	Plate (mm)		Flight Attachment (mm)		
		P	W		D1	D	d	H	T	L	L1	d1
90	C66.5 □ 306–4LR2–130	66.5	▲ 19	26	30	22.23	12.7	30	6	130	102	9
	C68 □ 306–4LR2–122	68	–	26	22.23	16.2	11.1			122		
120	C 8 0 □ 406–4LR2–160	80	▲ 25	28	36	28	16	40	6	160	102	9
	C100 □ 406–4LR2–130	100								130		

Note: 1. “▲” means our recommended width between inner plates;
2. “□” under roller chain size needs to be substituted with B or S based on the actual required roller and bush type.

Round Link Drag Chain

Zinc Plated Round Link Chain

High precision in production. Tolerance of pitch and width between inner plates can be controlled within +/−0.4mm, ensuring the stable and reliable operation of the drag conveyor.

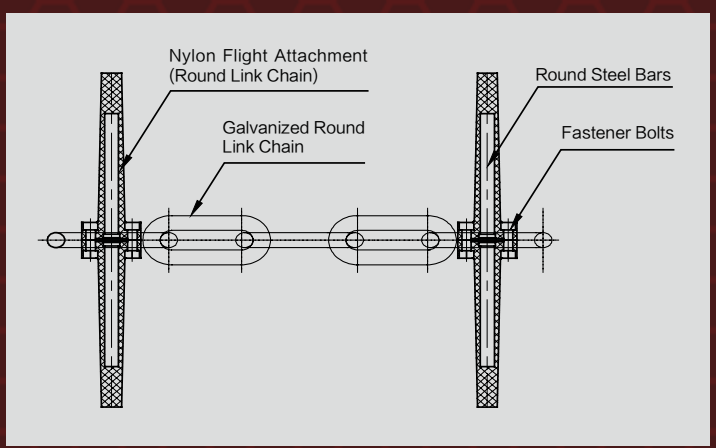


Size	Pitch (mm)	Inner Width (mm)	Diameter (mm)
	P	W	d
D10−55−13	55	13	10
D14−70−18	70	18	14

Round Link Drag Conveyor Specifications

Model		TGSH16	TGSH20	TGSH25	TGSH32	TGSH40
Max. Capacity (ton/hr)	Rice & wheat	20−30	40−60	50−80	100−140	200−240
	Flour	8−15	15−25	20−40	50−70	50−90
Round Link Chain		D10−55−13			D14−70−18	
Nylon Flight Attachment		72X45X34	90X45X34	112X45X34	150X54X42	190X54X42
PU Flight Attachment		155X48X6	195X48X6	245X48X6	310X60X6	390X60X6

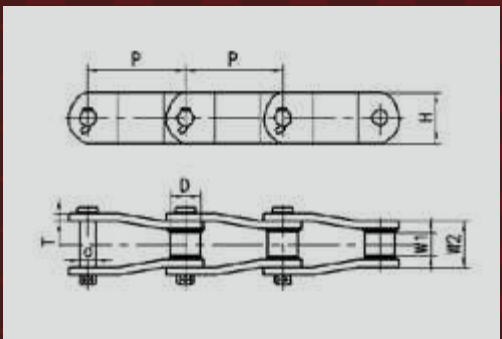
Attachment Sample



Attachment Sample Specification

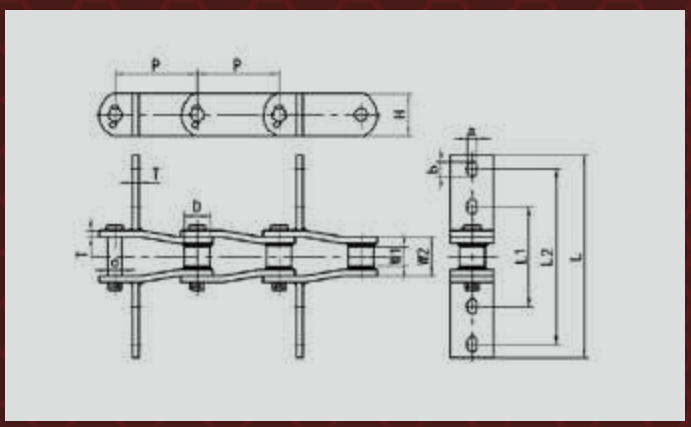
Nylon flight attachment is installed every four pitches and PU flight attachment is installed every four or six pitches.

Welded Steel Cranked Link Chain

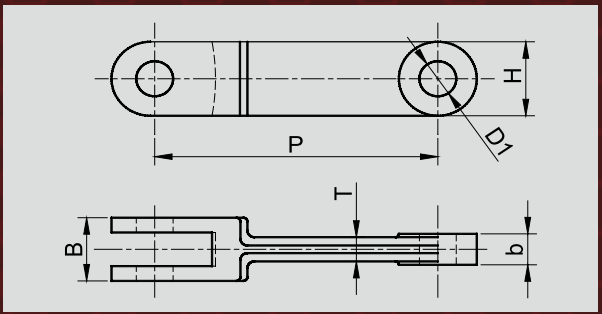


Rated Strength KN	Size	Pitch (mm)	Width between plates at inner ends (mm)	Width between plates at outer ends (mm)	Bush Diameter (mm)	Pin Diameter (mm)	Plate (mm)	
		P	W1	W2	D	d	H	T
132	W78.1B316	78.1	38.1	57.4	27	14.3	31.8	6.4
280	W101.6B389	101.6	41.3	69.9	31.75	19.05	38.1	9.5
378	W153.6B5012	153.6	76.2	114.6	44.45	25.4	50.8	12.7

Flight attachmentsare available upon customer's drawing/specification.
Please find the following sample for reference:

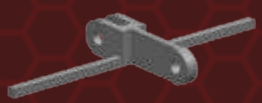


Drop Forged Chain

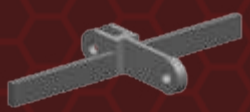


Rated Strength KN	Size	Pitch (mm)	Head Width (mm)	(mm)	Pin Diameter (mm)	Plate Height (mm)	Plate Thickness (mm)
		P	B	b	D1	H	T
140	P100	101.6	33	13	14	30	9
150	P125	125	34	17	17	35	8
270	P142	142	42	19	25	50	13
340	P142H	142	62	28	25	50	15
240	P160	160	48	22.5	20	40	20
200	P200	200	42	20	20	45	12
390	P200H	200	50	23	32	64	15

Flight attachments are available upon customer's drawing/specification.
Please find the following series for reference:



S Series



F Series

P Series

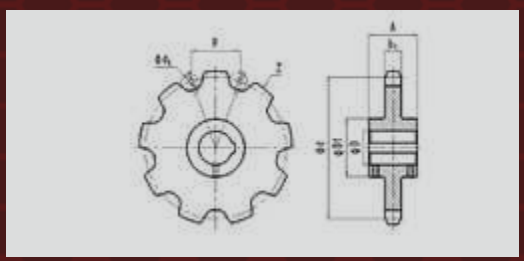
U Series

C Series

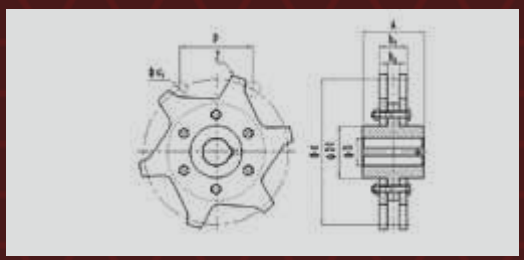
O Series

Sprocket

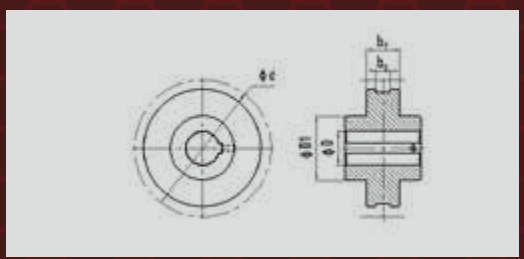
Roller Chain and Welded Steel Cranked Link Chain Sprocket



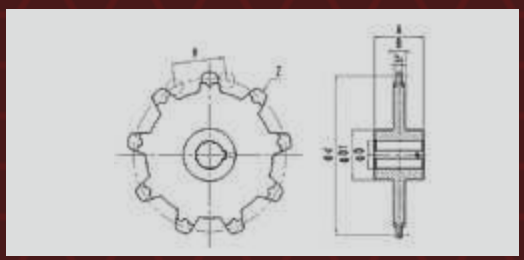
Forged Chain Sprocket



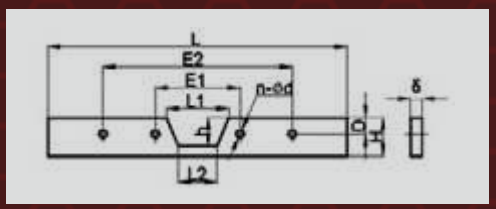
Forged Chain Tail Drum

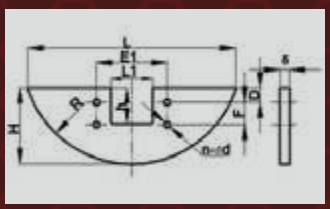


Round Link Chain Sprocket



Plastic Flight Attachment





Material

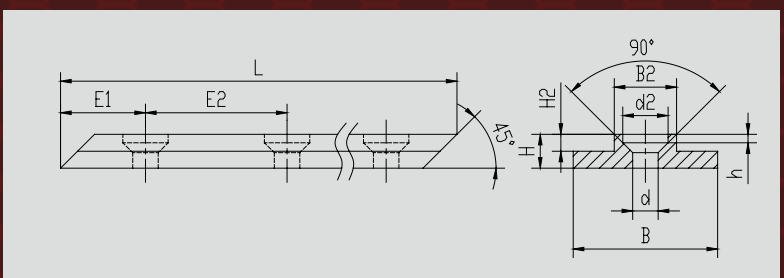
UHMWPE

Features

1. Customized from UHMWPE sheet by CNC machine upon request.
2. UHMWPE is low friction coefficient, excellent abrasion resistant and very cost-efficient.

Guide Rail

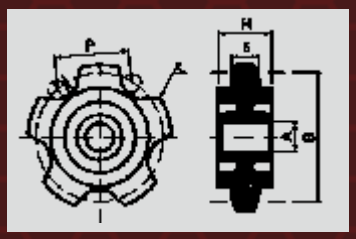
Customized from UHMWPE sheet with abrasion resistant, low friction and wear & noise reduction features.
Cost-efficient product to protect the belt or chain from damaging for increased service life.



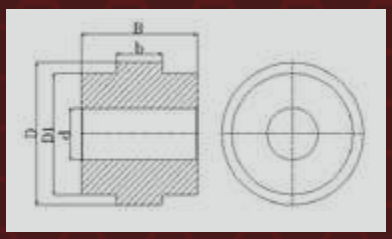
Specifications

Customized upon customer’s drawing/specification.

Nylon Gear & Wheel



Nylon Gear



Nylon Wheel

It is made from special reinforced Nylonwith better rigidity and strength compare with normal nylon. Excellent abrasion resistant and impact resistant product used for supporting uplink chain in chain conveyor, especially for long distance conveying.

Size	Pitch P	No. of Teeth Z	A	B	δ	H
TG38.1×7	38.1	7	ϕ18	ϕ87.8	12.5	25
TG38.1×8	38.1	8	ϕ26	ϕ99.3	20	50
TG63.5×5	63.5	5	ϕ20	ϕ108	17	45
TG66.5×4	66.5	4	ϕ20	ϕ94.05	25	57
TG66.5×5	66.5	5	ϕ20(25)	ϕ100	25	57
TG66.5×6	66.5	6	ϕ26	ϕ125	25	57
TG68×4	68	4	ϕ20	ϕ96.17	25	45
TG68×5	68	5	ϕ25	ϕ115.6	24	47
TG76.2×5	76.2	5	ϕ25	ϕ129.6	22.5	50
TG100×5	100	5	ϕ25	ϕ170.1	34.2	70
TG100×5B	100	5	ϕ25	ϕ170.1	25	57

Wheel	D	D1	d	B	b	
ϕ75xϕ20x70	75	65	20	70	25	–
ϕ90xϕ40.8x80	90	80	40.8	80	32	–
ϕ110xϕ40.5x90	110	94	40.5	90	36	–

SCREW CONVEYOR COMPONENTS

Continuous Screw Flights

Material

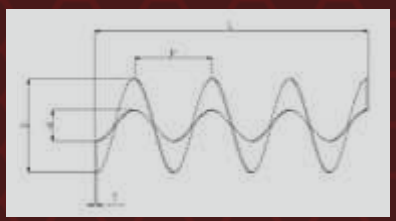
Carbon/Mild Steel

Features

1. Short production time, excellent overall rigidity and strength.
2. Easy to weld and assemble.
3. Although outer edge thickness is about 1/2 of inner edge thickness, the hardness of outer edge is almost doubled after cold rolled process; therefor it is much more wear-resistant than inner edge.

Specifications

Any size within the range of the following table is available.



Band Thickness T(mm)	Min. Inner Diameter d(mm)	Max. Outer Diameter D(mm)	Max. Band Width (D-d)/2 (mm)	Pitch/O.D. Ratio	Max O.D./I.D. Rati
3.0	20	500	165	0.6-1.3	4.0
3.5	20	500	165	0.6-1.3	4.0
4.5	28	500	165	0.75-1.3	4.0
5.0	28	500	165	0.8-1.3	4.0
6.0	40	500	165	0.8-1.2	4.0

Note: 1. The I.D. tolerance of continuous flight is within the range of customer required I.D. + 5mm, the max O.D. should not exceed three times the required I.D. 2.For all the thicknesses that are not listed above, customizations are available when reaching the minimum order quantity of raw materials.

Sectional Screw Flights

Features

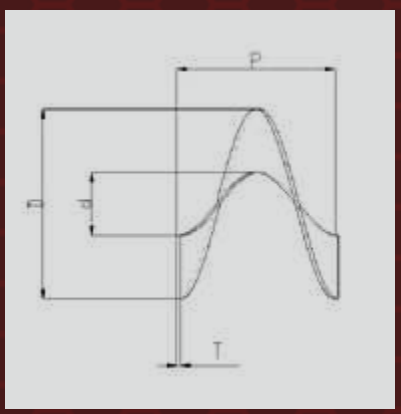
1. Our patented manufacturing process can meet special requirements such as forming various materials, wide thickness range, large diameters, ribbon, and tapered orvariable pitch flights. Flights can also be hard-faced or coated with wear-resistant materials.
2. Every sectional screw flight is produced in single pitch length with high precision consistent thickness between inner and outer edges.
3. Customization available upon request.

Material

Carbon/Mild Steel, Alloy Steel, Abrasion-resistant Steel, Stainless Steel.

Specifications

Any size within the range of the following table is available.



Pitch p (mm)	Min. Inner Diameter d(mm)	Max. Outer Diameter D(mm)	Coefficient K	Min. Outer Diameter (mm)	Thickness T (mm)
60 ~ 100	25	480	1	Min. Outer Diameter = Pitch* K	3 ~ 16
100 ~ 150	30	480	0.8		3 ~ 18
150 ~ 200	50	520	0.75		3 ~ 20
200 ~ 250	60	630	0.7		3 ~ 25
250 ~ 300	65	670	0.7		3 ~ 25
300 ~ 350	90	900	0.7		3 ~ 30
350 ~ 400	90	950	0.7		3 ~ 30
400 ~ 450	95	950	0.7		3 ~ 30
450 ~ 500	135	1150	0.7		3 ~ 35
500 ~ 550	150	1300	0.7		3 ~ 40
550 ~ 650	150	1350	0.7		3 ~ 40
650 ~ 750	200	1400	0.7		3 ~ 45
750 ~ 850	200	1450	0.7		3 ~ 50
850 ~ 950	250	1450	0.7		3 ~ 55
950 ~ 1050	300	1500	0.7		3 ~ 55
1050 ~ 1200	350	1600	0.8		3 ~ 55
1200 ~ 1250	400	1800	0.8		3 ~ 55
1250 ~ 1400	450	2000	0.8		3 ~ 55
1400 ~ 3000	480	3000	0.65		3 ~ 60

备注：1. If thickness is in the range of 20mm to 30mm, band width (OD-ID)/2 cannot exceed 400mm.
2. If thickness is in the range of 30mm to 40mm, band width (OD-ID)/2 cannot exceed 370mm.
3. If thickness is in the range of 40mm to 50mm, band width (OD-ID)/2 cannot exceed 350mm.
4. If thickness is in the range of 50mm to 60mm, band width (OD-ID)/2 cannot exceed 320mm.

Reinforced Screw Flights

Features

1. Outer ring thickness is greater than inner ring thickness.Commonly used as shaftless screw flights.
2. Compare with normal shaftless screw flight, the bend resistance, torque resistance and anti-stretching features of our product are even better
3. Reinforced screw flights work well and stably under extremely heavy &tough conditions. Reinforced outer ring is much thicker and more abrasion-resistant, which increases the flight service time.

Material

Carbon/Mild Steel, Alloy Steel, Stainless Steel.

Specifications

Customization available upon customer's drawing/specification.

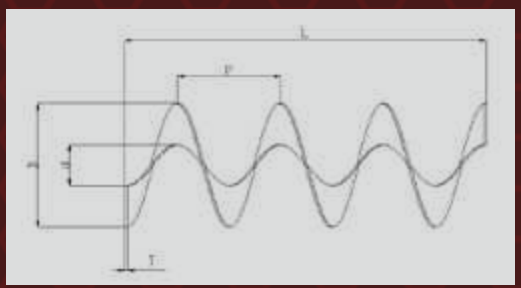
Continuous Equal Thickness Screw Flights

Features

1. Another patented process is developed by our own engineering team to overcome issues such as difficult forming when ratio (OD/Pitch) is less than 0.5 and high material wastage for small lot production.
2. The forming method of continuous equal thickness screw flights is the same as continuous cold rolled flights, whereas the thickness is consistent throughout the inner edge and outer edge.
3. High precision manufacturing process.

Material

Carbon/Mild Steel, Alloy Steel, Stainless Steel.



Specifications

Any size within the range of the following table is available.

Pitch p (mm)	Min. Inner Diameter d(mm)	Max. Outer Diameter D(mm)	Max. Band Width (D−d)/2(mm)	Thickness T (mm)
30 ~ 60	20	150	40	2 ~ 10
60 ~ 100	25	150	50	2 ~ 10
100 ~ 150	35	160	55	2 ~ 10
150 ~ 200	40	200	60	2 ~ 10

Complete Screw Flight Unit

Features

We are capable of welding the screw flights on the shaft as a complete unit. The complete unit is a component for screw conveyors and screw pile augers.

Material Carbon/Mild Steel, Alloy Steel, Abrasion−resistant Steel, Stainless Steel.

Specification Customization available upon customer's drawing/specification.

OTHER PRODUCTS

Sieve Cleaners

FDA approved Polyurethane (PU) (except cotton canvas pad) with good rebound resilience, superior abrasion resistant, moisture resistant, oil resistant and low temperature resistant features ensures long service life.

Small Triangle (QA15)

Unique outline and convex center, easy to bounce on sieve.

Brush Triangle (QM25)

While bouncing on the sieve, the brush also cleans it at the same time. Thus greatly increases cleaning efficiency.

Big Triangle (QA26)

Increased and thickened outline design provides more potential energy and better cleaning effects.

Rivet Rectangle (QDF38)

The combination of center rivet and thick outline gives this product more potential energy so it cleans the sieves even better.

Rivet Triangle (QD21)

Center rivet triangle is more convenient for moving and bouncing on the sieve.

Cotton Canvas Pad (QB32)

The cotton canvas protects the sieve even better and increases its usage life.

Pan Cleaners

FDA approved Polyurethane (PU) (except cotton canvas pad) with good rebound resilience, superior abrasion resistant, moisture resistant, oil resistant and low temperature resistant features ensures long service life.

Crisscross Type (TS32)

Optimized outline and soft structure suitable for small spacing sieve.

Small Quincunx (TM46)

Unique inner to outer shape minimize moving resistance, makes material move more smoothly.

Diamond Type (TL42)

Keeps its original shape and elasticity even used for long time, suitable for standard size sieve.

Big Quincunx (TM68)

Bigger size suitable for large size sieve.

Rectangle Type (TF55)

Suitable for standard size sieve and minimize damage to sieve frame.

Peach Type (TT55)

Round edge design, minimize damage to sieve, suitable for standard size sieve.

Triangle Type (TJ81)

Increased thickness for better work effectiveness and longer service life.

Sieve Cleaning Balls

Material

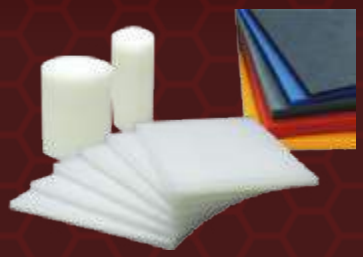
NB, SILICON, PU

Available Sizes

ϕ16mm、ϕ19mm、ϕ22mm、ϕ24mm、ϕ26mm、ϕ28mm、ϕ32mm、ϕ35mm、ϕ40mm、ϕ50mm

Item \ Material	Natural Rubber	Silica Gel	PU
Hardness (Shore A)	55 ~ 85	55 ~ 85	70 ~ 85
Working Temperature ℃	−25 ~ +100	0 ~ +120	−40 ~ +120
Oil Resistance	Ordinary	Ordinary	Good
Bounce	Good	Ordinary	Ordinary+
Abrasion Resistance	Ordinary+	Good	Excellent

UHMWPE/HDPE Sheet/Rod/Stripe



Ultra-High-Molecular-Weight-Polyethylene (UHMWPE) is thermoplastic engineering material, and its molecular weight can reach 4.5 to 9 million. It combines many characteristics such as abrasion-resistance, impact resistance/ absorption, chemical corrosion resistance, low temperature resistance and self-lubrication etc.

Features

1. Low coefficient of friction, high abrasion resistance.
2. Excellent chemical stability, corrosion resistance.
3. Odorless, tasteless, and nontoxic.
4. High impact resistance.
5. Good self-lubrication, does not absorb conveying materials.
6. Works well in wide temperature range (-150℃-85℃).
7. Low water absorption, no dimensional change in wet condition.

Classification

General Type: Molecular weight is 4.5 to 9 million, meet FDA and GB9687 standard.

Reinforced Type: Modified from general type, it has better temperature-resistance and high strength.

Anti-static Type: Black color, anti-static.

Specification

We can also CNC machine according to customer drawing/specification.

Name \ Size	Length (mm)	Width (mm)	Thickness (mm)	Outer Diameter (mm)
Sheet	2000-3080-4000	1220-1230	6.5-200	-
Rod	300-1000	-	-	30-200
Stripe	-	110	3	-

Properties

Category	Item	UHMWPE	ASMT Test Method
Physical	Relative Molecular Weight / Million	4.5-9.2	D2857
	Density / (g/ cm^3)	0.935	D1505
	Water Absorption / %	< 0.01	D570
	Friction Coefficient (no lubrication)	0.07-0.22	D1894
Mechanical	Tensile strength @ break / MPa	40-45	D638
	Elongation @ Break / %	300-400	D638
	Flexural Modulus / MPa	600	D747
	Izod Impact Strength / (KJ/m^2)	⩾ 140	D250
	Hardness / ShoreD	70	D2240
	Abrasion loss / (mg/1000 times)	70	D1175

Category	Item	UHMWPE	ASMT Test Method
Thermal	Melting Point / ℃	136	D2117
	Thermal Deformation / ℃	85	D648
	Linear Expansion Coefficient / 10−4℃ −1	1.5−2.5	D696
	Thermal Conductivity / (W/(m.k))	8.5	D177
Electrical	Volume Resistivity / (Ω.㎝)	10	D257
	Breakdown Voltage / (KV/mm)	50	D149
	Dielectric Constant	2.3	D150

PU Sheet

Feature

1. Good abrasion resistance, “Taber” loss value lower than Nylon and PTFE;
2. Hardness is adjustable, Shore hardness is in the range of A65−98;
3. Works well in wide temperature range: −40℃ ~ +80℃;
4. Oil−resistant, anti−corrosion, anti−aging. Better oil−resistant than rubber, excellent anti−ozone, longer service life;
5. Good rebound resilient and impact absorption. Widely used in abrasion−resistant lining, significantly reduce the materials breakage rate.

Specification

Length (mm)	Width (mm)	Thickness (mm)
2000	1000	3 ~ 40
4000	2000	10 ~ 25
550−2050	550−1050	6−100

Note: Cut to exact length/width upon request.

MC Nylon Tube/Rod/Sheet

MC Nylon is the material comes from the polyreaction processes that build low-molecular compounds together. Since the polyreaction process and moulding happen at the same time, the building period is extended long enough that the molecular weight is greatly increased. Plus, oil solutions is added into the process, MC Nylon not only keeps normal Nylon features, such as (normal Nylon building method can produce low molecular weight Nylon, but not high molecular weight ones due to difficulty forming caused by bad fluidity) light weight, easy to cut, and high strength, abrasion resistance, but also gains features like extremely abrasion-resistant, self-cleaning, high impact-resistant, and anti-compression. Therefore, commonly used in machinery manufacturing processes, such as manufacturing gears, bearings, bushings, guide rods, and friction sheets.

Specification

Name \ Size	Length (mm)	Width (mm)	Thickness (mm)	Outer Diameter (mm)
Tube	560-1000	-	⩾ 12	40-300
Rod	500-1000	-	-	10-250
Sheet	550-2050	550-1050	6-100	-

Properties

Item	Unit	Value
Density	g/cm^3	1.13-1.16
Water Absorption	%	1.5
Friction Coefficient		< 0.45
Rockwell Hardness	RHM	103-118
Tensile Strength	Mpa	⩾ 70
Elongation @ Break	%	30-320
Bending Strength	Mpa	⩾ 70
IZOD Impact Strength (no breaking)	k J/m^2	No Breaking
Linear Expansion Coefficient	$10^{-5}cm/cm℃$	8.3
Thermal Deformation Temperature (0.46Mpa)	℃	150
Breakdown Voltage	KV/mm	17.3-20.2

PTFE Sheet/Rod/Tube

Can be made from injection moulding or extrusion. Best chemical corrosion resistance, dielectric property, and high temperature resistance among known plastic material. Lowest friction coefficient among known solid material. Works (no load) in the temperature range of −180℃~+260℃.

Specification

Size / Sheet	Length (mm)	Width (mm)	Thickness (mm)	Outer Diameter (mm)
Sheet	300−1500	300−1500	1−60	−
Rod	300−1000	−	−	4−160
Rod	300	−	−	170−300
Tube	300	−	−	24−100

Performance

Item	Unit	Value
Density	g/cm^3	2.2−2.3
Water Absorption	%	< 0.01
Working Temperature	℃	180~260
Friction Coefficient		< 0.1
Hardness	Shore D	50−65
Tensile Strength	Mpa	⩾ 14
Elongation @ Break	%	⩾ 200
Linear Expansion Coefficient	10^{-5}cm/cm℃	10.5
Thermal Deformation Temperature (0.46Mpa)	℃	121
Dielectric Strength	KV/mm	18.8−20.5

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Version Number：201601