



New Hengtong



PRODUCT MANUAL

BUCKET ELEVATOR COMPONENTS
DRAG CONVEYOR COMPONENTS
SCREW FLIGHTS
BELT CONVEYOR COMPONENTS
PARTS FOR SIEVES & SCREENS
UHMWPE/HDPE/NYLON/PTFE PRODUCTS

New Hengtong

Zhenjiang New Hengtong Conveying Equipment Co., Ltd.

Brief introduction



Zhenjiang New Hengtong Conveying Equipment Co., Ltd. specializes in researching, exploiting and manufacturing granular material handling components, grain processing machinery components and engineering plastics. We have passed ISO9001:2000 international quality system certification.

Our company manufacture more than 20 types of products such as Plastic Elevator Buckets, Steel Buckets, Elevator Belts, Conveyor Belts, Drag Conveyor Chains, Plastic Drag Conveyor Flights, Gear Wheels, Screw Flights, Elephant Trunks, UHMWPE Sheet and UHMWPE Gears. Over the years, with solidarity, sincerity, and innovation as spirit, Hengtong has continuously developed new products for demand. Now, our products are widely used in grain machinery manufacture, edible oil, feed, starch, brewing, chemical and other industries for processing and storing.

Our products are best seller all over the country and have sold to America, Europe and East and South Asia. Our products gained a good reputation for quality and dependability and are trusted by our consumers. Now we keep good partnership with many famous corporations, such as GSI Muyang, Zhenchang, Hope Group, Charoen Pokphand Group, Industrial Page, Cargill, Buhler, Yihai Kerry etc.

Zhenjiang New Hengtong Conveying Equipment Co., Ltd own one branch company for international business. It is Zhenjiang New Hengtong Import & Export Co., Ltd.

Our company absorbs up-to-date managing conception and pattern, and adopts advanced Enterprise Resource Planning (K3/ERP), Client Relations Management (CRM) and Office Automation (OA) etc. to upgrade company's integrated ability in circulation of material, cash, information and business management that provides a favorable guarantee for meeting customer's needs and improving the satisfaction degree of customers.

According to your demand, we will continue to provide quality products. More enthusiastic, considerate, and efficient service is our never-ending pursuit. We pursue Honest Management and cooperation with win-win Business Concepts to work together with you.





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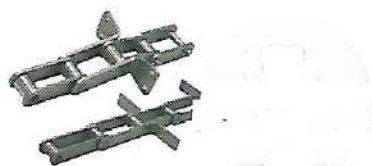
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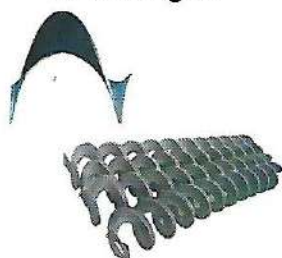
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Elevator Bucket

◆State:

- Over 10 different bucket styles are available for agricultural and industrial applications
- Our bucket are well regarded, worldwide for high price/quality ratio.
- Good service, we will solve any problems of elevator buckets for you.
- A direct replacement for many other international brands.

◆Technical Index

Item \ Material	HDPE	Nylon	UHMWPE	PU	Mid Steel	Stainless
Cost	1	3	3	4	2	4
Wear Resistance	1	2	3	4	3	4
Impact Resistance	1	2	2	2	2	2
FDA Food Approved	✓	✓	✓	×	×	✓
Max Temp°C Continuous	70	100	70	60	180+	250+
Max Temp°C Peak	80	120	80	70	220	400

Remark: Code 1=low 4=high

●HDPE:

Cheap cost, light weight, tough and flexible, suitable for handling grains, foodstuffs, and other products with no sharp edges.

●Nylon:

Hot, abrasive and sticky products (FDA approved), high Impact and abrasion resistance, better heat resistance and are well suited for handling hot, abrasive and sticky products.

●UHMWPE:

Extremely abrasion resistance, corrosion Resistant, impact absorbing properties, low temperature resistant, sanitary (FDA approved), Non-caking and sticking, non water absorption, light weight properites. Higher cost performance products.

●PU:

Extremely abrasion resistance, tough and flexible, and are suitable for handling sharp, cutting and sticky products.

●Mid Steel:

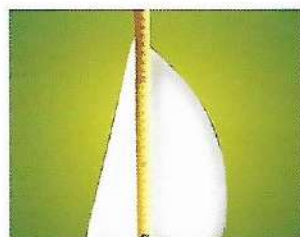
General purpose, long life, well suited to agricultural and industrial products.

●Stainless:

Food grade, corrosive resistance, suitable for food and high temperature applications.



A



B



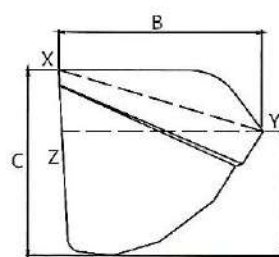
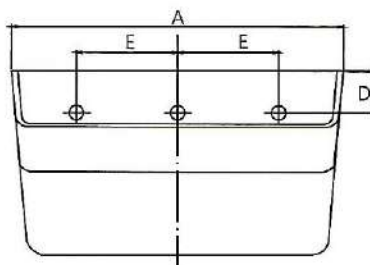
C



H

Deep Bottom Bucket

www.zjxhtss.com



◆Material:

HDPE/NYLON/PU/UHMWPE

◆Features:

- Deep bottom elevator bucket for agricultural use.
- Ideal for handling grains, feeds, fertilizers, seeds, salt and chemicals, etc.

◆Usage:

- Suitable for high-speed centrifugal discharge.
- Recommended minimum bucket spacing: width of the bucket projection "B"+25mm, which can be appropriately reduced according to elevator capacity requirement.
- Recommended elevator line speed $\leq 2.5\text{m/s}$.
- Recommended using "(Z-Y)+10%" as the available capacity for engineering design.

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity			Remark
								L (X-Y)	L (Z-Y) +10%	L (Z-Y)	
LS6626	669	260	250	55	100	6	13	21.00	17.09	15.54	Drilling is according to customer's need
LS5121	519	225	210	55	90	6	9	13.68	12.18	11.07	
LS4822	480	217	210	55	95	5	9	12.00	9.82	9.00	
LS4621	460	220	200	55	95	5	9	11.70	9.57	8.70	
LS4121A	418	220	200	55	85	5	9	10.40	8.77	7.97	
LS4118A	419	190	180	50	85	5	9	8.40	5.64	5.13	
LS3621A	365	220	200	55	95	4	9	8.50	7.10	6.45	
LS3518	358	190	180	55	95	4	9	6.80	5.09	4.63	
LS3121A	315	220	200	55	85	4	9	7.40	6.12	5.56	
LS3118	315	190	175	45	85	4	9	5.10	3.52	3.20	
LS3116A	313	168	154	45	80	4	9	4.40	3.09	2.81	
LS3114	312	147	146	45	80	4	9	3.26	2.30	2.09	
LS2919A	295	197	178	50	75	4	9	5.80	4.72	4.29	



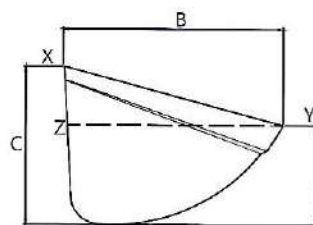
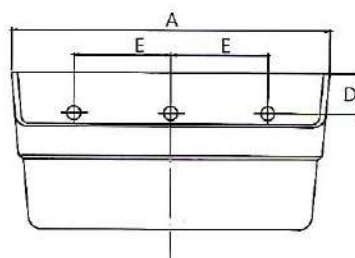
◆ Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity			Remark
								L (X-Y)	L (Z-Y) +10%	L (Z-Y)	
LS2916	297	170	155	45	110	3	9	4.00	2.77	2.52	Drilling can be made according to customer's demand.
LS2823	289	230	190	55	100	3	9	6.70	4.85	4.41	
LS2816A	282	168	154	45	100	3	9	3.70	3.01	2.74	
LS2814A	280	140	139	40	100	3	9	2.70	1.87	1.70	
LS2812	282	125	130	40	100	3	9	2.40	1.78	1.62	
LS2616A	266	166	154	45	90	3	9	3.30	2.30	2.09	
LS2316A	238	166	154	45	85	3	9	3.00	1.85	1.68	
LS2314A	235	140	130	40	85	3	9	2.27	1.60	1.45	
LS2312	235	125	125	40	140	2	9	1.90	1.32	1.20	
LS2014A	208	140	120	40	120	2	9	1.80	1.21	1.10	
LS2010	202	102	98	20	120	2	7	0.91	0.66	0.60	
LS1814A	188	140	130	40	120	2	9	1.70	1.49	1.35	
LS1812A	188	125	115	40	120	2	9	1.30	0.73	0.66	
LS1613	164	139	124	40	90	2	7	1.40	1.12	1.02	
LS1612	165	120	110	40	90	2	7	1.05	0.68	0.62	
LS1511A	150	114	100	35	80	2	7	0.90	0.62	0.56	
LS1508	152	84	78	18	76	2	7	0.72	0.50	0.45	
LS1311	134	115	94	35	60	2	7	0.75	0.56	0.51	
LS1311A	134	115	94	35	60	2	7	0.75	0.56	0.51	
LS1309	130	90	80	25	60	2	7	0.50	0.25	0.23	
LS1307	130	75	80	25	60	2	7	0.40	0.24	0.22	
LS1109	116	92	85	25	60	2	7	0.42	0.30	0.27	
LS1009	100	90	93	24	50	2	7	0.40	0.29	0.26	
LS1009A	106	92	88	25	50	2	7	0.42	0.29	0.26	
LS0807	90	75	64	20	50	2	7	0.25	0.15	0.14	
LS0705	78	55	71	20	40	2	7	0.16	0.07	0.06	
LS4311	435	105	152	25	100	4	7	2.20	1.82	1.65	Just for peanut industry
LS3311	330	105	152	25	85	3	7				
LS2511	250	105	152	25	80	3	7				
LB2607	260	70	70	35	170	2	9				Just for grilled threshing machine
LB3307	325	70	70			2	9				

● "A" means that reinforced front lip and side, long life prolong 1.3 times compare to general bucket.

Shallow Bottom Bucket

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◆Material:

HDPE/NYLON/PU/UHMWPE

◆Features:

- Shallow bottom elevator bucket for agricultural use.
- Ideal for handling grains, feeds, fertilizers, seeds, salt and chemicals, etc.

◆Usage:

- Suitable for high-speed elevator or light bulk material lifting.
- Recommended minimum bucket spacing: width of the bucket projection "B"+25mm, which can be appropriately reduced according to elevator capacity requirement.
- Recommended elevator velocity $\leq 3.5\text{m/s}$.
- Recommend using "Z-Y+5%" as usable capacity for engineering purpose.

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity			Remark
								L (X-Y)	L (Z-Y) +10%	L (Z-Y)	
LQ5626A	569	260	170	50	115	5	11	15.00	12.35	11.75	Drilling can be made according to customer's demand.
LQ4726A	470	260	170	50	95	5	9	11.50	9.87	9.40	
LQ4723	475	230	164	45	95	5	9	10.00	8.51	8.10	
LQ4423	447	230	165	45	90	5	9	9.20	7.67	7.30	
LQ3917	393	170	130	40	100	4	9	5.00	3.41	3.25	
LQ3823A	382	230	165	45	100	4	9	8.70	7.04	6.70	
LQ3325	339	259	170	45	85	4	9	8.50	6.88	6.55	
LQ3321	337	215	140	40	85	4	9	5.50	3.89	3.70	
LQ3216A	330	165	111	35	80	4	9	3.23	2.36	2.25	
LQ3118A	315	188	123	35	100	3	9	4.25	3.33	3.17	
LQ2824A	289	244	166	45	100	3	9	6.40	5.88	5.60	
LQ2817A	290	178	120	40	90	3	9	3.35	2.63	2.50	
LQ2816A	290	167	108	35	90	3	9	2.65	2.31	2.20	
LQ2815A	285	155	91	30	90	3	9	2.20	1.86	1.77	
LQ2814A	286	140	103	35	90	3	9	2.05	1.59	1.51	

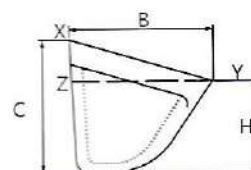
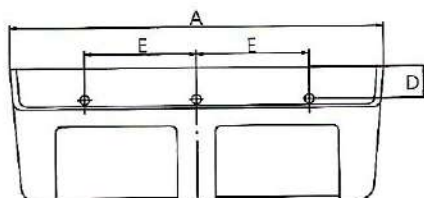
Shallow Bottom Bucket

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity			Remark
								L (X-Y)	L (Z-Y) +10%	L (Z-Y)	
LQ2616	260	167	144	50	80	3	9	2.20	1.31	1.25	Drilling can be made according to customer's demand.
LQ2417A	248	178	120	40	120	2	9	2.60	2.29	2.18	
LQ2316	238	160	102	35	120	2	9	1.90	1.38	1.31	
LQ2315A	235	155	91	30	120	2	9	1.78	1.49	1.42	
LQ2314A	235	140	96	35	120	2	9	1.68	1.31	1.25	
LQ2312	234	125	95	35	120	2	9	1.50	1.16	1.10	
LQ1914	190	145	115	35	110	2	9	1.60	1.26	1.20	
LQ1814	186	140	87	30	100	2	9	1.13	0.82	0.78	
LQ1613A	165	135	82	25	90	2	9	0.96	0.76	0.72	
LQ1312A	138	120	91	30	60	2	7	0.80	0.64	0.61	
LQ1311	136	114	72	25	60	2	7	0.50	0.32	0.30	
LQ1009	106	90	59	20	50	2	7	0.26	0.22	0.21	

● "A" means that reinforced front lip and side, long life prolong 1.3 times compare to general bucket.

D Style Bucket



◆Material:

HDPE/NYLON/PU/UHMWPE

◆Features:

- Deep bottom bucket for agricultural use.
- Optimized bucket design:
 - Thicker leading edges for increased abrasion resistance
 - Reinforced ribs for greater structural integrity
 - Optimum discharge angle
 - Large water level for higher capacity
- Ideal for handling grains, feeds, fertilizers, seeds, salt and chemicals, etc.

◆Usage:

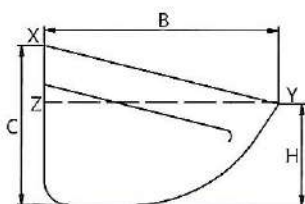
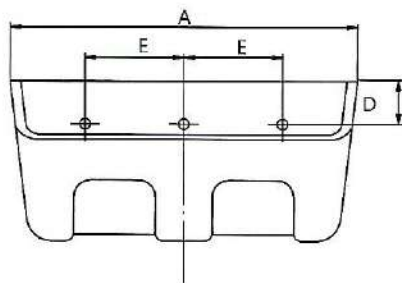
- Suitable for high-speed centrifugal discharge.
- Recommended minimum bucket spacing: width of the bucket projection "B" + 25mm, which can be appropriately reduced according to elevator capacity requirement.
- Recommended elevator velocity $\leq 2.5\text{m/s}$.
- Recommend using "Z-Y+10%" as usable capacity for engineering purpose.

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity		
								L (X-Y)	L (Z-Y) +10%	L (Z-Y)
D4X3	107	81	75	22	50	2	7	0.32	0.28	0.25
D5X4	133	113	106	32	60	2	7	0.85	0.65	0.59
D6X4	159	108	103	32	90	2	7	0.87	0.72	0.65
D7X4	184	108	103	32	120	2	9	1.04	0.83	0.75
D6X5	168	140	130	40	90	2	9	1.48	1.21	1.10
D7X5	192	140	130	40	120	2	9	1.73	1.32	1.20
D8X5	211	140	130	40	120	2	9	1.92	1.55	1.41
D8x6	211	168	154	45	120	2	9	2.83	2.28	2.08
D9X5	237	140	130	40	85	3	9	2.41	1.93	1.75
D9X6	237	168	154	45	85	3	9	3.23	2.57	2.34
D10x5	266	140	130	40	90	3	9	2.60	2.10	1.91
D10X6	266	168	154	45	90	3	9	3.62	2.84	2.58
D11X5	289	140	130	45	100	3	9	2.75	2.21	2.01
D11X6	287	168	154	45	100	3	9	4.01	3.11	2.83
D12x5	313	140	130	45	85	4	9	2.96	2.32	2.11
D12X6	313	168	154	45	85	4	9	4.44	3.48	3.16
D22x8	582	230	205	55	100	6	9	15.30	13.33	12.12
D13X6	338	168	154	45	85	4	9	4.74	3.78	3.44
D14X6	368	168	154	50	95	4	9	5.08	4.15	3.77
D9X6-1/2	230	180	180	45	85	3	9	3.67	2.78	2.53
D11X6-1/2	280	180	180	45	100	3	9	4.62	3.52	3.20
D10X7	269	197	180	50	90	3	9	4.83	4.07	3.70
D11X7	287	197	180	45	100	3	9	5.39	4.35	3.95
D12X7	326	197	180	45	85	4	9	5.81	4.79	4.35
D13X7	343	197	180	45	90	4	9	6.52	5.58	5.07
D14X7	373	197	180	50	95	4	9	6.90	5.74	5.22
D15X7	392	197	180	50	100	4	9	7.61	6.68	6.07
D16X7	427	197	180	48	85	5	9	7.94	6.95	6.32
D11X8	280	220	216	55	65	4	9	6.52	5.40	4.91
D12X8	331	222	206	55	85	4	9	7.45	6.35	5.77
D12-1/2X8	330	220	216	55	85	4	9	7.88	6.55	5.95
D14X8	378	222	206	55	95	4	9	8.76	7.56	6.87
D14-1/2X8	380	220	216	55	75	5	9	9.24	7.69	6.99
D15X8	392	222	206	55	80	5	9	9.47	8.73	7.94
D16X8	434	222	206	55	85	5	9	10.38	8.91	8.10
D18X8	473	222	206	55	95	5	9	11.50	9.98	9.07
D20X8	520	225	210	55	90	6	9	13.11	11.66	10.60
D24X10	637	290	263	60	89	7	11	24.90	21.78	19.80
D16X9	430	260	260	65	68	6	11	14.57	12.10	11.00



S Bucket



◆Material:

HDPE/NYLON/PU/UHMWPE

◆Features:

- Shallow bottom elevator bucket for agricultural use.
- Optimized bucket design:
 - Thicker leading edges for increased abrasion resistance.
 - Reinforced ribs for greater structural integrity.
 - Optimum discharge angle.
 - Large water level for higher capacity.
- Ideal for handling grains, feeds, fertilizers, seeds, salt and chemicals, etc.

◆Usage:

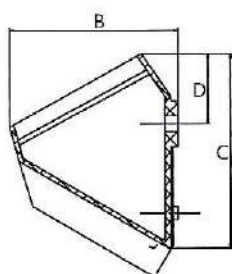
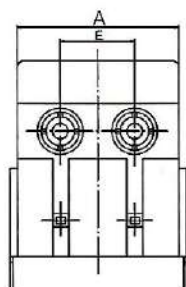
- Suitable for high-speed elevator or light bulk material lifting.
- Recommended minimum bucket mounting spacing: width of the bucket projection "B"+25mm, which can be appropriately reduced according to elevator capacity requirement.
- Recommended elevator velocity $\leq 3.5\text{m/s}$.
- Recommend using "Z-Y+5%" as usable capacity for engineering purpose.

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity		
								L (X-Y)	L (Z-Y) +10%	L (Z-Y)
S1613	165	135	82	25	90	2	9	0.96	0.76	0.72
S2314	235	143	96	30	120	2	9	1.68	1.28	1.22
S2315	235	155	91	30	120	2	9	1.78	1.49	1.42
S2814	285	143	96	30	90	3	9	2.08	1.59	1.51
S2815	285	155	91	30	90	3	9	2.20	1.86	1.77
S2816	290	165	108	35	90	3	9	2.65	2.31	2.20
S2821	285	219	145	45	100	3	9	5.03	3.76	3.58
S3216	330	165	111	35	80	4	9	3.23	2.36	2.25
S4121	420	219	145	45	110	4	9	7.58	5.70	5.42

Rice Milling Bucket

www.zjxhtss.com



◆Material:

HDPE/NYLON/PU/UHMWPE

◆Features:

- Continuous Discharge elevator bucket for agricultural use. Suitable for low speed discharge elevators with belt speed of 0.5~0.8mtrs/s.
- A perfect choice for products that are fragile or easily damaged. The low speed of discharge makes it an ideal bucket for moving products that need to be conveyed with minimal impact.
- Ideal for handling grains, feed, foodstuff and seeds, etc.

◆Usage:

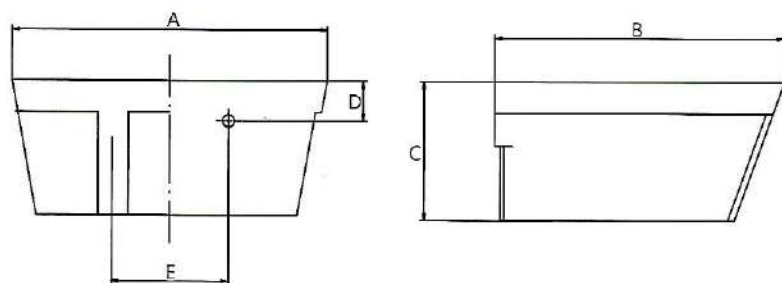
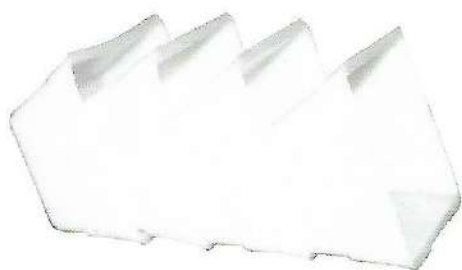
- Suitable for low-speed gravitational discharge.
- Recommended minimum bucket spacing: the height of the bucket back wall "C"+2mm.
- Recommended elevator velocity 0.5~0.8m/s.
- Recommend using "Capacity (L)" as usable capacity for engineering purpose.

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity L
LM2921	294	210	200	55	113	3	9	6.20
LM2313	230	138	136	44	125	2	7	2.21
LM2017	207	179	194	60	139	2	9	3.60
LM1715	175	156	176	52	113	2	9	2.50
LM1413	143	143	172	52	93	2	9	1.60
LM1010	105	110	129	48	50	2	9	0.70



No Bottom Bucket



◆Material:

HDPE/NYLON/UHMWPE

◆Features:

- Bottomless elevator Buckets for agricultural use.
- An assembly of several bottomless elevator buckets and one bucket with bottom is installed at a close spacing on the belt. This will allow materials to be conveyed continuously allowing larger capacity. Capacity will increase 1.5~2 times by using bottomless elevator buckets. Bottomless elevator buckets can be used at higher discharge speed.
- Ideal for handling grains, feeds, fertilizers, seeds, salt and chemicals, etc.

◆Usage:

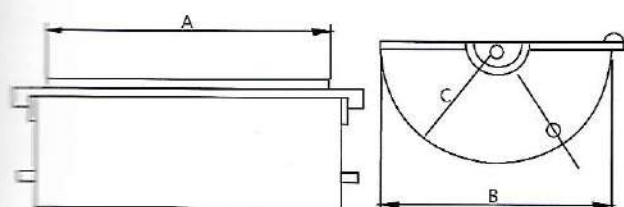
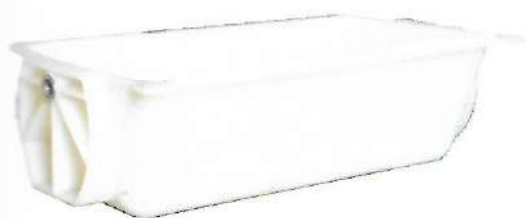
- Suitable for high-speed centrifugal discharge.
- Recommended minimum bucket spacing: Buckets spacing in one group "C" + 1mm; Bucket spacing between the groups - Bucket Projection "B" - Height of the back wall "C" + 25mm.
- Recommended elevator velocity $\leq 3.5\text{m/s}$.
- Recommend using "Capacity (L)" as usable capacity for engineering purpose.

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity L
LW1812	186	125	60	25	90	2	9	0.85
LW1311	130	110	45	18	70	2	7	0.36
LW1310	130	102	45	20	70	2	7	0.36
LW1109A	110	92	45	22	60	2	7	0.25
LW1109	110	92	50	20	60	2	7	0.21
LW0907	90	78	33	15	40	2	7	0.18
LW0706	72	62	30	14	30	2	7	0.08

Inductive Bucket

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◆Material:

HDPE/NYLON/UHMWPE

◆Features:

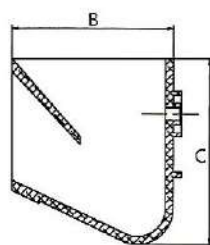
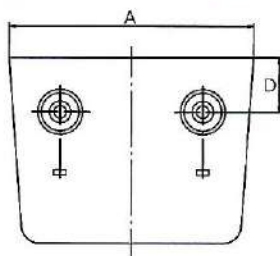
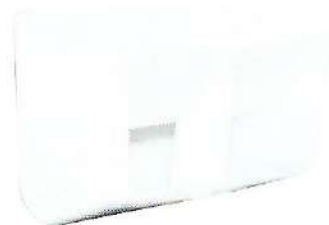
- Specially designed for chain conveyors with horizontal product transmission.
- Commonly used where there is a high demand for low damage to products where conventional elevator will not work or where there will be difficulties with loading and discharge of products.
- Ideal for handling grains, feeds, fertilizers, seeds, salt and chemicals, etc.

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	Capacity L
LL6323	632	236	120	11.00
LL4013	406	133	69	2.00
LL3921	390	218	120	5.20
LL3821	380	213	125	4.80
LL3319	330	198	103	4.00
LL3219	330	200	110	3.19
LL3115	310	150	75	2.30
LL2619	260	190	78.5	2.34
LL2412	246	122	60	1.20



Split Bucket



◆Material:

HDPE/NYLON/UHMWPE

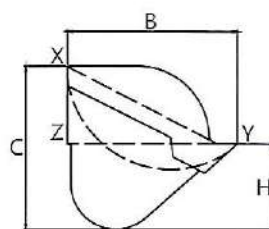
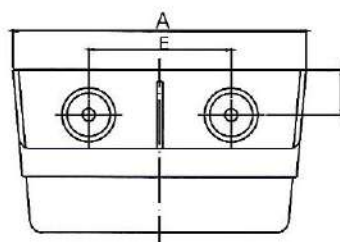
◆Usage:

- Suitable for high-speed centrifugal discharge.
- Recommended minimum bucket spacing: the width of the bucket projection "B" + 50mm.
- Recommended elevator velocity $\leq 3.5\text{m/s}$.
- Recommended a "Capacity L" as the available capacity for engineering design.

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity L	Remark
LG1812	185	120	120	40	120	2	9	2.00	Improved type, which can effectively reduce backlegging
LG1309	135	96	92	30	80	2	7	0.75	
LG1307	134	77	86	25	72	2	7	0.56	
LG1107	110	77	86	25	72	2	7	0.45	

Drying Bucket



◆Material:

HDPE/NYLON/UHMWPE

◆Features:

- Well suited to agricultural applications such as drying of rice, seeds and grains as well as any other products that have to be dried/treated for further processing.
- Ideal for handling grains, feeds, fertilizers, seeds, salt and chemicals, etc.

◆Usage:

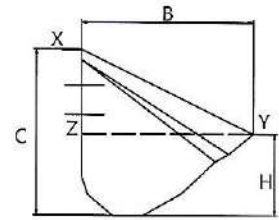
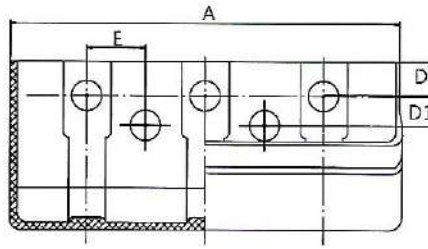
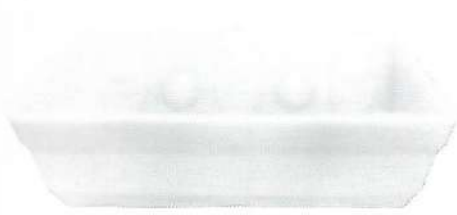
- Minimum bucket spacing: bucket projection "B" + 25mm.
- For engineering purposes, we recommend using "(Z-Y) + 10%" for usable capacity.
- Mounting holes can be customized on request.
- Venting holes are available in 5 patterns on request.

◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity		
								L (X-Y)	L (Z-Y) +10%	L (Z-Y)
LH2512	255	123	116	30	141	2	9	1.40	1.10	1.00
LH1910	197	100	87	17	65	3	7	0.74	0.34	0.31
LH1808	189	87	79	20	100	2	7	0.53	0.37	0.34
LH1409	147	94	87	20	96.5	2	7	0.42	0.21	0.19
LH1406	143	64	71	19	76	2	7	0.22	0.18	0.16
LH1106	116	62	62	13	63	2	7	0.17	0.11	0.10

Industrial Bucket

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◆Material:

HDPE/NYLON/PU/UHWPE

◆Features:

- Optimum industrial style elevator bucket with a heavy reinforced lip and corners and a thickened back wall for mounting strength.
- Well suited to conveying of ore, sand, gravel, coal, fertilizer, clay, salt, limestone and cements or any product.
- Weight reduction of up to 80% compared to traditional cast iron elevator buckets.
- Using less energy due to lighter material being used.
- Up to 25% more capacity than cast iron elevator buckets.
- Extended bucket and belt life, less maintenance, less elevator downtime.
- Cleaner discharge, reduced build-up in the bottom of the buckets.
- Non corrosive, non sparking, heat resistant, impact and abrasion resistant.

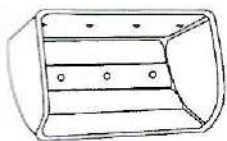
◆Technical specifications:

Model	A (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	E (mm)	Capacity (X-Y)
TD400	415	213	213	45	35	75	7.20
TD315	338	213	200	40	40	53.5	7.10
TD250	264	233	220	40	40	80	4.95

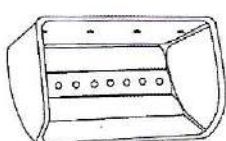
Elevator Bucket Venting

- A venting bucket can improve the efficiency of some bucket elevator buckets when handling certain products. On dense materials such as flour, meals and mash feeds, the vents allow air to escape through the cup as it fills, which permits the cup to fill more completely. During discharge, air can return through the cups as it empties, thus preventing a vacuum that could hold some of the products in the cup and cause backlegging.
- On extremely light materials such as alfalfa meal, screenings and bran, a vented bucket not only minimizes blowing of the product during loading and discharge, but also reduces air turbulence in the leg as the bucket travels empty down the return side of the elevator. A reduction in air currents minimizes the vacuum which can draw a light product through the down leg and back to the boot.

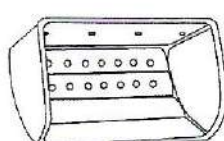
◆Venting options



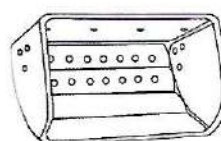
Vent Pattern 1
One row of 6mm or 8mm holes in body with same hole center and number of holes as mounting holes in back



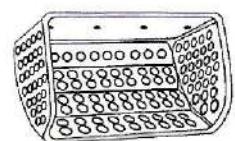
Vent Pattern 2
One row of 6mm or 8mm holes in body on 25mm centers



Vent Pattern 3
Two rows of 6mm holes in body on 25mm centers



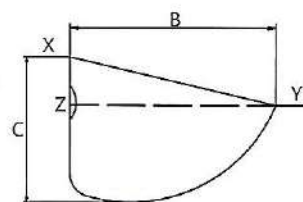
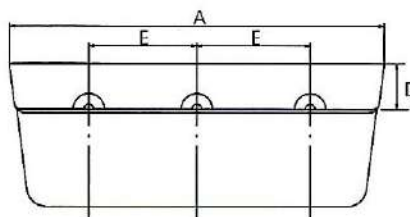
Vent Pattern 4
Two rows of 6mm or 8mm holes in body on 25mm centers, three holes of 6mm or 8mm on each side



Custom Vent
Vented as required



Deep Bottom Steel Bucket



◆ **Material:** carbon steel, stainless steel

◆ **Features:**

- Deep bottom style for higher capacity at closer bucket spacing.
- Monobloc pressed seamless construction. The Smooth inner and outer surface finish assist with a cleaner discharge of products.
- Well suited to high temperature applications, or where heavy products or sharp products are likely to be elevated.

◆ **Usage:**

- Suitable for high-speed centrifugal discharge.
- Recommended minimum bucket spacing: width of the bucket projection "B"+25mm, which can be appropriately reduced according to elevator capacity requirement.
- Recommended elevator line speed $\leq 2.5\text{m/s}$.
- Recommended using $“(Z-Y)+10\%”$ as the available capacity for engineering design

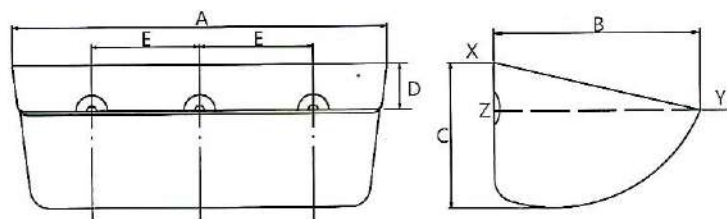
◆ **Technical specifications:**

Model	A (mm)	B (mm)	C (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity		
							L (X-Y)	L (Z-Y) +10%	L (Z-Y)
LBTS0807	90	78	55	50	2	7	0.21	0.18	0.26
LBTS1009	100	90	65	50	2	7	0.31	0.27	0.35
LBTS1109	110	90	68	60	2	7	0.35	0.30	0.38
LBTS1309	130	90	70	60	2	7	0.45	0.39	0.47
LBTS1311	139	112	85	60	2	7	0.65	0.56	0.64
LBTS1312	138	125	85	60	2	7	0.73	0.63	0.71
LBTS1409	140	90	70	60	2	7	0.55	0.47	0.55
LBTS1411	140	112	85	60	2	7	0.69	0.59	0.67
LBTS1511	155	113	90	80	2	7	0.94	0.81	0.89
LBTS1612	166	126	95	100	2	7	1.18	1.01	1.09
LBTS1613	166	135	95	100	2	7	1.21	1.04	1.12
LBTS1813	188	130	95	100	2	9	1.33	1.14	1.22
LBTS1814	188	142	115	100	2	9	1.49	1.28	1.36
LBTS1814A	183	146	110	100	2	9	1.35	1.16	1.24
LBTS1914	190	142	110	100	2	9	1.62	1.39	1.47
LBTS2014	203	142	115	100	2	9	1.70	1.46	1.54

Model	A (mm)	B (mm)	C (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity		
							L (X-Y)	L (Z-Y) +10%	L (Z-Y)
LBTS2313	238	130	105	120	2	9	1.76	1.51	1.59
LBTS2314	233	142	115	120	2	9	1.98	1.7	1.78
LBTS2314A	233	146	115	120	2	9	1.95	1.68	1.76
LBTS2316	236	162	125	120	2	9	2.18	1.87	1.95
LBTS2316A	238	166	130	120	2	9	2.44	2.10	2.18
LBTS2417	240	170	125	120	2	9	2.56	2.20	2.28
LBTS2614	265	140	110	150	2	9	2.61	2.24	2.32
LBTS2616	260	162	125	150	2	9	2.81	2.42	2.50
LBTS2813	288	130	112	100	3	9	2.44	2.10	2.18
LBTS2814	283	142	115	100	3	9	2.44	2.10	2.18
LBTS2814A	283	142	115	100	3	9	2.29	1.97	2.05
LBTS2816	283	168	130	100	3	9	3.17	2.73	2.81
LBTS2817	288	178	125	100	3	9	3.91	3.36	3.44
LBTS2818	290	183	142	80	3	9	3.87	3.33	3.41
LBTS2823	285	230	168	100	3	9	5.47	4.70	4.78
LBTS2916	290	168	130	100	3	9	3.28	2.82	2.9
LBTS3016	308	165	135	100	3	9	3.21	2.76	2.84
LBTS3021	310	215	165	100	3	9	5.70	4.90	4.98
LBTS3114	306	142	110	100	3	9	2.59	2.23	2.31
LBTS3118	315	190	155	75	4	9	4.18	3.59	3.67
LBTS3121	315	220	160	75	4	9	5.80	4.99	5.07
LBTS3216	320	160	135	80	4	9	3.65	3.14	3.22
LBTS3321	340	212	155	80	4	9	4.54	3.90	3.98
LBTS3325	340	255	150	80	4	9	6.84	5.82	5.96
LBTS3518	358	180	145	90	4	9	4.16	3.58	3.66
LBTS3621	365	220	160	90	4	9	7.14	6.14	6.22
LBTS3823	380	230	160	90	4	9	6.50	5.59	5.67
LBTS4118	415	190	145	95	4	11	6.45	5.55	5.63
LBTS4121	415	220	172	95	4	11	7.86	6.76	6.84
LBTS4216	450	160	135	90	4	11	6.72	5.78	5.86
LBTS4423	445	233	160	90	5	9	7.52	6.47	6.55
LBTS4621	460	220	160	85	5	11	8.84	7.60	7.68
LBTS4723	478	233	160	95	5	11	7.82	6.73	6.81
LBTS4626	460	260	205	95	5	11	7.87	6.77	6.85
LBTS5121	518	220	160	90	5	11	10.18	8.75	8.83
LBTS5626	560	260	170	105	5	11	11.90	10.23	10.31



Shallow Bottom Steel Bucket



◆ **Material:** carbon steel, stainless steel

◆ **Features:**

- Shallow bottom style for higher capacity at closer bucket spacing.
- Monobloc pressed seamless construction. The Smooth inner and outer surface finish assist with a cleaner discharge of products.
- Well suited to high temperature applications, or where heavy products or sharp products are likely to be elevated.

◆ **Usage:**

- Suitable for high-speed elevator or light bulk material lifting.
- Recommended minimum bucket spacing: width of the bucket projection "B", which can be appropriately reduced according to elevator capacity requirement.
- Recommended elevator line speed $\leq 3.5\text{m/s}$.
- Recommended using $"(Z-Y)+5\%"$ as the available capacity for engineering design.

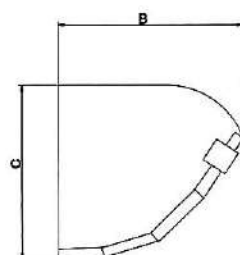
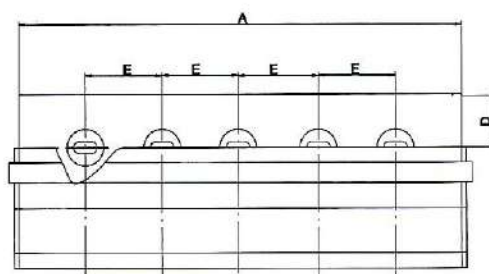
◆ **Technical specifications:**

Model	A (mm)	B (mm)	C (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity		
							L (X-Y)	L (Z-Y) +10%	L (Z-Y)
LBTQ0807	90	75	48	50	2	7	0.20	0.17	0.25
LBTQ1009	100	90	58	50	2	7	0.29	0.25	0.33
LBTQ1109	110	90	60	60	2	7	0.31	0.27	0.35
LBTQ1309	130	90	58	60	2	7	0.40	0.34	0.42
LBTQ1311	139	112	60	60	2	7	0.62	0.53	0.61
LBTQ1312	138	125	60	60	2	7	0.68	0.58	0.66
LBTQ1409	140	90	58	60	2	7	0.48	0.41	0.49
LBTQ1411	140	112	60	60	2	7	0.63	0.54	0.62
LBTQ1511	155	113	62	80	2	7	0.69	0.59	0.67
LBTQ1612	166	126	65	90	2	7	0.88	0.76	0.84
LBTQ1613	166	135	68	90	2	7	1.03	0.89	0.97
LBTQ1813	188	130	80	90	2	9	1.09	0.94	1.02
LBTQ1814	188	142	95	90	2	9	1.23	1.06	1.14
LBTQ1814A	183	146	95	90	2	9	1.20	1.03	1.11
LBTQ1914	190	142	88	90	2	9	1.36	1.20	1.25
LBTQ2014	203	142	90	90	2	9	1.64	1.41	1.49

Model	A (mm)	B (mm)	C (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity		
							L (X-Y)	L (Z-Y) +10%	L (Z-Y)
LBTQ2313	238	130	75	120	2	9	1.52	1.31	1.39
LBTQ2314	233	146	95	120	2	9	1.72	1.48	1.56
LBTQ2314A	233	162	100	120	2	9	1.72	1.48	1.56
LBTQ2316	236	162	100	120	2	9	1.52	1.31	1.39
LBTQ2316A	238	166	100	120	2	9	2.20	1.89	1.97
LBTQ2417	240	170	109	120	2	9	2.32	1.99	2.08
LBTQ2614	265	140	88	150	2	9	2.32	1.99	2.08
LBTQ2616	260	162	90	150	2	9	1.63	1.40	1.48
LBTQ2813	288	130	85	100	3	9	1.88	1.62	1.70
LBTQ2814	283	142	85	100	3	9	1.66	1.43	1.51
LBTQ2814A	283	142	95	100	3	9	1.90	1.63	1.71
LBTQ2816	283	168	115	100	3	9	2.77	2.38	2.46
LBTQ2817	288	178	100	100	3	9	3.18	2.73	2.81
LBTQ2818	290	175	100	100	3	9	3.18	2.73	2.81
LBTQ2824 ✓	290 ✓	183 ✓	115 ✓	80 ✓	3 ✓	9	3.42	2.94	3.02
LBTQ2916	290	158	115	100	3	9	2.86	2.46	5.54
LBTQ3016	308	162	100	100	3	9	2.94	2.53	2.61
LBTQ3018	305	183	125	100	3	9	4.26	3.66	3.74
LBTQ3021	310	215	142	100	3	9	5.31	4.57	4.65
LBTQ3114	305	143	82	100	3	9	1.89	1.63	1.71
LBTQ3118	315	180	110	75	4	9	3.53	3.04	3.12
LBTQ3121	320	220	130	75	4	9	5.15	4.43	4.51
LBTQ3216	320	160	100	80	4	9	3.28	2.82	2.9
LBTQ3321	336	212	135	80	4	9	4.15	3.57	3.65
LBTQ3325	340	255	130	80	4	9	9.41	8.09	8.17
LBTQ3518	358	180	110	90	4	9	3.40	2.92	3.00
LBTQ3621	365	220	120	90	4	9	6.61	5.68	5.76
LBTQ3823	380	230	125	90	4	9	5.93	5.10	5.18
LBTQ4118	415	190	115	95	4	11	5.73	4.93	5.01
LBTQ4121	415	220	125	95	4	11	7.07	6.08	6.16
LBTQ4216	420	160	110	90	4	11	6.08	5.23	5.31
LBTQ4423	445	233	148	90	5	9	7.02	6.04	6.12
LBTQ4621	460	220	125	85	5	11	8.38	7.21	7.27
LBTQ4723	475	233	148	95	5	11	8.38	7.21	6.52
LBTQ4626	460	260	195	95	5	11	7.58	6.52	6.60
LBTQ5121	518	220	125	90	5	11	9.60	8.26	8.34
LBTQ5626	560	260	153	105	5	11	11.34	9.75	9.83



Fabricated Steel Elevator Bucket



◆ **Material:** Carbon Steel / Stainless Steel

◆ **Features:**

- Manufactured by folding, punching, and welding.
- Well suited to hot applications or when extremely sharp products are carried in bucket elevators.
- Allow almost an infinite number of bucket designs to be realized, these could include thicker wear resistant leading edges, specialized bucket shapes and sizes, etc.

◆ **Using Recommendations**

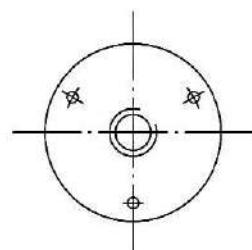
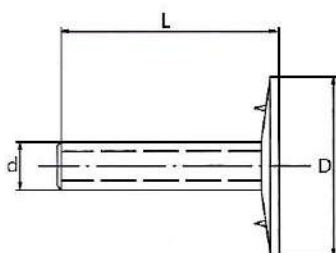
- Minimum bucket spacing: bucket projection "B" +25mm
- Mounting holes can be customized on request
- Venting holes are available in 5 patterns on request

◆ **Technical specifications:**

Model	A (mm)	B (mm)	C (mm)	E (mm)	Number of Holes	Hole Diameter (mm)	Capacity	
							Usable Capacity	Full Capacity
FSD2315	230	156	156	58	3	7	2.72	3.58
FSD2615	260	156	156	68	3	7	3.07	4.05
FSD2915	290	156	156	78	3	7	3.42	4.51
FSD3016	300	165	160	86	4	7	3.79	5.04
FSD3218	320	180	180	86	4	7	4.86	6.45
FSD3522	355	220	205	76	5	9	8.15	9.31
FSD3618	365	180	180	76	5	9	5.55	7.36
FSD3620	365	206	206	76	5	9	7.64	9.58
FSD4022	405	220	210	73	6	9	9.30	11.42
FSD4522	455	220	210	79	6	9	10.45	12.83

Elevator Bucket Bolt

www.zjxhtss.com



- ◆ **Material:** Carbon Steel , Stainless Steel
- ◆ **Thread precision:** 6g.
- ◆ **Intensity of Bolt:** 5.5 (ISO grade), 8.8 (Customization)
- ◆ **Surface:** Oxygenized、Zinc plated.
- ◆ **Useage:** Suitable for elevating light bulk material with low elevator velocity.
Recommend fit plastic bucket.
An economical choice

◆ Technical specifications:

Model	Screw Diameter (mm) d	Length (mm) L	Diameter of Head (mm) D	Quantity/Carton
M6 × 16	6	18	18	3600
M6 × 20	6	22	18	3000
M6 × 25	6	27	18	3000
M6 × 30	6	32	18	3000
M8 × 25	8	27	22	1200
M8 × 28	8	30	22	1200
M8 × 35	8	37	22	1200
M10 × 35	10	34	26	800
M10 × 40	10	42	26	800
M10 × 50	10	52	26	600

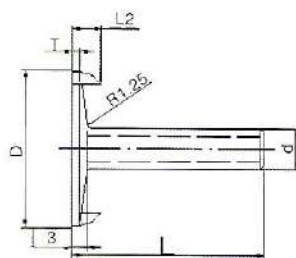
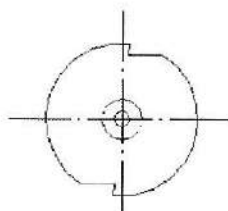
- ◆ **Remark:** Special size bolt can be customized once requested

◆ Recommended Use Table

Item	Specification	applicable thickness (Belt + Bucket)	Bucket Projection(B) (Deep bottom bucket/Shallow Bottom bucket) mm	Bulk Density of the Materials t/m ³	Elevator belt speed m/s
Elevator bucket bolt	M6 × 16	5-10	≤160/120	0.2-0.8	≤2.0
	M6 × 20-25	>10-16	≤160/190	0.2-0.8	≤2.5
	M6 × 30	5-10	≤120/140	0.2-0.8	≤2.5
	M8 × 28	8-17	≤165	0.2-1.0	≤2.5
	M8 × 35	>15-23	≤165	0.2-1.0	≤2.5



Fang Bolt (Tooth Bolt)



- ◆ **Material:** Carbon Steel , Stainless Steel
- ◆ **Thread precision:** 6g
- ◆ **Intensity of Bolt:** 5.8~6.8 (ISO grade), 8.8 (Customization)
- ◆ **Surface:** Oxygenized , zinc plated.
- ◆ **Usage:** Suitable for elevating bulk material with high gravity weight with high velocity.
To fit plastic elevator bucket or steel bucket, especially suitable for fitting bucket with big capacity.

◆ Technical specifications:

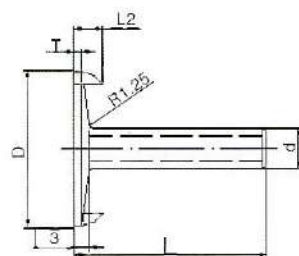
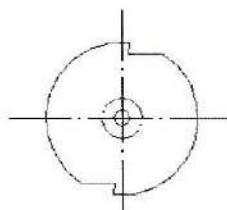
Model	Screw Diameter (mm) d	Length (mm) L	Diameter of Head (mm) D	Quantity/Carton
M6 × 25	6	25	22/25	2400
M6 × 30	6	30	22/25	2400
M6 × 38	6	38	22/25	2400
M8 × 30	8	30	26/28	1200
M8 × 35	8	35	26/28	1200
M8 × 42	8	42	26/28	1000
M8 × 50	8	50	26/28	800
M10 × 35	10	35	28/33	600
M10 × 45	10	45	28/33	600
M10 × 50	10	50	28/33	600

◆ Recommended Use Table

Item	Specification	applicable thickness (Belt + Bucket)	Bucket Projection(B) (Deep bottom bucket/Shallow Bottom bucket) mm	Bulk Density of the Materials t/m ³	Elevator belt speed m/s
Fang bolt	M6 × 25	>8-10	≤160/190	0.2-1.5	≤3.5
	M6 × 30	>10-16	≤160/190	0.2-1.5	≤3.5
	M6 × 38	>15-23	≤165	0.2-1.5	≤3.5
	M8 × 30	8-15	≤230	0.2-1.5	≤3.5
	M8 × 35	>14-18	≤230	0.2-1.5	≤3.5
	M8 × 42	>18-24	≤230	0.2-1.5	≤3.5
	M8 × 50	>18-30	≥230	0.2-1.5	
	M10 × 35	12-18	≥230/270	0.2-1.5	
	M10 × 35	>18-28	≥230/270	0.2-1.5	



Fang Bolt (Tooth Bolt)



◆ **Material:** Carbon Steel, Stainless Steel

◆ **Thread precision:** 6g

◆ **Intensity of Bolt:** 5.8~6.8 (ISO grade), 8.8 (Customization)

◆ **Surface:** Oxygenized, zinc plated.

◆ **Usage:** Suitable for elevating bulk material with high gravity weight with high velocity.
To fit plastic elevator bucket or steel bucket, especially suitable for fitting bucket with big capacity.

◆ Technical specifications:

Model	Screw Diameter (mm) d	Length (mm) L	Diameter of Head (mm) D	Quantity/Carton
M6 × 25	6	25	22/25	2400
M6 × 30	6	30	22/25	2400
M6 × 38	6	38	22/25	2400
M8 × 30	8	30	26/28	1200
M8 × 35	8	35	26/28	1200
M8 × 42	8	42	26/28	1000
M8 × 50	8	50	26/28	800
M10 × 35	10	35	28/33	600
M10 × 45	10	45	28/33	600
M10 × 50	10	50	28/33	600

◆ Recommended Use Table

Item	Specification	applicable thickness (Belt + Bucket)	Bucket Projection(B) (Deep bottom bucket/Shallow Bottom bucket) mm	Bulk Density of the Materials t/m ³	Elevator belt speed m/s
Fang bolt	M6 × 25	>8-10	≤160/190	0.2-1.5	≤3.5
	M6 × 30	>10-16	≤160/190	0.2-1.5	≤3.5
	M6 × 38	>15-23	≤165	0.2-1.5	≤3.5
	M8 × 30	8-15	≤230	0.2-1.5	≤3.5
	M8 × 35	>14-18	≤230	0.2-1.5	≤3.5
	M8 × 42	>18-24	≤230	0.2-1.5	≤3.5
	M8 × 50	>18-30	≥230	0.2-1.5	
	M10 × 35	12-18	≥230/270	0.2-1.5	
	M10 × 35	>18-28	≥230/270	0.2-1.5	

Euro Bolt



- ◆ **Material:** Carbon Steel , Stainless Steel
- ◆ **Thread precision:** 6g
- ◆ **Intensity of Bolt:** Above 5.8~6.8 (ISO grade), 8.8 (Customization)
- ◆ **Surface:** Oxygenized and zinc plated.
- ◆ **Useage:** Suitable for elevating bulk material with high gravity weight with high velocity. To fit plastic elevator bucket or steel bucket, especially suitable for fitting bucket with big capacity.

◆ Technical specifications:

Model	Screw Diameter (mm) d	Length (mm) L	Diameter of Head (mm) D	Quantity/Carton
M6 × 25	6	25	23/25	2400
M6 × 30	6	30	23/25	2400
M6 × 35	6	38	23/25	2400
M8 × 30	8	30	28/30	1200
M8 × 35	8	35	28/30	1200
M8 × 40	8	42	28/30	1000
M8 × 50	8	50	28/30	800
M10 × 35	10	35	32/35	600
M10 × 45	10	45	32/35	600
M10 × 50	10	50	32/35	600

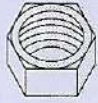
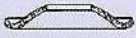
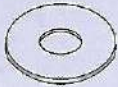
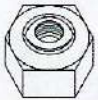
Norway Bolt



◆ Features:

- with cuboid transition between head and screw, to strengthen the bolt head and prevent from rotatin when tightenin by locking into the belt punching holes

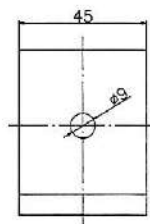
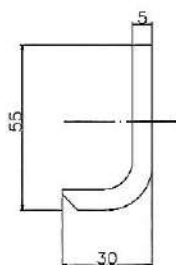
◆ Bolts Accessories

Hexagon Nut 	Strength: 5 Degree Thread Tolerance 6 H Surface Treatment: Zinc plated and Passivated	Domed washer 	Hardness: 100HV Zinc plated	Flat Washer 	Hardness: 100HV Zinc plated
Nylon-inserted Hexagon Nut 	Strength: 5 Degree Thread Tolerance 6 H Surface Treatment: Zinc plated and Passivated	Square Nut 	Strength: 5 Degree Thread Tolerance 7H Surface Treatment: Zinc plated and Passivated	Spring Washer 	Material: 65Mn Surface Treatment: Oxidation

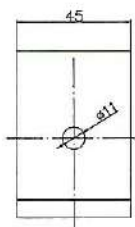
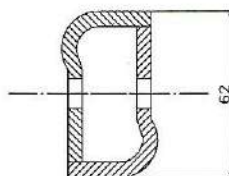


Belt Clamp Fastener

F1

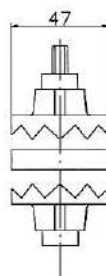
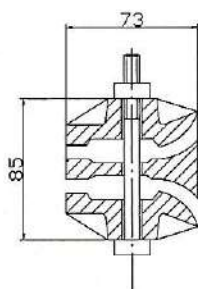


F2



Proper belt clamp will influence directly the equipment running reliability, safety and life span of the elevator belt.

F4



F5



◆ Features of Type F1、F2

- Monobloc pressing made, consistent size, easy to interchange and high group precision.
- The product applies to different width of belt by good performance of combination.
- Zinc plated, good performance of anti-rust corruption.
- Equipped with the locknut which prevents from loosening in the operation.

◆ Features of Type F4、F5

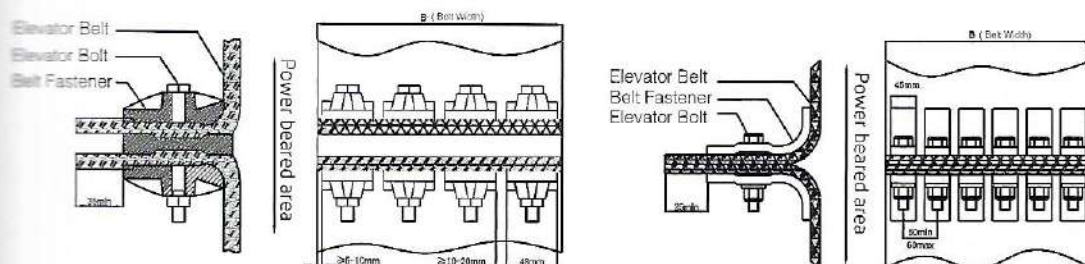
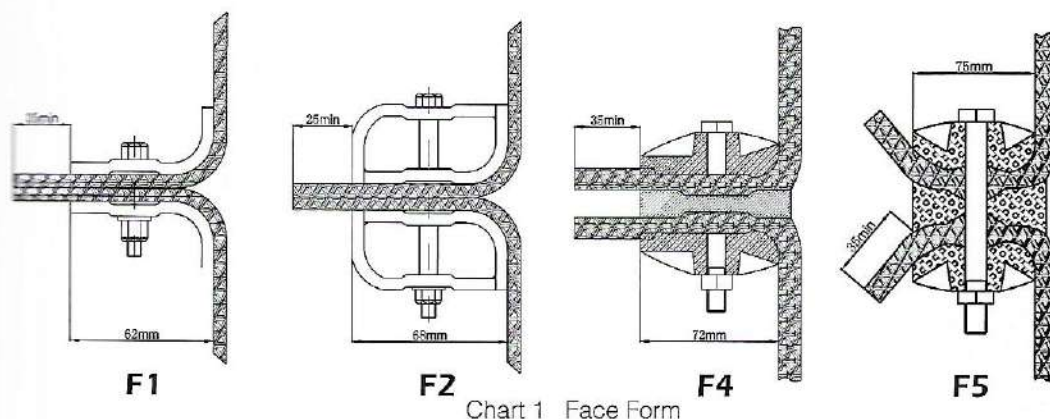
- It's made by three special mechanical parts with higher clamp strength.
- Precision casting, good dimensional uniformity.
- Materials include cast steel(zinc plated) and stainless steel.

◆ Strength:

Model	F1	F2	F4	F5
Tensile Strength KN/m	≤600	≤800	≤1400	≥1400

Joining Type and Application of the Belt Fastener

◆Joining Type:

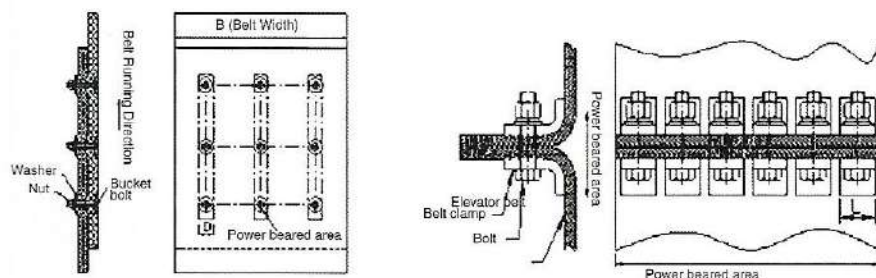


◆Installation and selection of belt clamp

- Choosing proper belt clamp style and quantity based on tensile strength and width of belt;
- Requested belt length for belt clamp installation are respectively (F1=174mm; F2=186mm; F4=214mm; F5=220mm), the proper total elevator belt length = elevator perimeter + proper length of belt for belt clamp installation.
- Installation hole position: installation hole center line is (F1=56mm; F2=59mm; F4=76mm; F5=75mm) from two end of belt, the said line should be upright to belt end to make sure belt running properly.

◆The method of installation:

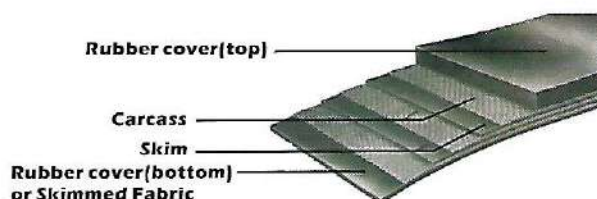
- Elevator belt joint Mode (as per drawing)



- Force Analysis and comparison data sheet (based on the cut edged elevator belt with belt width 300mm and tensile strength 800KN/M per unit)



Rubber Elevator Belt



◆ Key Features and Benefits:

- Low stretch, High tensile strength and bolt holding.
- Good abrasion resistance, soft and flexible in operation, long life span
- Oil and fat resistance, static-conducting, flame-resistance type for selection.

◆ Product Model

- Black elevator belt.
- Oil resistant elevator belt
- Flame resistant & anti static elevator belt
- Heat resistant elevator belt

◆ Elevator Belt Tips

They are liable to break due to the bolt setting holes, distributed along the entire belt length for fitting the buckets. In addition, these belts, different from ordinary belts, are subject to various forces including lever action due to projection of the buckets and the extracting force exercise by pulleys at the time of belt bending. So for elevator service, you need to calculate the strength of the belt needed to support the weight of the bucket and the material being conveyed

◆ Technical specifications:

Item	Unit	Elevator belt type					
		600YP		800YP		1000YP	
Total Tensile strength	N/mm	600		800		1000	
Elongation at break	≤ %			≤ 1.6			
Abrasion	cm ³ /1.61KM			0.70			
Plies		3		4		5	
Total thickness	mm	5.0		6.0–6.5		8.0	
Top/bottom thickness	mm	1.0/1.0		1.2/1.2		1.5/1.5	
		Bottom also select no cover, add one ply Fabric					
Min. head pulley dia.	mm	600N		800N		1000N	
		head pulley	Rubber head pulley	head pulley	Rubber head pulley	head pulley	Rubber head pulley
		500	360	800	500	1000	800
Adhesion(ply to ply)	N/mm			≥ 4.5			
Adhesion(cover to ply)	N/mm			≥ 3.2			

Note: Customized size & punching service are available on request.

Flat Belt

www.zjxhtss.com



◆Key Features and Benefits:

- Innovative structure design, adopting advanced rubber compound with good adhesion at opposite joint of outer fabric with fillet, delamination will not occur during operation.
- Adopting high quality pure cotton canvass, the duck plies have good endurance and not easily deform.
- With adoption of advanced processing technology and good sulphuration, it features as less elongation.

◆Technical specifications:

Number of plies	Tensile Strength (N/mm)		Extensibility ≤(%)	Adhesion Strength (N/mm)	Reference width mm
	Lognitudinal	Latitudinal			
3	190	75	2.0	3.3	3
4	240	95			4
5	290	115			5
6	340	130			6
7	385	225			7
8	425	250			8
9	450				9
10	500				10

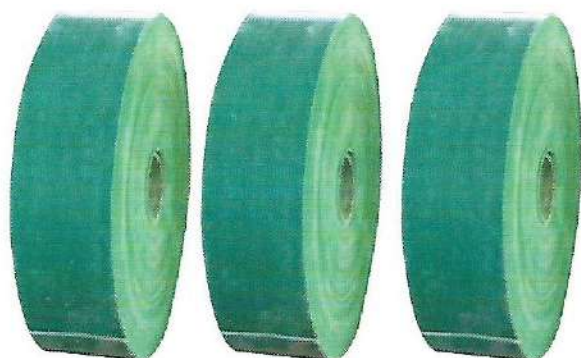
◆Flat Belt Applications

It is mainly used in factories, mines, docks, metallurgical industry, and also widely used in ordinary mechanical power transmission, great power processing of grains like rice and wheat, irrigation equipment, wood cutting and other power transmitting equipment for industry and agriculture.

Note: Customized size & punching sevice are available on request.



High Performance Flat Belt



◆Key Features and Benefits:

- Innovative structure design, adopting advanced rubber compound with good adhesion at opposite joint of outer fabric with fillet, delamination will not occur during operation.
- Adopting higher quality pure cotton canvass than flat belt, the duck plies have good endurance and not easily deform.
- With adoption of advanced processing technology and good sulphuration, it features as less elongation.Tensile strength of the belt is higher than flat belt. It is water resistance.

◆High Performance Flat Belt Applications

It is mainly used in factories, mines, docks, metallurgical industry, and also widely used in ordinary mechanical power transmission, great power processing of grains like rice and wheat, irrigation equipment, wood cutting and other power transmitting equipment for industry and agriculture. It is used for Rice Milling Bucket. The green elevator belt is used for many famous group and company, such as MUYANG group, ZHENGDA group ,SATAKE Chinese company and BUHLER group.

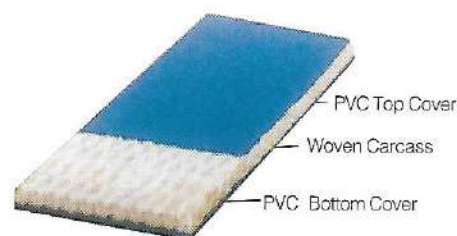
◆Technical specifications:

Number of plies	adhesive strength betweenply and ply ($\geq$ N/mm)	Tensile Strength at Full Thickness (N/mm)	Elongation at Rated Load ($\leq$)	Thicknessmm
4	3.2	480	4.0	4~5
5		600		5~6
6		720		6~7
7		840	3.0	7~8
8		960		8~9

Note: Customized size & punching sevice are available on request.

PVC Elevator Belt

www.zjxhtss.com



◆ Features:

- Multiply inter-woven carcass keeps synchronous in the course of weaving, impregnation, plasticization and paste. The structure is stressed in balance. The dipping elastomer could bind all the yarn, composing a close-grained and flexible carcass. No excessive pulling and compression. Keep a good running trail and not easy to off track.
- Compared to the rubber elevator belt, it's uniformly stressed to ensure the strong elevating capability. No peeling off both on the cover rubber and between ply and ply with superior tear resistance.
- Good bolt retention and makes a strong joint between the bucket and belt.
- With better properties such as resistance to oils, chemicals, dumps and wear compared to the rubber elevator belt.
- The belt is of weight light, strong structure and low driving power. With superior anti-elongation and lower extension rate compared to the rubber elevator belt.
- Its fire retardant and anti-static property guarantee safer working condition while running.

◆ Technical specifications:

Model	Color	Rated Tensile Strength In Warp		Thickness (mm)	Working Temperature (°C)	Elongation at Rated load (%)	Recommended Min. Diameter of Pulley (mm)
		lbs/P.I.W	N/mm				
PVC170	Cover: Blue Carcass: White	170	300	4.2	-10~+85	0.60	150
PVC300		300	600	5.6		0.60	200
PVC450		450	800	7.2		0.70	300
PVC600		600	1050	9		0.70	400

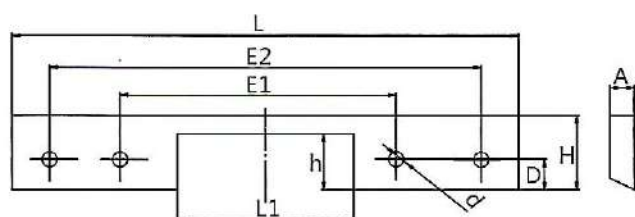
◆ Technical specifications:

Item	UNITS	Technical Index
Tensile Strength	MPa ≥	15
Adhension between Cover Rubber and Fabric	N/ mm ≥	6.5
Elongation at Break	% ≥	300
Abrasion Loss	mm ³ ≤	100
Electrical Conductivity	MΩ ≤	300
Flammability (with flame)	S ≤	10
Flammability (without flame)	S ≤	30

Note: Customized size & punching sevice are available on request.



Drag Conveyor Flight (square type)



◆Material:

HDPE/NYLON/UHMWPE/PU

◆Usage:

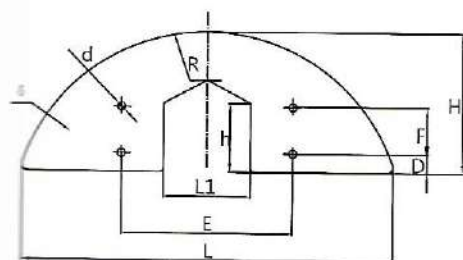
Suitable for drag conveyor chains.

◆Technical specifications:

Model	L	L1	S	H	h	E1	E2	D	d	Remark
LF480 × 90	480	90	16	90	70	170	310	44	9	Drilling can be made according to customer's demand.
LF380 × 90	380	90	15	90	70	155	255	44	9	
LF360 × 45	360	75	14	45	33	102	228	17	9	
LF305 × 45	305	75	14	45	33	102	228	17	9	
LF284 × 45	284	75	14	45	33	102	228	17	9	
LF184 × 45	184	75	14	45	33	102		17	9	
LF305 × 55	305	70	14	55	37	95	195	19	9	
LF305 × 50	305	90	14	50	35	115	245	19	9	
LF255 × 49	255	70	14	49	35	105	190	17	9	
LF240 × 49	240	72	14	49	36	95	195	17	9	
LF194 × 49	194	70	14	49	36	90	150	15	9	
LF185 × 50	185	90	14	50	35	115		15	9	
LF145 × 45	145	75	14	45	33	102		17	9	
LF208 × 49	208	70	14	49	36	90	150	17	9	
LF480 × 74	480	64	15	74	64	142	402	33	11	
LF420 × 76	426	160	15	76	68	203	291	17	14	
LF380 × 55	380	80	15	55	41	140	320	20	11	
LF300 × 34	300	57	9	34	25	155		13	9	
LF284 × 64	284	54	15	64	54	113		14	9	
LF280 × 63	280	107	15	63	48	143		14	9	

Drag Conveyor Flight (semicircle type)

www.zjxhtss.com



◆Material:

HDPE/NYLON/UHMWPE/PU

◆Usage:

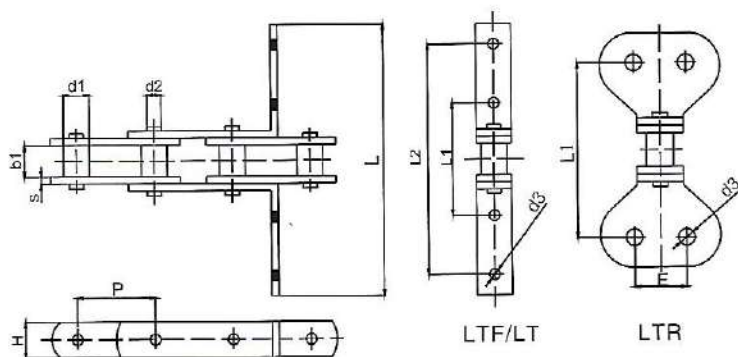
Suitable for drag conveyor chains.

◆Technical specifications:

Model	L	L1	δ	H	h	R	E1	F	D	d	Note
LR205 × 142	390	60	15	142	56	205	102	32	18	9	Drilling can be made according to customer's demand.
LR198 × 148	375	60	14	148	77	198	142	32	26	9	
LR185 × 132	350	60	14	132		185	102	32	19	9	
LR158 × 110	300	60	14	110		158	102	32	21	9	
LR122 × 90	230	60	10	90		122	102	32	14	9	
LR162 × 108	303	104	14	108	67	162					
LR158 × 126	300	50	14	126	50	158	111.6	32	16	9	
LR155 × 110	298	80	14	110	55	155	120	32	20	9	
LR146 × 125	285	60	13	125	50	146					
LR135 × 110	262	72	10	110	53	135	102	32	19	9	
LR125 × 100	242	60	10	100	52	125	102	32	11	9	
LR110 × 77	200	40	9	77	42	110	102	32	12	9	
LR110 × 70	195	48	10	70	40	110	90		11	9	
LR100 × 90	196	60	10	90	45	100	102	32	14	9	
LR100 × 74	180	55	10	74	43	100	102	32	12	9	
LR90 × 90	180	60	10	90	43	90					
LR80 × 70	160	52	10	70	46	80	74	27	12	7	
LR80 × 58	150	50	10	58	30	80	80		14	7	



Drag Conveyor Chain



◆ **Type:** Bush Roller Chain, furcated conveyor chain

◆ **Materials:** Medium carbon alloy steel ,Stainless steel

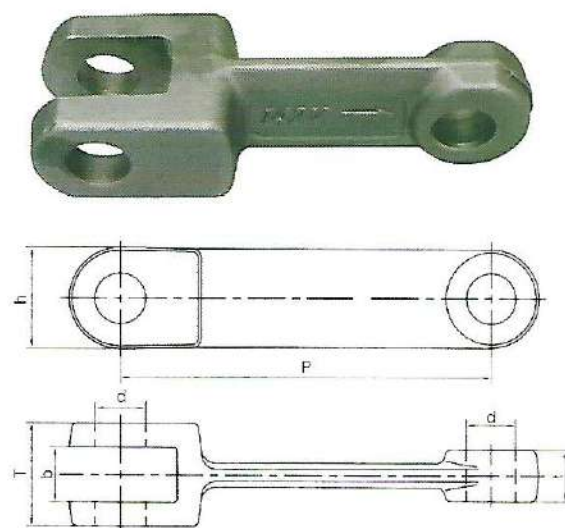
◆ **Suitable:** LTR for Round plastic drag flight, to install U type scrapper (conveyor)
LTF for EN Masse plastic type plastic drag flight, to install flat scrapper (conveyor)
LT for Metal drag flight conveyor

◆ Technical specifications:

Model	Pitch	Width between inner plates	Roller Diameter	Bearing Pin Diameter	Width of Chain Board	Thickness of Chain Board	Size of Attached Board					Maximum Elongation Loading (kN)
	P	b1	d1	d2	H	S	L	L1	L2	E	d3	
LTR60	60	25.3	22.23	11.1	30	5	130	102		32	9	90
LTR665	66.5	26.5	22.23	12	30	5-6	130	102		32	9	130
LTR68(5)	68	26	22.23	11.1	29	5	122	102		32	9	90
LTR68(6)	68	26	22.23	11.1	29	6	122	102		32	9	130
LTR100	100	38.5	36	16	40	6	130	102		32	9	220
LTF665	66.5	26.5	22.23	12	30	5-6	160-270	102	228		9	130
LTF76.2	76.2	30	30	11.1	40	6	230	95	195		9	110
LTF100	100	38.5	36	16	40	6	170-305	104-115	194-245		9	220
LT66.675	66.68	26.5	22.23	12.7	30	5-6	182-295	90-95	150-195		9	90
LT100	100	29.6	22.3	11.1	29	5	185.6	155.6			9	90
LT125	125	32.5	28.6	14.3	40	6	235.5	195.5			9	170
LT125A	125	32	25	17	60	6	260-305	115	235-268		9	220
LT160	160	27	32	14.3	45	6	290	250			9	194

Note: Customized size are available on request.

Drop-forging Chain



◆ Features

- It consists of forged steel links, which can be equipped with various plastic or steel scrapers, the connection pin between these links is in a circlip version
- Special heat treated alloy steel, drop forged and precision machined, with case hardened
- High strength, strong load-carrying capability
- Extremely hard exterior surface and superior wear resistance

◆ Technical specifications:

Number	Type	P	T	t	b	d	h	Tensile strength
		mm						KN
1	S16	100	30	14	16	F14	27	150
2	Z16	100	40	18	20	F17	35	260
3	S20	125	34	16	18	F17	33	250
4	Z20	125	50	24	26	F20	45	350
5	S25	160	48	23	25	F20	39	350
6	Z25	160	58	28	30	F25	55	550
7	3002	142	46	22	24	F25	50	350
8	3003	142	64	29	31	F25	50	500
9	3006	200	65	30	33	F32	70	750
10	MS55	200	80	35	38	F28	70	650
11	ML40	200	48	23	25	F25	58	500
12	MS63	200	70	30	33	F32	80	900
13	MG20	200	70	27	29	F35	70	850

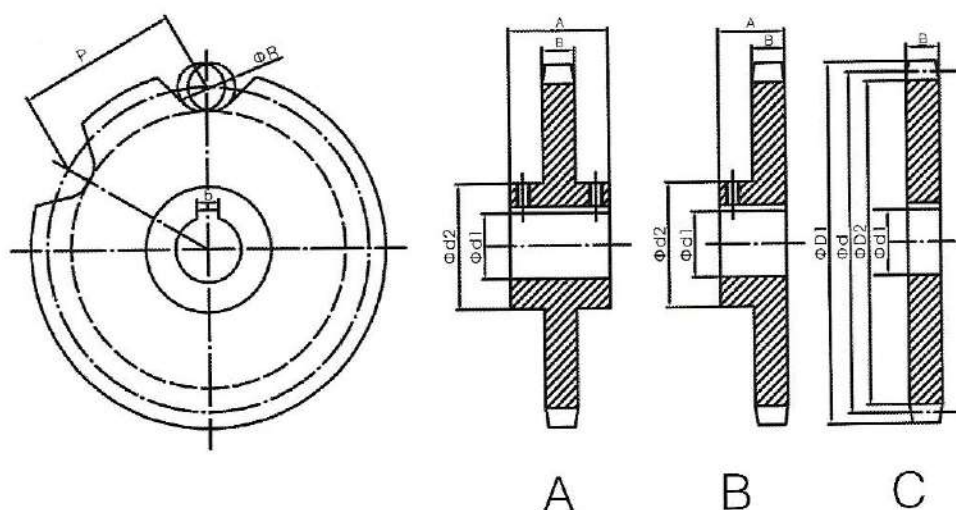
Note:

1. The materials can be chosen according to demands from customers: 40Cr, 20CrMnTi
2. We still carry on other non-standard chain unit besides types in the blank.

Chain Sprocket



●Types: Type A, Type B, Type C

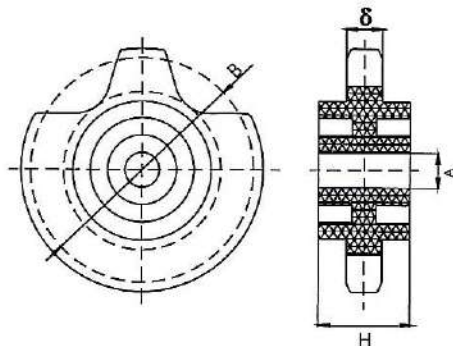


◆Technical specifications:

Model	Pitch	Width between inner plates	Roller Diameter	No. of Teeth	Remark
LN60	60	25.3	22.23	6~18	Holes drilling can be made according to the customer's request.
LN66.5	66.5	26.5	22.23	6~18	
LN68	68	25	22.23	6~18	
LN76.2	76.2	30	30	6~18	
LN100	100	38.5	36	6~15	
LN125	125	32	25	6~15	
LN160	160	27	32	6~15	

Gear Wheel

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◆Key Features and Benefits:.

- Material: UHMWPE, Nylon
- Adopting special UHMWPE or Nylon material, modified with reasonable formulation.
- Better wear-resistance, higher intensity, anti-impact, with self-lubrication.
- The product has been approved by test and widely used by leading conveying equipment manufacturers in North America.
- It is used for the support the running chains of the drag conveyor (chain conveyor).

◆Technical specifications:

Model	A	B	S	H	Pitch	Number of Teeth
TL381 × 7	Φ18	Φ87.8	12.5	25	38.1	7
TL381 × 8	Φ26	Φ99.3	20	50	38.1	8
TL635 × 5	Φ20	Φ108	17	45	63.5	5
TL665 × 6	Φ26	Φ125	25	57	66.5	6
TL665 × 5	Φ20-25	Φ100	25	57	66.5	5
TL665 × 4	Φ20	Φ94.05	25	57	66.5	4
TL68 × 5	Φ25	Φ115.6	24	47	68	5
TL762 × 5	Φ25	Φ129.6	22.5	50	76.2	5
TL667 × 5	Φ25	Φ115.6	24	47	68	5
TL100 × 5	Φ25	Φ170.1	34.2	70	100	5

◆**Note:** Other types and sizes can be made to order.

UHMWPE Guide rail

◆Description

- Using UHMWPE as raw material, the use of ultra-high material superior abrasion resistance, excellent impact strength, low coefficient of friction, self-lubricating, excellent heat resistance, chemical resistance, processed into a variety of structures guide rail instead of gear wheel, especially for the installation of the larger drag conveyors.

◆Features

- Resistant to abrasion, low noise, light weight, low price and easy installation.

◆Specifications

- The products have flat-shaped, convex shape, other specific dimensions according to customer requirements.





Continuous Cold Rolled Screw Flight

◆ **Material:** carbon steel

◆ **Feather:**

- Continuous length (endless), cut to any length design;
- Smooth finished surface, uniform shape, high precision;
- Good tensile strength and wear resistance.

◆ **Specifications:**

Non-standard flights can be customfabricated to your specifications.
Please send print or sample for fabrication of screw flight.

◆ **Technical specifications:**

Standard Model	LY125	LY160	LY200	LY250	LY300	LY320	LY400	LY500	LY630	LY800
Outer Diameter (mm)	Φ 125	Φ 160	Φ 200	Φ 250	Φ 300	Φ 320	Φ 400	Φ 500	Φ 630	Φ 800
Inner Diameter (mm)	Φ 30-42	Φ 42	Φ 48	Φ 60	Φ 60	Φ 76	Φ 108	Φ 133		
Pitch (mm)	100-125	120-160	160-200	200-250	250-300	250-320	320-400	400	450-500	500
Thickness of plate (mm)	3.5	3.5	3.5-6	3.5-6	3.5-6	3.5-6	5-6	5-6	5-6	5-6
Standard Length (m)	2									



Sectional / Segmented Screw Flight

◆ **Material :** Carbon Steel, Low Alloy Steel, Wear Resistant Steel, Stainless Steel, etc.

◆ **Features**

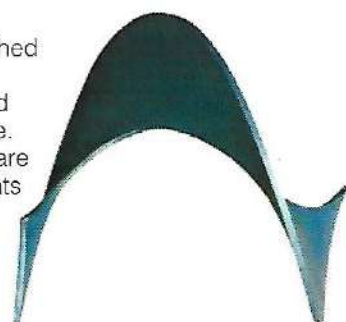
- A proprietary process coming into its own when material type, material thickness, big diameters, hard controlled special gauge are considerations and can't be accomplished by conventional continuous rolled forming process.
- A single pitch construction with consistent cross sectional thickness between inner and outer edges. Every screw flight section is formed accurately up to the customers' size.
- A wide range of size up to 2000mm in diameter, 40mm in thickness, 1500mm in pitch are available. Ribbon, Tapered and Variable Pitch Flights are available on application. Flights can also be hard faced or coated with wear protection materials.
- High precision, with no minimum order quantity requirement and customized size can be met.

◆ **Specifications**

- Any screw flight with size coming in the range of the following table can be made.

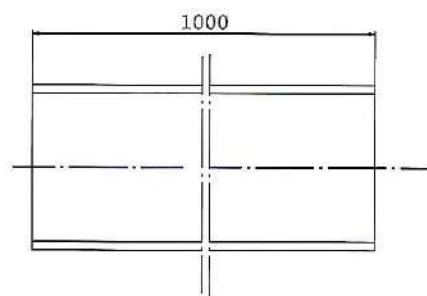
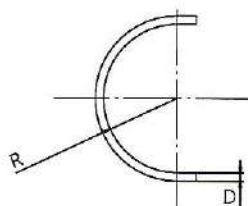
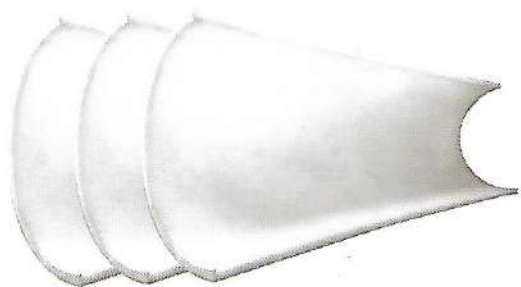
◆ **Technical specifications:**

Pitch (mm)	Min. Inner diameter (mm)	Max. Outer diameter (mm)	The thickness (mm)
60 ~ 150	30	480	Carbon steel ≤ 50mm Manganese steel ≤ 50mm Stainless steel ≤ 40mm
150 ~ 200	50	520	
200 ~ 300	60	670	
300 ~ 450	90	950	
450 ~ 500	135	1150	
500 ~ 650	150	1350	
650 ~ 850	200	1400	
850 ~ 950	250	1450	
950 ~ 1200	300	1600	
1200 ~ 1250	400	1800	
1250 ~ 1300	450	2000	



liner plate for screw conveyor

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◆ **Material:** UHMWPE, double color UHMWPE

◆ **Thickness :** 6,8,10,12,15 ... (mm). ◆ **Length :** 1000mm. ◆ can actually be customized liner (required size)

◆ Features

- The new ultra-high molecular liner developed by our company , the molecular weight of the modified materials are more than 3.5 million molecular weight , longer life, And the performance and advantages of ultra-high molecular material has been accepted and recognized by the absolute majority of users in various industries .
- Abrasion resistance, impact resistance , high lubricity , chemical resistance , low temperature resistance, excellent impact energy absorption, Excellent non- absorbent, non-sticky excellent , excellent health food nature .

◆ Technical specifications:

Diameter(mm)	
Φ 200	Φ 440
Φ 220	Φ 460
Φ 240	Φ 480
Φ 260	Φ 500
Φ 280	Φ 520
Φ 300	Φ 540
Φ 320	Φ 560
Φ 340	Φ 580
Φ 360	Φ 600
Φ 380	Φ 620
Φ 400	Φ 640
Φ 420	Φ 660





Sieve Cleaner

◆Specification.

◆**Material:**high quality polyurethane (meet FDA specification)

◆**STYLE:**variety of sieve & pan cleaners available

◆**Features:** Excellent wear resistance, good toughness, meet FDA specification, A long life of effective cleaning, dynamic vibratory movement



◆Small Triangle

Special outline and the heave in the middle make it easy to bounce. It's an economical choice.

Weight:15g



◆Big Triangle

Bigger and the thickening outline produces more potential energy and cleans well.

Weight:26g



◆Rivet Triangle

Rivet in the middle contacts with the sieve pore. It is easy for cleaner to bounce and move.

Weight:21g



◆Brush Triangle

The brush serves as cleaning the surface of the sieve as well as bouncing with it. It improves greatly the efficiency of cleaning.

Weight:25g



◆Cotton Canvas Type

The cotton type reduces the damage on the sieve and can prolong its life span.

Weight:32g(size: 75mm × 52mm × 9mm)

Pan Cleaner

www.zjxhtss.com



◆Crisscross Type

Optimized outline and soft structure make it suitable for small spacing sieve.

Weight:32g



◆Diamond Type

Keeping original shape and flexibility even it's used for a long time. It is suitable for small spacing sieve.

Weight:42g



◆Triangle Type

With increased thickness, it has good sieving effect and long life span.

Weight:81g



◆Quincunx Type

With increased surface area of pan cleaner, it's suitable for big spacing sieve.

Weight:68g



◆Quadrilateral Type

It's suitable for standard sieve and can minimize the damage to the frame.

Weight:55g

Sieve Cleaning Ball



◆ **Material:** Rubber, PU

◆ **Specification.**

Φ15mm Φ16mm Φ17mm Φ19mm Φ22mm Φ24mm
Φ26mm Φ28mm Φ30mm Φ32mm Φ35mm Φ40mm
Φ45mm Φ50mm Φ83mm

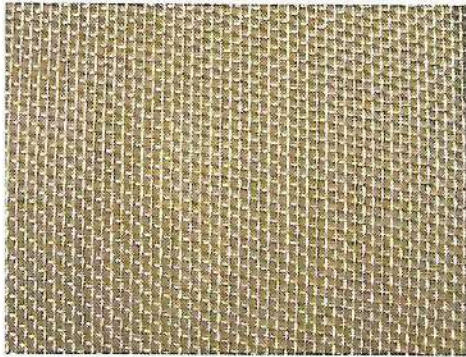
◆ **Performance index for various raw material of rubber ball**

Index	NB	NBR	EPR	PU
Hardness (Shore A)	55~85	55~85	55~85	70~85
Working Temperature(°C)	-25~100	0~120	0~150	-40~120
Oil Resistance	Ordinary	Good	Ordinary	Good
Flexibility	Good	Medium	Medium	Medium
Wear Resistance	Medium	Good	Medium	Superior

◆ **Note:** Other type can be made according to customer's demand.



Stainless steel mesh



◆Stainless steel mesh from the production process can be divided

Weaving, embossing; weave which can be divided into plain weave, twill weave, Dutch plain weave, twill weave, such as the Netherlands.

◆Features

Acid resistance, alkali resistance, high temperature resistance, low temperature resistance, corrosion resistance, good performance; High strength, tensile, toughness and wear resistance and durability;

High temperature oxidation, 304 stainless steel mesh in the name of tolerance temperature of 800 degrees Celsius. Temperature processing, plastic processing that is easy to diversify the possibility of using stainless steel mesh;

Finish, do not have surface treatment, easy maintenance and simple.

- ◆ Material: Stainless steel (201,304);
- ◆ wire diameter: ϕ 0.01 ~ ϕ 30 (mm);
- ◆ mesh: 1 mesh to 400 mesh;
- ◆ Length: 30 m / roll;
- ◆ Width: 500 ~ 4000 (mm).

Rubber Conveyor Belt

www.zjxhtss.com



◆ Adhesion-ply to ply

Index	Canvas ply to canvas ply	Cover to belt core cover thickness	
		0.8-1.5mm	> 1.5mm
average value of samples N/mm ≥	3.2	2.1	2.7
bottom value of samples N/mm ≥	2.7	1.6	2.2

remark: The bottom value of sample can not surpass 20N/mm

According to GB/T7984-2001 Conveyor Belt---Conveyor Belt with rubber or plastic cover used for general usage standard

◆ Types and Specification

Type	Fabric	Width (mm)	Applications
General conveyor belt	T/C or CC		For materials of lump, granular, powdery or finished products under general conditions.
NN conveyor belt	NN100		For materials of heavy duty and high impact conveying in medium and long distance
	NN150		
	NN200		
	NN250		
	NN300		
EP conveyor belt	EP100	300	For materials in harsh conveying conditions like medium or long distance, heavy load, humid environment and high temperature.
	EP150	~	
	EP200	2000	
	EP250		
	EP300		
Heat resistant conveyor belt	EP, T/C, CC		80<T1<125°C, 125<T2<150°C 150<T3<180°C
Oil resistant conveyor belt			
Acid and Alkali resistant conveyor belt			
	NN, EP, T/C, CC etc.		For materials with chemical medicine, chemicals, paper pulp and fertilizer etc.
Chevron conveyor belt	Raised herringbone type	300	For conveying in steep angel. Heat resistant, oil resistant, acid and alkali resistant chevron belt are available for handling
		~ 1000	



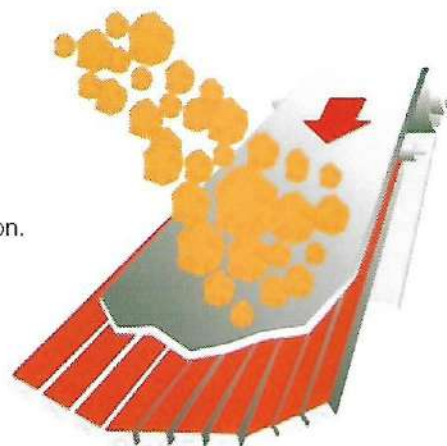
◆physical performance of cover rubber

Index	Type of cover and performance		
	H	D	L
Tensile strength Mpa $\geq$	24.0	18.0	15.0
Elongation at breaking % $\geq$	450	400	350
70°C × 168h tensile strength after aging changing rate of elongation at breaking	± 25	± 25	± 25
Abrasion loss mm ³	120	100	200
H-cut and gouge resistance D-superior in abrasion resistance L-general purpose			

Impact Bar

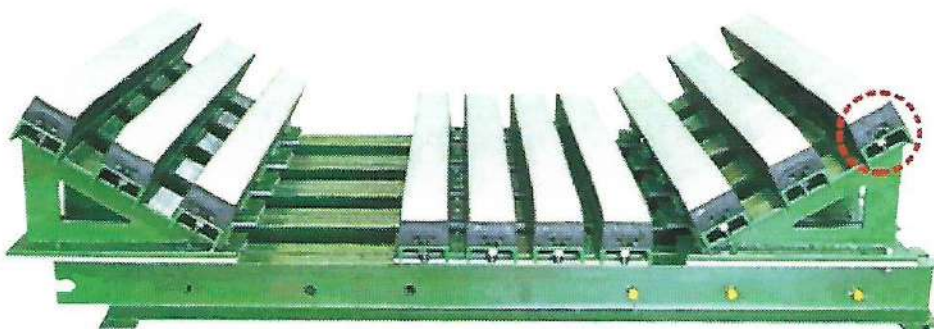
◆Features:

- Avoid the belt damage when touch between bar and belt surface
- The belt stressed evenly, reduce the daily maintenance cost
- Eliminate the splash effectively
- Shorten the maintenance time, improve production efficiency
- UHMWPE smooth surface enable the friction to lowest lever when belt operation.
- Each parts join strongly through hot vulcanization
- UHMWPE sheet arc shape design for perfect slip
- Rubber sheet absorb the impact strength to the utmost extent
- Hold steel structure easily for remove and repair



◆Technical specifications:

Model	Size (mm)		
	Height	Width	Length
M-01	52	100	1040
M-02	80	100	1040
M-03	100	100	1040
M-04	52	100	1540
M-05	80	100	1540
M-06	100	100	1540



UHMWPE Products

◆Features:

UHMW Polyethylene products originate with the highest grade resins, the molecular weight from 3 million to 10 million, Comparing to any thermo plastics polymer. It has an outstanding plastics properties with the best wear Resistant, Impact Resistant, Self Lubricating, Corrosion Resistant, impact absorbing properties, low temperature resistant, sanitary, Non-caking and sticking, nonwater absorption, light weight properties, so regarded as an amazing material,



◆Property

●Mechanical properties

Item	Unit	Test Method	Value
Density	G/cm ³	ASTM1505	0.94
Tensile Strength at Break	Mpa	D638	42
Elongation at Break	%	D638	350
Izod Impact	KJ/m ²	D256	≥ 140

●Thermal properties

Item	Unit	Test Method	Value
Melting point	°C	°C	136
Vicat softening poin	°C	°C	134
Thermal Expansion Coefficient	10 ⁻⁴ /K	10 ⁻⁴ /K	1.5
Thermal Deformation Temperature	°C	°C	95

●Electrical properties

Item	Unit	Test Method	Value
Bulk Resistivity	Ohm.cm	ASTMD257	>10 ¹⁵
Surface Resistivity	Ohm.cm	ASTMD257	>10 ¹⁵
Dielectric Strength	KV/mm	ASTMD149	50
Dielectric Coefficient	106	ASTMD150	2.3

●Cold properties

UHMWPE molecular weight excess 1.5 million, brittle temperature low to -150°C.
Lab test: working temperature below -269°C, also have some mechanical strength.

●Abrasion resistant properties

UHMW-PE with super abrasion resistance, the more molecular high, the more wear resistance has.

Material	UHMWPE	PTFE	Pa66	POM	CARBON STEEL 45#	STAINLESS STEEL	BRASS
Abrasion rate	0.74	2.31	1.51	3.1	4.02	4.05	16.74

◆Note abrasion test condition

Samples are abraded in a 3/2 sand/ water (sand 20 mesh), test piece turn speed 930 rpm for 7 hours, test piece size: 60mmx35mmx4mm,



UHMWPE Products

◆General II uhmwpe sheetdetailed technical list

Item	Unit	Test Method	Value
Density	1505	g/cm ³	0.93
Shore hardness (derometre)	D785	邵氏 D	65(标准)
Working temperature(Max)		℃	85
Working temperature(Min)		℃	-150
Water absorption	570	%	< 0.01
Tensile Strength at Break	D638	Mpa	42
Elongation at Break	D638	%	340
Izod Impact	D256	KJ/m ²	没断
Bending strength	D638	MPa	26
Bending elastic modulus	D790	MPa	760
compressive elastic modulus	D790	MPa	550
coefficient of static friction	D1984	—	0.07-0.15
Coefficient of dynamic friction	D1984	—	0.07-0.11
Melting point	D2117	℃	136
Vicat softening point	D1512	℃	134
Thermal Expansion Coefficient	D648	℃	1.5×10^{-4}
Thermal Deformation Temperature	D648	℃	90
Bulk Resistivity	D257	Ohm cm	$> 10^{15}$
Surface Resistivity	D257	Ohm	$> 10^{15}$
Dielectric Strength	D150	10 6 hz	2.3

◆UHMWPE Specifications (Natural, Black)

UHMWPE Sheet

A. Molecular weight: 3-10 million

B. Model

Natural, anti-static, anti-UV, super-hardness, fire resistance.,

We can guide you to do the right installation according to different working condition

C. Size

2080X1040X6-200mm

2060X1030X6-200mm

3480X1280X6-200mm

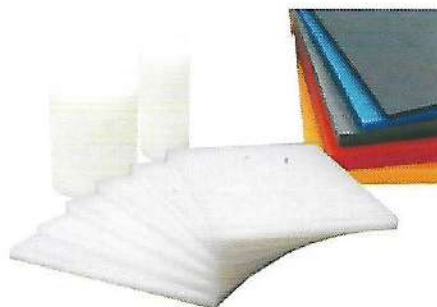
4220X1060X6-200mm

4120X1060X6-200mm

UHMWPE Rod

Φ20-200 X300~1000mm

Machined UHMWPE Parts



Hdpe Sheet/Rod

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◆ Features:

1. Products, light, texture dense, smooth surface, color and luster.
2. Has high impact resistance, corrosion resistance, abrasion resistance and resistance to environmental stress cracking.
3. Products, health, non-toxic, odorless, excellent electrical properties and chemical stability.
4. Has good tensile strength and tear strength, 5. With oil, corrosion-resistant bacteria such as better stability 6. Products deformation is small, hard suction, easy to process.

High-density polyethylene non-toxic, tasteless, odorless white particles, the melting point of about 130 °C, relative density 0.941 ~ 0.960. It has good heat resistance and cold resistance, chemical stability, also has high rigidity and toughness, good mechanical strength. Dielectric properties, resistance to environmental stress cracking resistance is better. Melting temperature of 220 ~ 260 °C. For molecules larger materials, the proposed range of melting temperature between 200 ~ 250 °C.

◆ Technical specifications:

Item	Unit	Value
Density	g/cm ³	0.96
mPa	Mpa	29
Elongation at Break	%	300
intensity	Kj/cm ²	800
Operating Temperature	°C	-48-82
Hardness	Shore	60 (stanLTBQarLTBQ)
thermal expansion coefficient	°C	1.5x10 ⁻⁴
Variable Temperature Heat	°C	85
resistivity	ohm	10 ¹⁵
dielectric constant	KV/mm	75
Absorption Capacity	%	<0.01

◆ Technical specifications:

● High-density polyethylene sheet

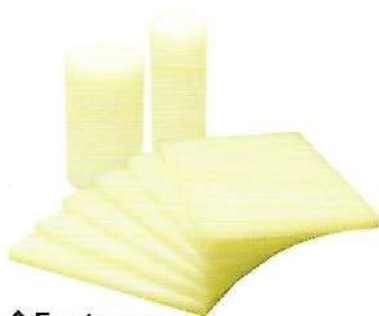
Item	Length (mm)	Width (mm)	Thickness (mm)
Sheet 1	1000-10000	800-1600	0.5-8
Sheet 2	2000	1000	10-200

● High-density polyethylene Rod

Item	Outer Diameter (mm)	Length (mm)
Rod	φ 140- φ 500	As customer's request
Tube	φ 20- φ 250	



MC Nylon Sheet/Rod



◆Features:

Natural & balck standard grade of Monomer cast Nylon offers an excellent combination of Mechanical strength ,stiffness and electrical insulation and wear properties,these properties make our standard grade of nylon the perfect choice for use as gears,rollers,star wheels scrolls and many mechanical applications where the use of metal is not possible.

Green/yellow oil filled nylon 6

Green & yellow oil filled cast nylon is an internally lubricated of nylon that is commonly used in applications where applied lubricants cannot be used ,Oil filled nylons have a lower co-efficient of friction over standard grades of nylon and also offer improved wear resistance

◆Applications

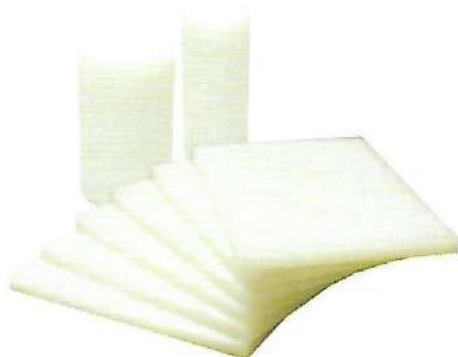
Friction bearing,bushings,gears, valve seats,couplings,rollers,cams,clamps,pump components,snap connectors

Item	Units	Value
Density	g/cm ³	1.15~1.16
Water absorption	%	≤0.6
Frictional coefficient		<0.45
Wear loss	Mg	<4.5
Compressive strength	Mpa	127
Rockwell hardness	RHM	112
Tensile strength	Mpa	79
Flexural strength	Mpa	130~150
IZOD impact strength	KJ/m	>14
Elongation at	%	60
Shear strength	Mpa	80~95
Bending elastic modulus	Gpa	26.4~31
Heat deformation temperature(0.46MPA)	℃	120
Breakdown voltage	KV/mm	18.6

NYLON Sheet	Size	NYLON Rod/Tube	Size
	2000X2000X8~300mm		Φ 10~2000
	1300X2600X8~300mm		Φ 40~2000
	4000X600X8~300mm		

PTFE Sheet

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◆ Features

- excellent chemical resistance
- low coefficient of friction
- High operating temperature and stability
- physiological(virgin)
- excellent electrical properties

◆ Applications

Suitable for corrosion resistant liner ,seal ,lining and gasket, guide rail, dielectric material for different frequency, bridge bearing slide, etc.

Item	Units	Value
Density	g/cm ³	2.2~2.3
Water absorption	%	<0.01
Working temperature	°C	-180~260
Tensile strength	Mpa	14
Elongation at break	%	140
Lzod impact	KJ/m ²	13
Hardness	Shore A	60~80
Linear expansion coefficient	10~5cm/cm °C	1.05
Thermal deformation temperature	°C	150
Surface resistivity	Ω.cm	10 ¹⁶
Dielectric strength	Kv/mm	10

● Technical Data:

Length (mm) × Width (mm)	Thickness (mm)
500 × 500, 400 × 400, 600 × 600	4~120
700 × 700, 1500 × 1500, 1200 × 1200, 1800 × 1800	4~50
800 × 800	4~80
1000 × 1000	4~70
1000 × 2000, 1200 × 2000	4~60



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