



# GRAIN TECH

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# Grain Tech - Sanwei

## Product Catalogue 2005

English Revision A



### *Bucket Elevator & Conveyor Component Price List 2005*



GRAIN TECH ENGINEERING



SANWEI



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# 1. Bucket Elevator Buckets

## 1.1. Bucket Elevator Buckets Technical Information

All buckets are available in HDPE or Nylon material, formed using standard injection moulding techniques. The following models are recommended for use in elevators of gravity or mixed discharge with velocity of less than 2m/s. Typical use includes vertical conveying of granular, powder, or lumped material such as; grains, barley, beans, wheat, feeds, seeds, flour, corn, malted barley, rice, grass seed, chemicals, etc.

Features of HDPE & Nylon buckets:

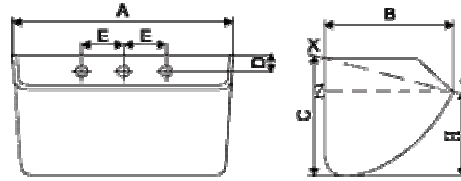
- High quality, wear resistant, corrosion proof materials provide a longer life span than steel buckets
- Light weight buckets reduce the rate of energy consumption
- Low product damage rate of less than 1%
- No sparks during operation eliminate the possibility of dust explosions
- Clean discharge
- Wide temperature applications
- All buckets are drilled according to the customers needs except for the 'A' models. 'A' models are special models for the seed industry.

All bucket types suit agricultural installation requirements with the exception of section 1.9: D Buckets, which are intended for industrial purposes.

Net or usable capacity could range from 10~20% above water level. For engineering purpose, we recommend using WL (water level) +10% for usable capacity.

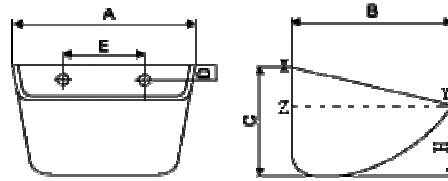
The following table of physical and chemical properties of HDPE, Nylon and UHMWPE, relate to all sections of this catalogue:

Material	Polyethylene	Nylon 66	Urethane
<b>Material Properties</b>			
Density	935 - 960 kg/m <sup>3</sup>	1120 - 1140 kg/m <sup>3</sup>	1110 - 1250 kg/m <sup>3</sup>
Hardness	Shore D60 - 70	Rockwell R103 - 119	Shore A85
Wear Resistance	Good	Superior	Best
<b>Temperature Properties</b>			
Range of Use	-50°C - +93°C	-40°C - +121°C	-50°C - +80°C
Coefficient Expansion	11 - 13 x 10 <sup>-5</sup>	8.3 x 10 <sup>-5</sup>	10 - 20 x 10 <sup>-5</sup>
Brittle Temperature	-70°C	-59°C	-55°C
Melting Point	121°C	149°C	88°C
<b>Application Suitability</b>	Grains, feeds, seeds, salt, sand, fertilizers, chemicals, and food products.	Soybeans, fertilizers, salt, sand, chemicals and other rough or abrasive products.	Palletised or extruded feeds, soybeans, fertilizers, shells, salt, sand, chemicals, and other abrasive products
<b>Other Properties</b>	Long lasting, tough & flexible, thick walls, light weight, clean discharge, minimal product damage and back legging, non-sparking, non-corrosive.	Excellent impact and abrasion resistance, every tough and more rigid than polyethylene or urethane, high heat resistance, non-sparking, non-corrosive.	Excellent abrasion resistance, tough and flexible, thick walls, light weight, clean discharge, minimal product damage and back legging, non-sparking, non-Corrosive
<b>FDA Status</b>	Yes	No	Yes

**1.2. Deep Bottom Bucket - DS**


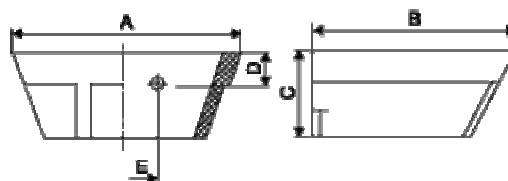
Model	A (mm)	B (mm)	C (mm)	H (mm)	D (mm)	E (mm)	No. Holes	Hole $\Phi$ (mm)	Capacity (L) x-y	Capacity (L) z-y	Price (NZ\$)
DS0705	78	55	71	30	20	40	2	7	0.16	0.06	\$ 0.86
DS0807	90	75	64	40	20	50	2	7	0.25	0.14	\$ 0.74
DS1109A	106	92	88	55	25	50	2	7	0.42	0.26	\$ 1.71
DS1009	100	90	93	52	24	50	2	7	0.4	0.27	\$ 1.03
DS1109	116	92	85	42	25	60	2	7	0.42	0.22	\$ 1.43
DS1307	130	75	80	45	25	60	2	7	0.4	0.23	\$ 1.71
DS1309	130	90	80	52	25	60	2	7	0.5	0.26	\$ 1.60
DS1311A	134	115	94	60	35	60	2	7	0.75	0.51	\$ 1.94
DS1311	134	115	94	60	35	60	2	7	0.75	0.51	\$ 1.43
DS1508	152	84	78	45	18	76	2	7	0.22	0.3	-
DS1511	150	110	100	65	35	80	2	7	0.9	0.56	\$ 2.51
DS1612	165	120	110	66	40	90	2	7	1.05	0.62	\$ 2.91
DS1613	164	139	124	83	40	90	2	7	1.4	1.02	\$ 3.43
DS1812	188	125	115	60	40	120	2	9	1.3	0.66	\$ 3.20
DS1814	188	140	130	80	40	120	2	9	1.7	1.35	\$ 3.49
DS2010	202	102	98	55	20	102	2	7	0.91	0.6	-
DS2014	208	140	120	68	40	120	2	9	1.8	1.1	\$ 5.09
DS2312	235	125	125	70	40	140	2	9	1.9	1.2	\$ 4.17
DS2314	235	140	130	85	40	85	3	9	2.27	1.45	\$ 4.29
DS2316	238	166	154	85	45	85	3	9	3	1.68	\$ 6.11
DS2511	250	114	115	65	25	125	2	7	1.5	0.9	\$ 6.17
DS2607	260	70	70	-	35	170	2	9	0.5	-	-
DS2616	266	166	154	85	45	90	3	9	3.3	2.09	\$ 7.54
DS2812	280	125	130	73	40	100	3	9	2.4	1.62	\$ 5.43
DS2814	280	140	139	85	40	100	3	9	2.7	1.7	\$ 5.60
DS2816	282	168	154	90	45	100	3	9	3.7	2.74	\$ 7.14
DS2823	289	230	190	122	55	105	3	9	6.7	4.41	\$ 16.74
DS2916	297	170	155	85	45	76	4	9	4	2.52	\$ 8.74
DS2919	295	197	178	122	50	115	3	9	5.8	4.29	\$ 10.74
DS3114	312	147	146	80	45	85	4	9	3.26	2.09	\$ 8.34
DS3116	310	167	158	85	45	80	4	9	4.4	2.81	\$ 8.80
DS3118	315	190	175	105	45	86	4	9	5.1	3.2	\$ 10.74
DS3121	315	220	200	140	55	85	4	9	7.4	5.56	\$ 20.00
DS3518	358	190	180	115	55	75	5	9	6.8	4.63	\$ 14.17
DS3621	365	220	200	140	55	95	5	9	8.5	6.45	\$ 22.97
DS4118	419	190	180	105	50	90	4	9	8.4	5.13	\$ 18.40
DS4121	418	222	200	40	55	85	5	9	10.4	7.97	\$ 18.86
DS4621	460	220	200	140	55	80	6	9	11.7	8.7	\$ 20.00
DS5121	519	225	205	143	55	90	6	9	13.2	9.4	-

**1.3. Shallow Bottom Bucket - DQ**



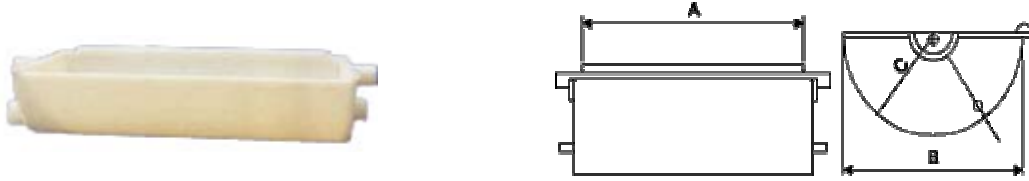
Model	A (mm)	B (mm)	C (mm)	H (mm)	D (mm)	E (mm)	No. Holes	Hole $\Phi$ (mm)	Capacity (L) x-y	Capacity (L) z-y	Price (NZ\$)
DQ1009	106	93	66	36	25	50	2	7	0.4	0.21	\$ 0.86
DQ1311	136	114	72	36	25	60	2	7	0.5	0.3	\$ 1.37
DQ1312	138	123	91	59	25	70	2	7	0.81	0.61	\$ 1.31
DQ1814	186	140	87	50	30	100	2	9	1.13	0.78	\$ 2.69
DQ1914	190	145	115	66	35	110	2	9	1.6	1.2	\$ 4.00
DQ2312	234	125	95	58	35	120	2	9	1.5	1.1	\$ 4.23
DQ2314	235	140	110	78	35	120	2	9	1.9	1.49	\$ 4.97
DQ2316	238	160	102	58	35	120	2	9	1.9	1.31	\$ 4.00
DQ2417	248	178	120	82	38	120	2	9	2.6	2.18	\$ 6.57
DQ2616	260	167	144	56	50	80	3	9	2.2	1.25	\$ 9.14
DQ2814	286	140	103	50	35	90	3	9	2.05	1.32	\$ 13.14
DQ2816	290	167	108	55	35	90	3	9	2.5	1.38	\$ 5.71
DQ2817	290	178	120	78	40	90	3	9	3.35	2.5	\$ 6.57
DQ2824	289	244	166	120	45	105	3	9	6.4	5.6	\$ 13.14
DQ3321	337	215	140	80	40	85	4	9	5.5	3.7	\$ 10.57
DQ3825	339	259	170	110	45	120	3	9	8.5	6.55	\$ 19.94
DQ3823	382	230	165	110	45	100	4	9	8	6	\$ 14.57
DQ3917	393	170	130	80	40	80	5	9	5	3.25	\$ 12.00
DQ4423	447	230	165	110	45	90	5	9	9.2	7.3	\$ 18.40
DQ4723	475	230	164	110	45	80	5	9	10	8.1	\$ 21.83
DQ4726	470	260	170	113	50	95	5	9	11.5	9.4	\$ 30.63
DQ5626	569	260	170	114	50	115	5	11	15	11.75	\$ 38.29

**1.4. No Bottom Bucket - DW**



Model	A (mm)	B (mm)	C (mm)	H (mm)	D (mm)	E (mm)	No. Holes	Hole $\Phi$ (mm)	Capacity (L) x-y	Capacity (L) z-y	Price (NZ\$)
DW0706	72	62	30	-	14	40	2	7	0.08	-	\$ 0.34
DW0907	90	78	33	-	15	40	2	7	0.18	-	\$ 0.51
DW1109	110	92	50	-	20	60	2	7	0.21	-	\$ 0.69
DW1109A	110	92	45	-	22	60	2	7	0.25	-	\$ 0.86
DW1310	130	102	45	-	20	70	2	7	0.36	-	\$ 1.14
DW1311	130	110	45	-	18	70	2	7	0.36	-	\$ 1.03
DW1812	186	125	60	-	25	70	2	9	0.85	-	\$ 2.91

**1.5. Inductive Bucket - DL**



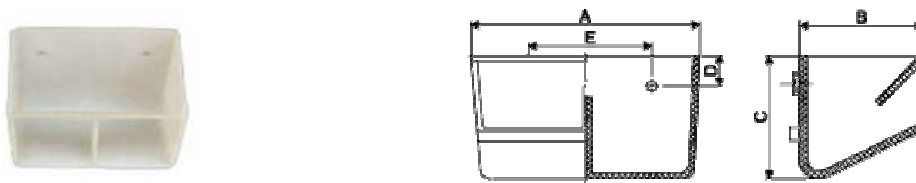
Model	A (mm)	B (mm)	C (mm)	H (mm)	D (mm)	E (mm)	No. Holes	Hole $\Phi$ (mm)	Capacity (L) x-y	Capacity (L) z-y	Price (NZ\$)
DL2412	246	122	60	-	-	-	-	-	1.04	-	\$ 11.71
DL3115	310	150	75	-	-	-	-	-	2.3	-	\$ 11.43
DL3812	380	213	125	-	-	-	-	-	4.8	-	\$ 20.00
DL4013	406	133	69	-	-	-	-	-	2	-	\$ 15.26
DL6323	632	236	120	-	-	-	-	-	11	-	\$ 31.66

**1.6. Rice Milling Bucket - DM**



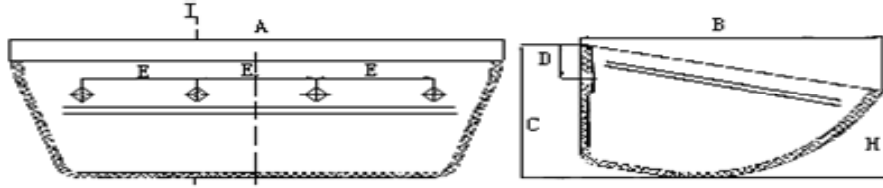
Model	A (mm)	B (mm)	C (mm)	H (mm)	D (mm)	E (mm)	No. Holes	Hole $\Phi$ (mm)	Capacity (L) x-y	Capacity (L) z-y	Price (NZ\$)
DM1010	105	110	129	-	48	50	2	9	0.7	-	\$ 2.34
DM1413	142	138	185	-	52	93	2	9	1.6	-	\$ 3.49
DM1715	175	156	176	-	52	113	2	9	2.5	-	\$ 6.29
DM2921	294	219	200	-	55	113	3	9	7.2	-	\$ 19.54
DM1413	143	143	172	-	52	93	2	9	1.6	-	\$ 5.37
DM2017	207	179	194	-	60	139	2	9	3.6	-	\$ 11.66

**1.7. Split Bucket - DG**



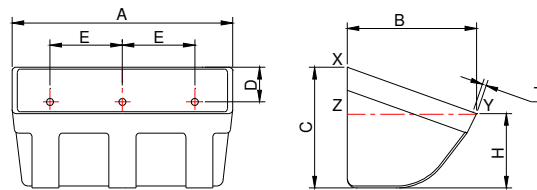
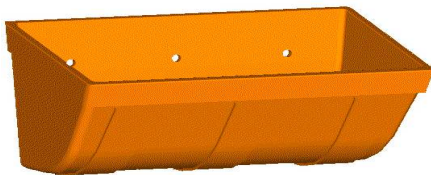
Model	A (mm)	B (mm)	C (mm)	H (mm)	D (mm)	E (mm)	No. Holes	Hole $\Phi$ (mm)	Capacity (L) x-y	Capacity (L) z-y	Price (NZ\$)
DG1107	110	77	86	-	25	72	2	7	0.45	-	\$ 1.09
DG1307	134	77	86	-	25	72	2	7	0.56	-	\$ 1.37
DG1309	135	96	92	-	30	80	2	7	0.75	-	\$ 2.00
DG1812	185	120	120	-	40	120	2	9	2	-	\$ 4.46

**1.8. European Style Bucket**



Model	A (mm)	B (mm)	C (mm)	H (mm)	D (mm)	E (mm)	No. Holes	Hole $\Phi$ (mm)	Capacity (L) x-y	Capacity (L) z-y	Price (NZ\$)
EU4x3	107	91	62	36	20	50	2	8.5	0.3	0.21	\$ 1.03
EU5x4	140	115	80	53	23	70	2	8.5	0.63	0.52	\$ 1.71
EU7x5	188	144	92	64	30	70	2	8.5	1.63	0.96	\$ 2.91
EU8x5	203	147	111	70	70	100	2	7	2.95	1.4	\$ 3.94
EU9x6	240	172	110	76	38	120	2	10.5	2.5	1.9	\$ 4.17
EU11x6	290	174	110	80	36	80	3	10.5	3	2.32	\$ 5.94
EU12x7	310	190	110	89	35	100	3	9	4.8	3.17	\$ 6.97
EU13x8	340	220	138	103	38	120	3	10.5	6	3.66	\$ 9.66
EU14x7	370	190	115	100	35	90	4	9	5.6	4.47	\$ 11.60
EU15x8	380	220	142	95	36	90	4	10.5	6.3	4.66	\$ 11.94

**1.9. D Style Bucket**



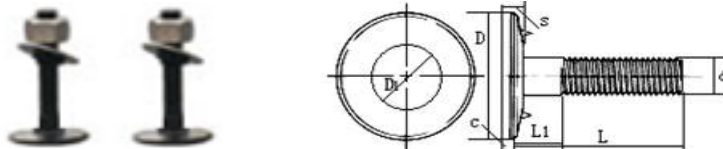
Model	A (mm)	B (mm)	C (mm)	H (mm)	D (mm)	E (mm)	No. Holes	Hole $\Phi$ (mm)	Capacity (L) x-y	Capacity (L) z-y	Price (NZ\$)
D4x3	107	81	75	51	24	64	2	6.5	0.32	0.25	\$ 1.17
D5x4	133	113	106	65	40	64	2	6.5	0.82	0.58	\$ 1.88
D6x4	159	108	103	67	36	80	2	6.5	0.91	0.7	\$ 2.39
D7x4	184	108	103	67	36	68	3	6.5	1.08	0.82	\$ 2.80
D6x5	160	140	130	80	50	110	2	6.5	1.45	1.08	\$ 3.95
D7x5	186	140	130	80	50	68	3	6.5	1.73	1.28	\$ 4.49
D8x5	211	140	130	80	50	78	3	6.5	2.01	1.48	\$ 4.92
D9x5	237	140	130	80	50	92	3	6.5	2.27	1.68	\$ 5.77
D9x6	237	168	154	95	54	92	3	6.5	3.28	2.47	\$ 6.82
D10x6	262	168	154	95	54	105	3	6.5	3.67	2.75	\$ 7.35
D11x6	287	168	154	95	54	76	4	6.5	4.06	3.04	\$ 7.98
D12x6	313	168	154	95	54	86	4	6.5	4.46	3.34	\$ 8.63
D11x7	287	197	180	114	58	76	4	8.5	5.47	4.14	\$ 10.61
D12x7	316	197	180	114	58	86	4	8.5	6.09	4.6	\$ 11.49
D13x7	343	197	180	127	50	92	4	8.5	6.64	5.44	\$ 12.39
D14x7	367	197	180	114	58	76	5	8.5	7.18	5.42	\$ 12.86
D15x7	392	197	180	127	50	82	5	8.5	7.69	6.28	\$ 13.78
D16x7	417	197	180	127	50	73	6	8.5	8.24	6.71	\$ 14.59
D12x8	315	222	206	143	58	86	4	8.5	8.19	6.22	\$ 15.80
D14x8	368	222	206	143	58	76	5	8.5	9.04	7.37	\$ 17.73
D16x8	420	222	206	143	58	73	6	8.5	10.46	8.5	\$ 19.66
D18x8	473	222	206	143	58	80	6	8.5	11.92	9.65	\$ 21.65
D20x8	520	225	210	150	55	89	6	8.5	13.68	11.07	\$ 24.85

## 2. Bucket Elevator Bolts

The following list of bolt types and sizes relate directly to the hole diameter ('Hole  $\Phi$ ') column, for each bucket style table, in section 1 (Bucket Elevator Buckets) above.

Please find the corresponding bolt type and size below, noting that quantities and prices are quoted per hundred units.

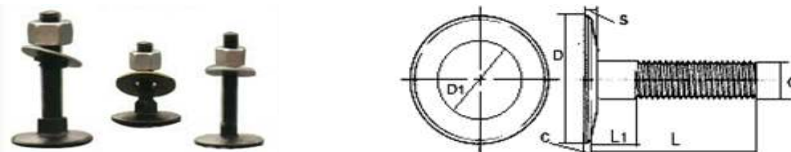
Type	Model	d (mm)	L <sub>1</sub> (mm)	D (mm)	T (mm)	C (mm)	S (mm)	L (mm)	D <sub>1</sub> (mm)	Price (NZ\$/100)
Standard Bolt	M6×16	M6	4	18	1.2	1.2	1.8	16	14	\$ 8.91
	M6×20	M6	4	18	1.2	1.2	1.8	20	14	\$ 10.17
	M6×25	M6	4	18	1.2	1.2	1.8	25	14	\$ 10.80
	M6×30	M6	4	21	1.2	1.2	1.8	30	14	\$ 13.94
	M8×20	M8	8	22	1.8	1.7	2.3	20	18	\$ 17.77
	M8×28	M8	8	22	1.8	1.7	2.3	28	18	\$ 19.66
	M8×35	M8	8	26	1.8	1.7	2.3	35	18	\$ 52.69
	M10×35	M10	12	32	2.2	2.8	3.2	35	22	\$ 76.17



Belt Bolt	M6×25	M6	-	-	-	-	-	25	-	\$ 20.97
	M6×30	M6	-	-	-	-	-	30	-	\$ 24.11
	M8×32	M8	-	-	-	-	-	32	-	\$ 30.46
	M8×40	M8	-	-	-	-	-	40	-	\$ 33.66
	M10×42	M10	-	-	-	-	-	42	-	\$ 50.80



Flat Countersunk Bolt	M6×30	M6	5	25	-	1.5	2.7	30	-	\$ 48.91
	M6×45	M6	5	25	-	1.5	2.7	45	-	\$ 63.49
	M8×35	M8	5	29	-	1.5	3	35	-	\$ 57.14
	M8×50	M8	5	29	-	1.5	3	50	-	\$ 76.17



Stainless Elevator Bolt	M6×20	M6	3	15	1.2	1.3	1.8	20	11	\$ 111.09
	M8×25	M8	3	21	1.8	1.4	1.8	25	16	\$ 126.97



### 3. Bucket Elevator & Conveyor Belts

These belts are designed for bucket and belt elevator arrangements where the belts need to have minimum stretch and optimum strength. These belts are manufactured using a polyester woven carcass with high tensile bonding technology. The result is a finished belt providing excellent strength characteristics, good wear resistance, light weight and non odour operation. These belts are widely used within the grain, cereal, fertiliser and similar type industries.

Technical features include:

- Innovative structure and design, incorporating advanced rubber compound bonding for optimum adhesion to fibre material for a long life non-delaminating performance
- Incorporates high strength polyester canvas carcass for long life operation under severe conditions
- Designed for minimum stretching in operation
- Suited to a wide range of elevating applications across the field of bulk materials handling

Please note that quantities and prices are quoted on a per square metre basis.

Example: 50m x 300mm (15m<sup>2</sup>) 'Reinforced Elevator Belt' - 600P @ \$135.26/m<sup>2</sup> would cost \$2,028.90



Flat



Light



Reinforced

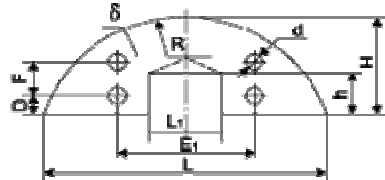
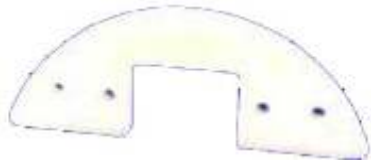
Type	Model	Layers (#)	Width (mm)	Tensile Strength (N/mm)	Elasticity (%)	Yield Elasticity (%)	Price (NZ\$/m <sup>2</sup> )
Flat Belt		3	At the Customers Request	190	3.3	20	\$ 50.74
		4		240			\$ 67.66
		5		290			\$ 84.57
		6		340			\$ 101.49
		7		385			\$ 118.40
		8		425			\$ 135.31
		9		450			\$ 152.23
		10		500			\$ 169.14
		12	560	\$ 202.97			
Light Elevator Belt	D4	2	At the Customers Request	250	4	10	\$ 48.23
		3		350			\$ 72.34
		4		450			\$ 96.46
		5		550			\$ 120.57
Reinforced Elevator Belt	600P	3	50-1500	600	4	10	\$ 135.26
	800P	4	150-1500	800			\$ 172.69
	1000P	5	150-1500	1000			\$ 216.51

## 4. Conveyor Flighting

All conveyor flighting is available in HDPE, Nylon or UHMWPE. The flighting is strong and well shaped to prevent abrasion with the conveyor shell, reducing operating noise and increasing the life of the product.

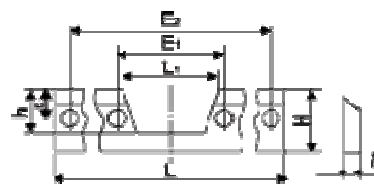
Please note that the pricing below is based on HDPE material, Nylon and UHMWPE pricing on request. For detailed information about the materials please refer to the information given in section 1 (Bucket Elevator Buckets).

### 4.1. Round Drag Conveyor Flighting



Model	L (mm)	L1 (mm)	$\delta$ (mm)	H (mm)	h (mm)	R (mm)	E1 (mm)	E2 (mm)	F (mm)	D (mm)	d (mm)	Price (NZ\$)
BR80×58	150	50	10	58	30	80	80	-	-	14	7	\$ 1.14
BR80×70	160	52	10	70	46	80	74	-	27	12	7	\$ 1.83
BR90×90	180	60	10	90	43	90	-	-	-	-	-	\$ 3.20
BR100×74	180	55	10	74	43	100	-	-	-	-	-	\$ 1.60
BR100×90A	196	50	10	90	45	100	102	-	32	14	9	-
BR100×90	196	60	10	90	45	100	102	-	32	14	9	\$ 1.66
BR110×70	195	48	10	70	40	110	90	-	-	11	9	\$ 2.23
BR110×77	200	40	9	77	42	110	50	-	-	53	9	\$ 2.23
BR122×90	230	60	10	90	-	122	102	-	32	14	9	\$ 1.77
BR125×100	242	60	10	100	52	125	102	-	32	11	9	\$ 2.23
BR135×110	262	72	10	110	53	135	102	-	32	19	9	\$ 2.86
BR146×125	285	60	13	125	50	146	-	-	-	-	-	\$ 5.54
BR155×110	295	60	14	110	55	155	120	-	32	20	9	\$ 4.17
BR158×110	300	60	14	110	-	158	102	-	32	21	9	\$ 3.54
BR158×126	300	50	14	126	50	158	-	-	-	-	-	\$ 6.17
BR185×132	350	60	14	132	-	185	102	-	32	19	9	\$ 5.89
BR205×142	390	60	15	142	56	205	102	-	32	18	9	\$ 11.26

### 4.2. Square Drag Conveyor Flighting



Model	L (mm)	L <sub>1</sub> (mm)	$\delta$ (mm)	H (mm)	h (mm)	R (mm)	E <sub>1</sub> (mm)	E <sub>2</sub> (mm)	F (mm)	D (mm)	d (mm)	Price (NZ\$)
BF145×45	145	77	14	45	40	-	102	228	-	19	9	\$ 1.66
BF184×45	184	75	14	45	33	-	102	-	-	19	9	\$ 1.66
BF185×50	185	90	14	50	35	-	115	-	-	15	9	\$ 1.89
BF194×42	194	45	14	42	30	-	-	-	-	-	-	\$ 1.77
BF194×49	192	49	13	49	36	-	95	195	-	17	9	\$ 1.77
BF240×49	240	72	14	49	36	-	95	195	-	17	9	\$ 1.94
BF255×49	255	70	14	49	35	-	95	195	-	15	9	-
BF284×45	284	75	14	45	40	-	102	228	-	19	9	\$ 2.40
BF305×45	305	75	14	45	33	-	102	228	-	15	9	\$ 2.63
BF305×55	305	70	14	55	37	-	95	95	-	15	9	\$ 2.91
BF360×45	360	75	14	45	33	-	102	228	-	19	9	\$ 2.69
BF380×90	380	90	15	90	70	-	155	255	-	44	9	\$ 6.34
BF480×90	480	90	16	90	70	-	170	310	-	44	9	\$ 8.97

## 5. Conveyor Sprockets

Nylon conveyor sprockets and idlers are available in a range of sizes to fit most conveyor types and models. This range of sprockets can withstand high intensity use in high impact conditions, with the added feature of being self lubricated.

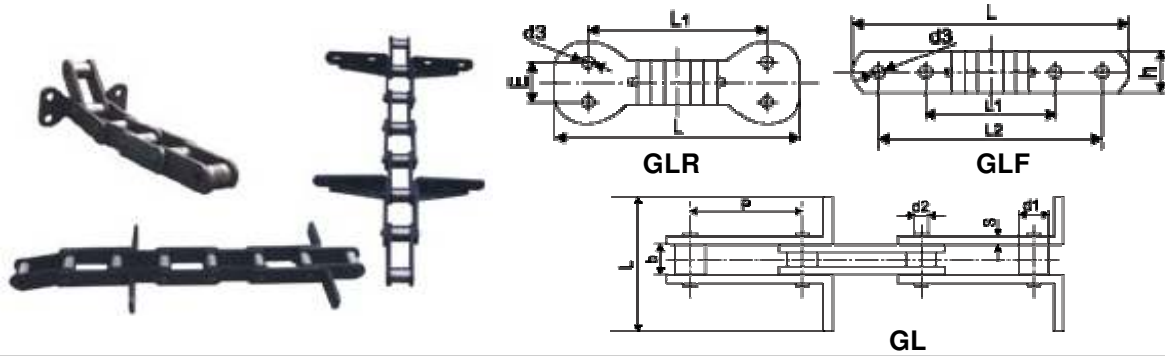


Model	A (mm)	B (mm)	$\delta$ (mm)	H (mm)	Pitch (mm)	No. Gears	Price (NZ\$)
TG381×7	φ18	φ87.8	12.5	25	38.1	7	\$ 4.63
TG381×8	φ26	φ99.3	20	50	38.1	8	\$ 13.94
TG635×5	φ20	φ108	17	45	63.5	5	\$ 13.83
TG662×4	φ20	φ89.8	25	57	66.5	4	\$ 8.40
TG662×5	φ20~25	φ100	25	57	66.5	5	\$ 13.20
TG662×6	φ26	φ125	25	57	66.5	6	\$ 16.11
TG667×5	φ25	φ115.6	24	47	68	5	\$ 10.80
TG680×5	φ26	φ115.6	25	35	68	5	\$ 15.54
TG762×5	φ25	φ129.6	22.5	50	76.2	5	\$ 20.17
TG1000×5	φ25	φ170.1	34.2	70	100	5	\$ 33.03

## 6. Conveyor Chain

Conveyor chain is made from carbon steel and available in three styles: GLR, GLF and GL as shown below:

1. Model GLR: suits the round conveyor flighting of section 4.1
2. Model GLF: suits the square conveyor flighting of section 4.2
3. Model GL: is for situation with neither of the above flighting types



Model	P (mm)	b <sub>1</sub> (mm)	d <sub>1</sub> (mm)	d <sub>2</sub> (mm)	H (mm)	S (mm)	L (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	E (mm)	d <sub>3</sub> (mm)	Load (N)	Price (NZ\$/m)
GLR60	60	25.3	22.23	11.1	30	5	130	102	-	32	9	90	\$ 76.80
GLR665(5)	66.5	26.5	22.23	12	30	5	130	102	-	32	9	130	\$ 73.66
GLR665(6)	66.5	26.5	22.23	12	30	6	130	102	-	32	9	130	\$ 80.63
GLR665	66.5	26.5	22	12	30	5	160-270	102	228	-	9	130	\$ 75.54
GLF665	66.5	26.5	22	12	30	6	160-270	102	228	-	9	130	\$ 84.46
GL66.68	66.68	25.22	22.23	11.1	29	5	167.5	143.5	-	-	-	90	-
GLR68(4)	68	26	22	9.5	23	4	112.2	78.9	-	-	7	55	\$ 62.86
GLR68(5)	68	25.32	22.23	11.1	29	5	122	102	-	32	9	90	\$ 76.17
GLF76.2	76.2	30	30	11.1	40	6	230	95	195	-	9	110	-
GLR100	100	38.5	36	16	40	6	130	102	-	32	9	220	\$ 110.46
GLF100	100	38.5	36	16	40	6	225-305	104	194	-	9	220	\$ 110.46
GL100	100	29.6	22.3	11.1	29	5	185.6	155.6	-	-	-	90	\$ 82.51
GL125	125	32.5	28.58	14.27	42	6	235.5	195.5	-	-	-	170	\$ 97.77
GL125(1)	125	32	25	17	60	6	260-305	115	235-268	-	9	220	\$ 112.40
GL160	160	27	32	14.27	45	6	290	250	-	-	-	194	\$ 109.20

## 7. Sieve Accessories

We provide an extensive range of replacement sieve accessories, all made from strong hard wearing quality materials.

Type	Model	Price (NZ\$)	
Sieve Cleaner	Cotton Belt Type	\$ 0.67	
	Small One	\$ 0.67	
	Big One	\$ 1.05	
	Triangle with Brush	\$ 1.33	
	Triangle with Nail	\$ 1.20	
Pan Cleaner	Cross	\$ 1.27	
	Diamond	\$ 1.65	
	Quadrilateral	\$ 2.16	
	Triangle	\$ 3.68	
	Plum	\$ 3.11	
Rubber Ball	φ16	\$ 0.10	
	φ19	\$ 0.13	
	φ22	\$ 0.17	
	φ24	\$ 0.19	
	φ26	\$ 0.21	
	φ28	\$ 0.24	
	φ32	\$ 0.42	
	φ35	\$ 0.49	
	φ40	\$ 0.86	
	φ50	\$ 1.71	
	φ83	\$ 10.69	
Cleaning Brush	Brush	\$ 3.20	
	Brush Frame	\$ 2.11	
	Groove	\$ 1.49	
	Steering Pusher - Small	\$ 1.14	
	Steering Pusher - Big	\$ 2.86	
	Balance Hammer	\$ 3.49	
	Accessories - Steering Pusher - Small	\$ 17.14	
Accessories - Steering Pusher - Big	\$ 20.74		
Roller Brush	400mm	\$ 12.46	
	500mm	\$ 13.77	
	600mm	\$ 16.40	
	800mm	\$ 21.54	
	1000mm	\$ 24.51	
Silk Mesh	DM6-DM16	-	
Cotton Mesh	JMG12-JMG72	-	

## 8. Conveyor Screws

Conveyor screw spirals are produced with high quality materials using a cold roll technique and then hardened. This provides a strong spiral with a consistent uniform shape and smooth finish, which reduces product damage in increase transport efficiency. They are easy to install and have had physical and chemical surface treatment to resist rust.



Model	Material	Out Dia (mm)	In Dia (mm)	Pitch (mm)	Thickness (mm)	Length (m)	Price (NZ\$/m)
SLY160	Carbon Steel	φ160	φ42	120	3.5	2	\$ 31.77
SLY160		φ160	φ42	160	3.5	2	\$ 25.37
SLY200		φ200	φ48	160	3.5	2	\$ 38.11
SLY200		φ200	φ48	200	3.5	2	\$ 32.40
SLY250		φ250	φ60	200	3.5	2	\$ 45.71
SLY250		φ250	φ60	200	5	2	\$ 60.34
SLY250		φ250	φ60	250	3.5	2	\$ 36.80
SLY250		φ250	φ60	250	5	2	\$ 53.31
SLY320		φ320	φ76	220	3.5	2	\$ 44.46
SLY320		φ320	φ76	250	3.5	2	\$ 53.31
SLY320		φ320	φ76	250	3.5	2	\$ 82.51
SLY320		φ320	φ76	320	5	2	\$ 66.69
SLY400		φ400	φ108	320	5	2	\$ 114.91
SLY400		φ400	φ108	400	5	2	\$ 99.03
SLY500		φ500	φ133	400	5	2	\$ 142.86
SLY500		φ500	φ133	500	5	2	\$ 128.91
BLY100	Stainless Steel	φ100	φ32	100	3	According to Customer's Request	-
BLY120		φ120	φ38	120	3		-
BLY160		φ160	φ42	160	3		-
BLY200		φ200	φ48	200	4		-
BLY250		φ250	φ60	250	4		-
BLY320		φ320	φ76	320	4		-



See also:

# Grain Tech - Muyang Product Catalogue 2005

Featuring an extensive range of feedstuffs processing & bulk materials handling equipment



Bulk Storage Silos - 10-10,000 metric tons capacity



Greenfield Mill with annual capacity of 120,000 metric tons - high grade livestock and poultry feed.



Greenfield Site - Shrimp Feed Manufacturing Plant



General Feedstuffs Installation - complete remodel

## *Muyang/Grain-Tech: Design, Manufacture, Installation*

The Muyang Group Co. and Grain Tech Engineering have co-operated together over the past fourteen years for the supply of bulk materials handling and processing equipment and complete projects throughout Australasia offering a total capability of Design, Project Management, Equipment Supply, Installation and Commissioning within the Bulk Materials

Handling and Associated Cereals Processing Industries. This co-operative approach has enabled Customers to make the most cost effective use of their resources according to individual specifications. Using our most up-to-date techniques, we can meet your requirements.



Fully Computerized Control System (From raw material receiving to finished products storage)



Shuidi King 968 Series Hammermill Capacity: 12 - 70 MTPH Power: 75 - 350 KW



Chaole Series Vertical Pulverizer Capacity: 1.2 - 3.5 MTPH Power: 90 - 132 KW



Computerized Proportioning System



Double Shaft Paddle Batch Mixer Capacity: 25 - 4000 Kg/Batch Power: 0.75 - 45 KW

### PROVIDING TOTAL CAPABILITY IN EQUIPMENT, SYSTEMS, PROCESSES FOR:

- PARTICLE SIZE REDUCTION
- MILLING
- CRUSHING
- PULVERIZING
- SCREENING
- GRADING
- SIFTING
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- PELLETING
- AGGLOMERATION
- EXTRUDING
- BULK MATERIALS HANDLING
- DRYING
- COOLING
- CONVEYING A



MUZL Series Pellet Press Capacity: 2.0 - 30 MTPH Power: 22 x 2 - 132 x 2 KW



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