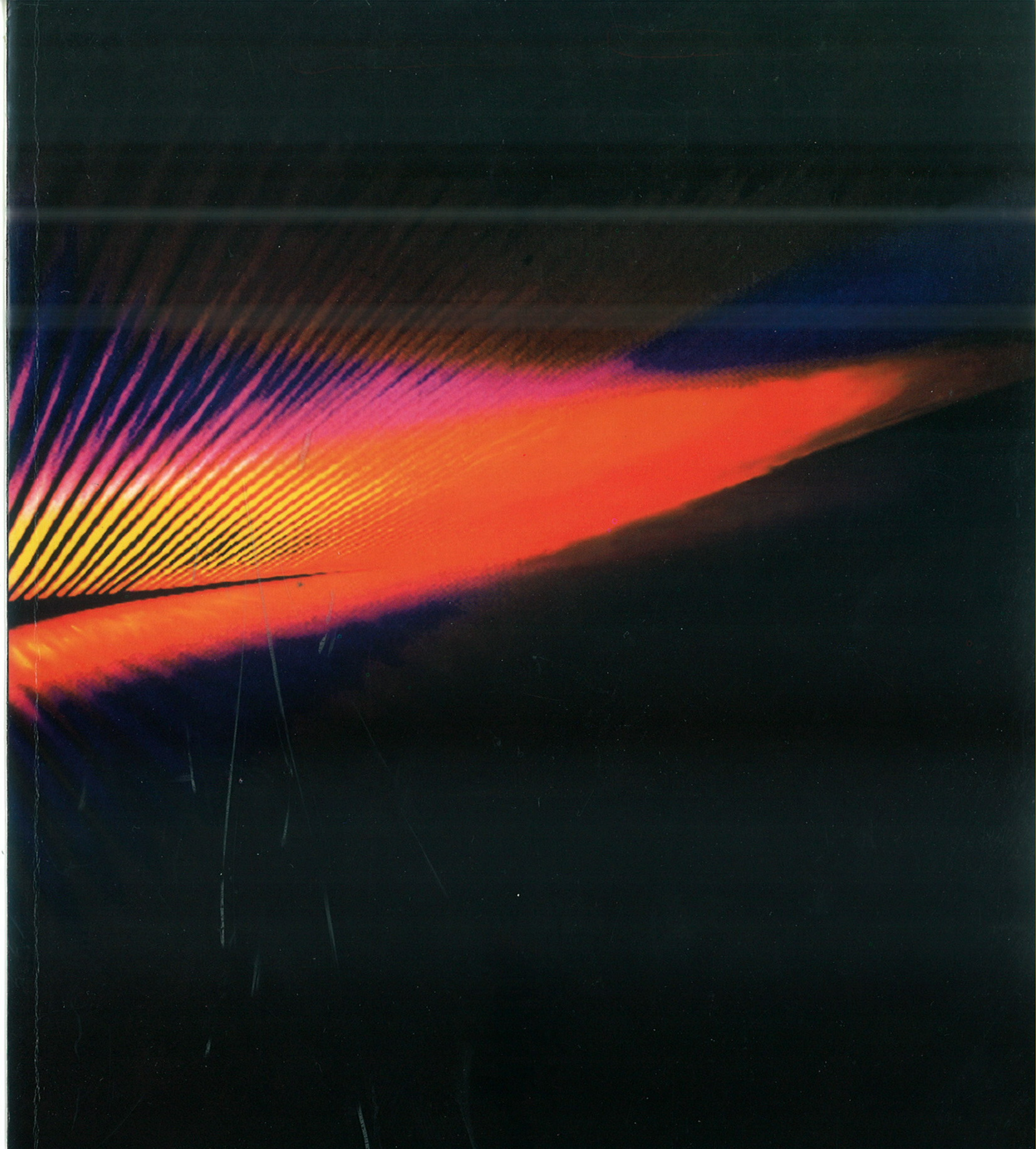

(株) 泰光프랜트

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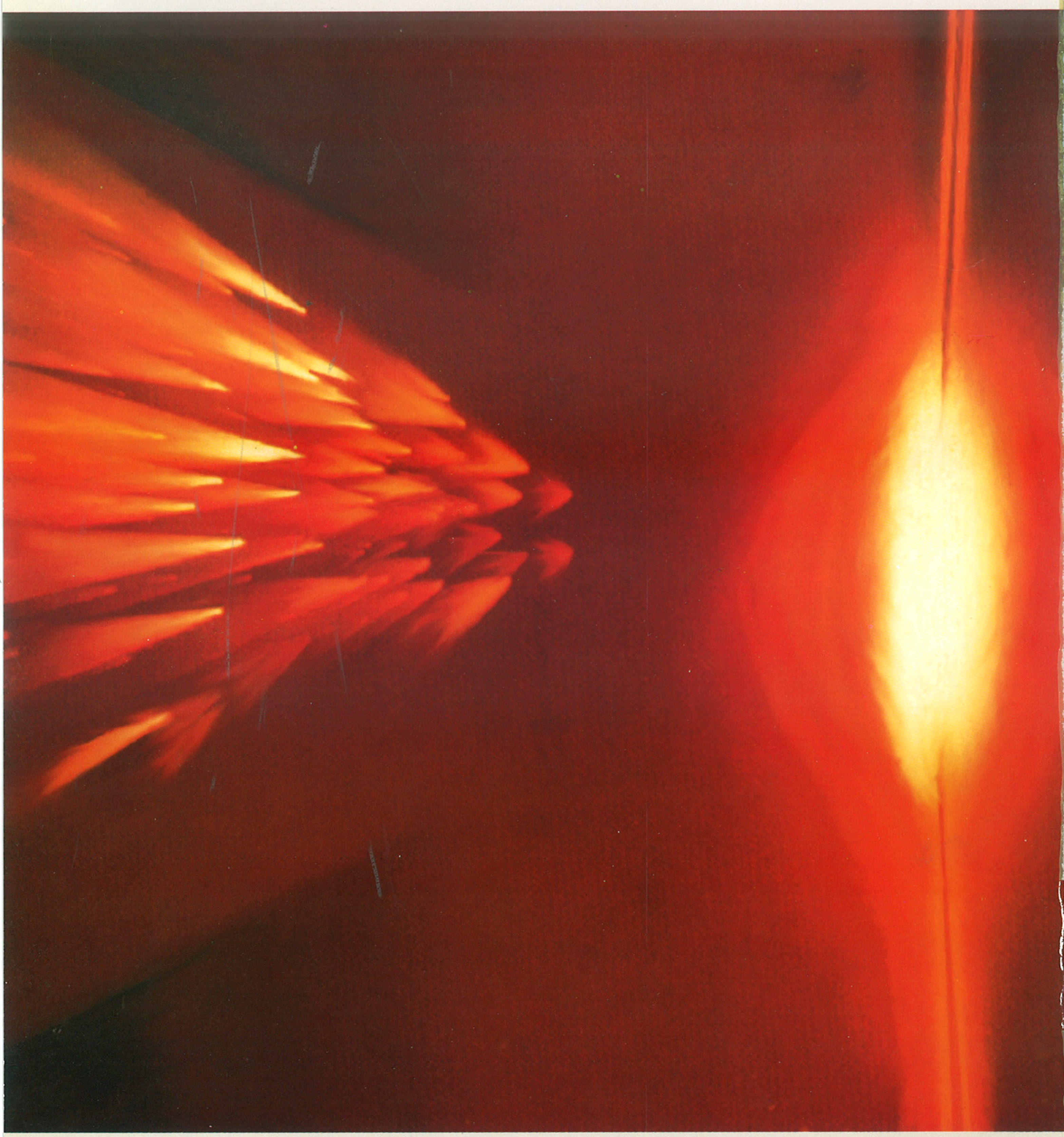
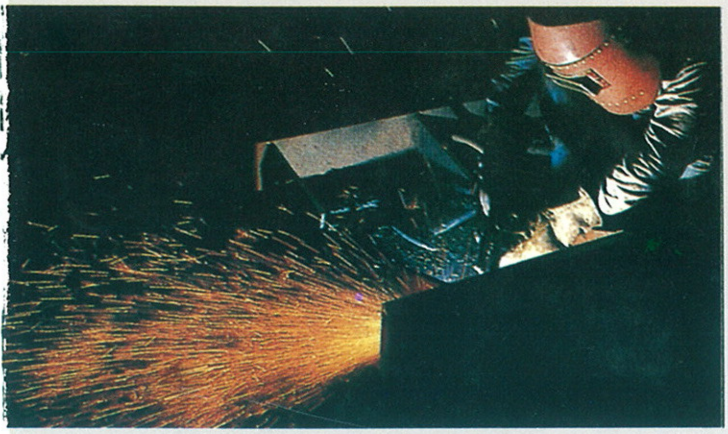
꿈 을 실현시키는 것은 「창조적 기술」입니다.

저희 태광 프랜트는
끊임없는 노력과 개척정신으로 창조적 기술개발을 행하여
국가 산업발전과 사회발전에 공헌하는 기업으로
보다 풍요로운 내일의 꿈을 위해 전력을 다하겠습니다.



목 차



(주) 태광프랜트
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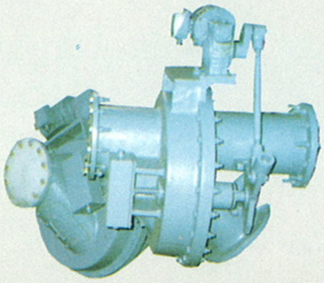
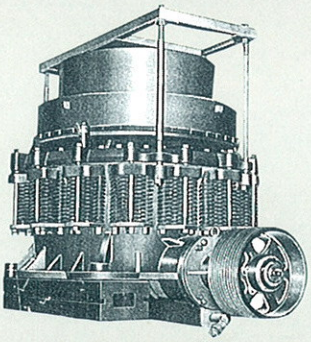
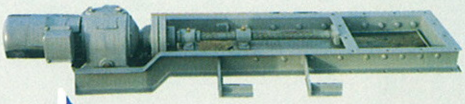
미래를 향한 도전과 개척!
보다 풍요로운 내일의 꿈을 창조하는
태광의 노력은 계속되고 있습니다.



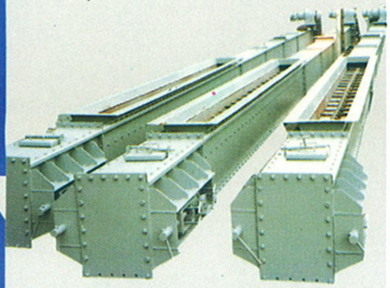
S.K. VALVE



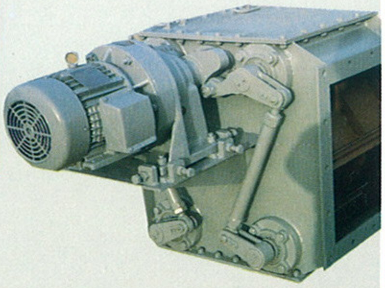
CONE CRUSHER



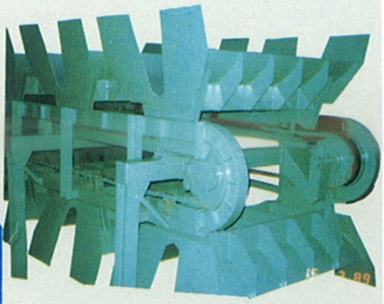
SLIDE GATE(MOTOR)



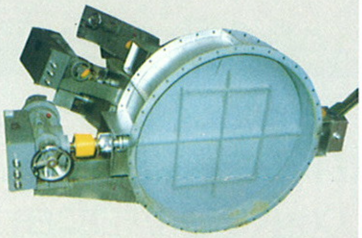
FLOW CHAIN CONVEYOR



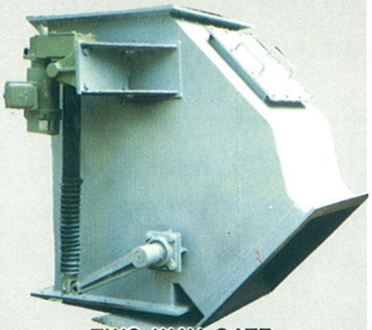
DOUBLE PENDULUM FLAP DAMPER



COIL APRON FEEDER



BUTTER FLY TYPE DAMPER



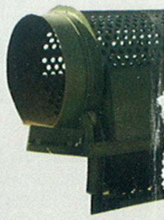
TWO WAY GATE

BUCKET ELEVATOR AND SILO

SAND

ASH

VIBRATING



DISCHARGE

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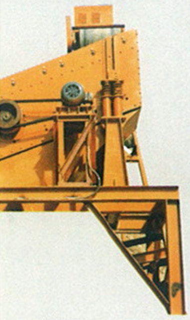
TAEKWANG EQUIPMENT

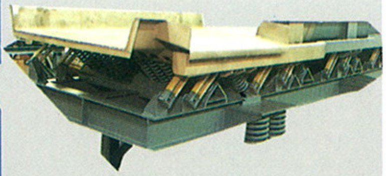

CLASSIFIER

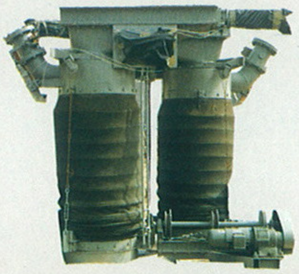

CONDITIONER


SCREEN


TROMMEL

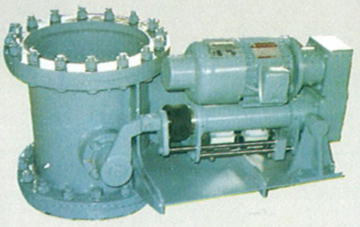

DEVICE

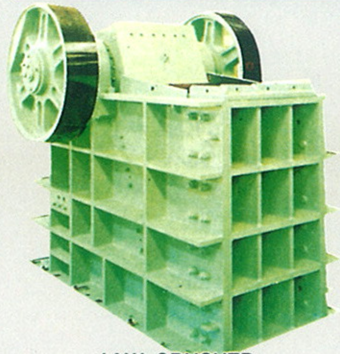

VIBRATING CONVEYOR

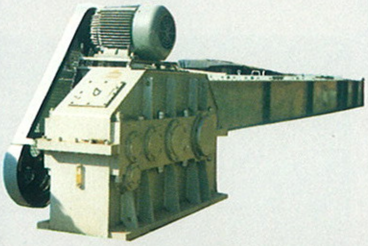

TELESCOPIC BULK LOADER

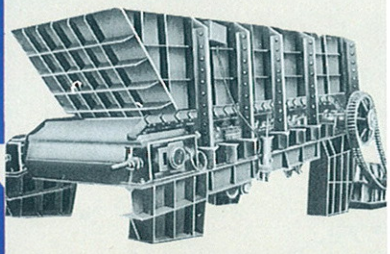

PELLETIZER

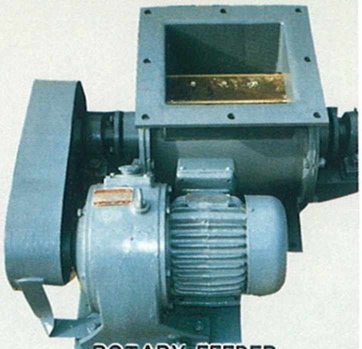

GRIZZLY FEEDER


DAMPER


JAW CRUSHER

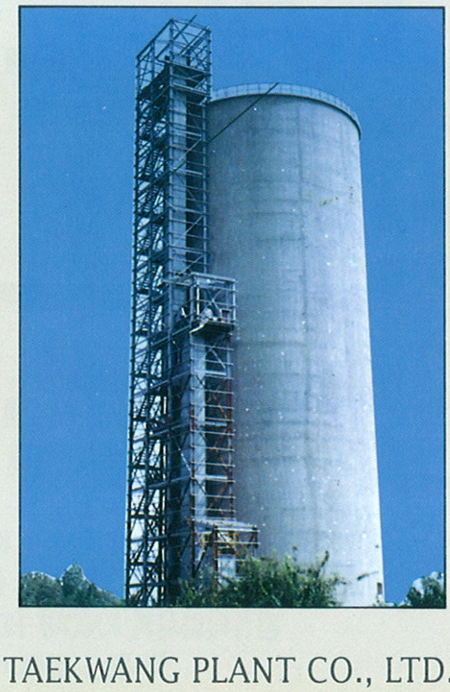

COAL FEEDER

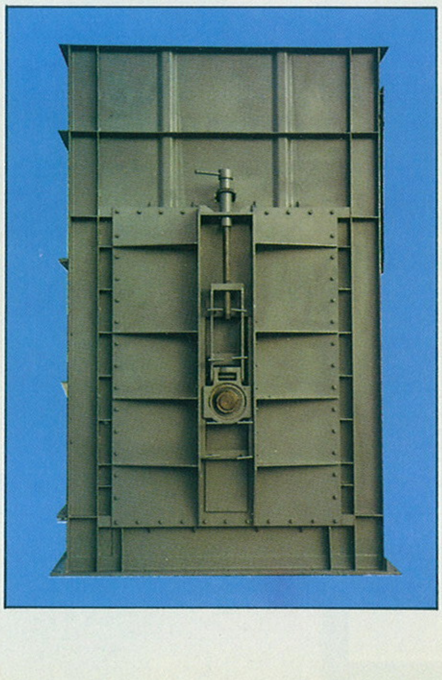

APRON FEEDER


ROTARY FEEDER

당사는 열병합발전 시스템, 소각설비 ASH HANDLING, 시멘트설비, 건장설비, 각종 산업설비 및 부대시설 프랜트에 이르기까지 수많은 프로젝트를 수행하였습니다.
또한 축적된 다양한 기술을 바탕으로 첨단기법의 CAD-CAM 및 CPM등 최신기술을 도입, 자체 설계 기술의 고도화 및 프로젝트 관리기법을 컴퓨터화시켜 KNOW-HOW를 구축하므로서 산업설비 건설분야에서 국내는 물론 해외 프랜트 건설에까지 참여하고 있습니다.

TAEKWANG BUCKET ELEVATOR





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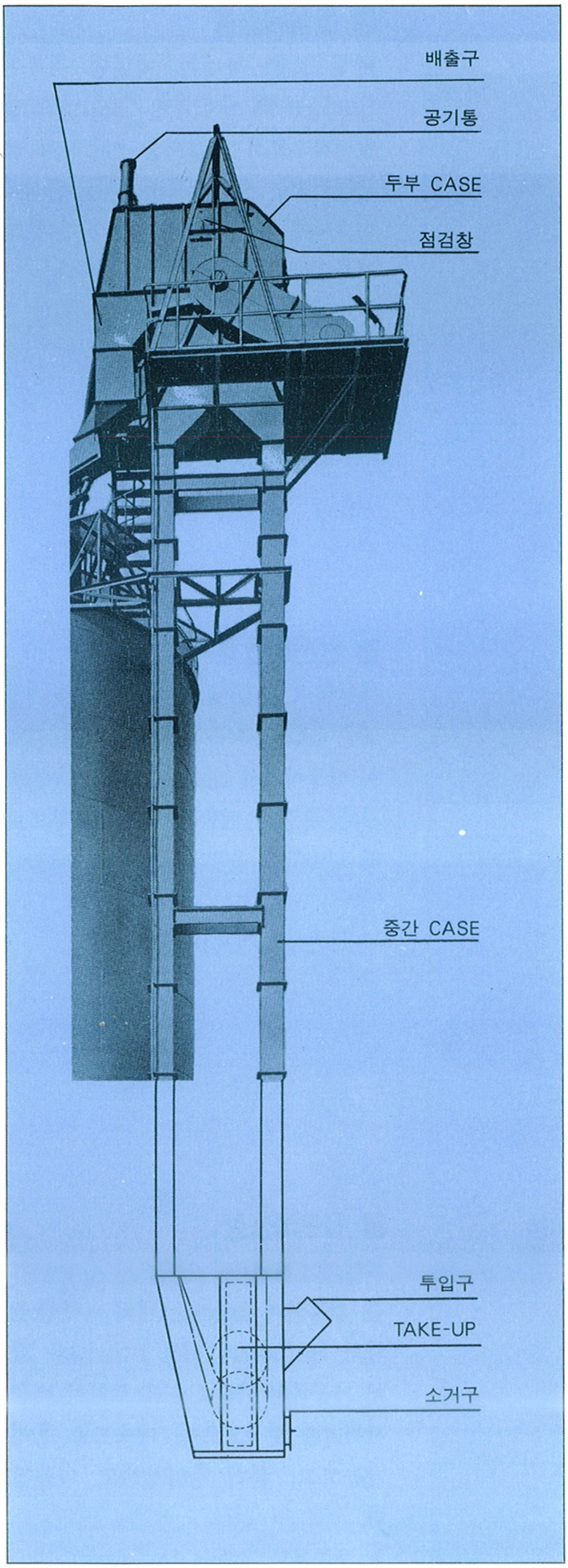


■ 구동마력의 계산

마력계산의 방법은 여러가지 있으나 설비모-타의 계산마력은 일반적으로 다음 경험식으로 구해지고 있습니다.

① 원심배출형

$$HP = \frac{Q \cdot C}{150}$$

② 유도배출형

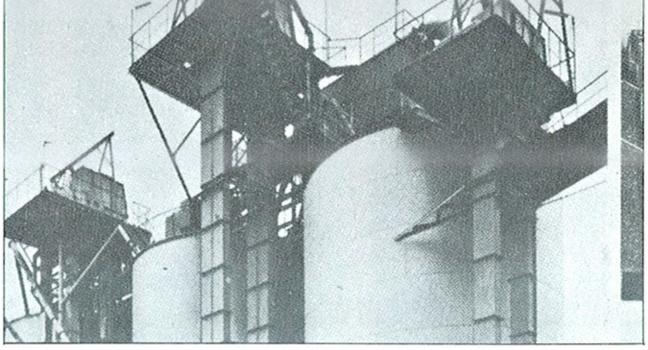
$$HP = \frac{Q \cdot C}{165}$$

Q : 바켓트에레베타의 수송용량(T/Hr)
C : 스프로겟트중심거리(양정)(m)

■ 수송용량의 계산

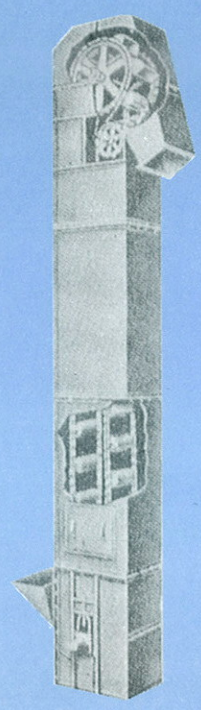
$$Q = V \cdot \frac{S}{P} \cdot \gamma \cdot \eta \cdot 60 \text{ (T/Hr)}$$

Q : 바켓트에레베타의 수송용량(T/Hr)
V : 바켓트 1개당의 용량(뒤표참조)(M^3)
S : 바켓트의 속도(m/min)
P : 바켓트의 취부피치(m)
γ : 수송물의 겉보기 비중(t/m^3)
η : 바켓트의 ①흡입효율 ②충진율(통상67%)

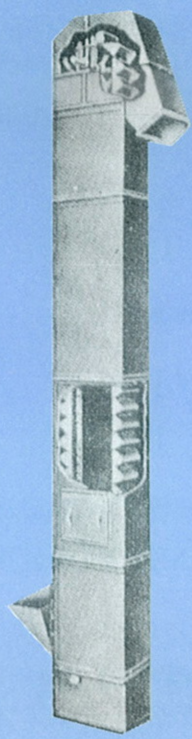


■ BUCKET ELEVATOR의 종류

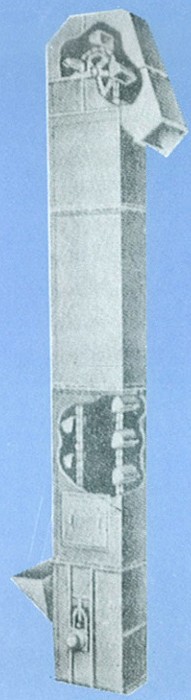
완전배출형



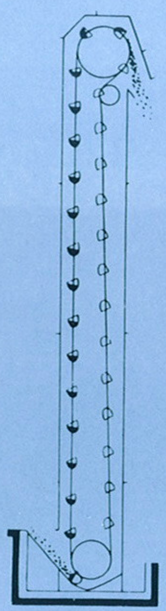
유도배출형



원심배출형

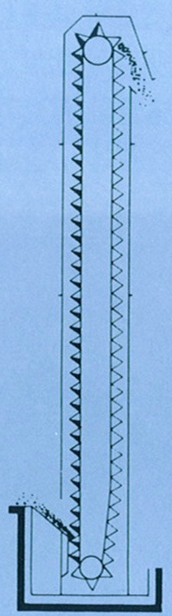


완전배출형



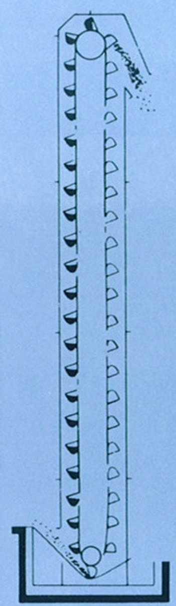
표준속도 14~15m/min

유도배출형



표준속도 10~40m/min

원심배출형



표준속도 50~100m/min

■ 원심배출형

단열 또는 복열의 체인에 취부된 Bucket내의 수송물을 Chain속도를 빨리하므로서 원심력을 이용하여 배출시키려는 형식으로서 다른 형식에 비교하여 설치비는 싸지만 각부의 소모가 심하여 유지비가 많이 든다.

- 표준속도 50~100m/min
- 수송용량 60T/HR

* BELT TYPE도 가능함

■ 완전배출형

복열의 Chain에 취부된 bucket를 배출 chute부에서 Snub Wheel로서 반전시켜서 bucket내의 수송물을 거의 완전히 배출시키려는 형식으로서 저속도로 운행되고 완전히 배출이 된다.

- 표준속도 14~15m/min

■ 유도배출형

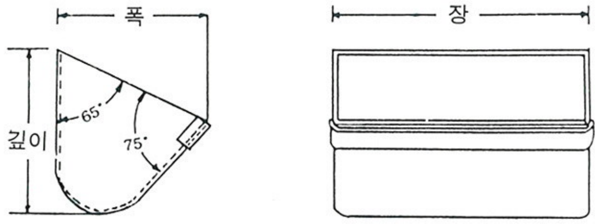
복열의 Chain에 연속으로 bucket를 취부하여 bucket내의 수송물을 앞의 bucket의 뒤를 chute와 같이 가공하여 이를 Guide로하여 배출시키려는 형식으로서, 저속도로 운행 가능하고, 특히 경사형에도 이용된다.

- **표준속도 10~24m/min**

■ 표준부품

● A형 바켓트

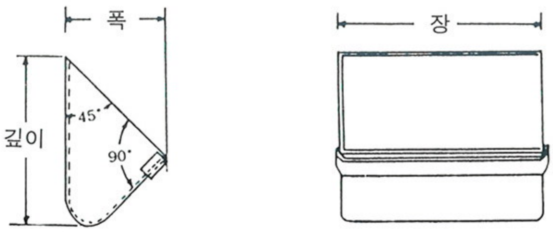
수직의 유도배출형 및 완전 배출형 바켓트 에레베타에 사용하는 것이 적합합니다.



장(mm)	폭(mm)	깊이(mm)	두 께(mm)	용 량(㎥)	중량(Kg)	장(mm)	폭(mm)	깊이(mm)	두 께(mm)	용 량(㎥)	중량(Kg)
125	85	95	2.3	0.00057	0.7	350	150	160	3.2	0.00466	3.7
150	100	110	2.3	0.00087	1.0	300	175	185	3.2	0.00545	3.9
200	100	110	2.3	0.00116	1.3	350	175	185	3.2	0.00636	4.5
150	125	140	3.2	0.00144	1.9	400	175	185	3.2	0.00855	5.1
200	125	140	3.2	0.00192	2.2	350	200	215	3.2	0.08855	5.4
200	150	160	3.2	0.00266	2.5	400	200	215	3.2	0.00980	6.0
250	150	160	3.2	0.00333	2.9	450	200	215	3.2	0.01104	6.6
300	150	160	3.2	0.00400	3.3					0.00727	

● B형 바켓트

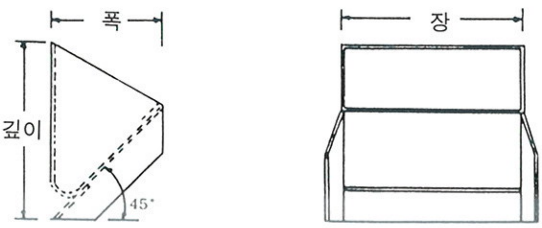
경사형 바켓트 에레베타에 사용하는 것이 적합합니다.



장(mm)	폭(mm)	깊이(mm)	두 께(mm)	용 량(㎥)	중량(Kg)	장(mm)	폭(mm)	깊이(mm)	두 께(mm)	용 량(㎥)	중량(Kg)
100	40	60	1.6	0.00012	0.24	200	140	190	3.2	0.00266	2.5
150	40	60	1.6	0.00018	0.34	250	140	190	3.2	0.00335	3.0
150	90	130	2.3	0.00089	0.9	300	140	190	3.2	0.00404	3.5
180	90	130	2.3	0.00108	1.1	350	140	190	3.2	0.00473	4.0
200	90	130	2.3	0.00120	1.25	300	165	230	3.2	0.00603	4.3
200	100	140	2.3	0.00142	1.3	350	165	230	3.2	0.00703	4.6
250	100	140	2.3	0.00178	1.55	400	165	230	3.2	0.00804	5.0
300	100	140	2.3	0.00215	1.8						

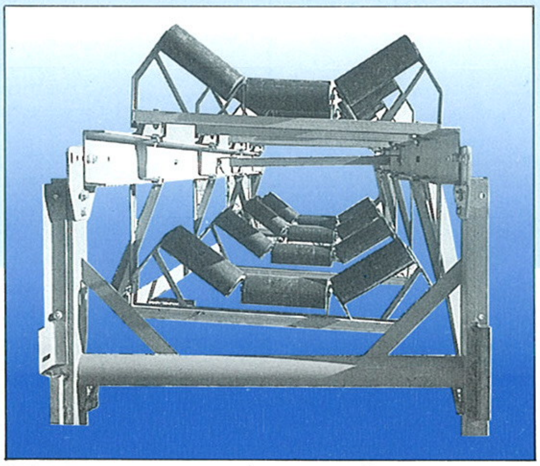
● C형 바켓트

수직 및 경사형식의 유도배출형 바켓트 에레베타에 사용하는 것이 적합합니다.



장(mm)	폭(mm)	깊이(mm)	두 께(mm)	용 량(㎥)	중량(Kg)	장(mm)	폭(mm)	깊이(mm)	두 께(mm)	용 량(㎥)	중량(Kg)
200	130	195	3.2	0.00226	2.95	400	200	295	3.2	0.01070	8.2
250	130	195	3.2	0.00283	3.5	400	230	345	4.5	0.01417	13.5
300	130	195	3.2	0.00340	4.1	450	230	345	4.5	0.01594	14.8
250	160	245	3.2	0.00446	4.5	500	230	345	4.5	0.01771	16.0
300	160	245	3.2	0.00535	5.2	500	270	395	4.5	0.22390	19.7
350	160	245	3.2	0.00624	5.75	550	270	395	6.0	0.02635	27.3
300	200	295	3.2	0.00802	6.8	600	270	395	6.0	0.02874	29.0
350	200	295	3.2	0.00935	7.4						

TAEKWANG BELT CONVEYOR



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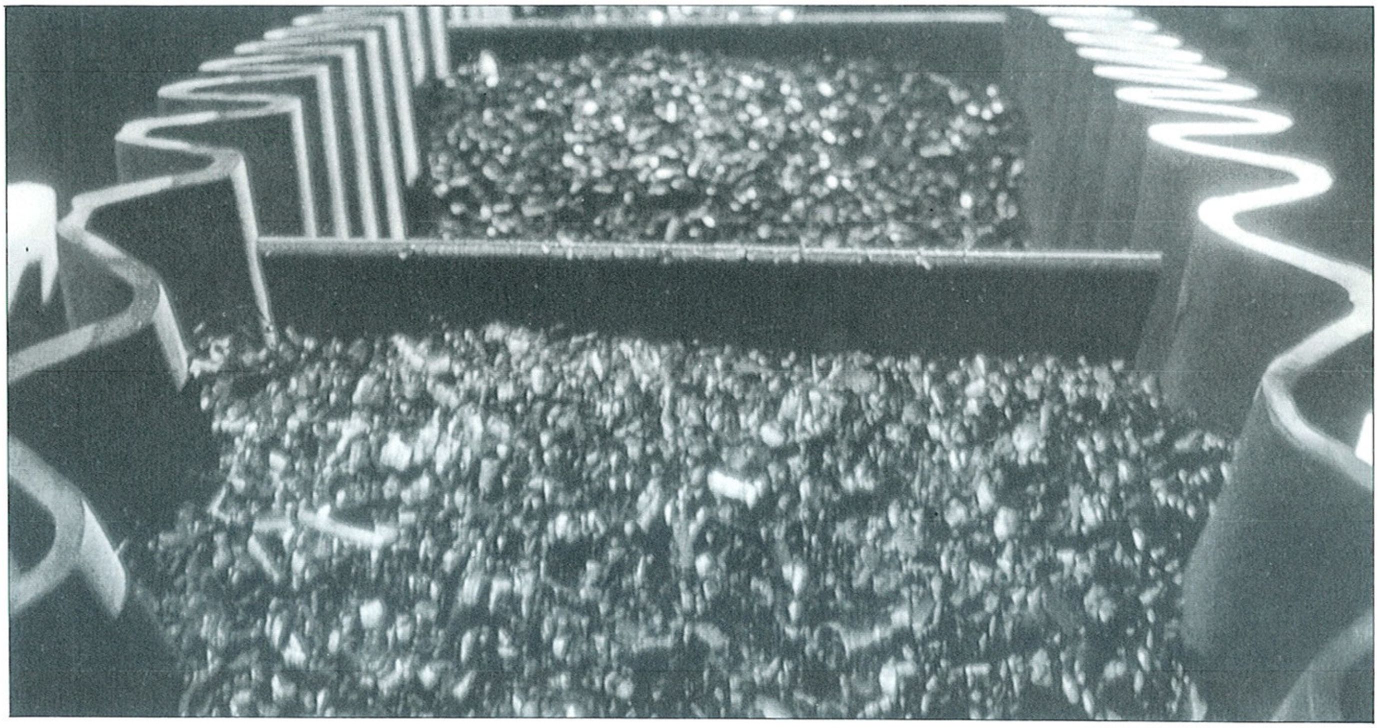
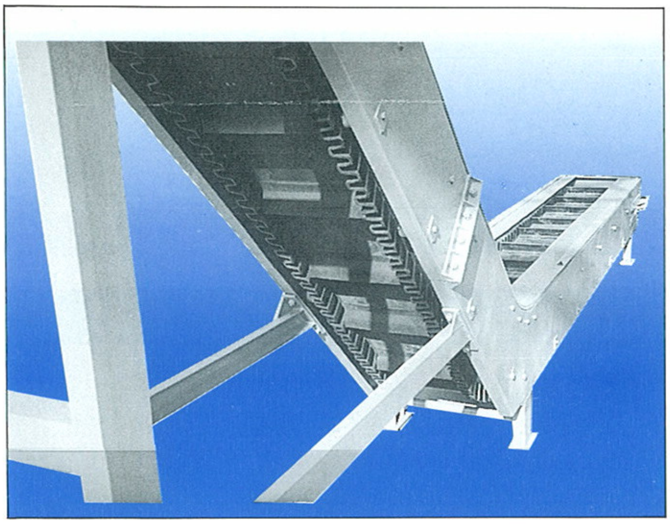
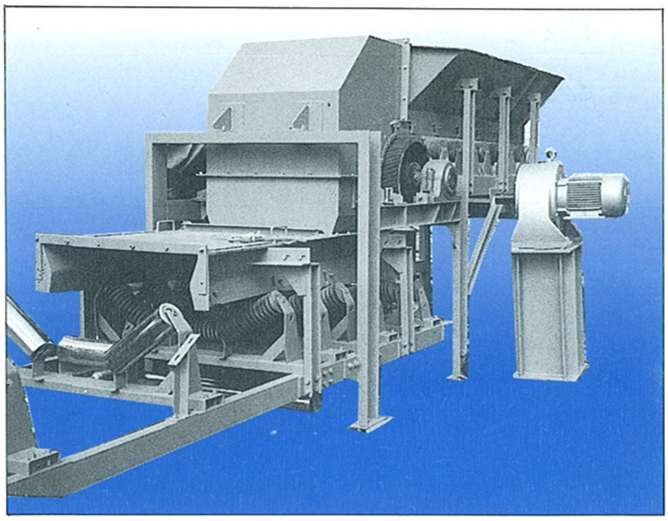
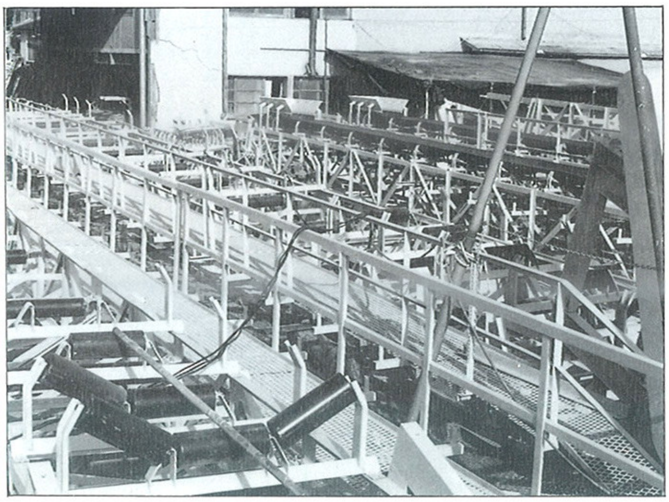
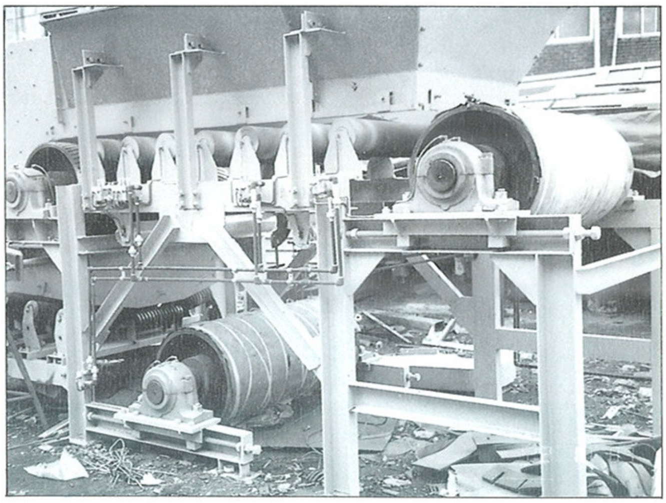
BELT CONVEYOR





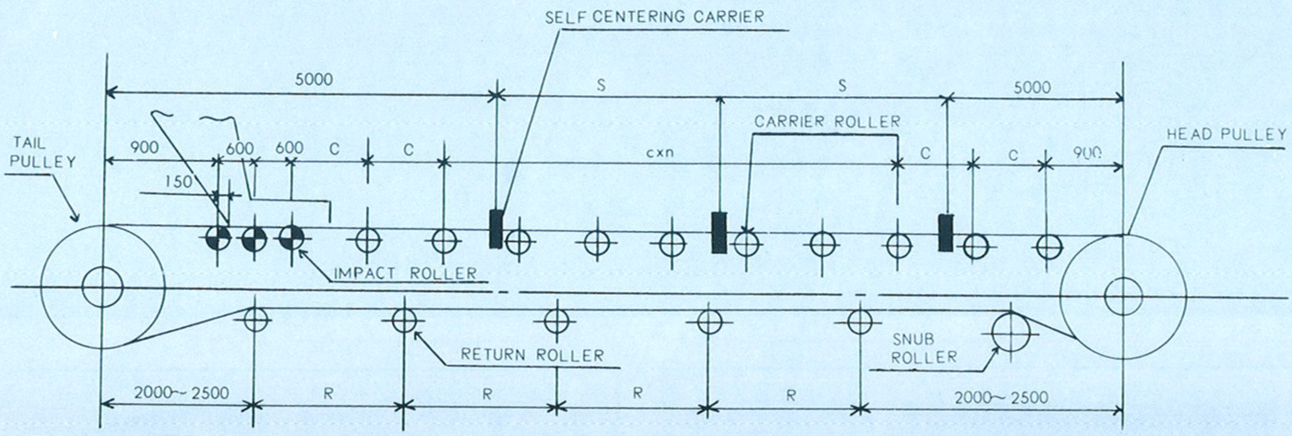






■ ROLLER의 간폭

ROLLER의 간격은 BELT 및 수송물중량에 관계되며 수송물비중이 클때 간격을 좁히고 비중이 작은 것은 ROLLER 간격을 넓히며 ROLLER와의 사이에 BELT가 처짐 현상이 발생하면 BELT의 내부응력이 커지며, 수송물이 ROLLER 위를 지날때 BELT의 피복고무를 상하게 할 수 있으므로 ROLLER의 간격 결정은 중요시하여야 합니다.



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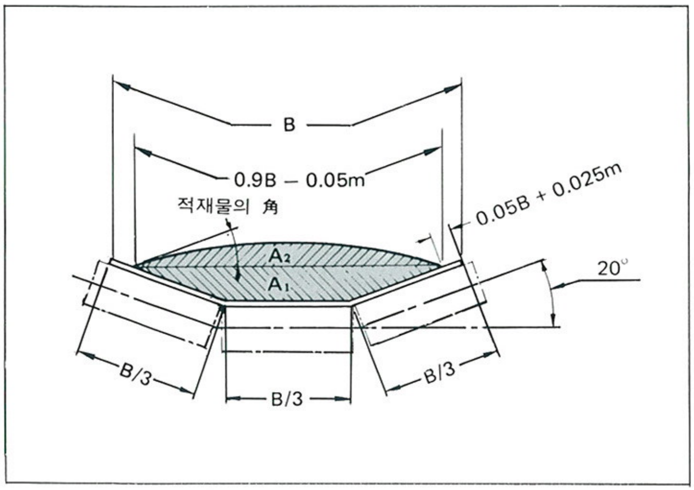
<tr><th>BELT WIDTH</th><th>MATERIAL</th><th>300</th><th>350</th><th>400</th><th>450</th><th>500</th><th>600</th><th>700</th><th>800</th><th>900</th><th>1000</th><th>1100</th><th>1200</th><th>1350</th><th>1500</th></tr>
<tr><td rowspan="5">CARRIER ROLLER (C)</td><td>0.5</td><td colspan="7">1500</td><td colspan="3">1350</td><td colspan="4">1200</td></tr>
<tr><td>0.8</td><td colspan="4">1500</td><td colspan="5">1350</td><td colspan="3">1200</td><td colspan="2">1050</td></tr>
<tr><td>1.2</td><td colspan="4">1500</td><td colspan="2">1350</td><td colspan="3">1200</td><td colspan="5">1050</td></tr>
<tr><td>1.6</td><td colspan="2">1500</td><td colspan="2">1350</td><td colspan="5">1200</td><td colspan="5">1050</td></tr>
<tr><td>2.4</td><td colspan="3">1350</td><td colspan="3">1200</td><td colspan="3">1050</td><td colspan="5">900</td></tr>
<tr><td colspan="2">RETURN ROLLER(R)</td><td colspan="4">3000</td><td colspan="4">2700</td><td colspan="6">2500</td></tr>
<tr><td colspan="2">SELF CENTERING CARRIER(S)</td><td colspan="2">9000</td><td colspan="5">12000</td><td colspan="4">15000</td><td colspan="3">17000</td></tr>
</table>

■ BELT CONVEYOR의 이론운반량(m^3/h)

(BELT SPEED V=1m/sec)

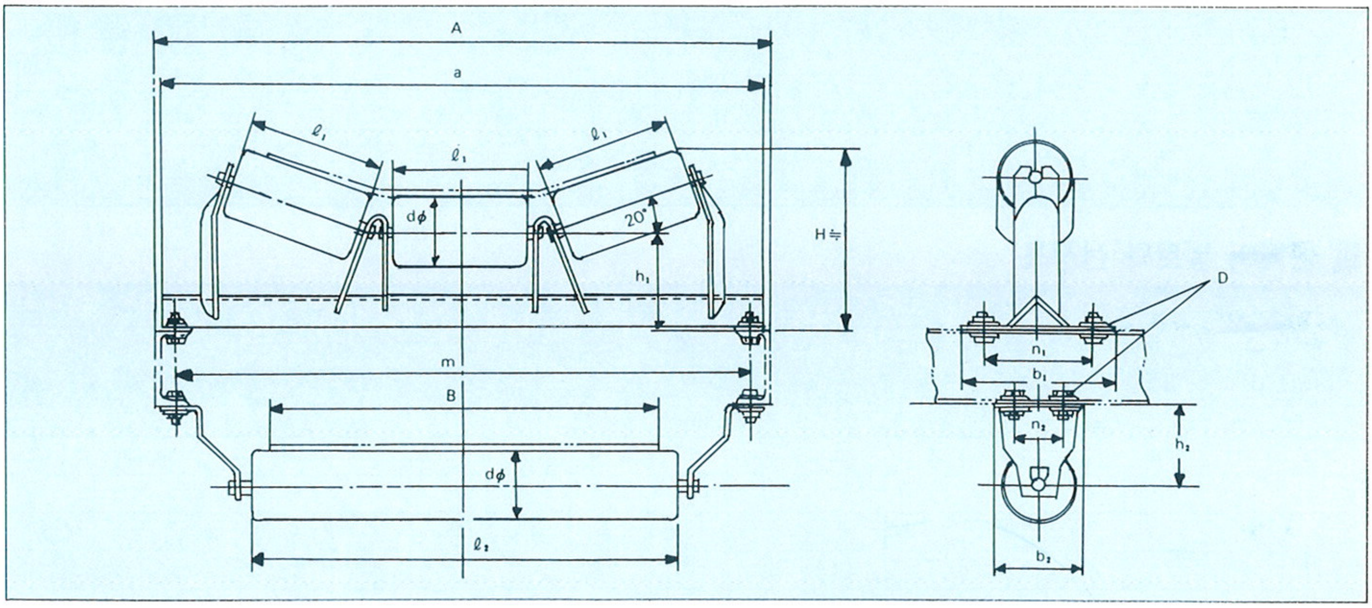
BELT / TYPE	BELT WIDTH(mm) 400	500	650	800	1000	1200	1400	1600	1800
FLAT BELT Q	23	38	69	108	173	253	351	484	592
TROUGH BELT Q	42	70	126	197	318	467	645	850	1085



$$Q_m = 60 \times A \times v$$
$$= 60 \times K \times (0.9B - 0.05)^2 \times v$$

A = 적재물의 단면적(m^2)
v = Belt의 속도(m/min)
r = 비중 (t/m^3)
k = 적재물의 각에 의한 계수
B = Belt Width

적재물의 각	10°	20°	30°
K	0.0963	0.1245	0.1538



벨트폭	로라경	캐리어로라치수								리턴로라치수				볼트	STAND	중량 Kg	
B	b	ℓ_1	A	a	b_1	m	n_1	h_1	H	ℓ_2	b_2	n_2	h_2	D	L 형 강	캐리어	리턴
400		145	700	626		640			223	460						13.5	8
450		165	750	676		690		125	230	510						15	8.5
500	89.1	180	800	726	210	740	140		235	560					L50×6	16	9
600		210	900	826		840		125	245	660			100			17	10.5
700		250	1000	926		940		(134)	259	760						20	11.5
750		265	1050	1040		990			318	810	120	60		W1/2		28	15
800	114.3	280	1100	1090	230	1040	160	167	323	860					L75×6	29	15.5
900		310	1200	1190		1140			334	960						31	17
1000		345	1300	1290		1240			373	1060					L75×9	48	25
1100	139.8	380	1400	1390	240	1340	180	180	386	1160			140		L90×10	50	27
1200		420	1500	1490		1440			399	1260						54	29
1400		500	1800	1790	360	1730	280	250	499	1530	220				L100×10	95	50
1600	165.2	580	2000	1990		1930			526	1730					L130×9	110	60
1800		650	2300	2290	430	2220	330	280	580	2000	230	120	160	W5/8	L150×11	150	70
2000		730	2500	2490		2420			608	2200						160	80

BELT CONVEYOR

■ 벨트 콘베어 참고표

규격		원료괴와 입의 혼합			벨트속도M/min			운 반 용 량(t/h) 단 1M³ =1,000kg의 경우												
벨트폭		괴	입자	입자	표준속도	최대속도		평형캐리어의 경우는 하기의 40%로 됨												
		100%	90%	80%		토석사탄	광석	벨 트 속 도 M/Min												
m/n	in	괴의 크기 m/mφ						20m/min	30	40	50	60	70	80	90	100	110	120	150	180
300	12″	440	65	50	60	90	75	9t/h	12t/h	14t/h	21t/h	25t/h	30t/h	32t/h	37t/h	40t/h	45t/h	50t/h	-	-
350	14″	550	75	65	60	90	75	13	18	20	30	36	40	45	54	60	65	70	-	-
400	16″	660	100	90	60	120	75	17	22	30	34	45	52	60	68	75	80	90	110	-
450	18″	75	125	110	75	120	90	22	30	38	43	58	64	75	90	95	100	115	140	-
500	20″	90	160	140	90	120	90	27	36	48	54	72	84	94	100	108	125	145	180	215
600	24″	115	200	180	90	120	90	39	53	66	77	105	115	135	150	170	185	210	265	320
700	28″	140	250	200	105	150	90	52	75	78	103	147	167	187	220	240	260	295	370	440
750	30″	150	280	230	105	150	100	67	85	102	135	170	195	220	250	267	300	340	420	510
800	32″	165	300	270	110	150	100	87	95	135	173	195	220	250	290	310	340	390	490	590
900	36″	190	380	300	120	180	100	100	102	154	210	250	280	325	380	400	450	500	630	750
1,000	40″	210	400	350	120	180	110	120	135	205	255	320	370	420	480	500	560	640	790	950
1,100	42″	250	450	400	120	180	110	135	154	230	295	390	455	500	580	600	680	780	970	1,150
1,200	48″	300	550	450	120	180	120	156	205	280	320	470	520	600	710	760	830	940	1,200	1,400
1,350	54″	350	600	500	135	180	120	205	300	400	500	600	700	800	920	1,000	1,100	1,200	1,500	1,800
1,500	60″	400	700	550	135	180	120	280	390	550	650	780	900	1,000	1,100	1,250	1,400	1,500	1,900	2,300

■ 콘베어 벨트의 선정표

벨 트 폭		속도 m/min		트리퍼의 마력	최대속도시의 운반중량(t/h) 평벨트는 하기의 50%							벨트의 푸라이 수		주차의 경 m/m		아이드라 핏치 (m/n)
					코크스	탄	소괴	석탄	시멘트	쇄석	광석					
mm	in	표준	최대		0.45t/m	0.7t/M³	0.75t/M³	0.8t/M³	1.5t/M³	1.5t/M³	2.5t/M³	최소	최대	헤드	테일	
300	12″	50	90	1HP	15t/h	24t/h	26t/h	28t/h	52t/h	52t/h	87t/h	3	4	350φ	250	1,500
350	14″	55	90	1HP	21	33	35	38	70	70	120	3	4	400	300	1,500
400	16″	60	90	1HP	28	43	47	50	94	94	150	4	5	450	350	1,500
450	18″	75	105	1.5HP	41	64	68	74	140	140	230	4	5	500	400	1,500
500	20″	80	105	1.5HP	50	79	85	90	170	170	280	4	6	600	450	1,250
600	24″	90	120	1.5HP	84	130	96	150	280	280	460	4	6	700	550	1,250
700	28″	95	135	2HP	128	200	210	230	425	425	720	5	7	800	650	1,200
800	32″	100	150	3HP	185	200	310	330	630	630	1,040	5	8	900	900	1,150
900	36″	105	150	3.5HP	235	490	390	415	790	790	1,300	6	8	1,000	1,000	1,150
1,000	40″	120	165	4HP	320	500	530	565	1,060	1,060	1,750	6	10	1,100φ	1,100φ	1,100
최	대	경	사	(도)	17°	15°	15°	22°	18°	18°	17°	운반중량(t/h)는 통형캐리어의 경우				

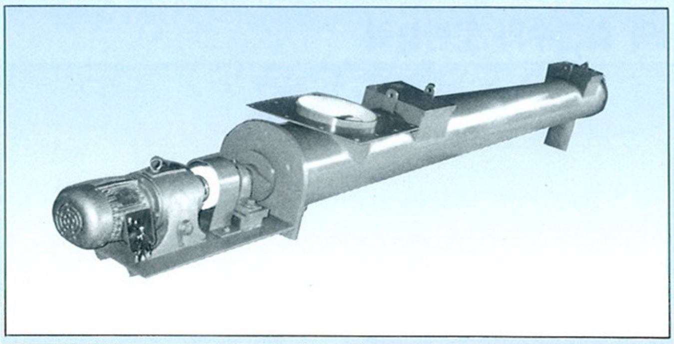
■ 벨트 콘베어 마력계산식

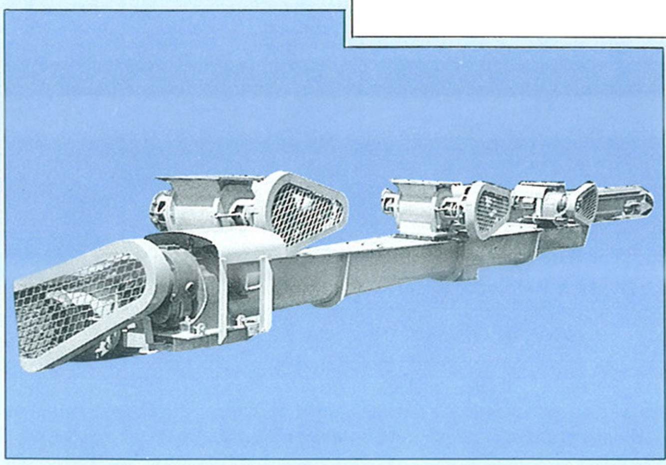
	$\text{B HP} = \dfrac{(C_1 V + C_2 Q) l}{75} + \dfrac{QH}{270}$
C_1	무하중의 콘베어 주행저항 Kg/M
C_2	부하중의 콘베어 주행저항 Kg/M
Q	운반용량(t/h)
H	양 정 (M)
l	콘베어의 길이 (M)
V	벨트 속도 (M/S)

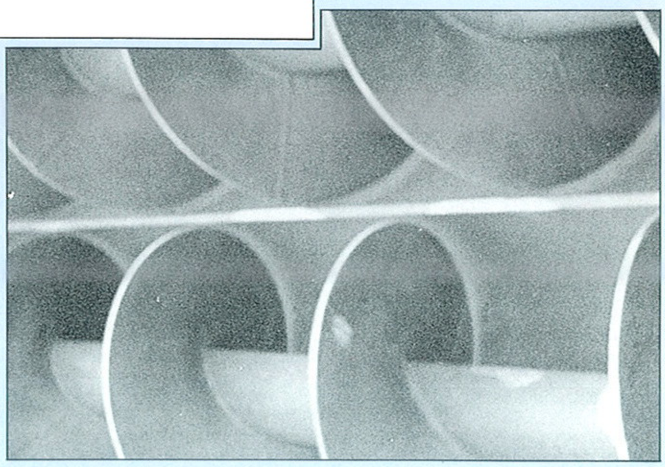
$\text{HP} = \dfrac{(\text{B HP}+\text{T HP}) \times C_3}{\eta}$			C_3 은 콘베어 길이에 대한 계수 T HP는 트립파마력 선정표에 의함
C_3 의 치	콘베어길이 15M까지 1.25	30M 1.15	40M 1.10	η (기계효율) 고속 0.8~0.85 저속 0.7~0.75

C_1 및 C_2 의 저 항 치(kg/M)											
기호 \ 폭	12″	14″	16″	18″	20″	24″	30″	36″	42″	48″	60″
C_1	0.95	1.10	1.54	1.98	2.48	2.94	3.60	5.21	6.39	6.97	9.38
C_2	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

TAEKWANG SCREW CONVEYOR





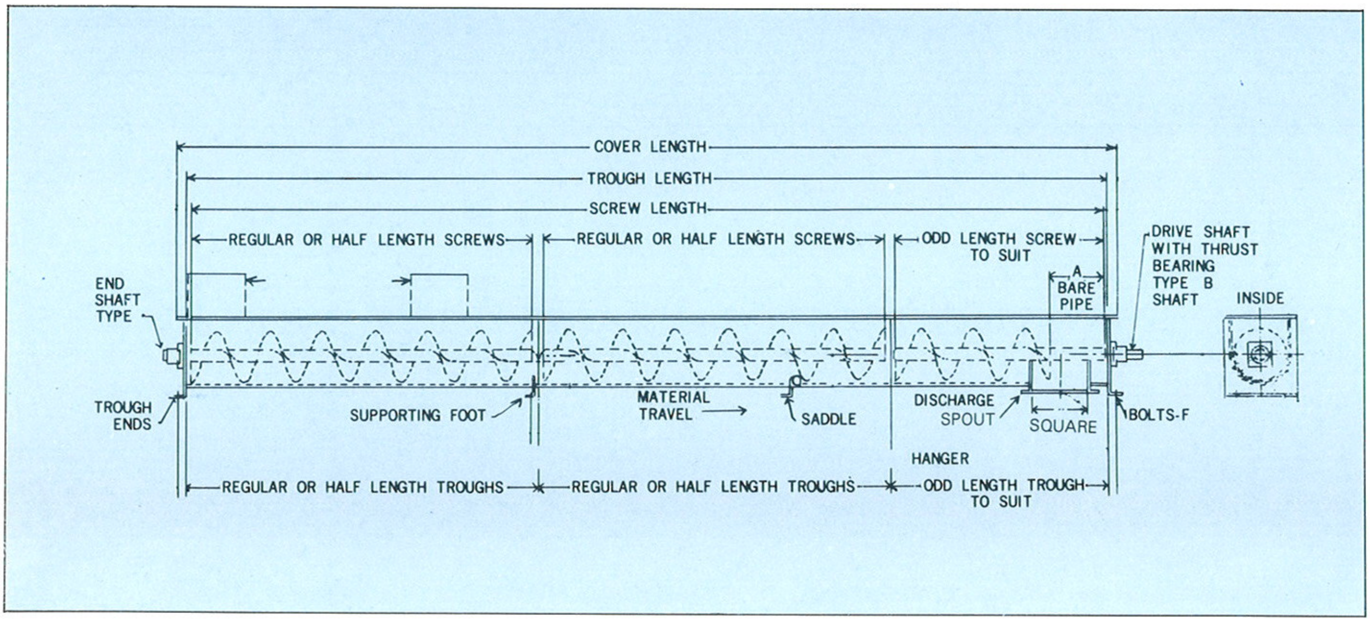


TAEKWANG PLANT CO., LTD.

SCREW CONVEYOR

■ SCREW CONVEYOR의 특징

일반적으로 SCREW CONVEYOR는 U자형의 TROUGH속이나 원통속에 SCREW 모양의 날개를 회전시켜 SCREW의 상호운동의 결과로서 운반물을 FEEDING 시키는 것으로 미분탄, 곡물, 비료, CEMENT등 산재물의 단거리운반에 널리 사용되며, 운반물의 밀폐가 용이하고, 공급점 및 배출점을 CONVEYOR 기장중 임의의 곳에 설치할 수 있는 특징이 있습니다. 기타 운반중에 가열, 냉각, 건조등의 공정에 아주 적당합니다.



■ SCREW CONVEYOR의 회전수와 운반능력

날개직경 Dmm	축직경 dmm	기장 Lmm	베어링길이 lmm	운반물의 입도크기		가볍고 부드러운것 (곡물)			무겁고 약간 마모성이 있는것 (석탄)			무겁고 마모성이 있는것 (사, 재)		
				입도균일 mm	최대덩어리 mm	날개두께 mm	R.P.M	운반량 m³/h	날개두께 mm	R.P.M	운반량 m³/h	날개두께 mm	R.P.M	운반량 m³/h
150 φ	40 φ	3000	50	15	40	3.2	185	9	3.2	100	5	4.5	75	3.8
200 φ	40 φ	3000	50	20	60	4.5	175	30	3.2	95	17	4.5	70	12
250 φ	50 φ	3000	50	22	65	4.5	160	40	4.5	85	36	6	65	15
300 φ	60 φ	3600	75	25	75	4.5	150	65	4.5	85	36	9	65	27
350 φ	75 φ	3600	75	30	90	4.5	150	100	4.5	80	55	9	60	40
400 φ	75 φ	3600	75	35	100	4.5	150	155	4.5	75	77	9	55	55
450 φ	75 φ	3600	75	40	115	4.5	130	190	6	65	95	9	50	68
500 φ	90 φ	3600	75	45	125	4.5	115	225	6	60	115	9	50	72
600 φ	100 φ	3600	100	50	150	6	100	345	9	50	170	12	40	137

SCREW CONVEYOR

■ SCREW CONVEYOR 소요동력

SCREW CONVEYOR의 동력은 SCREW와 CASE간의 마찰저항 및 SCREW, 축수의 형식등에 의하여 정해집니다. 일반적으로 다음식으로 구합니다.

$$H = C \cdot Q \cdot L/270$$

- L : SCREW CONVEYOR의 기장(m)
- C : 운반물의 성질에 의한 계수 ▶곡 류 : 1.2
  - ▶시멘트 : 2.5
  - ▶석 탄 : 5~7
- Q : 운반량 (ton/Hr)
- H : 소요마력(HP)
  - ※ MOTOR 마력 / Hm=1.2~1.3H

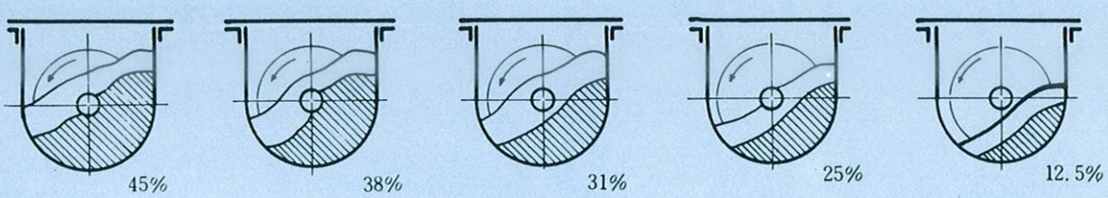
■ 운반량의 계산

SCREW CONVEYOR의 SCREW경 및 취부 피치, 회전수는 다음식으로 계산합니다.

$$Q=60\times\varphi\times\gamma\times\frac{\pi(D_1{}^2-d_1{}^2)}{4}\times S\times N$$

Q : 운반량 (Ton/Hr)
d_1 : screw shaft외경(M)
D_1 : SCREW의 외경 (M)
S : SCREW의 PITCH(M)
γ : 운반물의 겉보기 비중 (Ton/M^3)
N : SCREW의 회전수 (R.P.M.) 보통 N=50~120rpm
φ : 충만율 (φ=0.45~0.25 : 운반물의 성질에 의함)

SCREW DIA (mm)	최대회전수(R.P.M)		운 반 량(m^3/h)		소요동력 (kw/m) 수평1M당	
	25mm 석탄	분 탄	25mm 석탄	분 탄	25mm 석탄	분 탄
150ϕ	-	100	-	3.5	-	0.02
250ϕ	90	90	20	15	0.3	0.10
300ϕ	85	80	35	25	0.5	0.17
350ϕ	80	80	45	45	0.7	0.24
400ϕ	75	70	75	75	1.1	0.40



1
0.5~0.7T/m³정도
대상 : 미분탄, 석회분 곡류등 비마손 성의 분말상태

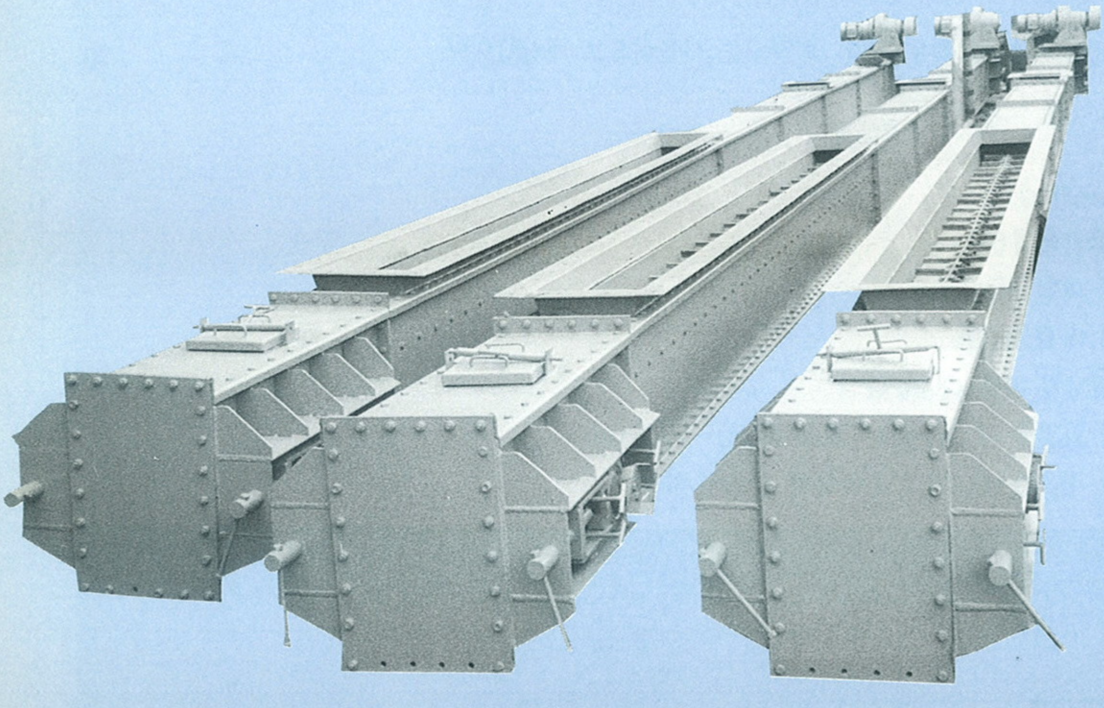
2
0.6~0.8T/m³정도
대상 : 혼합분말, 분탄 곡류등 비마손성의 분립 혼합물

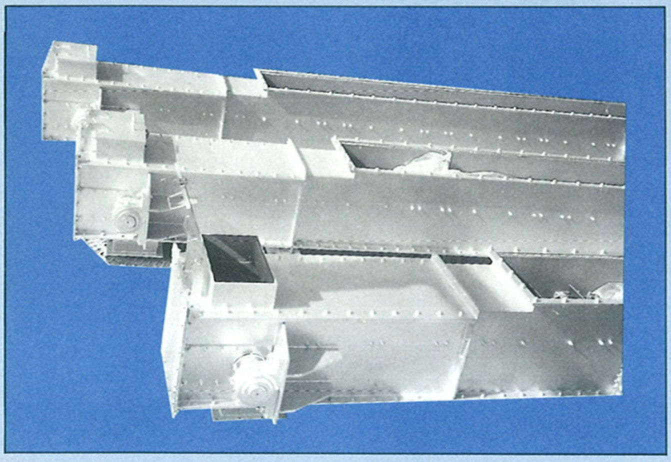
3
0.6~1.2T/m³정도
대상 : 소괴탄 정제 당염, 소다회 등의 비마손성 분립혼합물

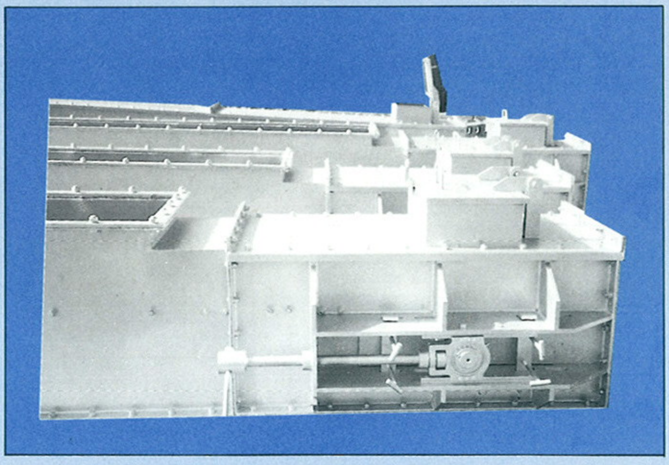
4
0.8~1.6T/m³정도
대상 : 시멘트, 석고, 석회 보크싸이트, 모래등 비마손성 소괴상태

5
대상 : 마손성의 괴상 태의 회, 연탄, 코크스 등

TAEKWANG FLOW CHAIN CONVEYOR







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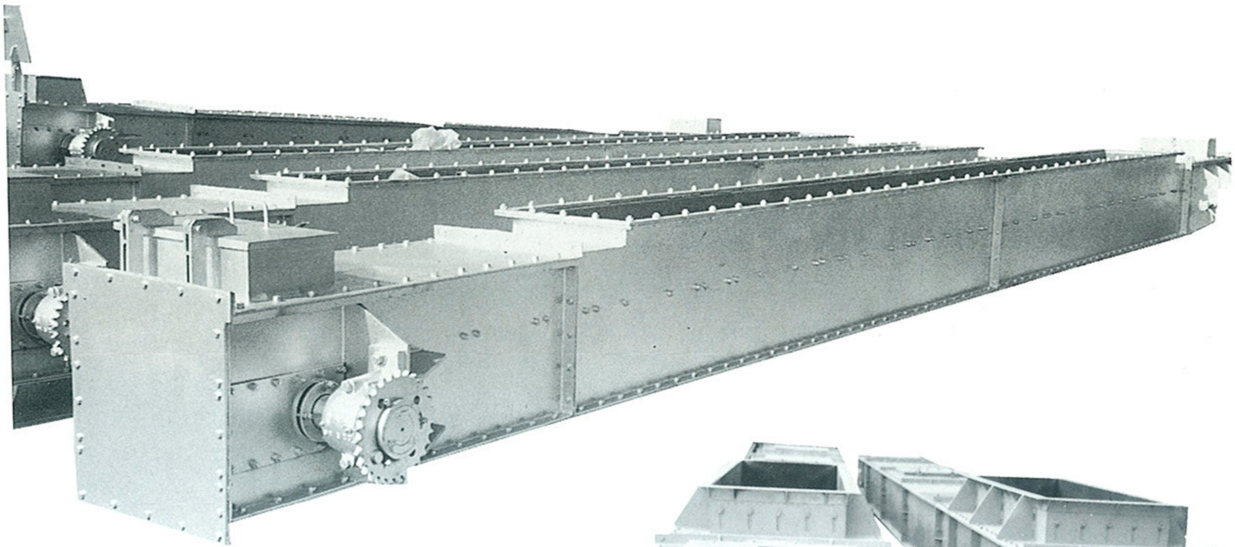
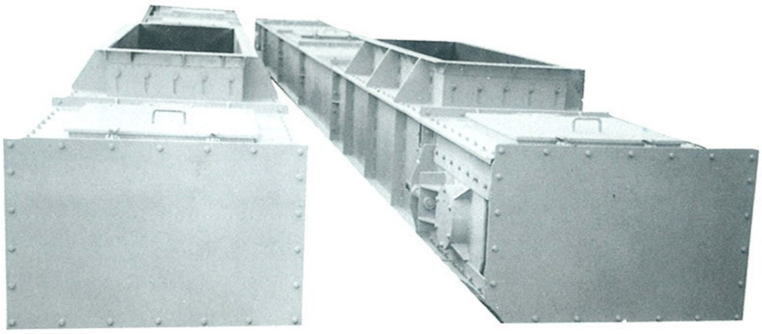
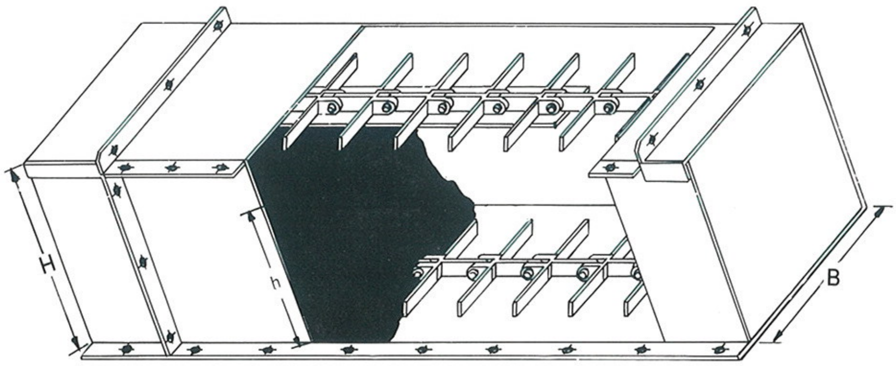
FLOW CHIAN CONVEYOR





■ HORIZONTAL FLOW CHAIN CONVEYORS

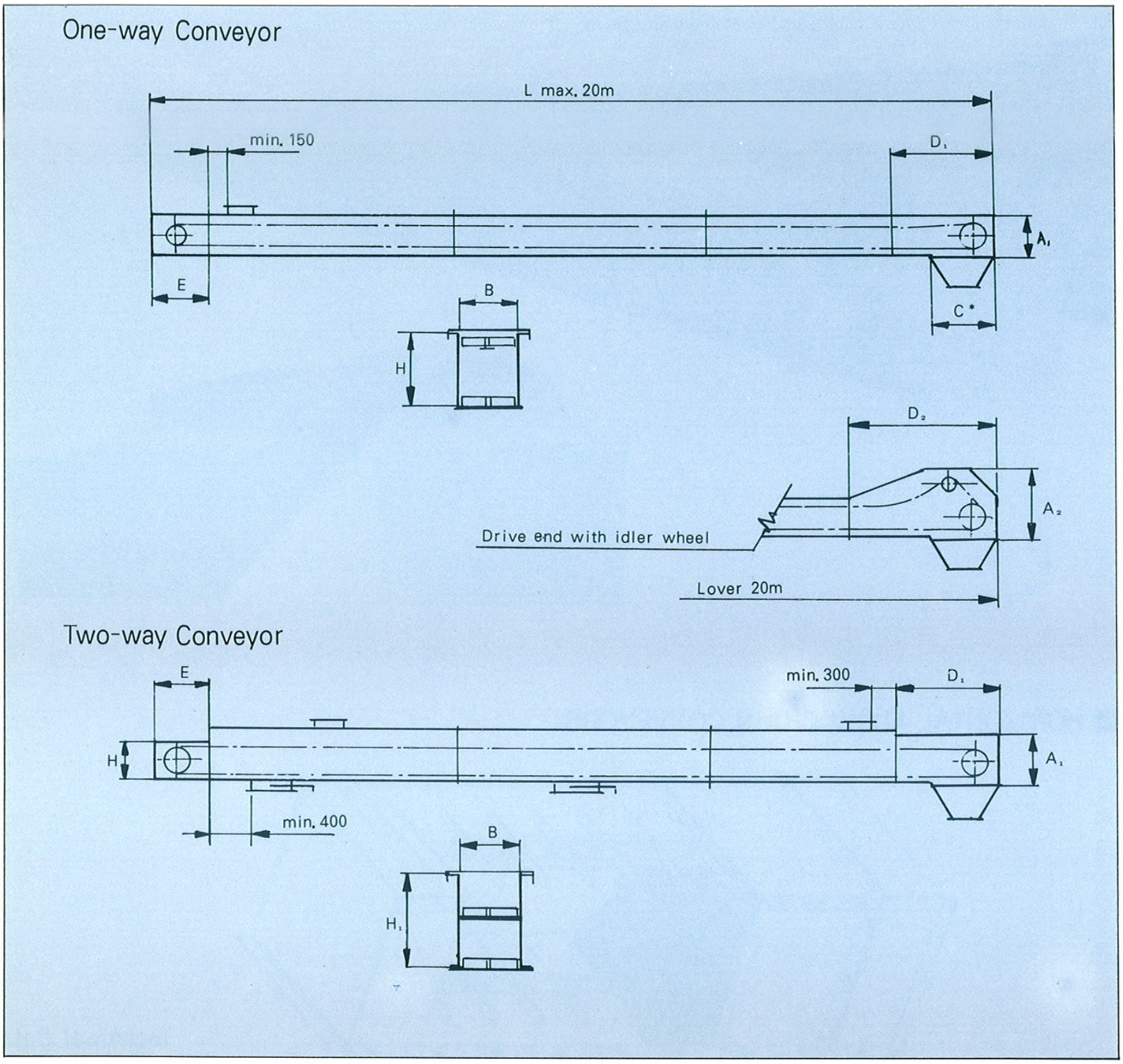


Technical Data

CASING NO.	B	H	h	Capacity m³/h at chain speed m/s 0.05	0.2	0.8	Max. length conveyor in meters at material weight t/m³ 1.5	1.0	0.5
TKFC 250	250	370	210	10	40	160	65	95	140
TKFC 320	320	470	280	16	64	255	45	65	100
TKFC 400	400	470	310	22	90	360	35	50	80
TKFC 400-1	400	570	360	26	105	420	30	45	70
TKFC 500	500	470	310	28	112	450	27	40	65
TKFC 500-1	500	570	410	36	145	580	22	33	55
TKFC 650	650	570	410	48	192	770	17	26	43
TKFC 800	800	570	410	59	236	940	20	29	45
TKFC 800-1	800	650	450	65	260	1040	30	40	70

■ HORIZONTAL FLOW CHAIN CONVEYORS

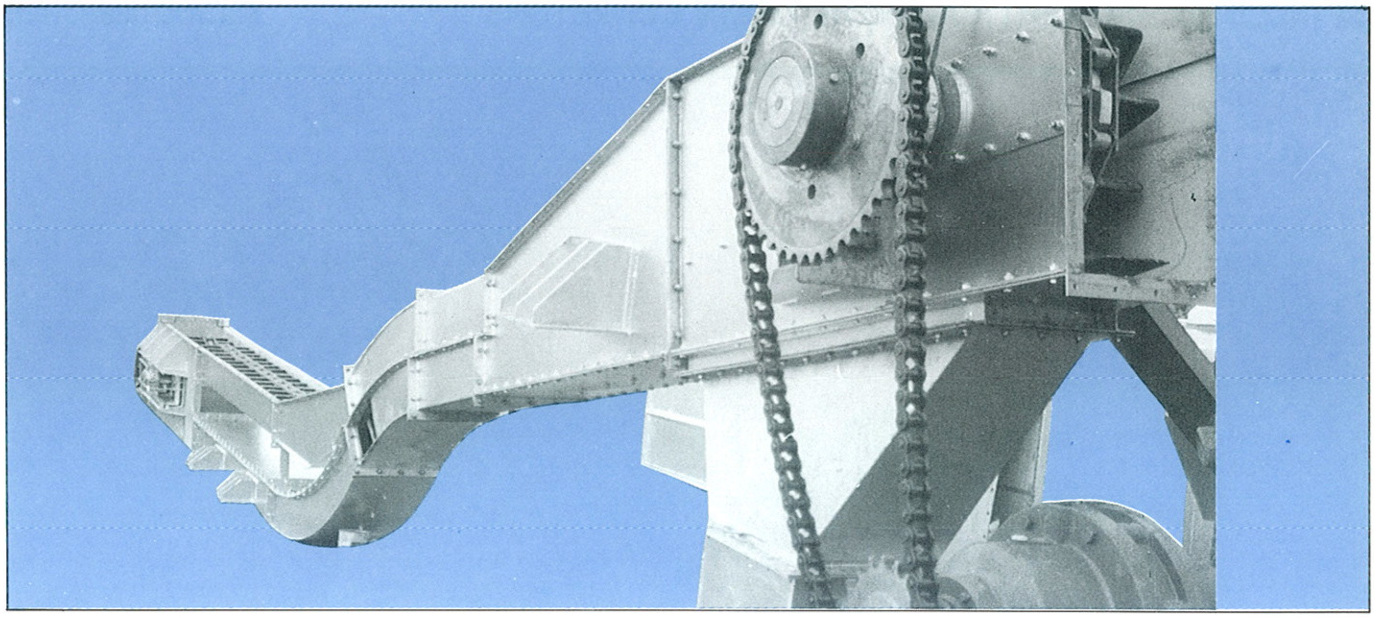
Main Dimensions



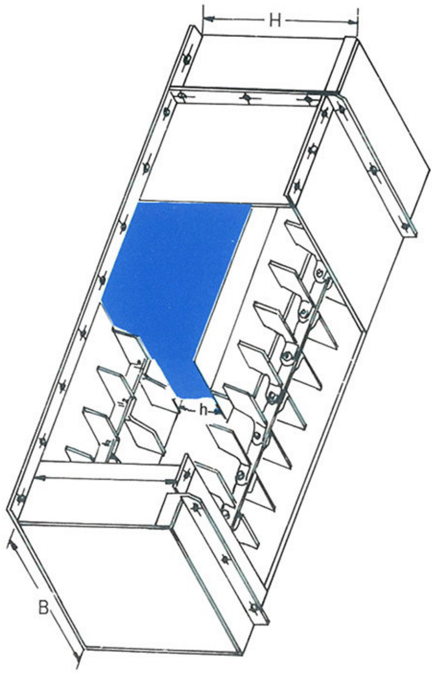
B	CASING NO.	H	H_1	A_1	A_2	C*min.	D_1	D_2	E
250	FC 250	370	500	520	900	900	1350	2100	800
320	FC 320	470	600	520	900	900	1350	2100	800
400	FC 400	470	700	520	900	900	1350	2100	800
400-1	FC 400-1	570	-	620	1000	900	1350	2100	900
500	FC 500	470	700	520	900	900	1350	2100	800
500-1	FC 500-1	570	-	620	1000	900	1350	2100	900
650	FC 650	570	800	620	1000	900	1350	2100	900
650-1	FC 650-1	650	800	900	1250	1300	2100	2600	1300
800	FC 800	570	800	620	1000	900	1350	2100	900
800-1	FC 800-1	650	800	900	1250	1300	2100	2600	1300

*) Length of opening is determined by material to be conveyoed chain speed etc.

FLOW CHIAN CONVEYOR



■ INCLINED AND VERTICAL FLOW CHAIN CONVEYORS

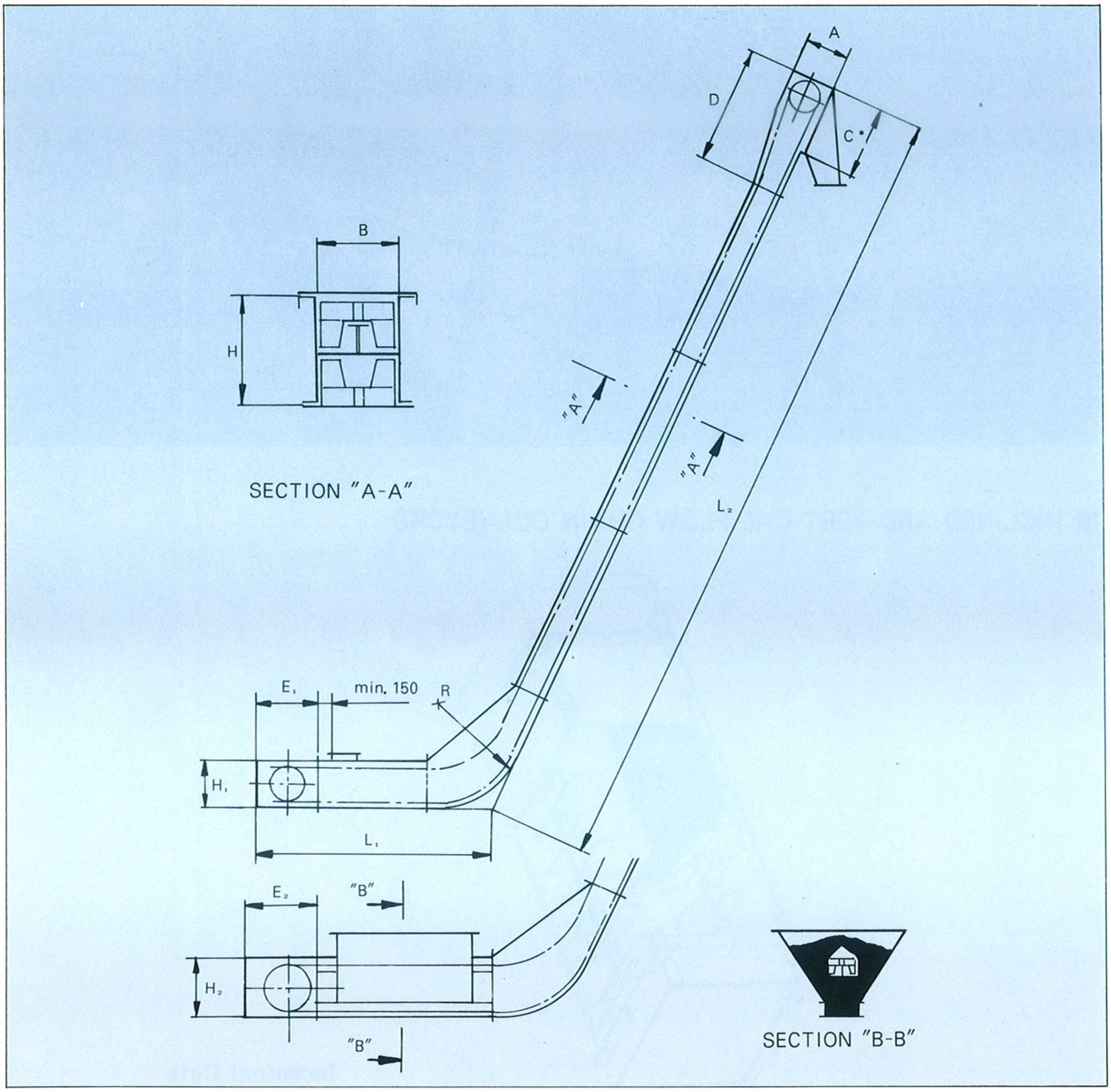


Technical Data

CASING NO.	B	H	h	Capacity m³/h at chain speed m/s 3M/min	6M/min	12M/min	48M/min	Max. length conveyor in meters at material weight t/m³ 1.5	1.0	0.5
TKFK 250	250	370	160	6	14	22	90	35	50	80
TKFK 320	320	470	200	9	22.5	36	145	25	35	60
TKFK 400	400	470	200	11	28.5	46	185	20	27	45
TKTK 400-1	400-1	570	250	14	35.5	57	230	17	25	43
TKTK 500	500	570	250	17	43.5	70	280	14	20	34
TKFK 650	650	570	265	25	62.5	100	400	14	20	33
TKFK 800	800	650	300	35	86.5	138	550	18	27	45

■ INCLINED AND VERTICAL FLOW CHAIN CONVEYORS

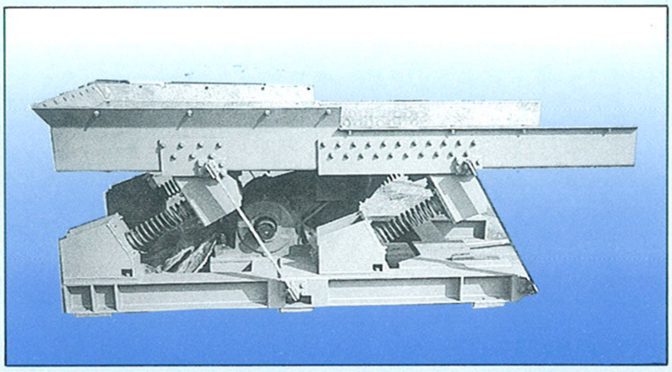
Main-Dimensions

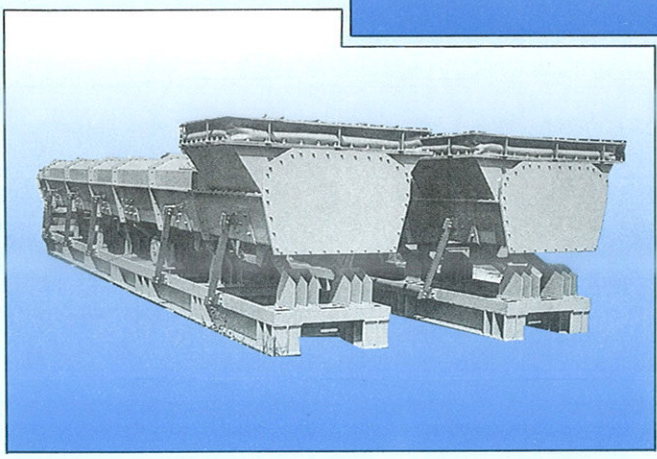


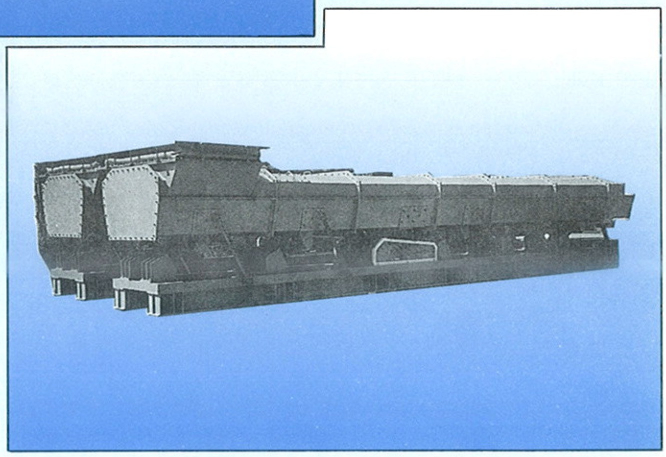
B	CASING NO.	H	H_1	H_2	A	C*min.	D	E_1	E_2	R
250	TKFK 250	370	470	720	620	1200	2100	800	1000	1350
320	TKFK 320	470	570	860	620	1200	2100	900	1200	1500
400	TKFK 400	470	570	1000	620	1200	2100	900	1300	1500
400-1	TKFK 400-1	570	700	1000	750	1300	2100	900	1300	1700
500	TKFK 500	570	700	1200	750	1400	2100	900	1500	1700
500-1	TKFK 500-1	650	800	1200	850	1600	2600	1300	1500	2700
650	TKFK 600	570	700	-	750	1400	2100	900	-	1700
650	TKFK 650-1	650	800	-	850	1600	2600	1300	-	2700
800	TKFK 800	650	800	-	850	1600	2600	1300	-	2700

*) Length of opening is determined by material to be conveyed inclination of conveyor chain speed etc.

TAEKWANG VIBRATING CONVEYOR





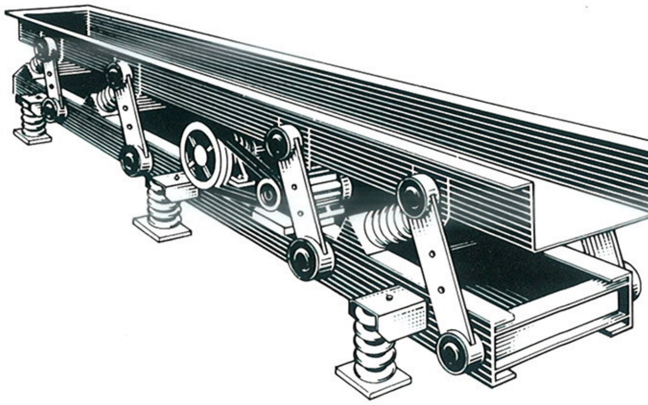


TAEKWANG PLANT CO., LTD.

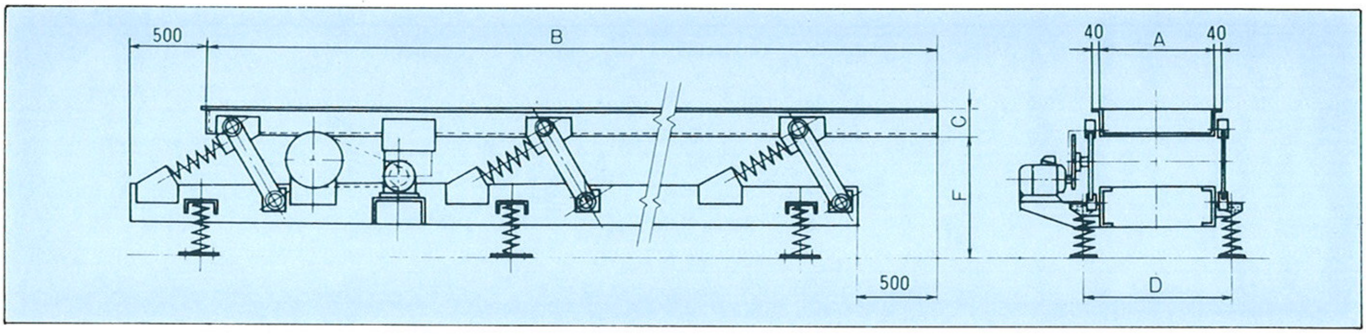
VIBRATING CONVEYOR

■ 특징

- 원료와의 접촉부분이 철판이어서 높은 온도의 원료 운반에도 적합하다.
- Cooling Water 투입등의 특수구조로서 운반시 원료를 냉각, 건조시킬 수 있다.
- 밀폐구조가 가능하므로 집진이 용이하다.
- 소동력으로 장거리 운반이 가능하다.
- 기계의 높이가 낮다.



■ 외형도



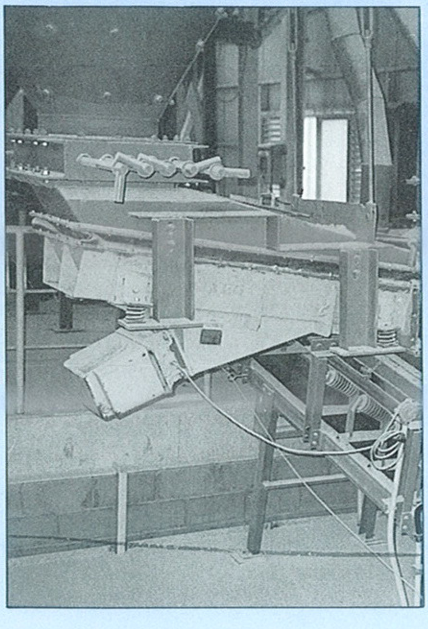
■ DIMENSION

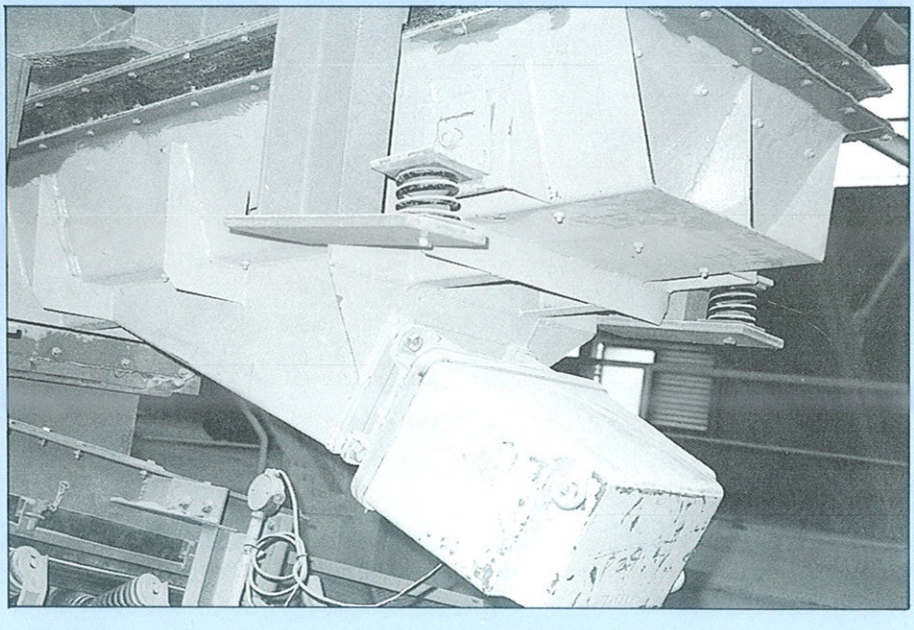
MODEL	A	CAP (T/H)	B (BODY LENGTH) / MOTOR (KW×대)												C	D	F
TKVC 200	200	7	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	200	450	800
			0.75	1.5	1.5	1.5	1.5	2.2	2.2	3.7	3.7	2.2×2	2.2×2	5.5			
TKVC 300	300	20	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	200	550	800
			1.5	1.5	1.5	1.5	1.5	2.2	3.7	3.7	2.2×2	2.2×2	2.2×2	5.5			
TKVC 450	450	35	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	200	700	800
			1.5	1.5	1.5	1.5	2.2	3.7	3.7	3.7	2.2×2	5.5	5.5	5.5×2			
TKVC 600	600	50	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	850	800
			1.5	1.5	1.5	1.5	2.2	3.7	3.7	2.2×2	5.5	5.5	5.5	5.5×2			
TKVC 750	750	65	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	1000	800
			1.5	1.5	1.5	2.2	3.7	3.7	2.2×2	5.5	5.5	5.5	5.5×2	5.5×2			
TKVC 900	900	80	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	1150	800
			1.5	1.5	2.2	2.2	3.7	2.2×2	2.2×2	5.5	5.5	5.5×2	5.5×2	5.5×2			
TKVC 1050	1050	90	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	1300	800
			1.5	2.2	2.2	3.7	3.7	2.2×2	5..5	5.5	5.5×2	5.5×2	5.5×2	5.5×2			
TKVC 1200	1200	110	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	1450	800
			2.2	2.2	2.2	3.7	2.2×2	2.2×2	5.5	5.5	5.5.×2	5.5×2	5.5×2	5.5×2			
TKVC 1350	1350	125	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	1600	800
			2.2	2.2	3.7	3.7	2.2×2	5.5	5.5	5.5	5.5.×2	5.5×2	5.5×2	11×2			
TKVC 1500	1500	140	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	1750	800
			2.2	3.7	3.7	2.2×2	2.2×2	5.5	7.5	5.5.×2	5.5×2	5.5×2	5.5×2	11×2			
TKVC 1650	1650	155	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	1900	800
			3.7	3.7	2.2×2	2.2×2	2.2×2	5.5	7.5	5.5.×2	5.5×2	5.5×2	5.5×2	11×2			
TKVC 1800	1800	170	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	2050	800
			3.7	2.2×2	2.2×2	2.2×2	5.5	7.5	7.5	5.5.×2	5.5×2	5.5×2	11×2	11×2			
TKVC 2000	2000	180	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	25000	30000	250	2250	800
			3.7	2.2×2	2.2×2	2.2×2	5.5	7.5	5.5.×2	5.5×2	5.5×2	5.5×2	11×2	11×2			

※ 단 CAP는 겉보기비중 1.5, 수분 4~6%, BODY가 수평일 경우임

TAEKWANG PLANT CO., LTD.

TAEKWANG VIBRATING FEEDER

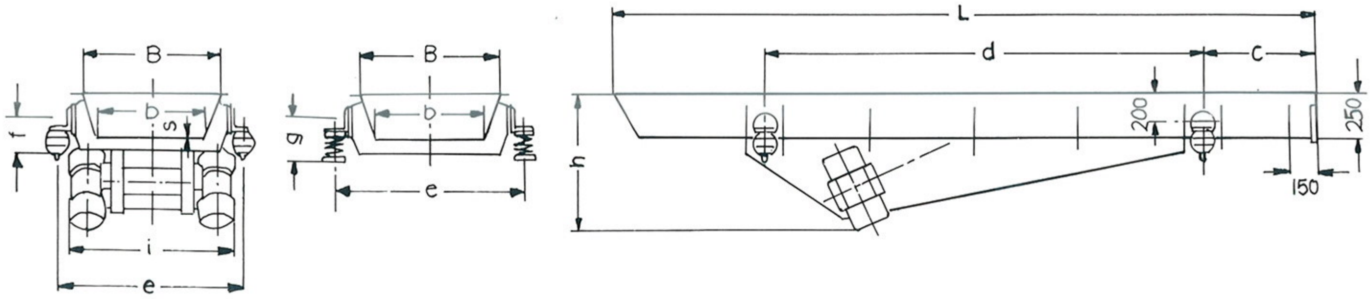




TAEKWANG PLANT CO., LTD.

VIBRATING FEEDER

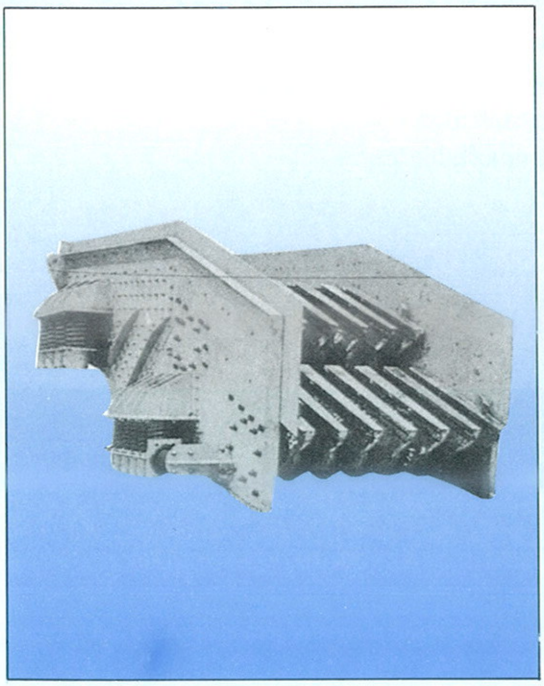
■ VIBRATING FEEDER N/A

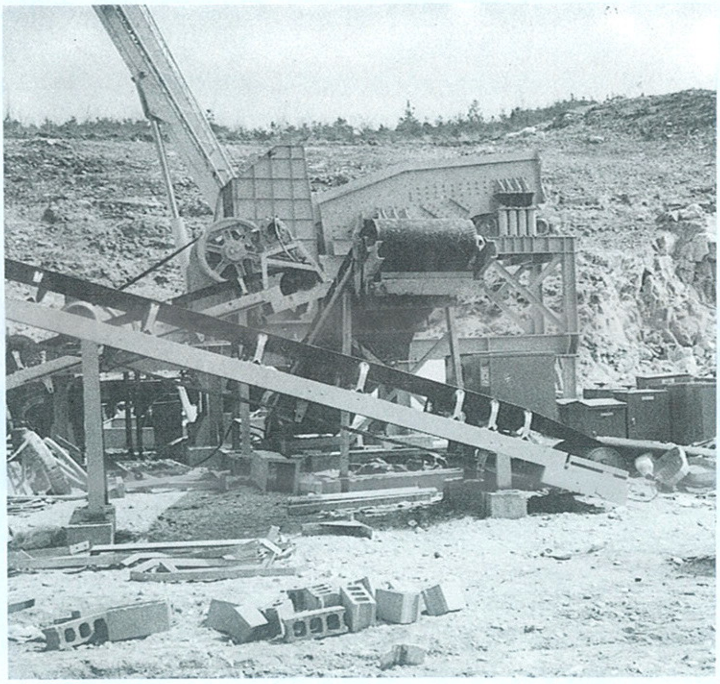


Type	Delivery flow Q at 8° in-clination[1]) m^3/h	Dimensions of trough in mm b	c	d	e	f	g	h	l	s_1	Working weight kg	Total weight kg
TKVF 01	55	221	650	2500	550	170	225	830	600	4	205	305
TKVF 02	65	221	650	2500	550	-	225	890	670	4	225	415
TKVF 03	80	321	650	2500	650	170	225	850	720	5	315	455
TKVF 04	100	321	650	2500	650	-	225	950	790	5	340	570
TKVF 05	110	321	650	2500	840	205	245	955	800	6	540	740
TKVF 06	135	471	650	2500	840	-	245	1020	800	6	540	776
TKVF 07	135	721	650	2500	1090	205	245	955	800	6	610	810
TKVF 08	155	721	650	2500	1090	-	245	1020	800	6	610	846
TKVF 09	225	1021	650	2500	1390	205	275	1035	880	6	710	942
TKVF 10	250	1021	650	2500	1390	-	275	1080	880	6	710	1012
TKVF 11	225	1421	650	2500	1790	235	275	1035	1080	6	975	1207
TKVF 12	290	1421	650	2500	1790	-	275	1080	1080	6	975	1277
TKVF 13	70	221	800	3200	550	170	225	850	720	4	205	395
TKVF 14	80	221	800	3200	550	-	225	950	790	4	275	505
TKVF 15	65	321	800	3200	650	170	225	850	720	5	380	520
TKVF 16	90	321	800	3200	650	-	225	950	790	5	400	630
TKVF 17	105	321	800	3200	840	205	245	985	800	6	400	636
TKVF 18	95	471	800	3200	840	-	245	955	800	6	620	820
TKVF 19	115	721	800	3200	1090	-	245	1020	800	6	620	856
TKVF 20	165	721	800	3200	1090	235	245	1035	800	6	720	952
TKVF 21	210	1021	800	3200	1390	-	275	1080	880	6	720	1022
TKVF 22	185	1021	800	3200	1390	235	275	1035	880	6	840	1072
TKVF 23	220	1421	800	3200	1790	-	275	1080	880	6	840	1142
TKVF 24	320	1421	800	3200	1790	-	275	1200	1330	6	1245	1817
TKVF 25	75	321	1000	3800	690	205	225	955	790	5	540	740
TKVF 26	95	371	1000	3800	690	-	245	1020	790	5	540	776
TKVF 27	125	421	1000	3800	840	205	245	1035	800	5	680	912
TKVF 28	145	421	1000	3800	840	-	245	1080	800	6	680	982
TKVF 29	145	721	1000	3800	1090	235	275	1035	880	6	825	1057
TKVF 30	170	721	1000	3800	1090	-	275	1080	880	6	825	1127
TKVF 31	260	1021	1000	3800	1390	-	275	1200	880	6	980	1552
TKVF 32	350	1421	1000	3800	1790	-	275	1240	1330	6	1510	2150

1) The information applies to bulk material as described in the section entitled Delivery flow up to a layer height of h_f=220mm and at a ratio of Dim<1

TAEKWANG GRIZZLY FEEDER

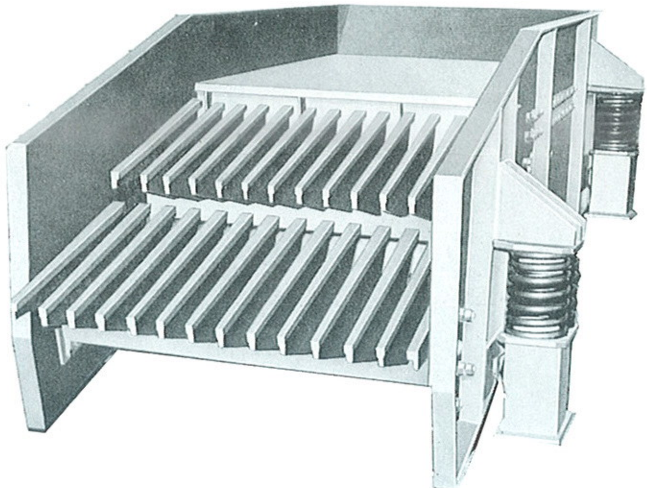




TAEKWANG PLANT CO., LTD.

GRIZZLY FEEDER

■ VIBRATING GRIZZLY FEEDER(LOW HEAD TYPE)



■ OUTLINE AND APPLICATION

This equipment serves to increase the capacity of the primary crusher for improved product quality by feeding raw material from the material bin to the secondary crusher while screening away soil contained in the raw material and material of such grains as will not require primary crushing

■ CONSTRUCTION

Two or three stages of Grizzly feeder are bolted to the body constructed rigidly of steel plates and shape steeel. The material falling portion consists of steel plate liners bolted to the screen frame. The vibrator is located at the bottom of the body. Two unblanced weights having the same weight are mounted on two shafts in mutually opposite directions. Vibrating pressure caused by the movement of the weights in mutually opposite directions makes the body vibrate strongly in a linear direction.

■ FEATURE

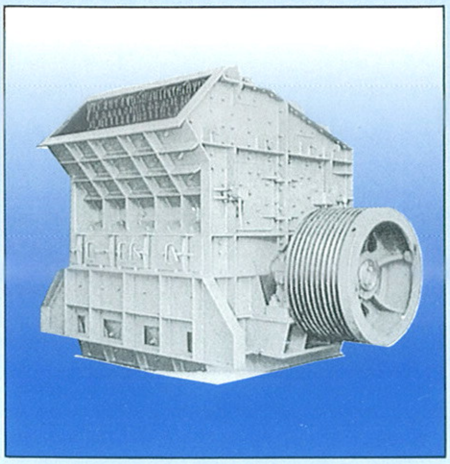
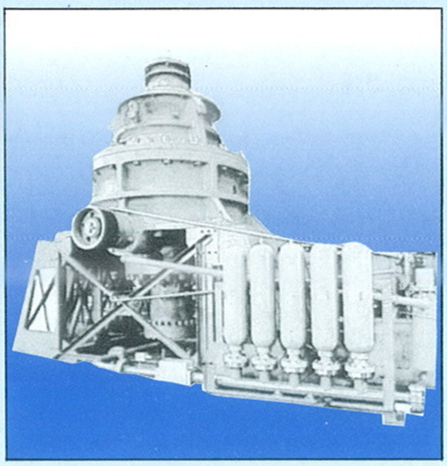
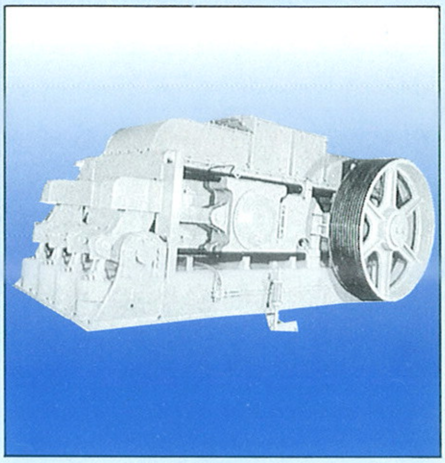
1. Strong enough to withstand a load of large material lumps applied.
2. A larger vibration stroke than by a vibrating motor of electromagnetic type, providing a large Grizzly screening efficiency.
3. Each Grizzly is designed to be spread out like an unfolded fan, which assures little chance of clogging.
4. Easy installation.
5. Speed adjustable easily.

■ TYPE AND CAPACITY

TYPE	Dimensions Width×Lengh (mm)	Max. size of feed (mm)	Stroke (mm)	No. of Revolution (R.P.M)	Capacity (t/h)	Motor(kw×p)		Type of STC
						Variable speed motor	Motor	
TKGF 10-38	1,000×3,800	450	8-10	500-800	100-250	15×4	11×6	KS-3018
TKGF 14-42	1,400×4,200	750	8-10	500-800	200-400	22×4	19×6	KS-4230H
TKGF 16-46	1,600×4,600	1,000	8-10	500-800	200-550	30×4	22×6	KS-4840

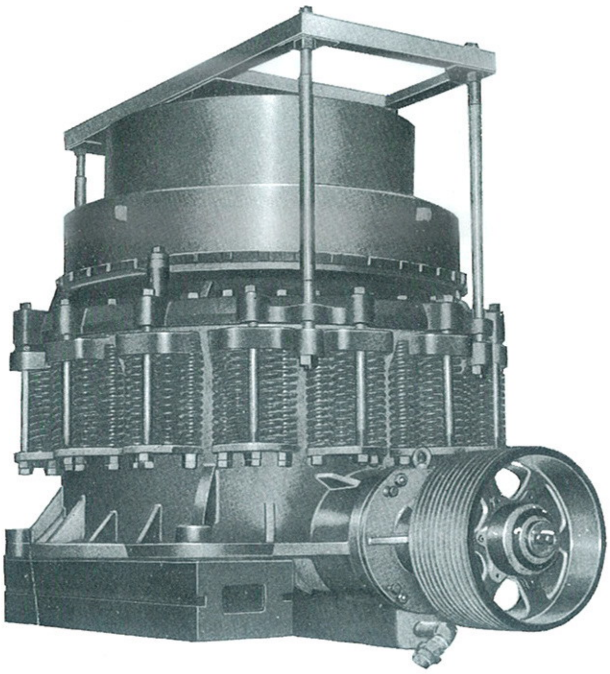
Note Capacities listed show for 80mm Grizzly aperture

TAEKWANG CRUSHER

TAEKWANG PLANT CO., LTD.

CONE CRUSHERS



OUTLINE AND APPLICATION

Cone Crushers are prominent in crushing efficiency coming in the latest design, and are most suitable for secondary or teriary crushing, or as the tertiary crusher in a crushing process. But cohesive materials-or those containing much clay should be avoided.
Type CC which can handle larger sizes of feed than Type CF is suited for relatively coarse crushing, while Type CF is intended for finer reductions.

Type CSH Cone Crusher is designed to meet the special requirement of producing finer products in larger quantities than these obtainable with type CC and Type CF.

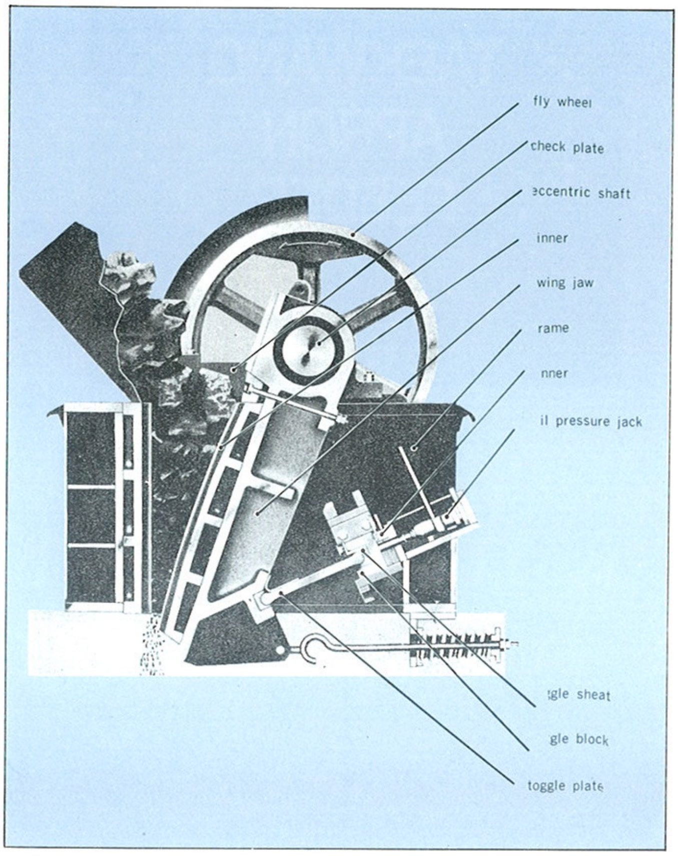
TYPE CF, CC, CSH CONE CRUSHER SPECIFICATIONS

NO.	Closed	Open	Approx. Capacity in Tons Per Hour											Power KW	Pulley R.P.M
			4	6	10	13	16	20	25	30	40	50	60		
CSH - 600	35	50	10	15	25	30									
C F - 600	60	70		13	20	25	30	38	45						
C C - 600	85	95			20	25	30	38	45	50				22~30	630
CEC - 600	100	110				25	30	38	45	50	60				
FSH - 900	25	45	18	27	48	57	65	80							
CSH - 900	50	70		27	48	57	65	80							
C F - 900	90	105			37	45	55	70	80					37~55	630
C C - 900	125	140				45	55	70	80	90	105				
CEC - 900	155	170					55	70	80	90	105				
FSH - 1200	35	65		45	70	90	110	135							
CSH - 1200	70	100			70	90	110	135							
C F - 1200	120	140			55	72	90	110	135	155	185			75~110	560
C C - 1200	170	190				72	90	110	135	155	185	200			
CEC - 1200	205	225					90	110	135	155	185	200			
FSH - 1300	40	75		50	82	110	130	160							
CSH - 1300	75	110			82	110	130	160							
C F - 1300	130	150				90	110	130	160	180	215			95~130	560
C C - 1300	180	200					110	130	160	180	215	230			
CEC - 1300	220	240						130	160	180	215	230			
FSH - 1500	45	85		62	100	130	160	190							
CSH - 1500	90	130			100	130	160	190							
C F - 1500	150	175					130	160	200	230	270			130~150	550
C C - 1500	210	235						160	200	230	270	300			
CEC - 1500	255	280							200	230	270	300			
FSH - 1680	50	90		80	125	160	190	225							
CSH - 1680	100	140			125	160	190	225							
C F - 1680	170	200					145	190	250	290	335			150~190	510
C C - 1680	235	265						190	250	290	335	390	410		
CEC - 1680	290	320							250	290	335	390	410		
FSH - 2100	65	115		135	220	280	330	390							
CSH - 2100	130	180			220	280	330	390	450						
C F - 2100	210	245						280	360	430	560	700	800	220~300	435
C C - 2100	300	335							360	430	560	700	800		
CEC - 2100	360	395								430	560	700	800		

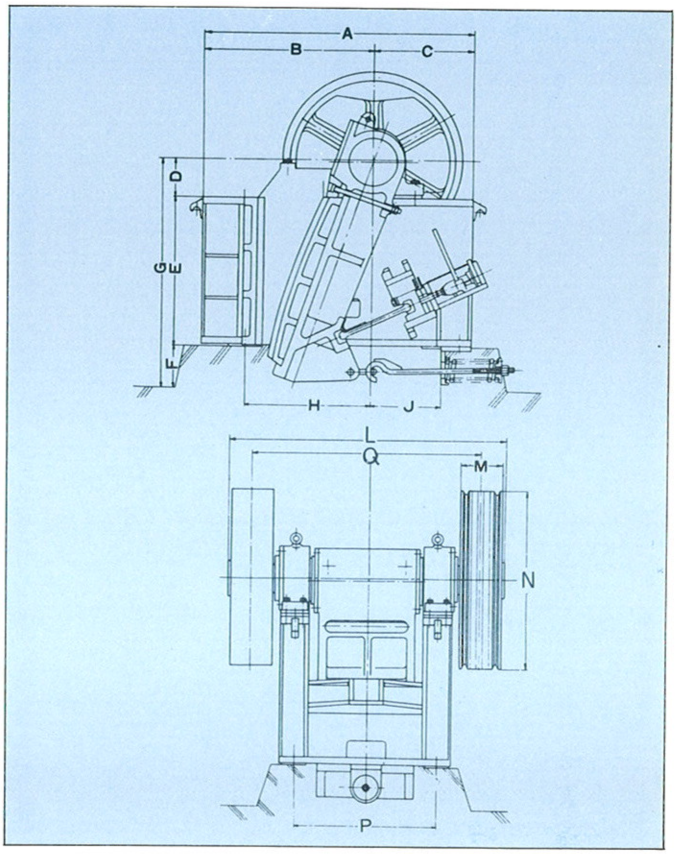
Capacities are based on ordinary limestone not containing wet fine particles. TON=1000Kg

JAW CRUSHERS

OUTLINE AND APPLICATION



CONSTRUCTION DRAWING



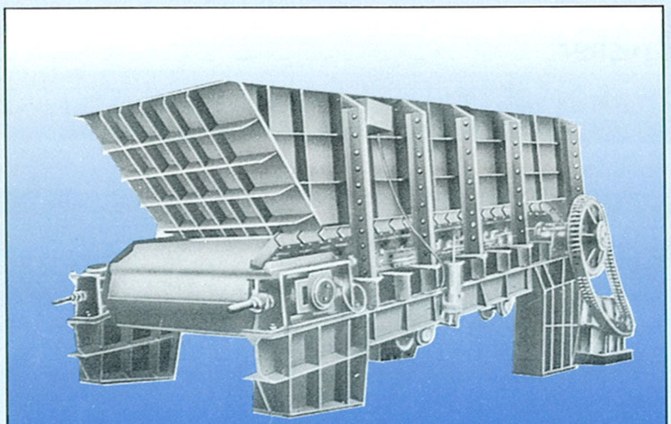
Single toggle Jaw Crusher

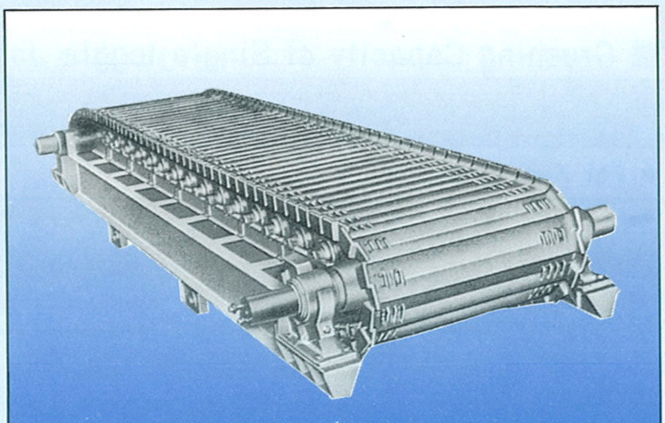
Size / Type	A	B	C	D	E	F	G	H	J	L	M	N	P	Q	Holding bolt a×n	V-Belt #×n
● For Drimary Crushing																
s 3	1,605	1,005	600	230	895	250	1,375	750	400	1,668	350	1,065	920	1,384	M30×4	D×6
s 4	1,860	1,130	730	270	1,110	300	1,680	900	440	2,060	320	1,200	1,080	1,696	M43×4	D×8
s 5	2,340	1,400	940	310	1,405	300	2,015	1,070	600	2,406	391	1,400	1,240	1,961	M42×4	D×10
s 6	2,660	1,520	1,140	360	1,495	500	2,355			2,620	360	1,600	1,600	2,186	M48×6	D×9
s 7	2,955	1,880	1,075	314	2,140	500	2,954			2,960	490	1,800	1,920	2,470	M48×6	E×10
s 9	3,570	2,320	1,250	465	2,600	600	3,665			3,650	650	2,000	2,150	3,000	M64×6	E×14
s 11	4,560	2,740	1,820	520	3,260		3,830			4,550	600	2,600	2,620	3,800	M72×8	8v×10

Crushing Capacity of Single-toggle Jaw Crusher

Normal No.	Model	Dimension of opening breadth×Gate	Crushing Capacity (T/H)								Outlet (Closed)								Required HP (KW)	R.P.M
			10	15	20	25	30	40	50	65	80	100	120	150	175	200	250	300		
● For Fine Crushing																				
s 3	SC2415	610×380						28	35	45	60	75							50(37)	265
s 4	SC3018	760×460							41	55	65	80							75(55)	235
s 5	SC3624	920×610									85	110	130	155					100(75)	240
s 6	SC4230	1070×760										140	160	200	230	265			130(75)	210
s 7	SC4840	1220×1020										210	240	300	345	400	500		200(150)	200
s 9	SC6048	1500×1200											350	400	470	540	650	800	300(220)	180
s 11	SC8060	2000×1500														600	750	900	375(280)	160

TAEKWANG APRON FEEDER





APRON FEEDER

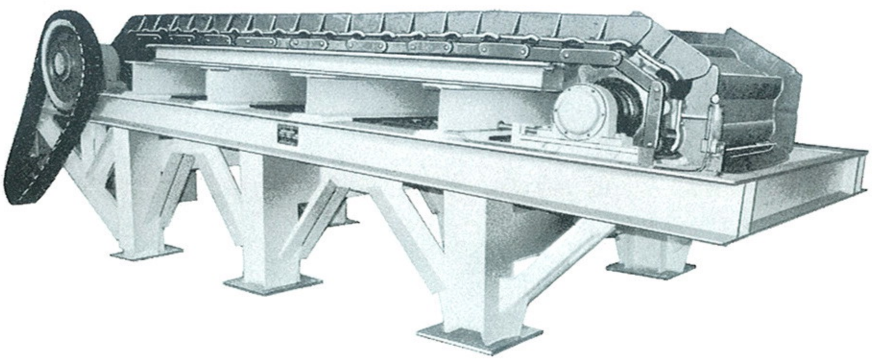
It is necessary to feed raw materal into the crusher continuously and uniformly by using a feeder. If no feeder is used, the crusher would inevitably be subjected to an unreasonable force, which may cause trouble, lowering of efficiency and shortening of the life of the crusher.

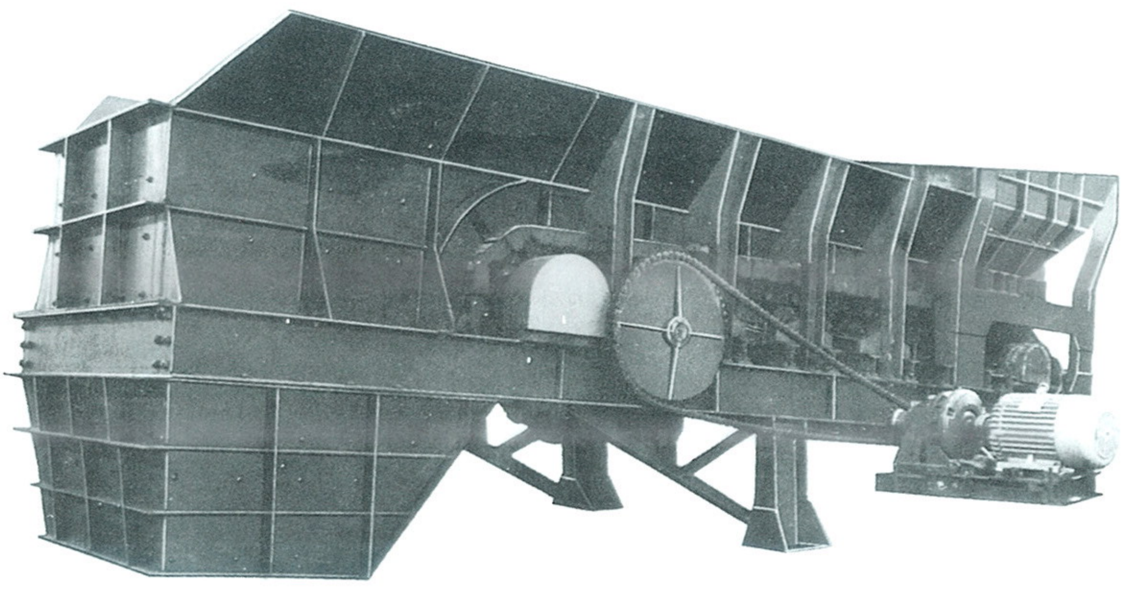
Highly recommended for specific use are our vibrating feeder, and Apron Feeder, all of which ensure exellent function, easy manipulation and economy. They are most suited for feeding rocks and ores in the crusher.

TYPE AND CAPACITY

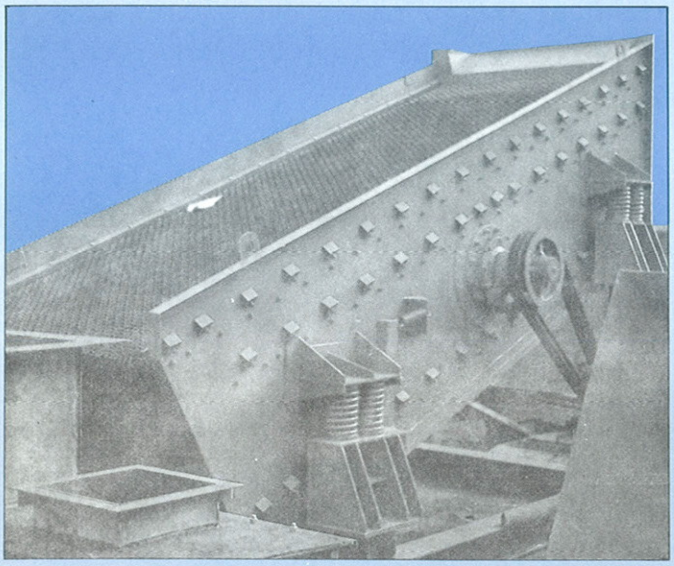
Type	Dimensions Width×Length (mm)	Max. size offeed (mm)	Speed of apron (m/min)	Capacity (t/h)	Motor (kw×P)
HAC-90	900×2,400	450	0.5~5	100~200	7.5×4
HAC-120	1,200×3,000	600	0.5~5	200~400	11×4
HAC-150	1,500×3,500	800	0.5~5	300~500	15×4
HAC-180	1,800×4,000	1,000	0.5~5	500~1000	22×4
HAC-200	2,000×5,000	1,300	0.5~5	600~1200	30×4
HAC-240	2,400×5,500	1,500	0.5~5	800~1600	37×4

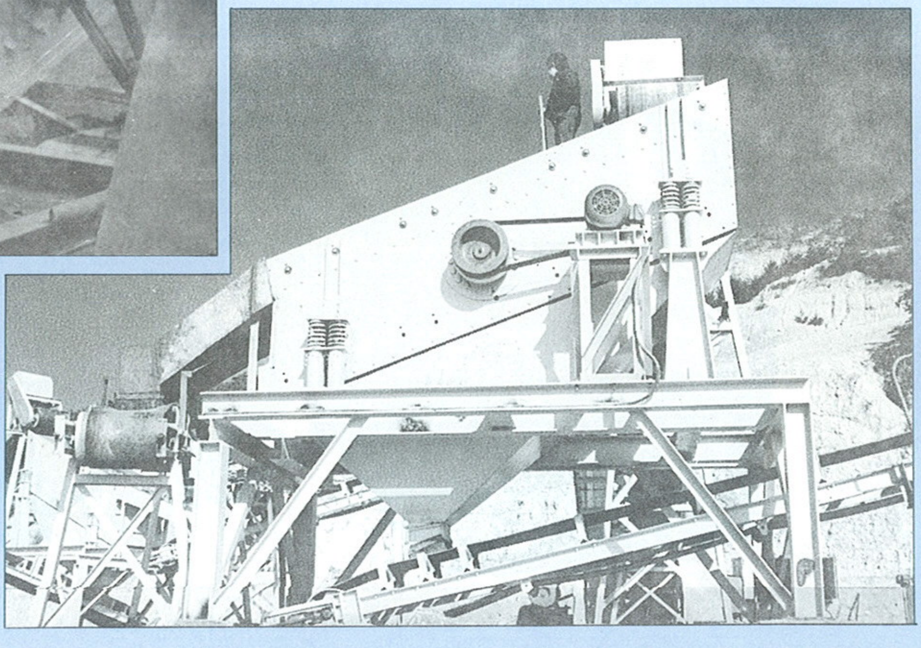
Note : Required motor output is varied depending upon the shape of material bin and the feeding rate





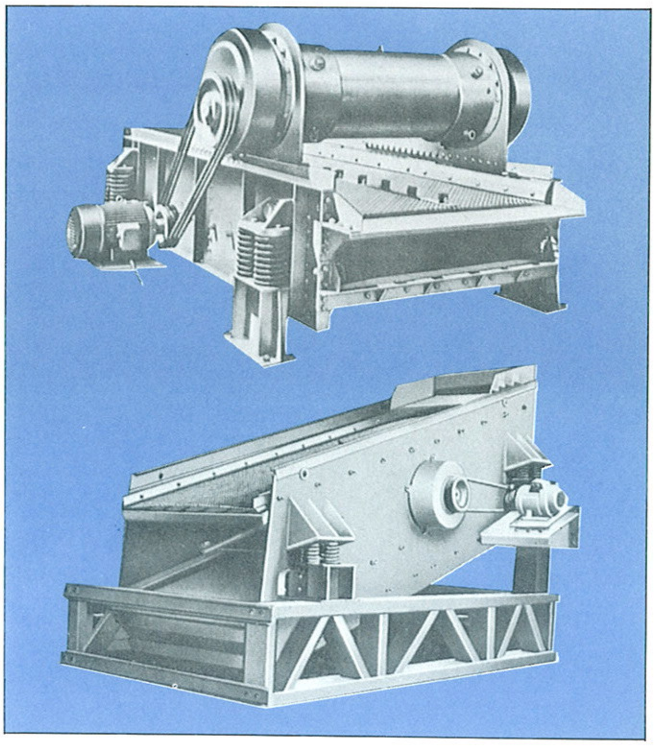
TAEKWANG VIBRATING SCREEN





TAEKWNAG PLANT CO., LTD.

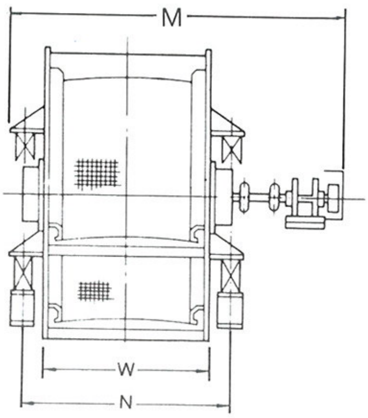
VIBRATING SCREEN

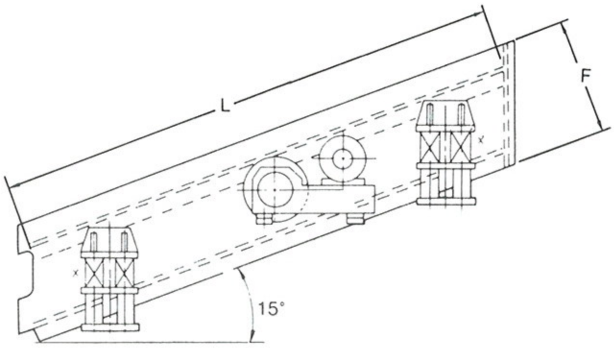


Type E vibrating screen has a screen inclined by 15°. This equipment is operated on a single driving shaft, at either end of which a fly wheel having unblanced weight plate is equipped. Circular vibration of the screen is caused through the flywheel by the vibrating force produced by the rotation of the unblanced weights. The vibrating screen is particulary suitable for large and medium-size lump screening duties, and special type for larger lump is ready.

■ FEATURE

1. The screen is inclined by 15°
2. Smooth circular movement
3. Strong, yet simple construction
4. Easy installation
5. Free from clogging

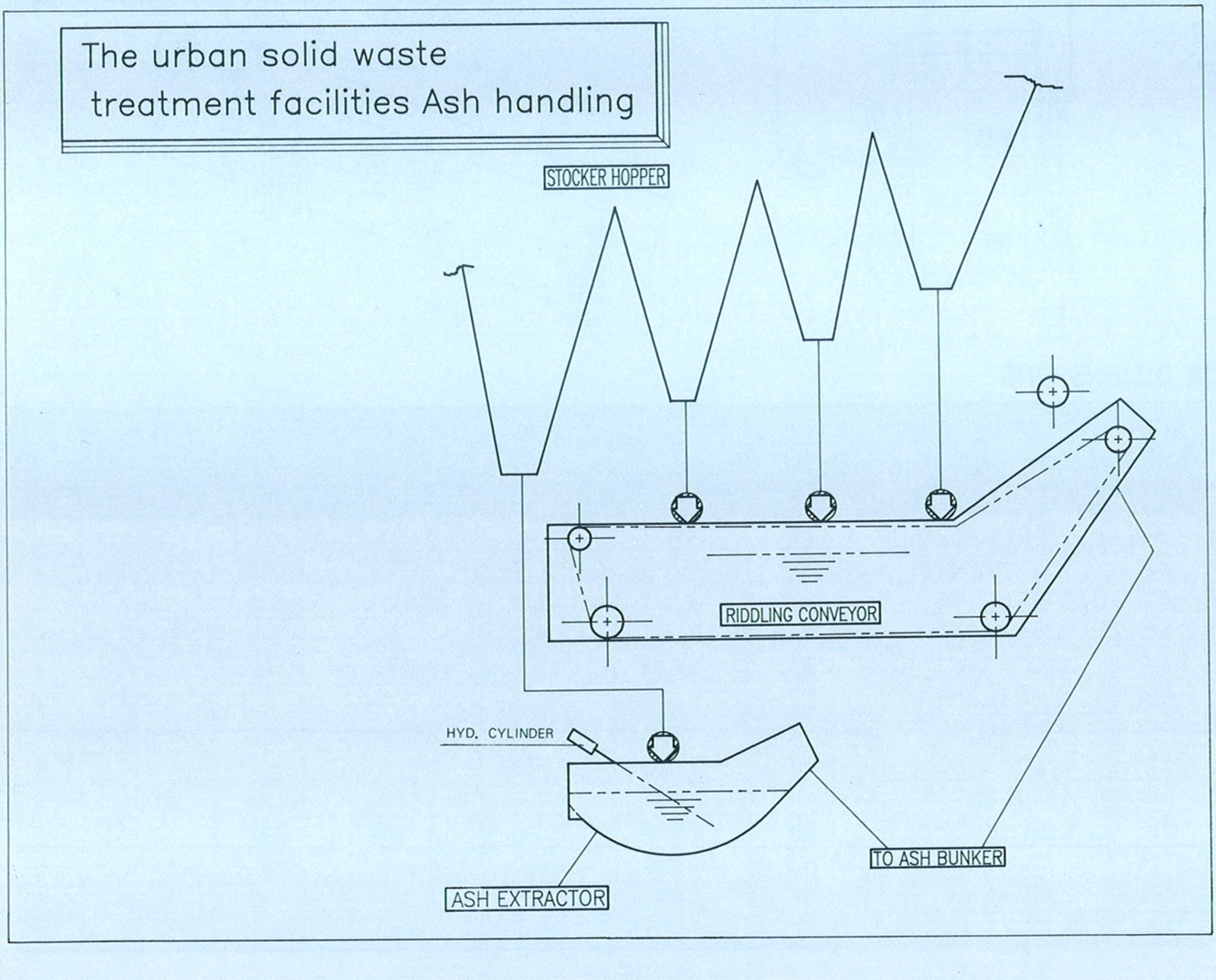




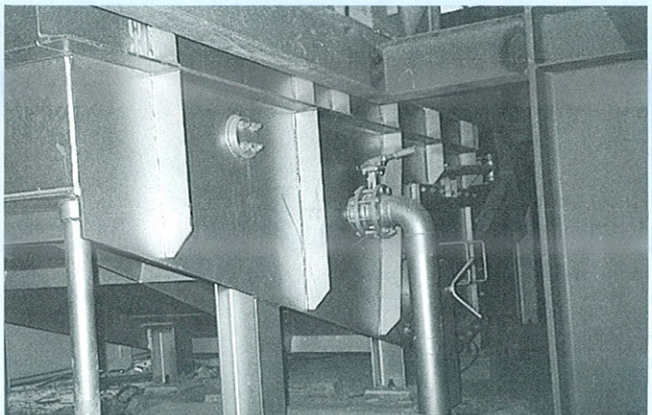
■ DIMENSIONS

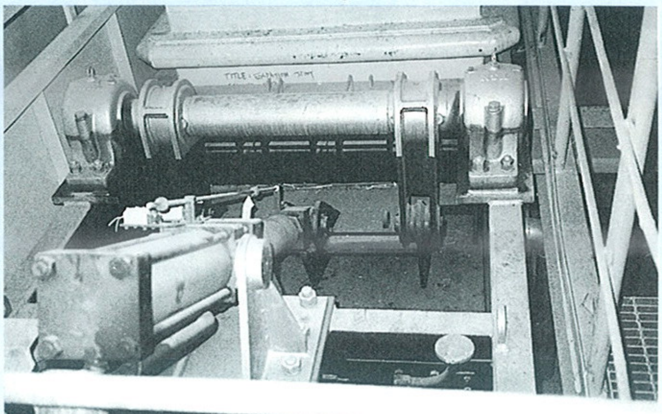
Designation	Dimensions / Screen size	W	L	N	M	F	Motor (kw×set)	Motor (P)
308	900×2,400	900	2,400	1,310	2,350	800	3.7-5.5	4
408	1,200×2,400	1,200	2,400	1,610	2,650	1,000	3.7-5.5	4
410	1,200×3,000	1,200	3,000	1,610	2,650	1,100	3.7-7.5	4
412	1,200×3,600	1,200	3,600	1,610	2,650	1,100	3.7-7.5	4
510	1,500×3,000	1,500	3,000	1,910	2,950	1,175	5.5-7.5	4
512	1,500×3,600	1,500	3,600	1,910	3,250	1,175	5.5-7.5	4
514	1,500×4,200	1,500	4,200	1,910	3,250	1,250	7.5-11	4
612	1,800×3,600	1,800	3,600	2,150	3,525	1,250	11-15	4
614	1,800×4,200	1,800	4,200	2,150	3,525	1,250	11-15	6
616	1,800×4,800	1,800	4,800	2,300	3,615	1,300	11-15	6
714	2,100×4,200	2,100	4,200	2,600	4,230	1,400	15-22	6
716	2,100×4,800	2,100	4,800	2,600	4,230	1,400	15-22	6
720	2,100×6,000	2,100	6,000	2,600	4,230	1,500	15-22	6

THE URBAN SOLID WASTE TREATMENT FACILITIES ASH HANDLING



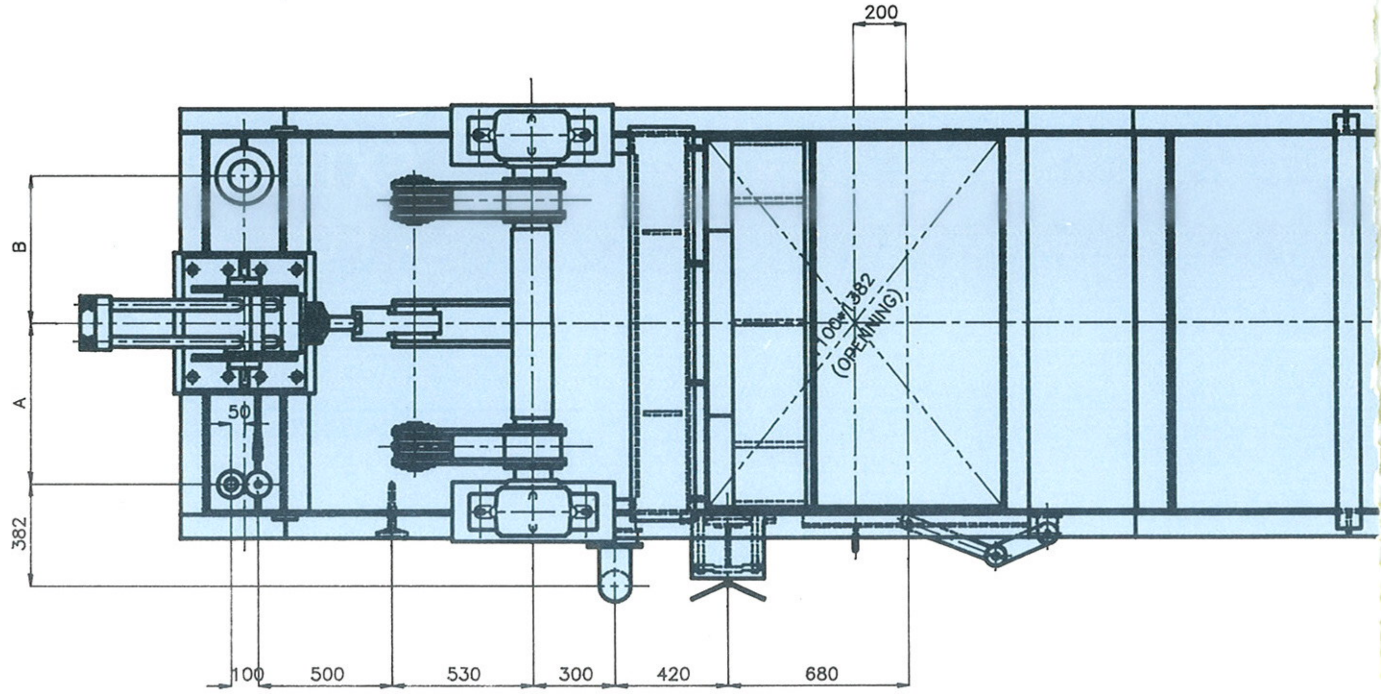
TAEKWANG EXTRACTOR FOR ASH

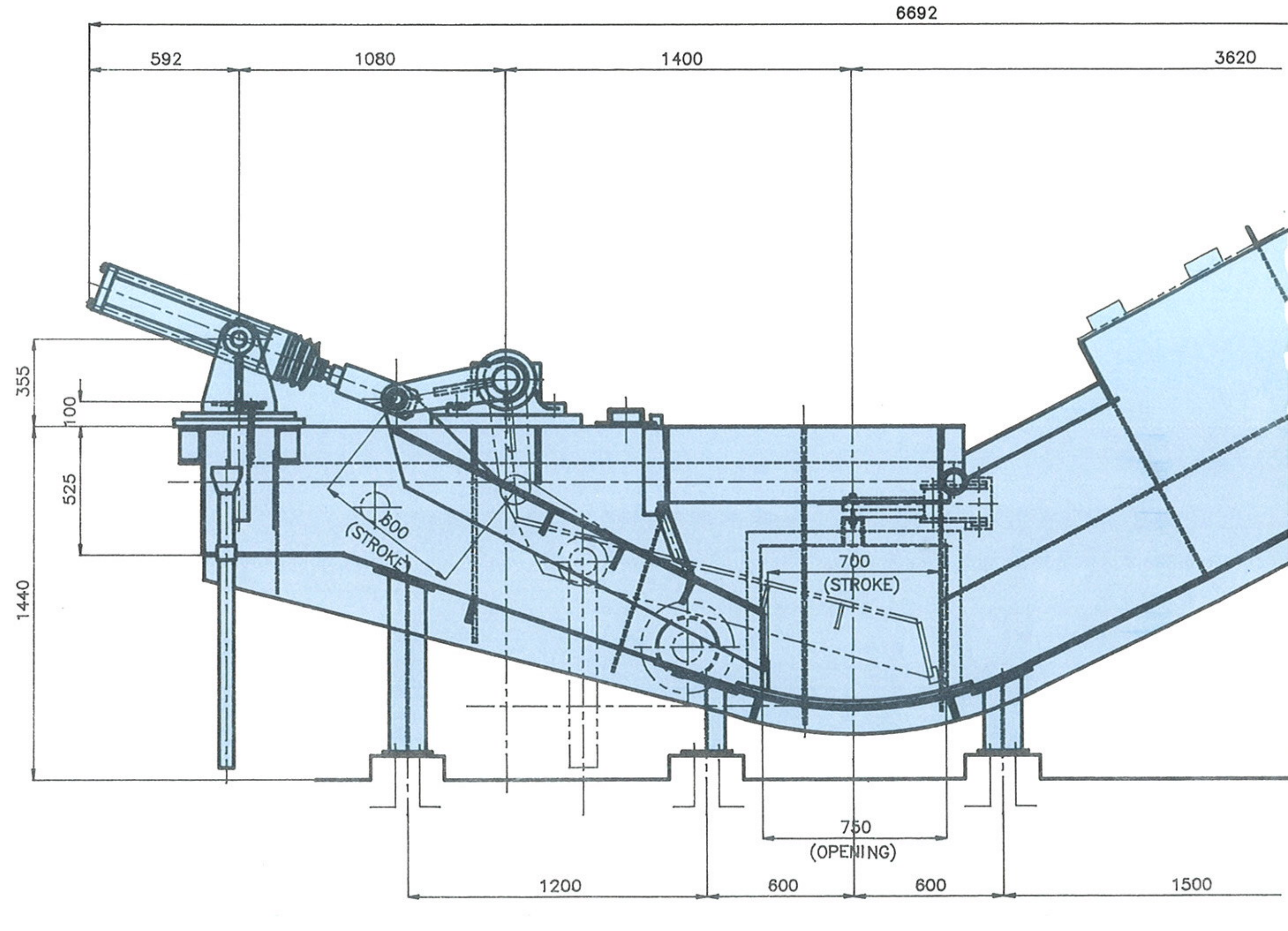


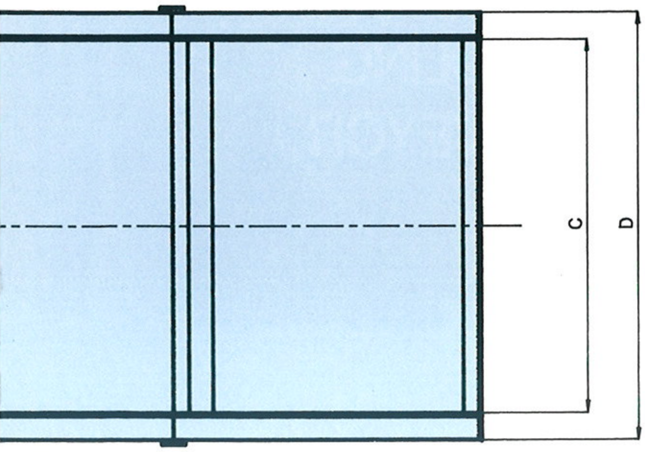


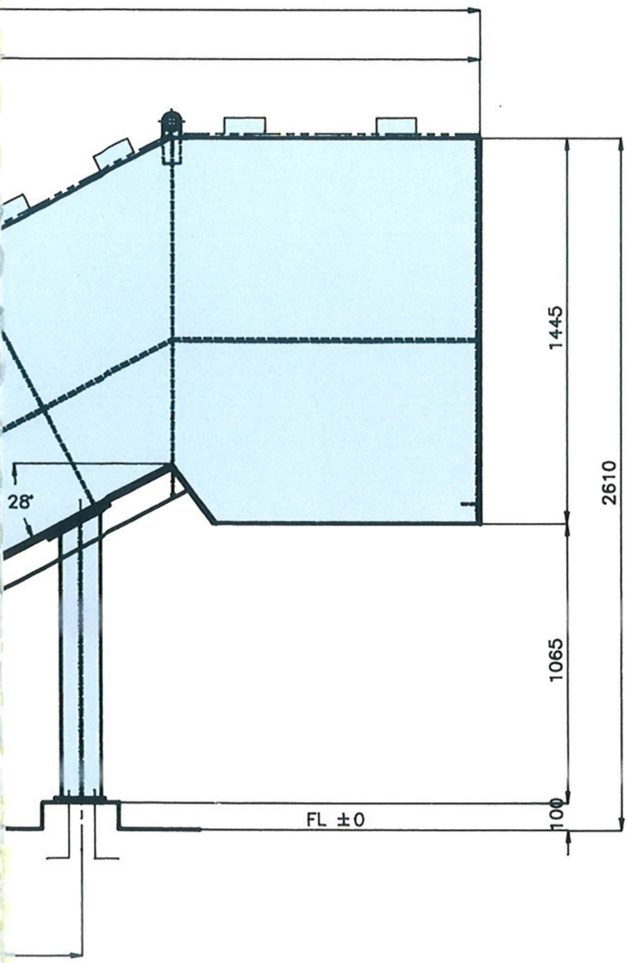
TAEKWANG PLANT CO., LTD.

EXTRACTOR FOR ASH







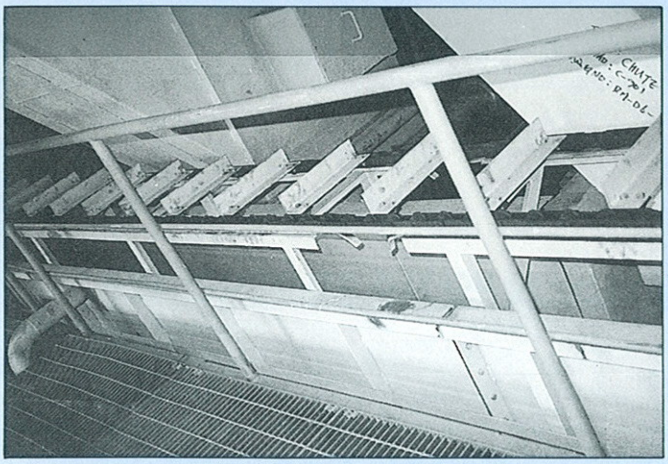


■ MAIN DIMENSIONS

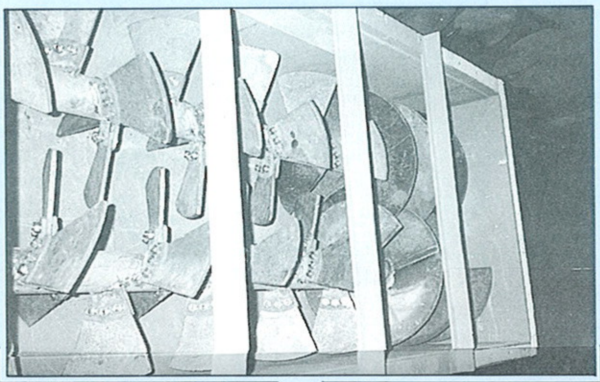
MARK	A	B	C	D
TKEX14	600	550	1400	1604
TKEX16	650	600	1620	1820
TKEX20	700	650	1820	2020
TKEX22	700	650	2020	2220

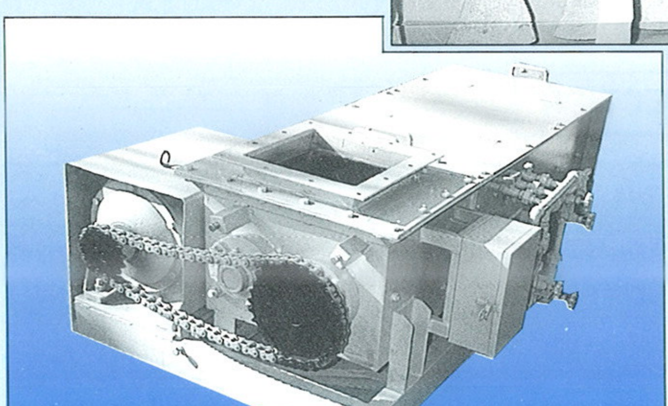
TKEX16～22 MODEL은 CYLINDER가 2개임

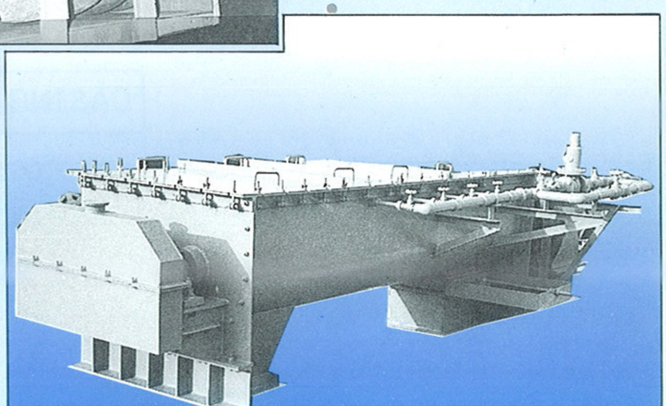
TAEKWANG RIDDLING CONVEYOR



TAEKWANG CONDITIONER (PUG MILL)

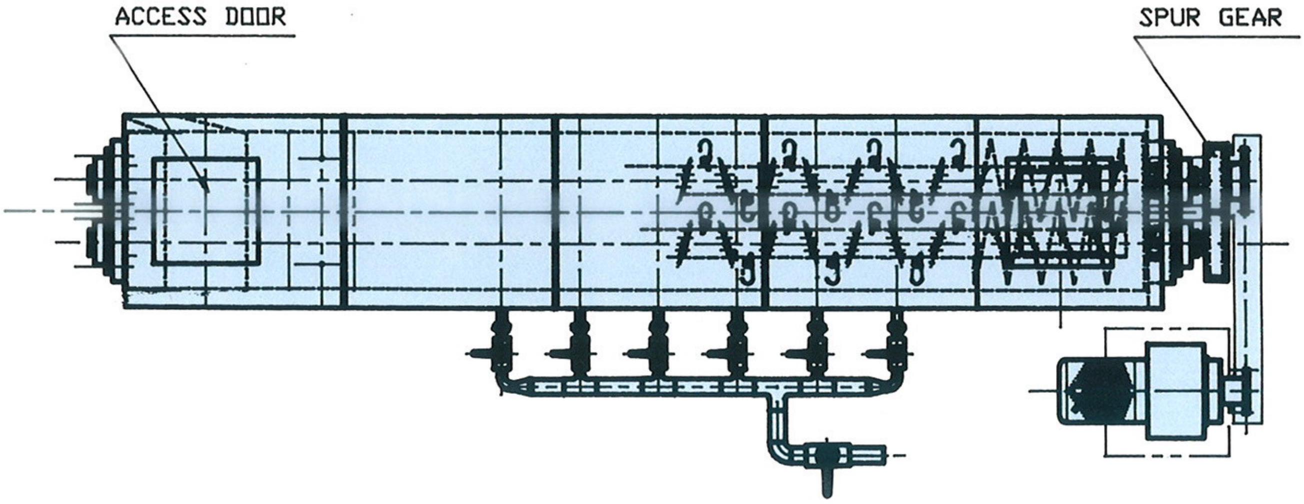


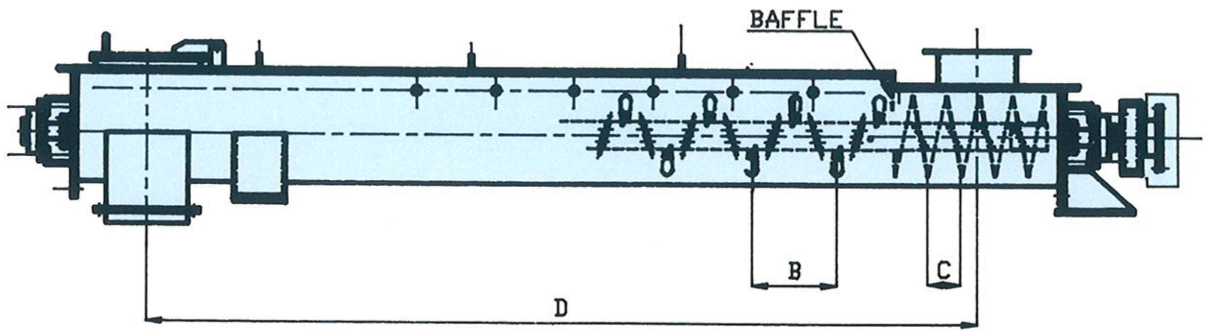


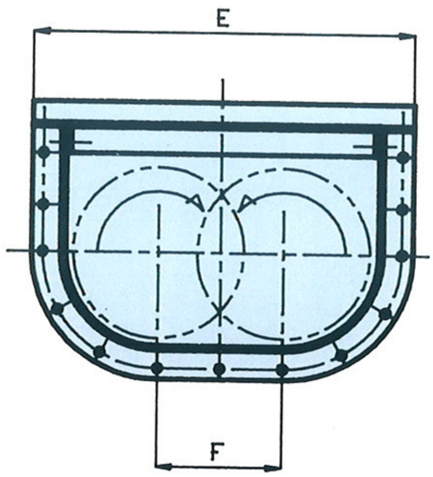


TAEKWANG PLANT CO., LTD.

CONDITIONER (PUG MILL)



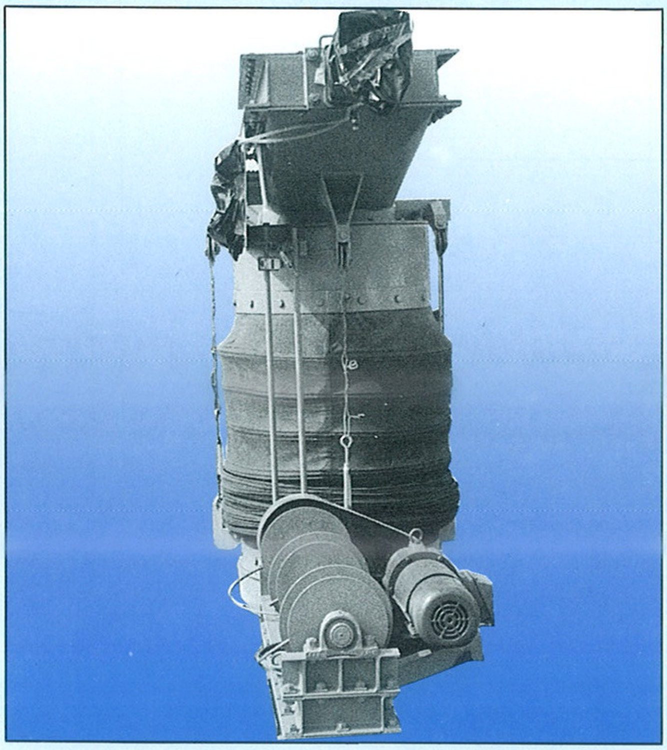


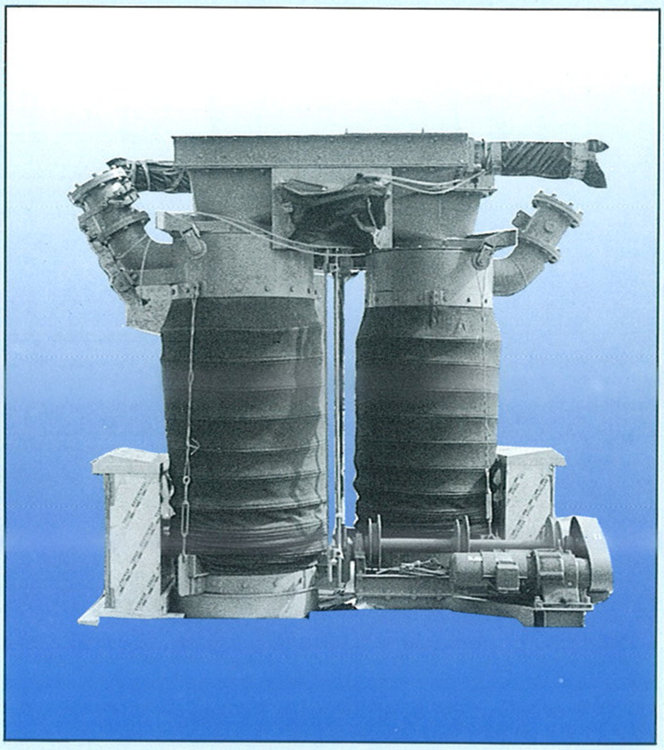


CASING SECTION

MODEL	Motor Power	WTR Capacity	R.P.M	A	B	C	D	E	F
TKPG 10	5.5kw×4p	430kg/h	45	330	135	340	2000	600	240
TKPG 15	5.5kw×4p	645kg/h	60	450	300	300	2000~2500	830	350
TKPG 30	15 kw×4p	1284kg/h	60	500	400	400	2000~2500	950	420
TKPG 60	22kw×4p	2570kg/h	60	650	510	510	2500~3000	1190	510

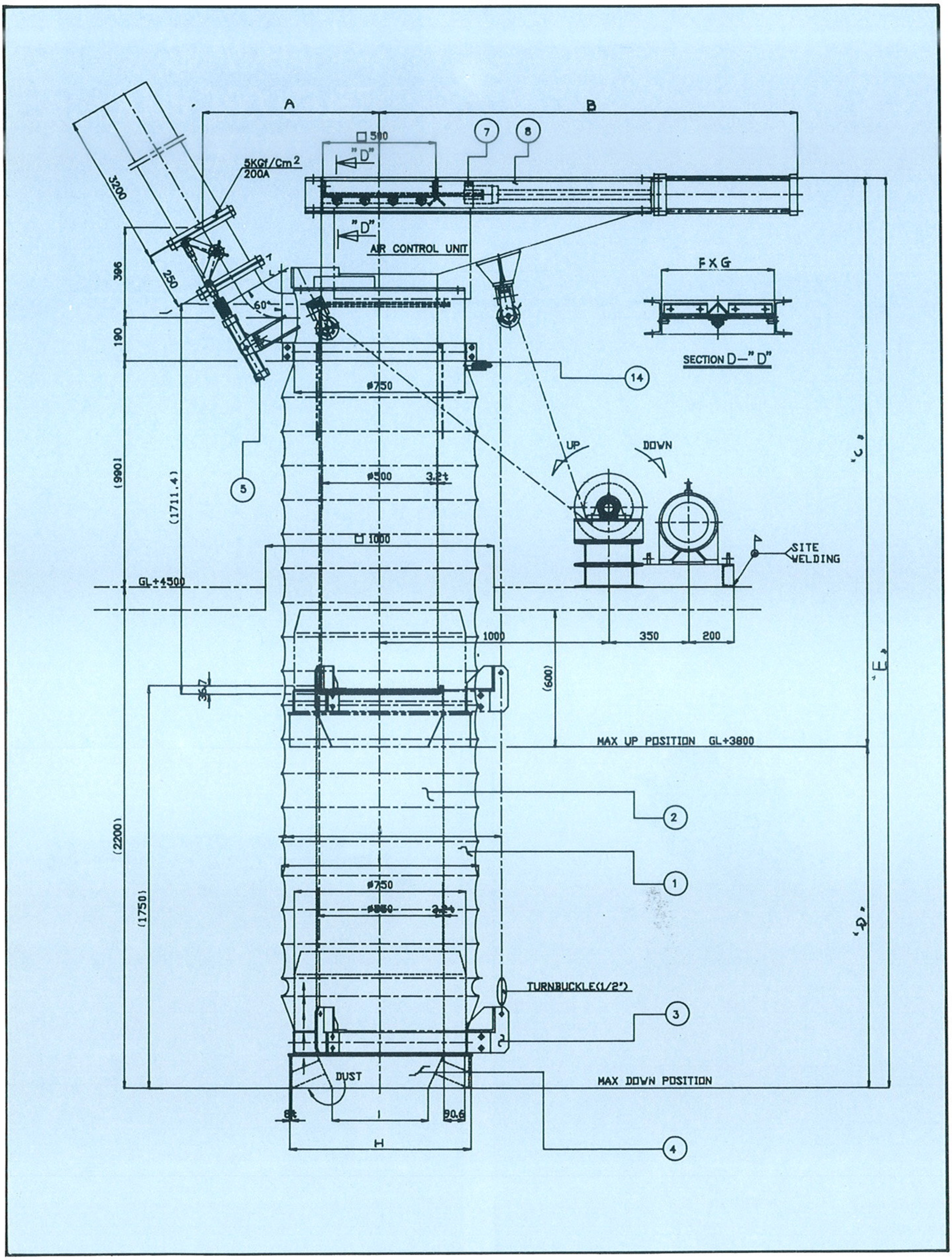
TAEKWANG TELESCOPIC BULK LOADER





TAEKWANG PLANT CO., LTD.

TELESCOPIC BULK LOADER



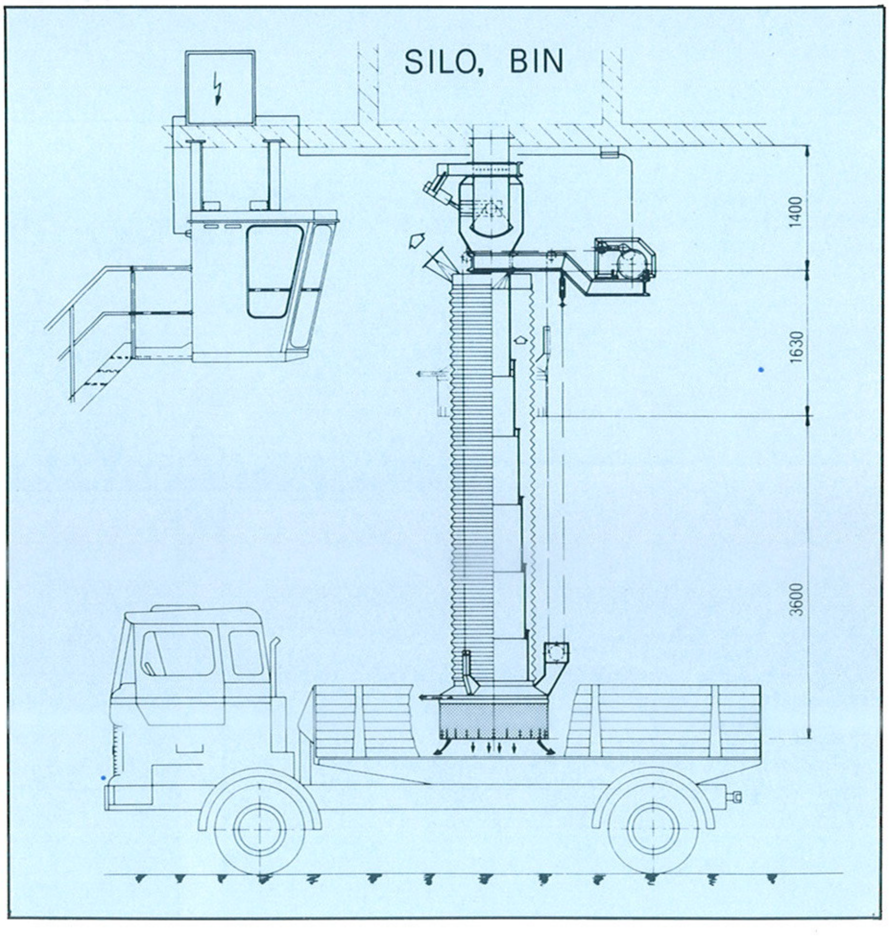
TELESCOPIC BULK LOADER

Type	A	B	C	D	E	F	G	H	I
TK-TBL 5010	774	1836	1800	1000	2800	500	500	790	420
TK-TBL 5020	774	1836	1800	2000	3800	500	500	790	420
TK-TBL 5025	774	1836	1800	2500	4300	500	500	790	420
TK-TBL 4010	724	1480	1800	1000	2800	400	400	690	350
TK-TBL 4015	724	1480	1800	1500	3300	400	400	690	350
TK-TBL 4020	724	1480	1800	2000	3800	400	400	690	350
TK-TBL 4025	724	1480	1800	2500	4300	400	400	690	350

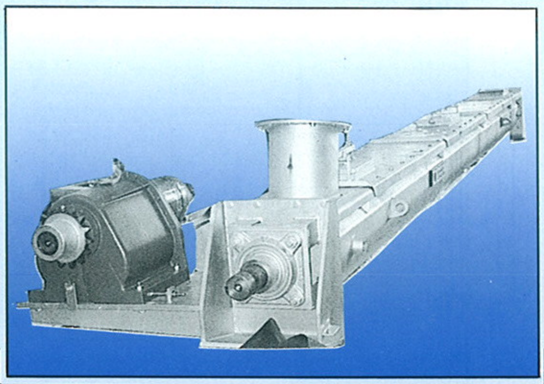
* MODEL 설명

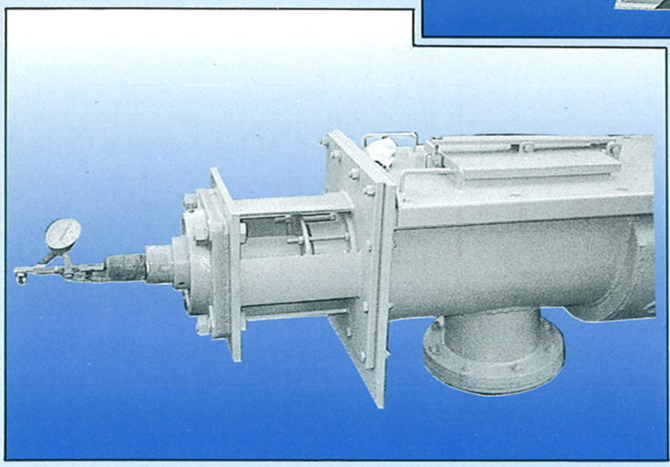
TBL 50 10

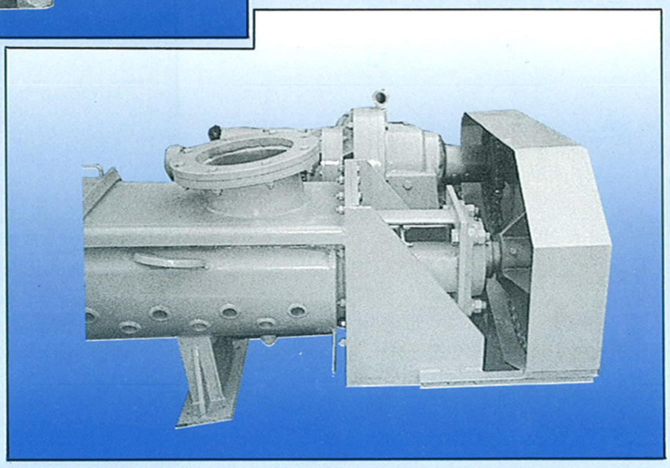
- 10 → STROCK ×10
- 50 → OPENING SIZE
- TBL → TELESCOPIC BULK LOADER



TAEKWANG COOLING SCREW CONVEYOR







TAEKWANG PLANT CO., LTD.

COOLING SCREW CONVEYOR

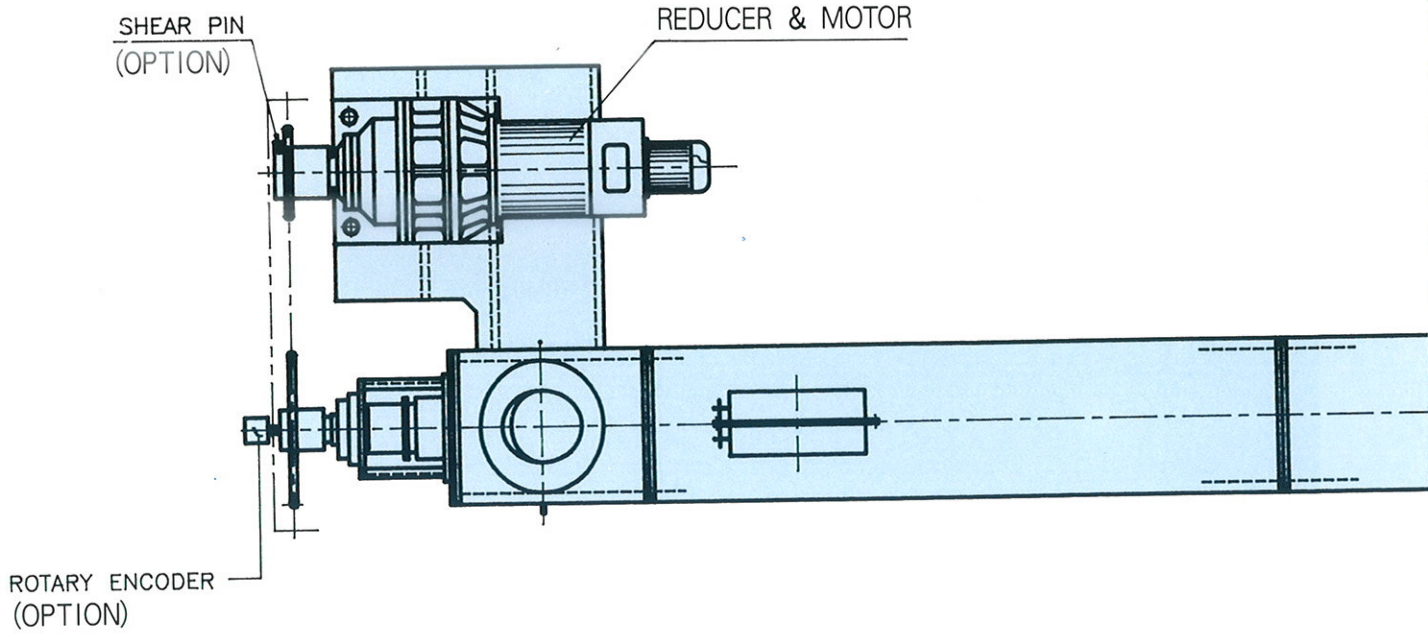
TAEKWANG COOLING SCREW CONVEYOR는 운반물의 온도가 높은 물질을 운반하는 기계로서 특히, 보일러 하부 ASH를 운반하면서 귀사가 원하는 온도까지 ASH의 온도를 냉각시키는 CONVEYOR이다.

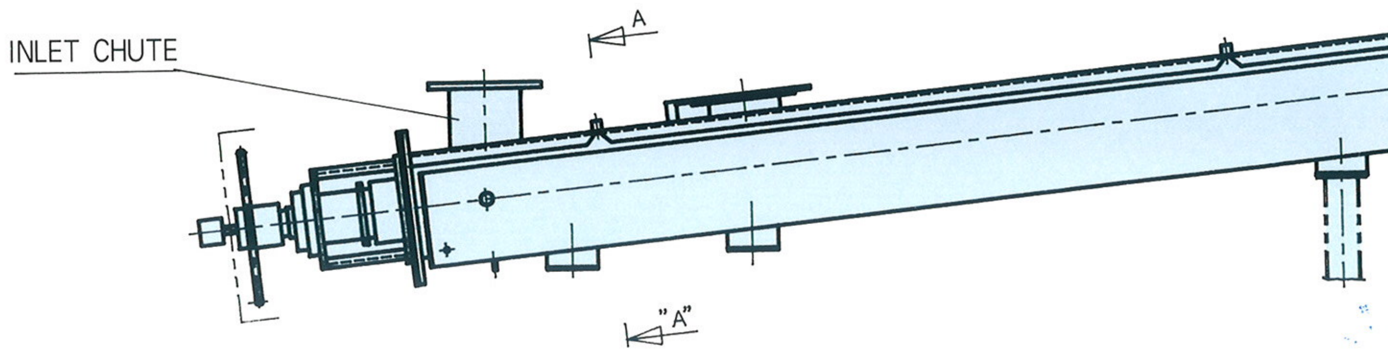
* Feed Mat'l		* Conveying Capacity	T/H
- NAME		* Loading 기계명	
- BULK density	T/㎥	* Unloading 기계명	
- Grain Size	mm	* INLET ~ OUTLET 거리	mm
- Temperature	°C	* 설치위치	
* 최종 COOLING후 ASH 온도	°C	기타 귀사 의견	
* 냉각수 온도	°C		
* 냉각수 허용 MAX. 온도	°C		

Table 1.1

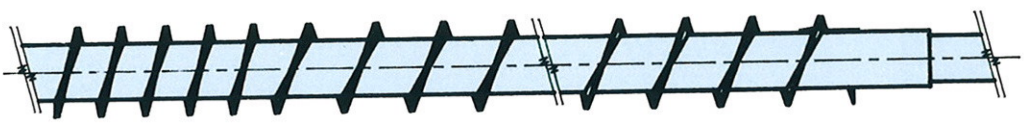
※ 상기 table 1.1의 사양을 fill-up하여주시면, 귀사 프로젝트에 가장 적합한 conveyor와 size를 선택하여 드리겠습니다.

* Standard Screw 직경 200mm, 250mm, 300mm 350mm, 400mm, 450mm입니다.

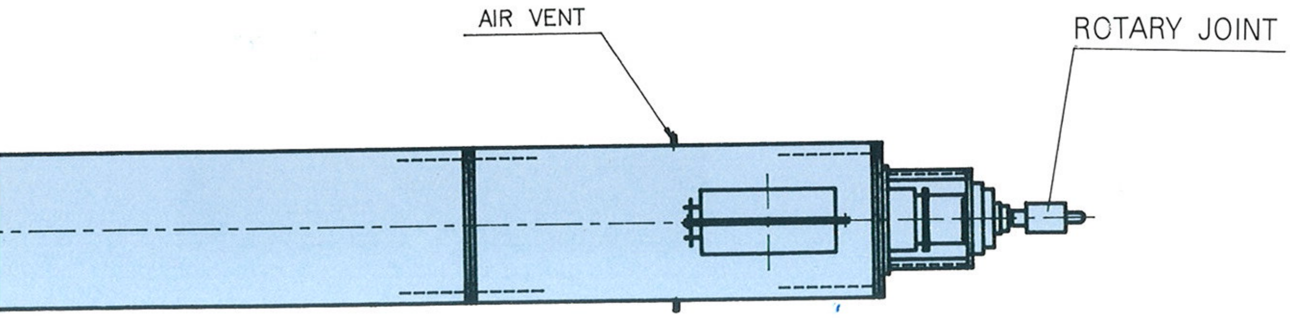


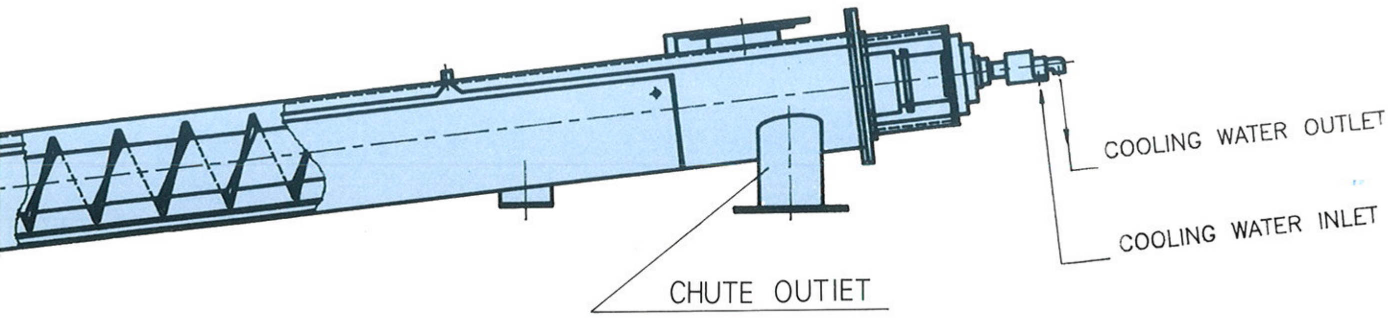


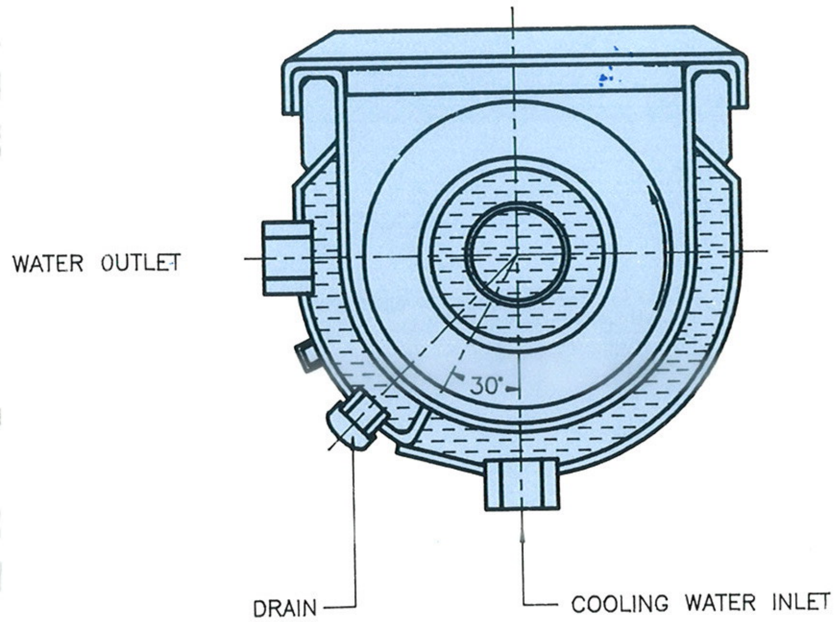
COOLING



DETAIL OF SCREW

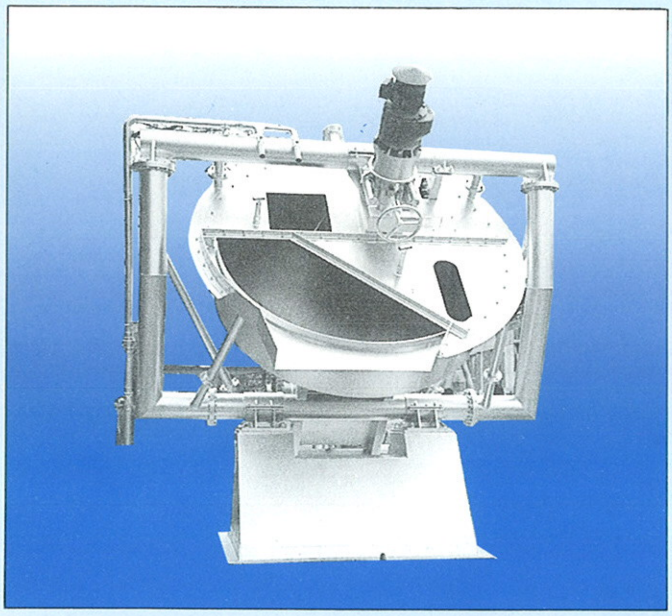


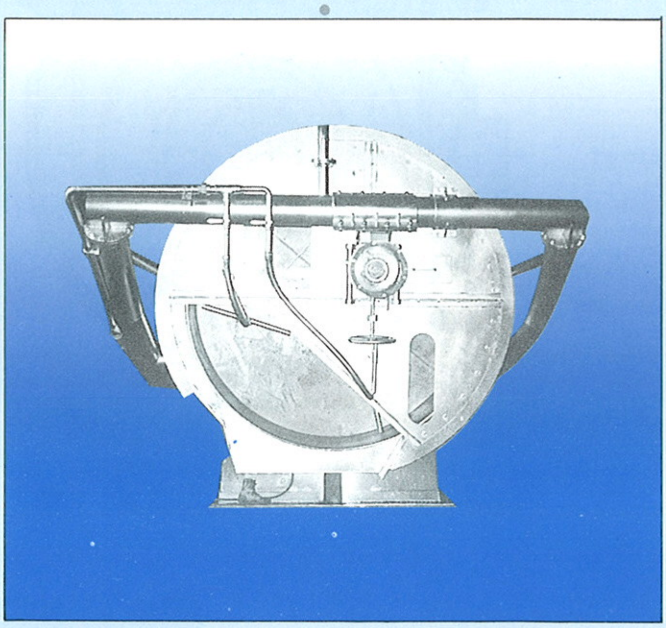




DETAIL OF SECTION A-"A"

TAEKWANG PELLE TIZER



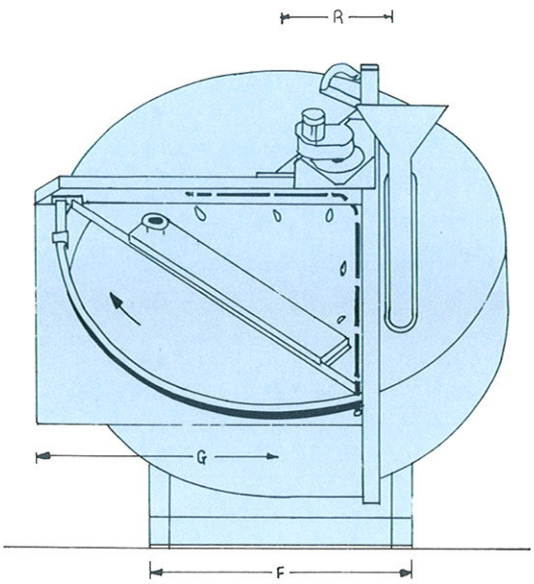


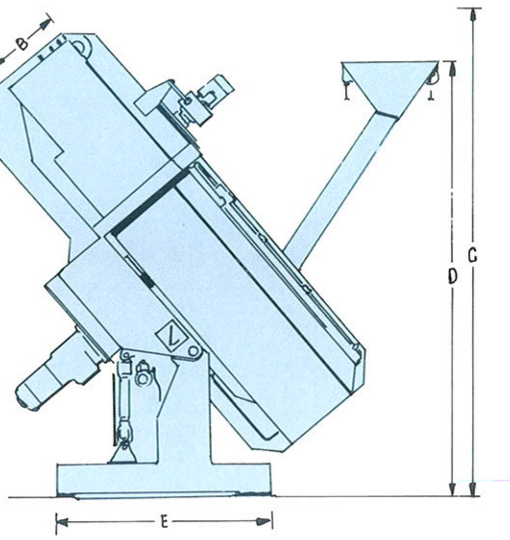
TAEKWANG PLANT CO., LTD.

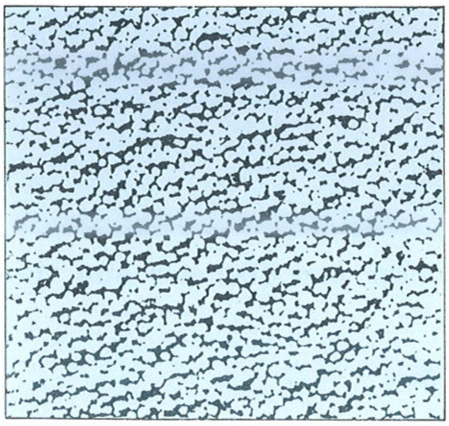
PELLETIZER

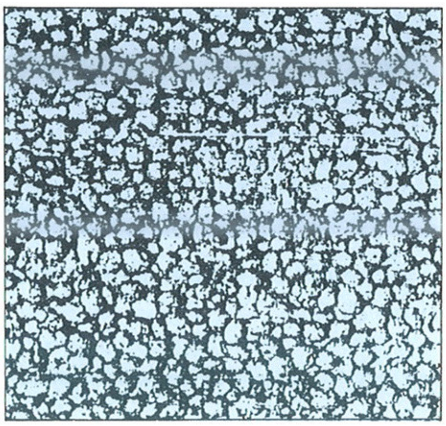
PELLETIZER는 ASH또는 DUST를 운반 및 Handling 하기쉽게 water와 mixing하여 구슬처럼 ASH 또는 DUST를 조립하는 기계로서 특히 제철공장의 DUST를 재활용하기 위해서 선택되어지는 기계입니다.

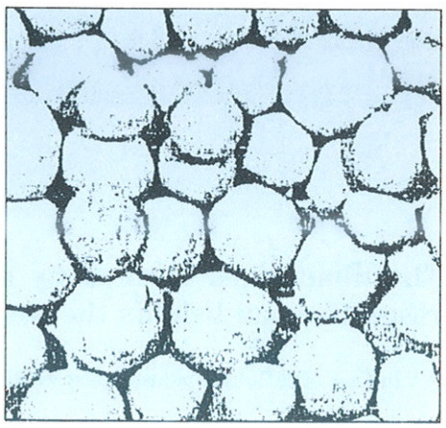
* Capacity 및 Motor Power 그리고 Drum DIA.는 다음 page table를 참조하십시요.











PELLETIZER

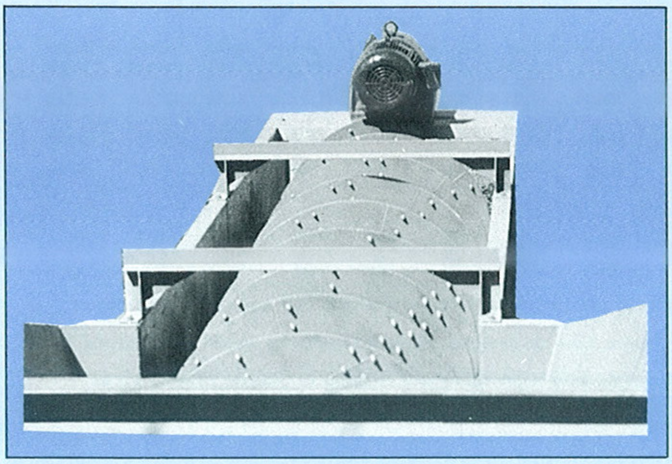
Technical data

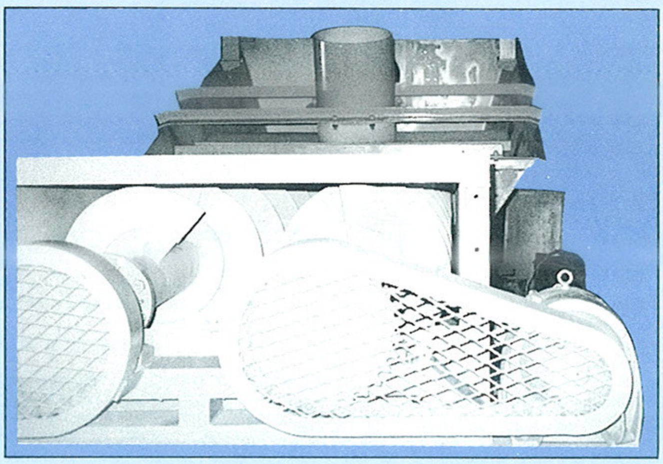
Model		TKPT 10	TKPT 14	TKPT 22**	TKPT 29**	TKPT 45**
Pan Diameter	A	1000 (39 3/8)	1400 (55 1/8)	2200 (86 5/8)	2900 (114 3/16)	4500 (177 3/16)
mm Inches in Brackets	*	1000/800 (39 3/8/31 1/2)	1400/1100 (55 1/8/43 5/16)	2200/1800 (86 5/8/70 7/8)	2900/2200 (114 3/16/86 5/8)	4500/3800 (177 3/16/149 5/8)
Pan Height	B	280 or 500 (11 or 19 11/16)	400 or 700 (15 3/4 or 27 9/16)	600 or 925 (23 5/8 or 36 7/16)	800 or 1100 (31 1/2 or 43 5/16)	800 or 1100 (31 1/2 or 43 5/16)
mm Inches in Brackets	*	500/280 (19 11/16/11)	700/400 (27 9/16/15 3/4)	925/600 (36 7/16/23 5/8)	1100/800 (43 5/16/31 1/2)	1100/800 (43 5/16/31 1/2)
Speed of Pan	RPM	20-30	18-26	15-22	12-17	9-15
Pan Drive	KW HP	1.1-2.2 1.5-3.0	3.7-5.5 5.0-7.5	11-22 15.0-30.0	22-45 30.0-61	44-75 60.1-102
Rotor Drive	KW HP	1.1 1.5	1.5 2.0	2.2 3.0	3.0 4.0	3.7 5.0
Incline Adjustment Drivemanual or with motor	KW HP	0.55 0.75	0.55 0.75	1.1 1.5	1.1 1.5	1.1 1.5
Angle of inclination		30°-92°	50°-92°	50°-92°	50°-92°	50°-92°
mm Inches	C	1900 (74 13/16)	2380 (93 1/16)	2900 (114 3/16)	3730 (146 7/8)	4550 (179 1/8)
See illustration	D	2400 (94 1/2)	2900 (114 3/16)	3110 (122 7/16)	4000 (157 1/2)	5120 (201 9/16)
	E	1000 (39 3/8)	1000 (39 3/8)	1500 (59 1/16)	1850 (72 13/16)	2200 (86 5/8)
	F	760 (29 15/16)	1040 (40 15/16)	1640 (64 9/16)	2070 (81 1/2)	2702 (106 3/8)
	G	580 (22 13/16)	880 (34 5/8)	1320 (51 15/16)	1570 (61 13/16)	2540 (100)
	H	325 (12 13/16)	430 (16 15/16)	640 (25 3/16)	915 (36)	1260 (49 5/8)
Net Weight Approx	KG lbs	600 or 700 1320 or 1540	1700 or 1900 3740 or 4180	3700 or 4500 8140 or 9900	7000 or 8000 15400 or 17600	14000 or 15000 30800 or 33000

The dimensions marked by an asterisk indicate inner and outer pan diameter and the respective pan heights the step-type discs.

** In Case of infinitely adjustable speed the pan drive is attained by means of hydrostatic drive

TAEKWANG SPIRAL CLASSIFIER





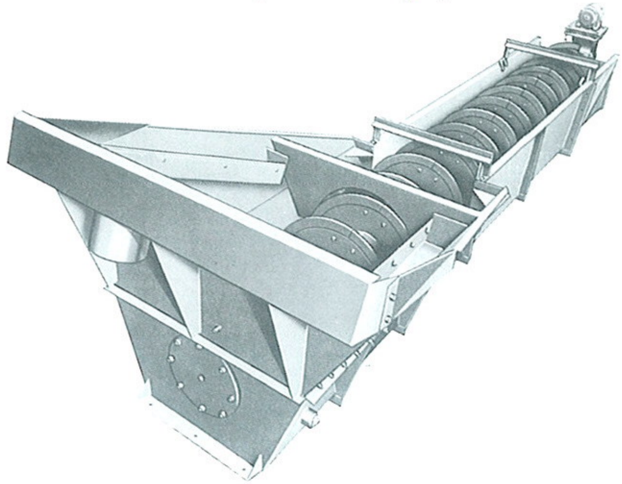
TAEKWNAG PLANT CO., LTD.

SPIRAL CLASSIFIER

TAEKWANG classifiers for years have been a major factor in high volume production at plants where product requirements are strict, capacities huge. Up-to-date -- low maintenance machine design is a must.

Now they have been made even more productive with better surge control techniquies, faster sand settling separating and dewatering. Full three side overflow distributes water over a wide area, turbulence is reduced to a mere ripple, sand settles in quiet pool area, while waste is flushed out smoothly and effectively.

TAEKWANG classifiers combine many features: provides hydraulic spiral lift (optional on 42″ dia. and larger machines), convenient, full tank start-ups in the big tanks; effective removal of slime and waste; water lubricated bearings standard on sizes under 42″ with grease lubricated bearings optional; various drive options giving capacity ranges from 100% to 20%, and speedy settling of fine sand and delivering a maximum dry product.

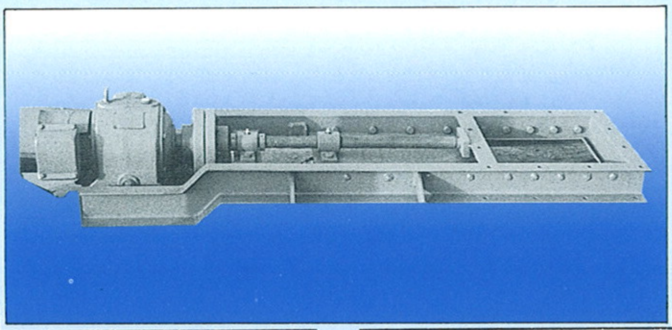


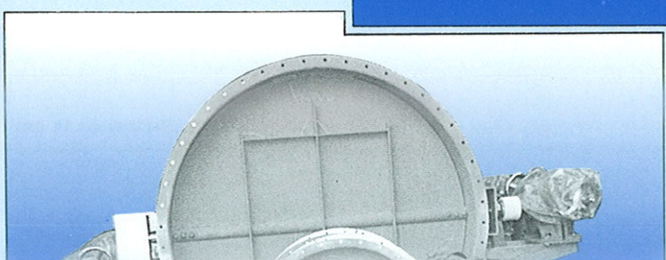
SPECIFICATIONS

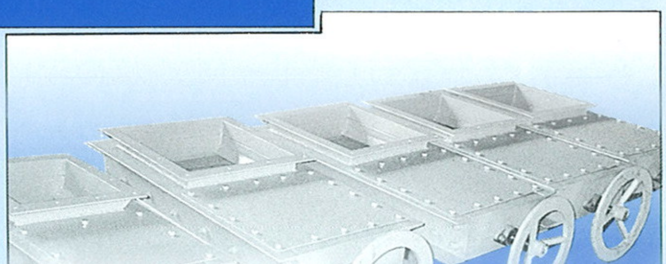
Size of Classifier Dia. X Length of Screw			20″×19′ 51mm× 5791mm Single	24″×22′ 610mm× 6706mm Single	30″×22′ 762mm× 6706mm Single	36″×25′ 914mm× 7620mm Single	36×25′ 914mm× 7620mm Twin	42″×28′ 1067mm× 8534mm Single	42″×28′ 1067mm× 8543mm Twin	48×32′ 1219mm× 9754mm Single	48″×32′ 1219mm× 9754mm Twin	60″×34′ 1524mm× 10363mm Single	60×34′ 1524mm× 10363mm Twin	72″×36′ 1829mm× 10973mm Single	72″×36′ 1829mm× 10973mm Twin
Cubical Contents-Cu. ft. approx (export packed)			450	580	930	980	1,600	1,270	1,800	1,650	2,750	6,080	8,870	8,460	12,100
Weight Empty-approx. ibs. (kilograms)			4,800 (2,160)	7,600 (3,420)	9,500 (4,275)	11,800 (5,310)	19,000 (8,550)	14,400 (6,480)	23,300 (10,485)	17,000 (7,650)	34,000 (15,300)	26,500 (11,925)	49,250 (22,163)	31,750 (14,288)	59,000 (26,550)
Weight full-approx. lbs. (kilograms)			11,650 (5,243)	17,700 (7,965)	22,500 (10,125)	32,700 (14,715)	55,600 (25,020)	43,700 (19,665)	76,400 (34,380)	65,000 (29,250)	120,000 (54,000)	101,800 (45,810)	154,400 (69,480)	172,900 (77,805)	262,000 (117,450)
Weight Boxed for Export-approx. lbs. (kilograms)			5,300 (2,385)	8,150 (3,668)	10,100 (4,545)	12,400 (5,580)	19,950 (8,978)	15,050 (6,773)	24,800 (11,160)	17,650 (7,943)	35,100 (15,795)	27,400 (12,460)	50,900 (23,135)	33,000 (15,000)	61,000 (117,450)
HP/Motor RPM at 100% Capacity 80% 60% 40% 20%			3 @1750 3 @1750 2 @1750 1,5@1160 1 @1160	7,5@1750 7,5@1750 5 @1160 3 @1160 1,5@ 870	10 @1750 10 @1750 7,5@1750 5 @1750 2 @1160	15 @1750 15 @1750 10 @1750 7,5@1750 3 @1160	2-15 @1750 2-15 @1750 2-10 @1750 2-7,5@1750 2-3 @1160	20 @1750 15 @1750 15 @1750 7,5@1750 5 @1160	2-20@1750 2-15 @1750 2-15 @1750 2-7,5@1750 2-5 @1160	25@1750 20@1750 15 @1750 10@1750 5@1160	2-25@1750 2-20@1750 2-15@1750 2-10@1750 2-5 @1160	40@1750 30@1750 25@1750 20@1750 10@1150	2-40@1750 2-30@1750 2-15@1750 2-20@1750 2-10@1150	50@1750 40@1750 30@1750 20@1750 10@1150	2-50@1750 2-40@1750 2-30@1750 2-20@1750 2-10@1150
RAKING CAPACITY DATA(TPH) Solids Descriptiont	Fineness Modulus	Sprial Speed													
Very Coarse	3,4	100%	35(32)	50(45	75(68	110(100)	220(200)	155(141)	310(281)	205(186)	410(372)	320(290)	640(581)	460(417)	920(835)
Average Concrete Sand	2,7	80%	29(25)	40(36)	60(54)	88(80)	176(160)	124(112)	248(225)	164(149)	328(298)	256(232)	512(464)	368(334)	736(668)
Medium Sand-10% Minus 100Mesh	2,0	60%	21(19)	30(27)	45(41)	66(60)	132(120)	96(87)	192(174)	123(112)	246(223)	192(174)	384(346)	276(250)	552(500)
Fine Sand-20% Minus 100Mesh	1,5	40%	14(12)	20(18)	30(27)	44(40)	88(80)	62(56)	124(112)	82(74)	164(149)	128(116)	256(232)	184(167)	368(334)
Very Fine-40% Minus 100Mesh	0,8	20%	7(6)	10(9)	15(13)	22(20)	44(40)	31(28)	62(56)	41(37)	82(74)	64(58)	128(116)	92(84)	184(167)
WATER CAPACITY(GPM) ! RECOVERING Plus 100 Mesh Plus 150 Mesh Plus 200 Mesh			490 250 130	560 280 140	640 320 160	790 350 180	1,290 650 330	1,250 630 320	2,040 1,020 510	1,600 800 400	2,430 1,220 610	1,760 880 440	2,680 1,340 670	2,000 1,000 500	3,000 1,500 750

* Capacity indicates TPH dewatered to a Moiosture allowing good conveyoing characteristics on an inclined belt conveyor. Maximun allowable inclination 16°, with 15° or less preferable.
Solids description is a guide only. Specific materials may require lab examination or testing. Spectic gravity of solids is assumed to be 2.6-2.7. Fineness modulus ia only.
Water capacities shown are figured classfier handling ″average concrete sand and with sufficient diluion to obtain a fairly clear overflow. For overflows heavily laden with suspended silt and clay., reduce water capacities shown by 30%. Extermely slimy overflows may require dilution water added through wash water distributor. Water capacities may be increased for each 20% reduction in spiral speed. 10 GPM of fresh water at 15 psi pressure must be provided for each water lubrication(marine) bearing in use.

TAEKWANG DAMPER & GATE, DISTRIBUTOR

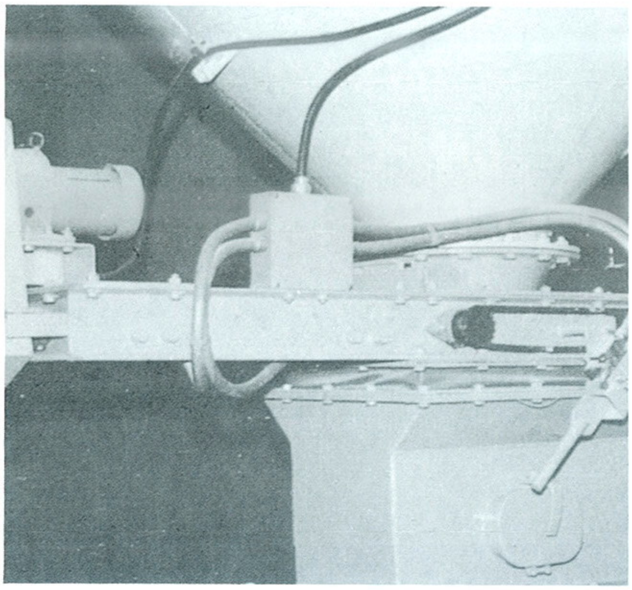






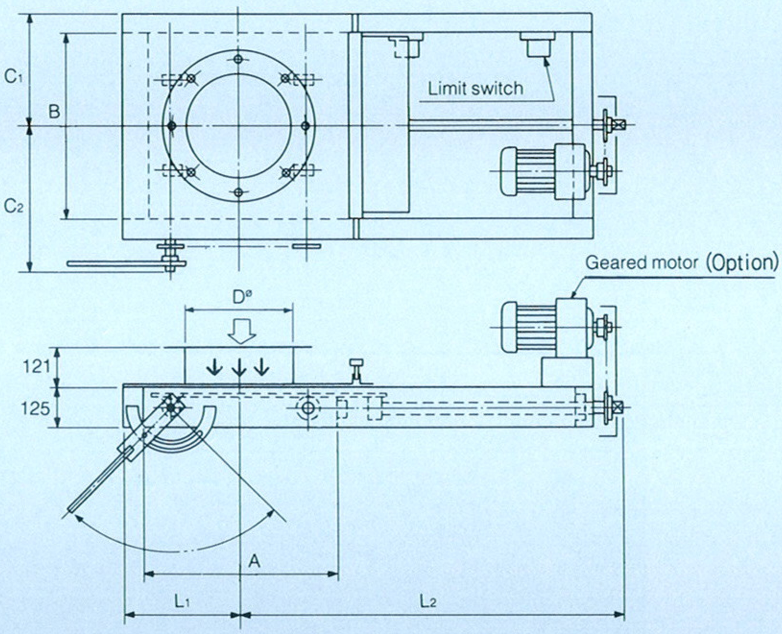
TAEKWANG PLANT CO., LTD.

AIRTIGHT GATE(SILO-BOTTOM)



When fumigation is taken plase, it is necessary to close the outlet of Silo bottom in order to keep airtight.
TAEKWANG AIRTIGHT GATE(SILO BOTTOM) have many merits.

- Airtight operation is made by only one touch.
- Ability of keeping airtight is high.
- The gate motion is reliable.
- Compact and economical.

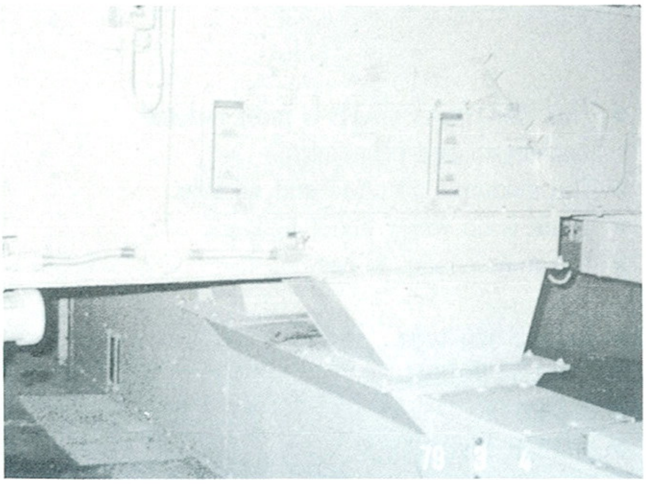


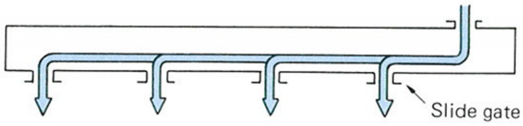
(Dimension in mm)

Gate No.	Gate Size							Geared Motor	Moving Time(S)	
	D^{ϕ}	A	B	C_1	C_2	L_1	L_2	KW×P×1/R	50Hz	60Hz
TKSGS 280	280	480	400	265	350	305	1,040	0.4 ×4×1/10	16	13
TKSGS 350	350	550	470	380	380	340	1,145	0.4 ×4×1/10	18	15
TKSGS 400	400	600	520	325	410	365	1,200	0.4 ×4×1/10	19	16
TKSGS 500	500	700	620	375	460	415	1,370	0.75×4×1/10	23	19

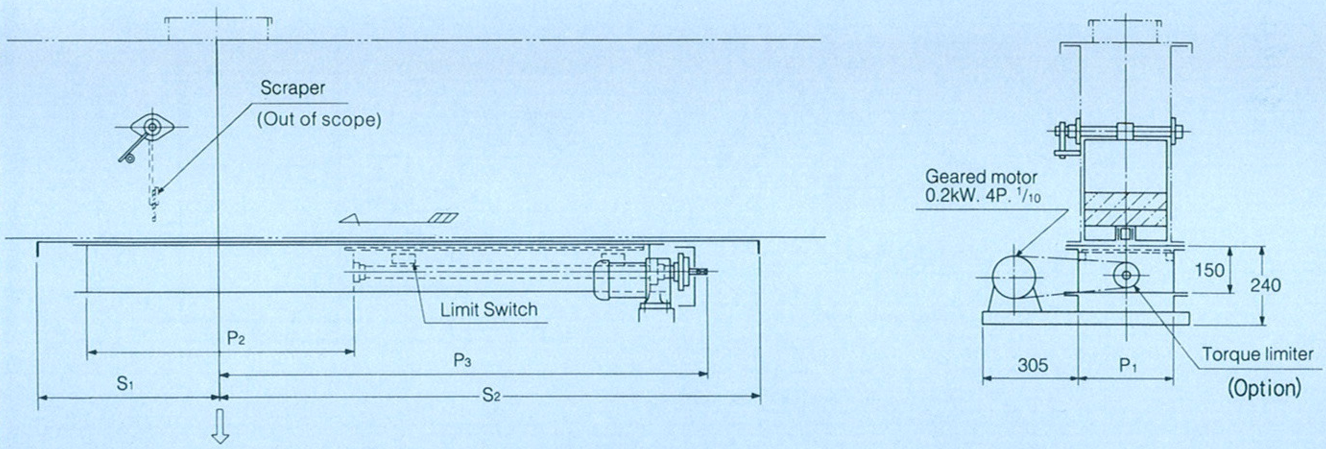
SLIDE GATE

This SLIDE GATE is mainly used for intermediate discharge from FC of FK type FLOW CONVEYOR.





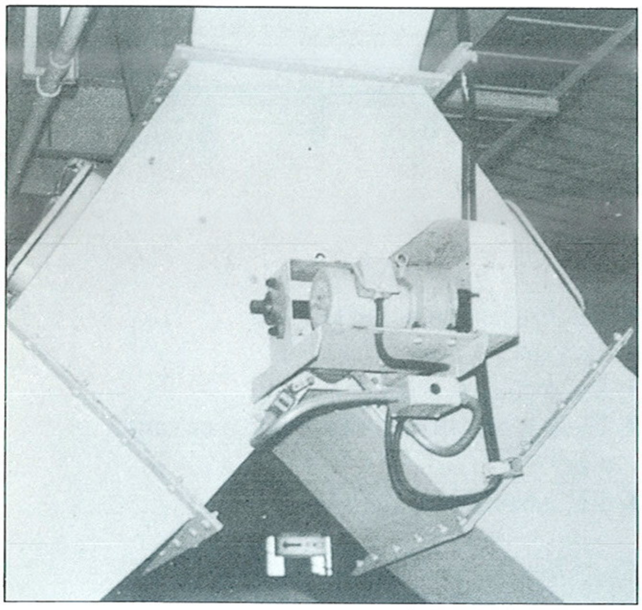
- The mechanism is rational and economical.
- The motion is accurate.
- There is no worry about leakage or carry over.
- The maintenance is easy.



(Dimension in mm)

Appliable conveyor No.	Slide Size						Bottom Plate of Trough	
	Gate No.	Size			Move. Time(S)			
		P_1	P_2	P_3	50Hz	60Hz	S_1	S_2
FC150, FK150	TKSGC 150	160	570	1,130	12	10	440	1,240
FC200, FK200	TKSGC 200	210	670	1,280	15	12	490	1,390
FK240	TKSGC 240	250	750	1,400	17	14	530	1,510
FC270, FK270	TKSGC 270	280	800	1,475	18	15	560	1,580

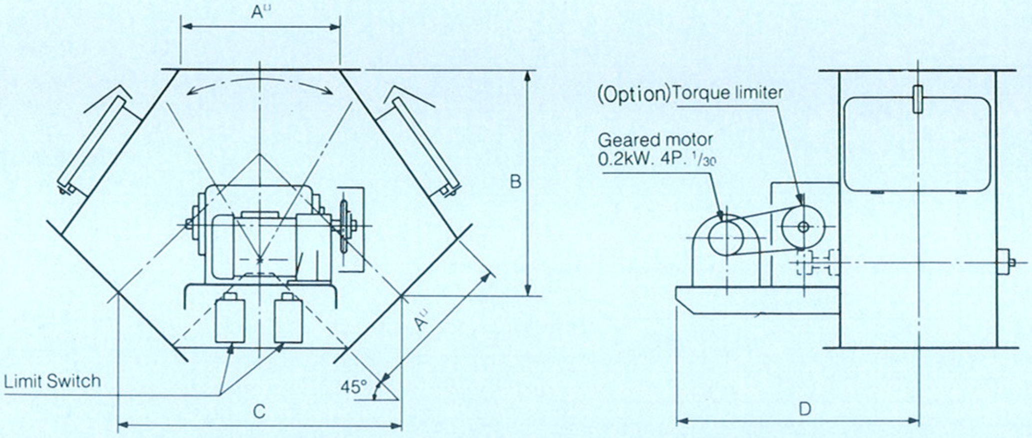
TWO-WAY GATE



With TWO-WAY GATE, it is possible to change of direction from one to two, easily.

- This TWO-WAY GATE is most rational mechanism and economical.
- The motion is accurate and reliable.
- There is no worry about leakage.
- The maintenance is easy.

* Driving unit type
- AIR CYLINDER
- G-MOTOR
- MOTOR CYLINDER
- HYDRAULIC CYLINDER

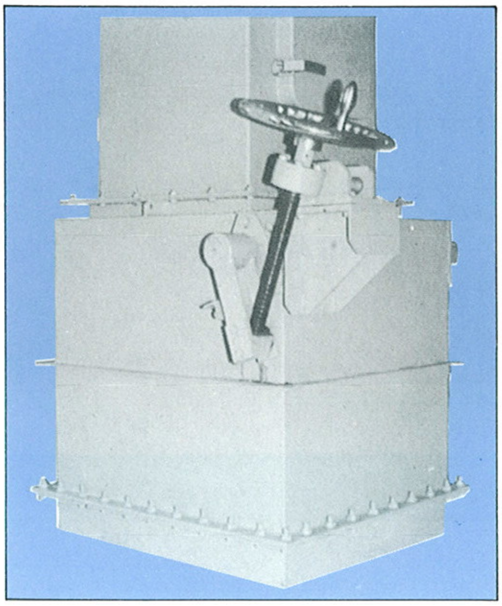


G-MOTOR TYPE

(Dimension in mm)

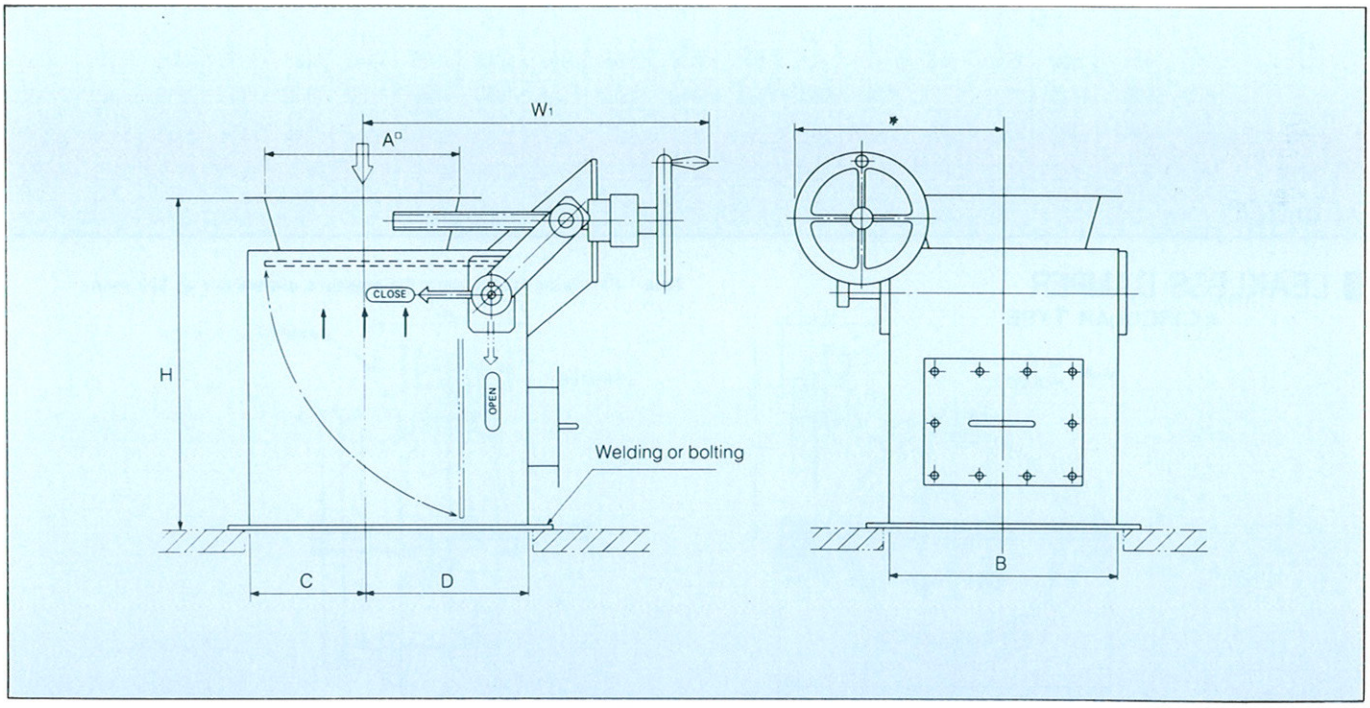
Gate No.	Angle	Size				Move. Time(S)	
	θ°	A	B	C	D	50Hz	60Hz
TKTW 150	45°	150	370	480	420	7	6
TKTW 200	45°	200	400	510	445	7	6
TKTW 250	45°	250	430	550	470	7	6
TKTW 300	45°	300	460	580	495	7	6
TKTW 350	45°	350	500	620	520	7	6

AIRTIGHT GATE(SILO-TOP)



When fumigation is taken plase, it is necessary to close the inlet of silo top in order to keep airtight. TAEKWANG AIRTIGHT GATE(SILO TOP) is epochmaking and splendid.

- The operation is matchlessly easy, owing to the most rational and unique mechanism.
- Ability of keeping airtight is very good.
- It is very economical.



(Dimension in mm)

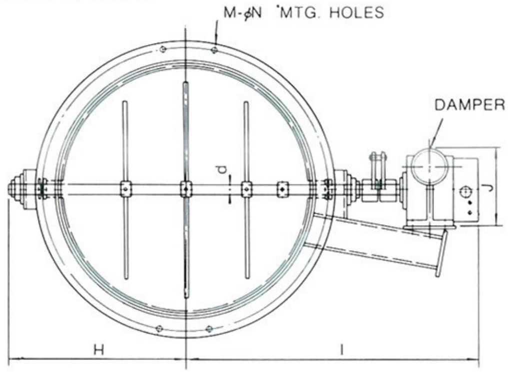
Gate No.	Size						
	A□	B	C	D	H	W_1	W_2
TKAG 300	300	420	215	295	640	650	385
TKAG 350	350	470	240	320	690	675	410
TKAG 400	400	520	265	345	740	700	435
TKAG 500	500	620	315	395	850	750	485

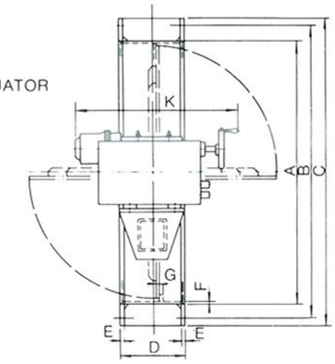
DAMPER

BUTTERFLY DAMPER

• CIRCULAR TYPE

Note : Following tables show the standard dimension at 500 mmAq



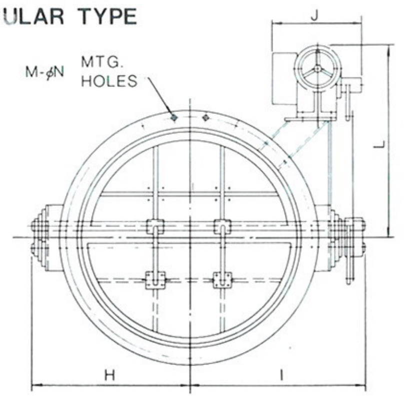


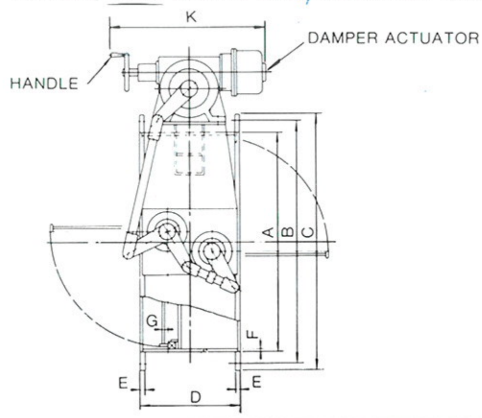
SIZE / DIMENSION	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
A	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
B	580	680	780	900	1000	1100	1200	1320	1420	1520	1620	1720	1820	1920	2020	2120	2220	2320	2420
C	650	750	850	980	1080	1180	1280	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
D	250	250	250	250	250	250	250	250	300	300	300	300	300	300	300	350	350	350	350
E	9	9	9	9	9	12	12	12	12	12	12	12	12	12	12	16	16	16	16
d	30	30	35	35	40	40	45	45	50	60	60	70	70	70	70	80	80	80	80
F	4.5	4.5	4.5	4.5	4.5	6	6	6	6	6	6	6	6	6	6	9	9	9	9
G	6	6	6	6	6	9	6	6	6	6	6	9	9	9	9	9	9	9	9
H	455	505	560	610	665	715	765	815	870	935	985	1045	1095	1145	1195	1255	1305	1355	1405
I	870	970	1025	1110	1160	1210	1265	1335	1440	1505	1555	1690	1740	1790	1840	1900	2010	2060	2110
J	320	320	320	320	320	320	320	360	416	426	485	485	485	485	485	485	610	610	610
K	653	653	653	653	653	653	653	763	837	837	837	1009	1009	1009	1009	1009	1117	1117	1117
M-N	20-23	20-25	24-25	24-27	24-27	28-27	28-27	32-27	32-27	36-27	36-27	40-27	40-27	44-27	44-27	48-27	48-27	52-33	52-33
ACTUATOR	TKMP -0105	TKMP -0205	TKMP -0205	TKMP -0505	TKMP -0505	TKMP -0805	JDM -0805	JDM -1105	JDM -2005	JDM 2005	JDM -2005	JDM -4005	JDM -4005	JDM -4005	JDM -4005	JDM -8005	JDM -8005	JDM -8005	JDM -8005

LEAKLESS DAMPER

• CIRCULAR TYPE

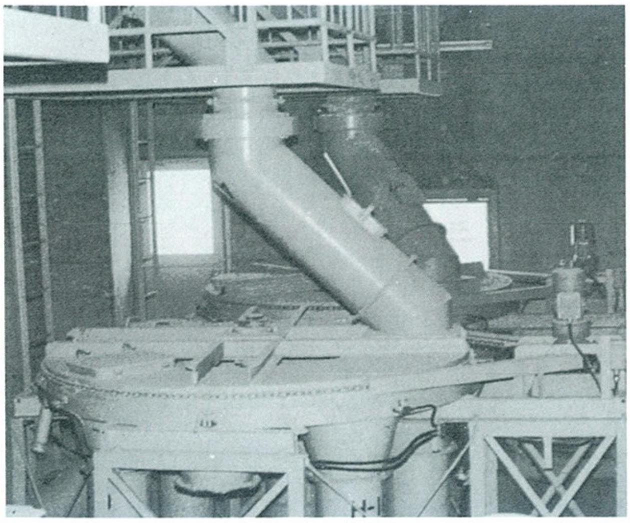
Note : Following tables show the standard dimensions at 500 mmAq





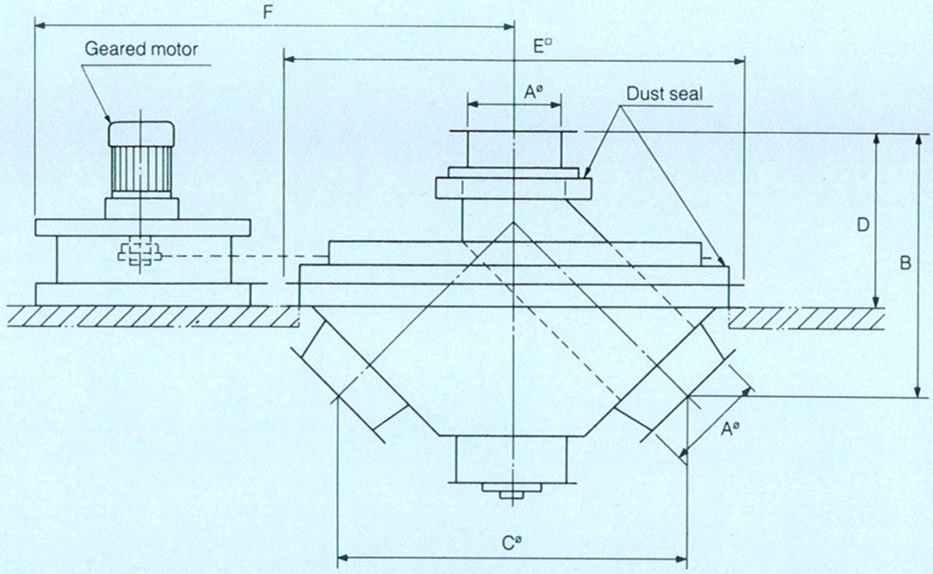
SIZE / DIMENSION	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
A	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
B	580	680	780	900	1000	1100	1200	1320	1420	1520	1620	1720	1820	1920	2020	2120	2220	2320	2420
C	650	750	850	980	1080	1180	1280	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
D	400	400	400	400	500	500	500	500	500	500	600	600	650	650	650	650	850	850	850
E	9	9	9	9	9	12	12	12	12	12	12	12	12	12	12	16	16	16	16
F	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	9	9	9	9
G	6	6	6	6	6	9	6	6	6	6	6	9	9	9	9	9	9	9	9
H	460	525	576	625	690	740	790	840	895	935	1000	1050	1110	1160	1210	1280	1345	1395	1445
I	515	600	650	700	790	840	890	940	980	1030	1120	1170	1255	1305	1355	1405	1535	1585	1635
J	358	398	398	398	414	414	414	414	414	414	419	419	462	462	462	462	521	521	521
K	653	653	653	653	653	653	653	763	837	837	837	1009	1009	1009	1009	1009	1117	1117	1117
L	720	760	790	820	860	890	920	950	980	1000	1040	1060	1160	1180	1200	1220	1320	1340	1360
M-N	20-23	20-25	24-25	24-27	24-27	28-27	28-27	32-27	32-27	36-27	36-27	40-27	40-27	44-27	44-27	48-27	48-27	52-33	52-33
ACTUATOR	TKMP -0105	TKMP -0205	TKMP -0205	TKMP -0505	TKMD -0505	TKMD -0805	TKMD -0805	TKMD -1105	TKMD -2005	TKMD 2005	TKMD -2005	TKMD -4005	TKMD -4005	TKMD -4005	TKMD -4005	TKMD -8005	TKMD -8005	TKMD -8005	TKMD -8005

DISTRIBUTOR



Only one distributor makes it possible to change of direction from one to multiple, easily with small space.

- This DISTRIBUTOR is compact and ecnomical.
- The dust seal between roatating portion and fixed portion is complete with unique technic.
- With the accurate rotation stop, no erroneous motion occurs.

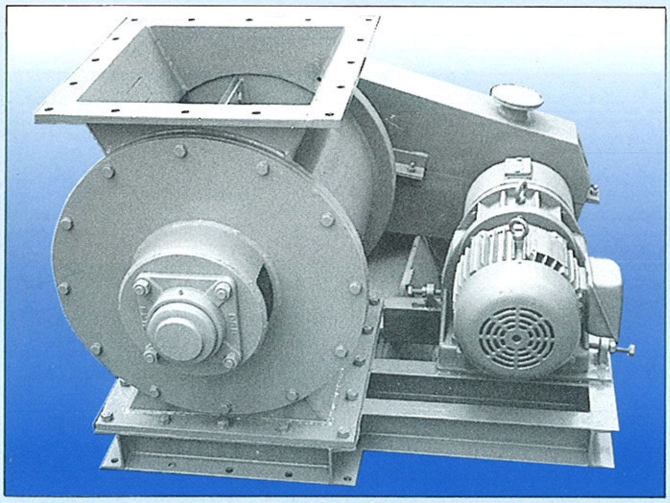


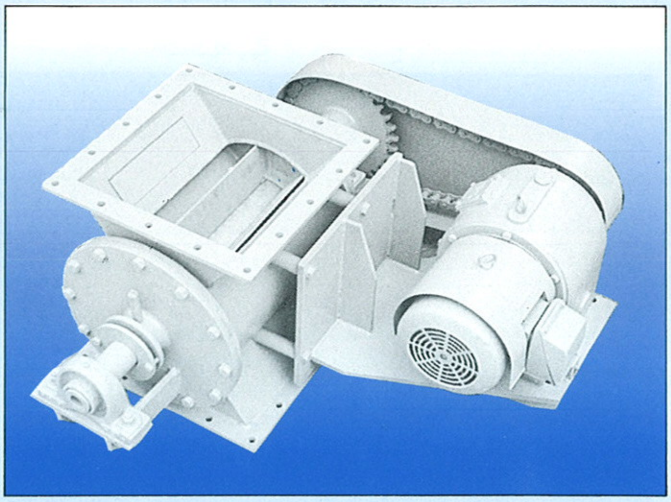
(Dimension in mm)

TYPE	Common	4 Way					5 Way					6 Way				
	A$^{\phi}$	B	C$^{\phi}$	D	E□	F	B	C$^{\phi}$	D	E□	F	B	C$^{\phi}$	D	E□	F
TKDT155	155	640	780	393	1,080	1,190	660	820	413	1,120	1,140	690	880	443	1,180	1,290
TKDT205	205	700	880	458	1,240	1,300	720	920	478	1,280	1,350	770	1,020	528	1,380	1,400
TKDT254	254	740	940	488	1,320	1,350	1,770	1,000	518	1,380	1,400	830	1,120	578	1,500	1,450
TKDT305	305	790	1,020	543	1,470	1,465	840	1,120	594	1,570	1,565	910	1,260	663	1,710	1,615
TKDT340	340	850	1,100	593	1,570	1,515	890	1,180	633	1,650	1,565	960	1,320	703	1,790	1,665

For example : GD4W-155$^{\phi}$ shows 4way. A=155$^{\phi}$

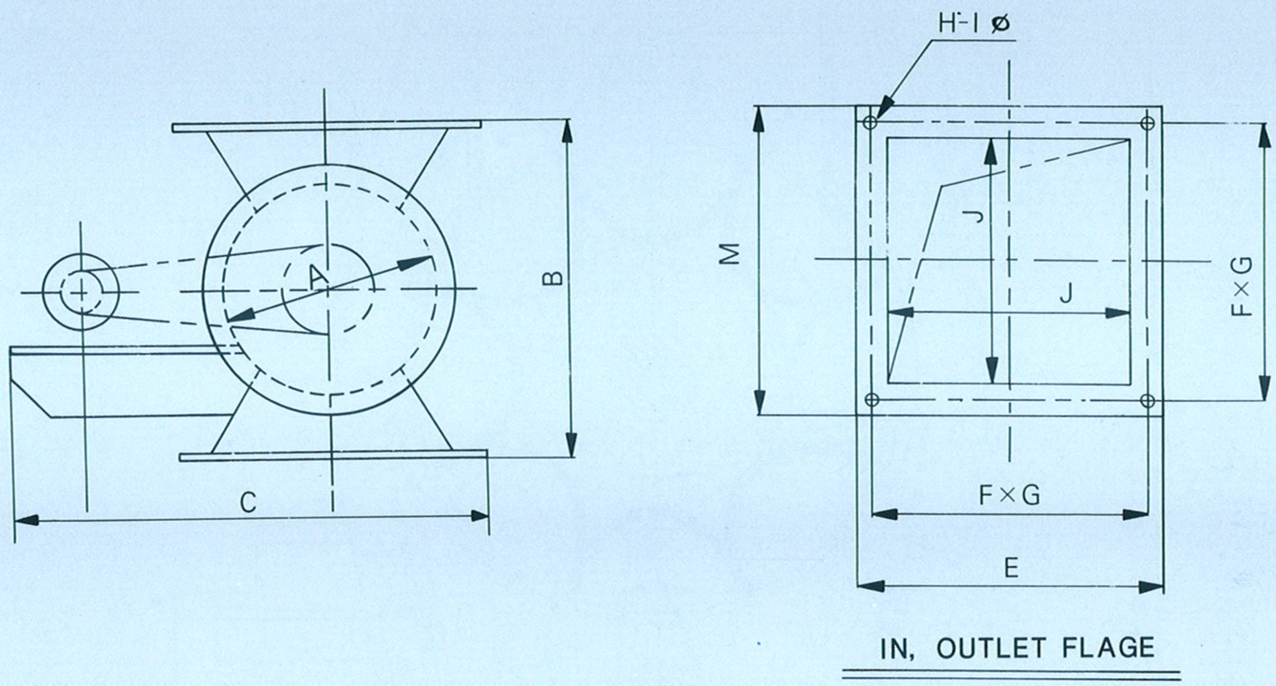
TAEKWANG ROTARY FEEDER





TAEKWANG PLANT CO., LTD.

GENETRAL TYPE ROTARY VALVE

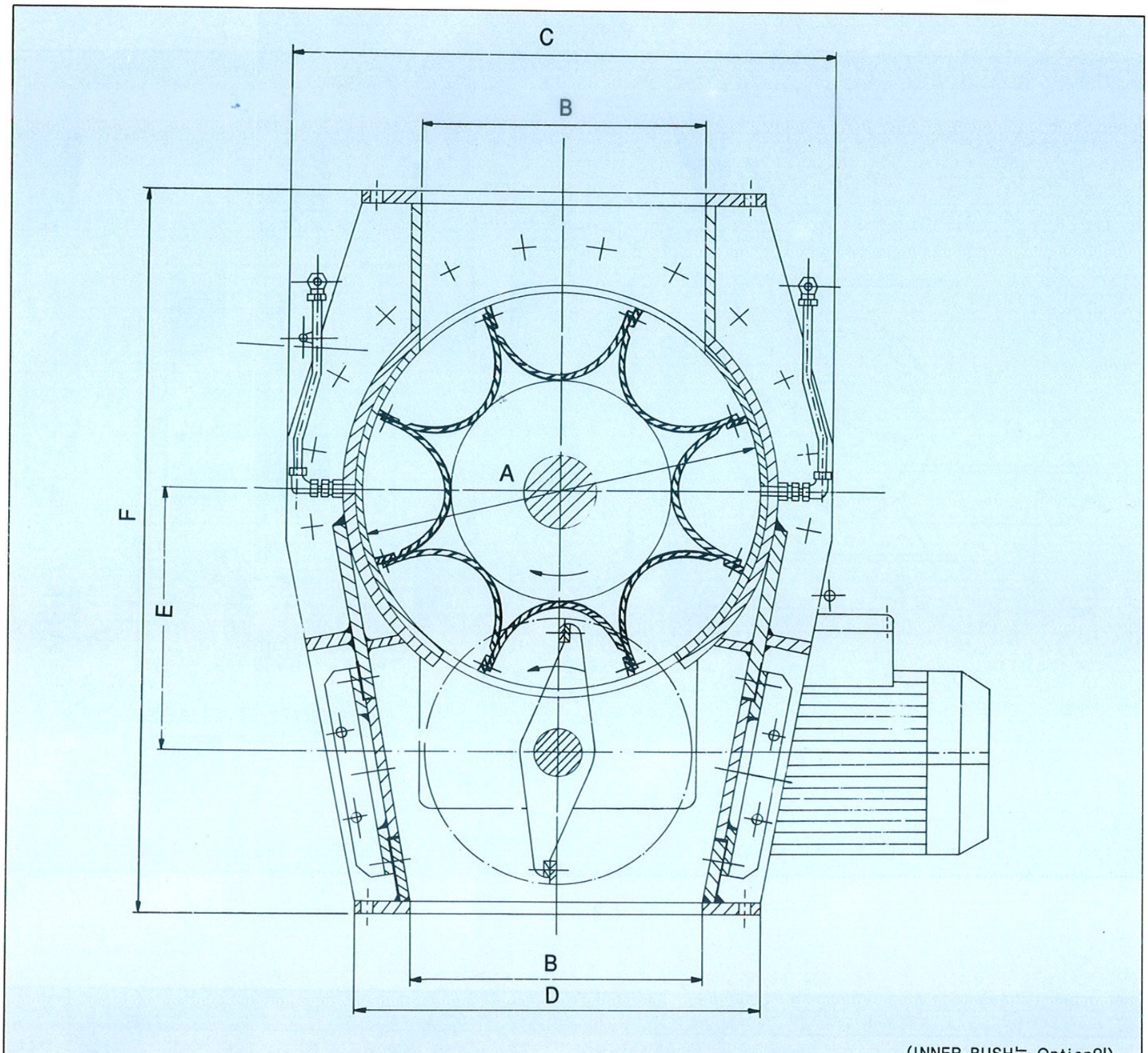


TYPE	Capacity	Motor Power	A	B	C	D	E	F	G	H	I	J
TVRV 200	4.5	0.75KW×4p	200	300	150	550	300	2	115	8	14	200
TKRV 250	8.5	0.75KW×4p	250	400	200	550	400	3	120	12	14	300
TKRV 300	18	0.75KW×4p	300	300	200	550	400	3	120	12	14	300
TKRV 350	25	0.75KW×4p	350	450	200	600	400	3	120	12	14	300
TKRV 400	38	1.5 KW×4p	400	520	250	650	500	4	115	16	14	400
TKRV 450	56	1.5 KW×4p	450	600	250	650	500	4	115	16	14	400
TKRV 500	73	1.5 KW×4p	500	640	315	700	630	5	114	21	14	500
TKRV 550	100	2.2 KW×4p	550	640	315	700	630	5	114	21	14	500
TKRV 600	130	2.2 KW×4p	600	700	345	750	690	5	126	21	14	560
TKRV 650	150	3.7 KW×4p	650	800	365	800	730	5	134	21	14	600

* CAPACITY는 1 RPM당 ℓ임(ℓ/RPM)

ROTARY FEEDER

SELF CLEANING TYPE ROTARY VALVE

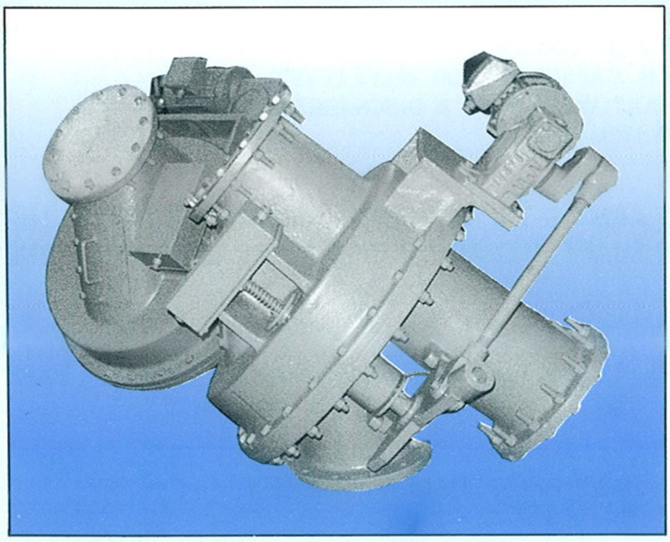


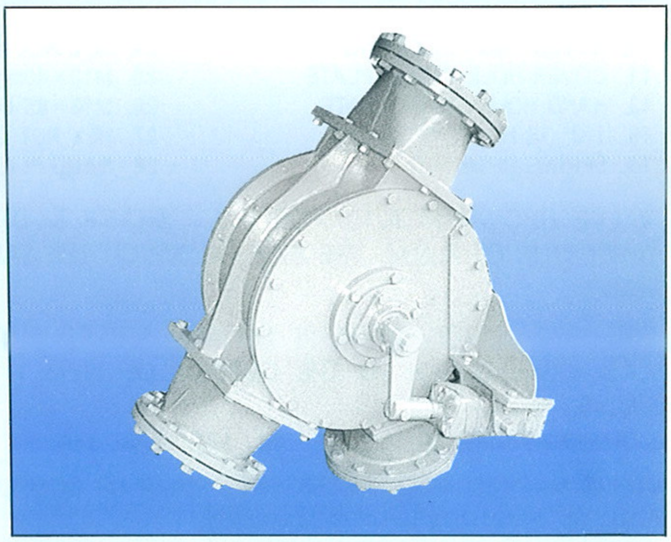
(INNER BUSH는 Option임)

TYPE	Capacity	Motor Power	A	B	C	D	E	F
TKSF 300	0.0055	0.75KW	300	300	450	400	225	600
TKSF 350	0.01	1.5KW	350	300	500	400	225	700
TKSF 400	0.0163	2.2KW	400	350	600	480	300	750
TKSF 450	0.0215	3.7KW	450	350	700	480	300	900
TKSF 500	0.026	3.7KW	500	400	300	550	375	900
TKSF 600	0.037	5.5KW	600	400	850	550	375	1050

* CAPACITY는 1RPM당 m^3임

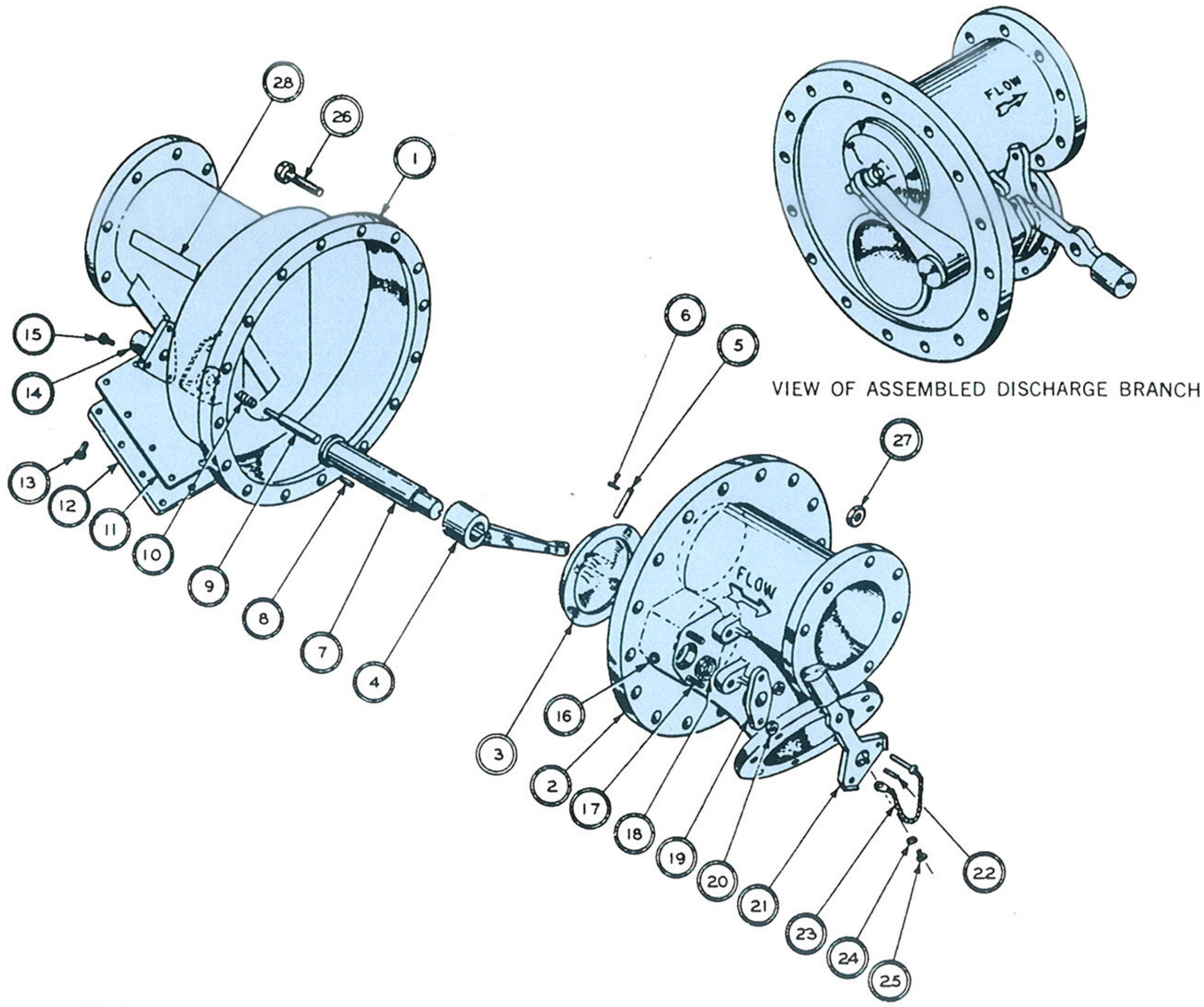
TAEKWANG 2WAY VALVE (S · K · V/V)





TAEKWANG PLANT CO., LTD.

2WAY VALVE(S · K · V/V)



1. VALVE BODY
* 2. DISCHARGE BRANCH
* 3. VALVE DISC
* 4. VALVE DISC ARM - R. H.
* 5. VALVE DISC PIN
* 6. 1/8″ COTTER PIN (VALVE DISC PIN)
* 7. DISC ARM SHAFT
* 8. 10mm SQ. KEY (VALVE DISC ARM)
9. ADJUSTING PIN
*10. ADJUSTING PIN SPRING
11. COVER HOLE COVER PLATE
12. HAND HOLE COVER PLATE
13. 1/2″ 13 H. H. CAPSCREW
14. SPRING RETAINER
15. M12×2. 5 LG. SQ. HD. SCREW (SPRING RETAINER TO VALVE BODY)
*16. 1/8″ ALEMITE FITTING - #1610
*17. STUD (FOR PACKING GLAND)
*18. 9mm SQ. PACKING (DISCHARGE BRANCH)
*19. PACKING GLAND
*20. M12 HEX NUT (FOR ITEM 17)
21. VALVE LEVER WITH STOPS (R. H. OPERATION)
22. 16mm SQ. KEY (VALVE LEVER)
23. LOCK PIN AND CHAIN
24. M12 HEX NUT (FOR ITEM 25)
25. M12×40mm H. H. CAPSCREW (FOR VALVE LEVER)
26. M18×85 LG. BOLT (VALVE BODY & DISCHARGE BRANCH)
27. HEX NUT (FOR ITEM 26)
28. NAME PLATE

VALVE SHOWN IS R. H. FOR L. H., SHAFT & DISC ARM IS ON OPPOSITE SIDE. LOOKING IN THE DIRECTION OF FLOW, THE SIDE ON WHICH THE VALVE SHAFT AND ARM IS ASSEMBLED DETERMINED THE HAND.

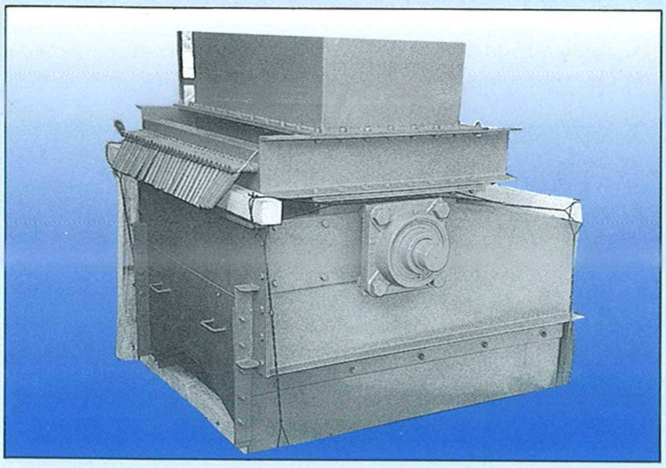
PRE-1970 DESIGN VALVE IS SHOWN. SUBSEQUENT DESIGN ITEMS 7 AND 9 AS SINGLE SHAFT WHICH EXTENDS THROUGH TO THE OUTSIDE OF ITEM 1 BODY CASTING. CUSTOMER SHOULD SPECIFY TYPE VALVE.

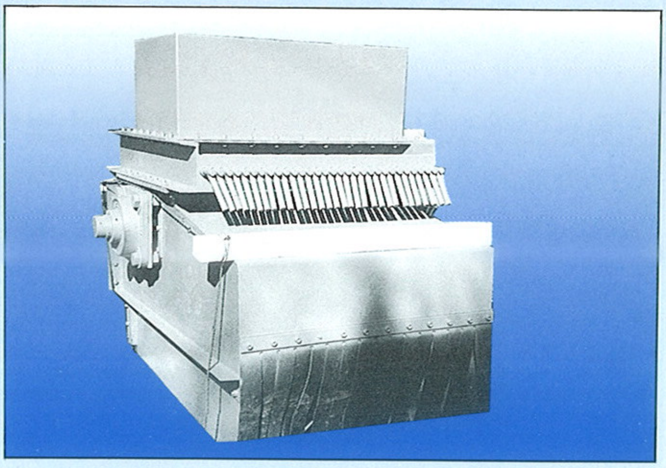
STANDARD SIZE 4B, 5B, 6B, 8B, 10B, 12B, 14B

ITEMS MARKED WITH ASTERISK(*) MAKE UP COMPLETE DISCHARGE BRANCH ASSEMBLY.

* VALVE SIZE IS 4″~18″(STANDARD)

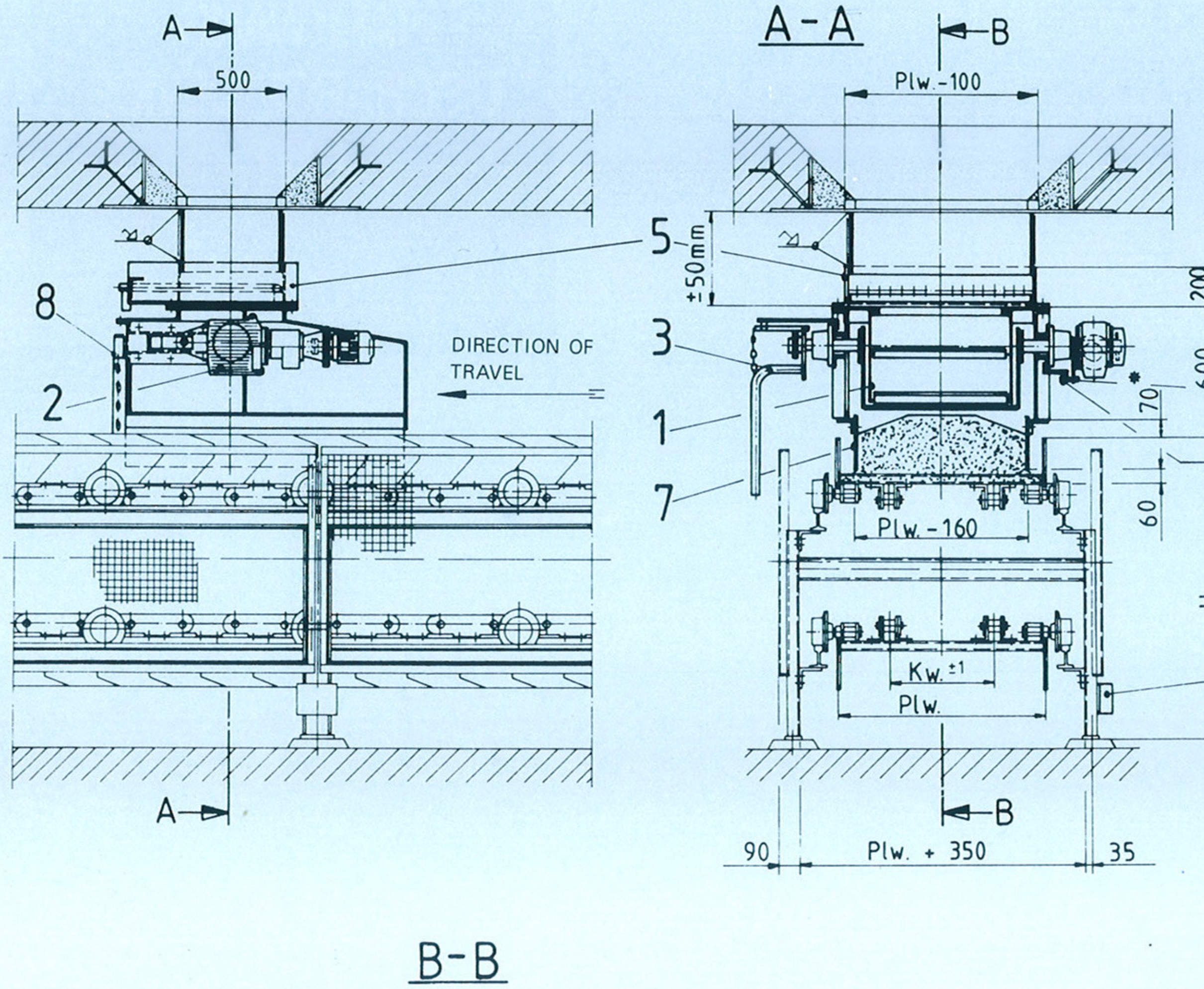
TAEKWANG DISCHARGE DEVICE UNIT

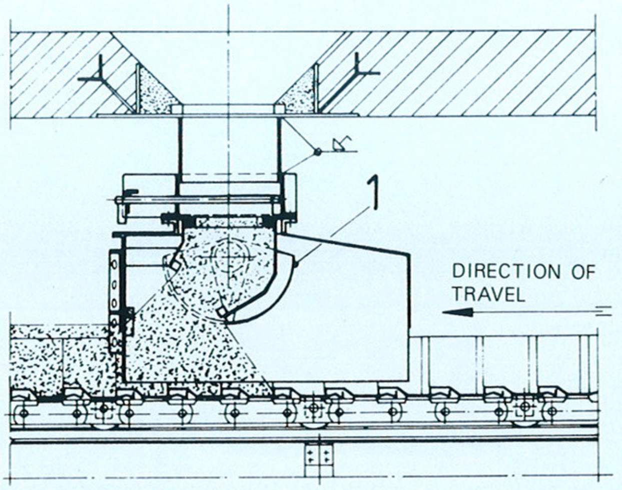




TAEKWANG PLANT CO., LTD.

DISCHARGE DEVICE UNIT

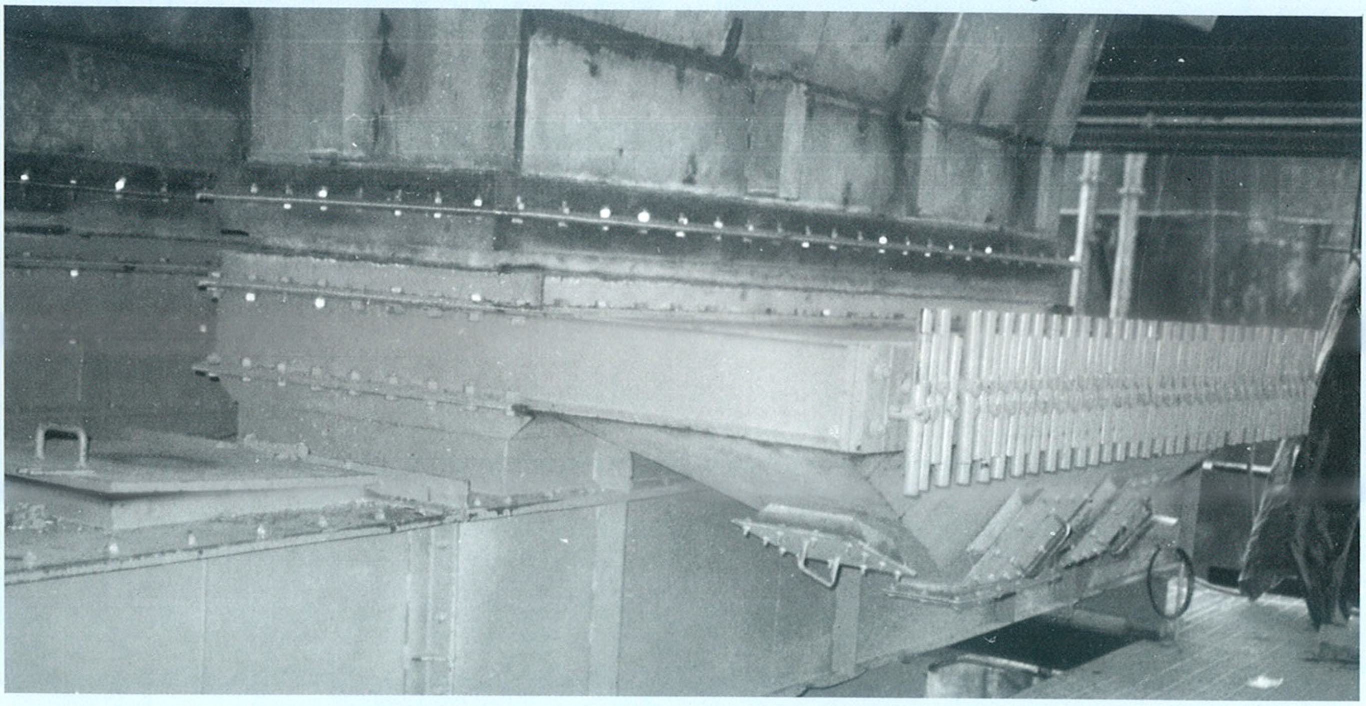




* It is absolutely necessary to adhere to the dimension of 70mm during alignment of discharge system.

1. Cut off Gate
2. G-Motor/Motor Cylinder/Air Cylinder
3. Manual Lever
4. Indicator(limit S/W option)
5. Pin (Bar) gate
6. Control Vane-Control valve
7. Buffle plate
8. Layer Control
9. Option (Control S/W)

TAEKWANG PIN GATE (ROD GATE)

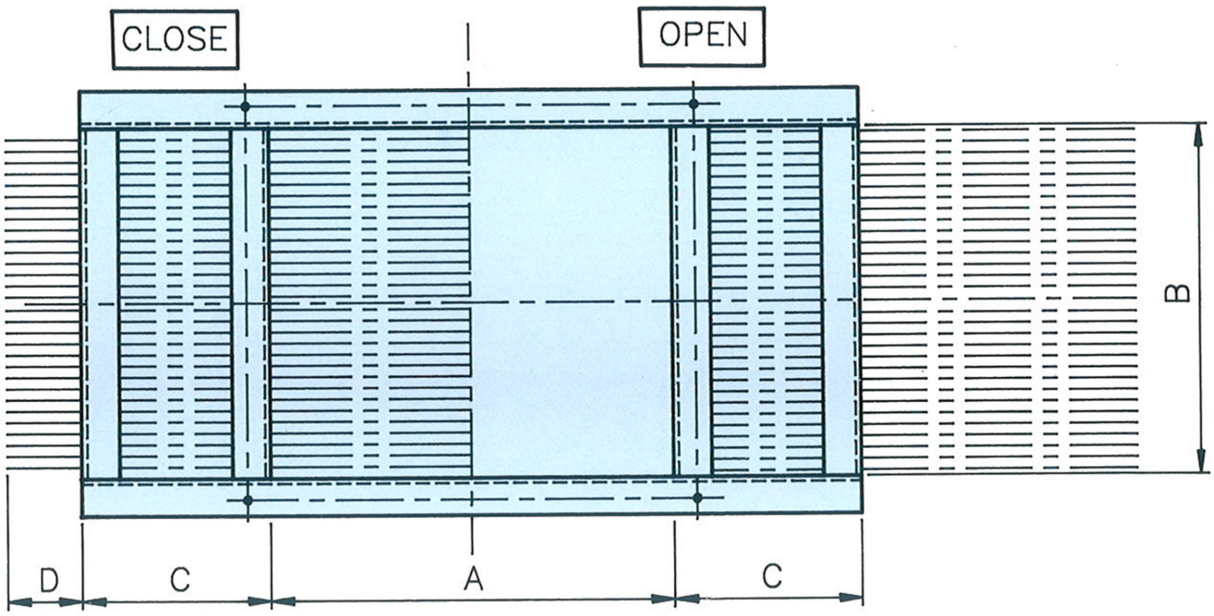


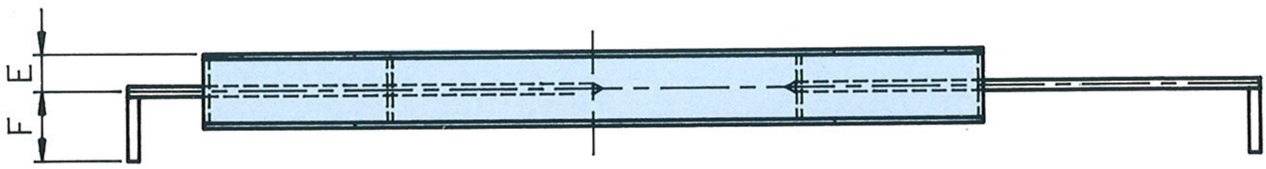
TAEKWNAG PLANT CO., LTD.

PIN GATE(ROD GATE)

1. APPLICATIONS
 ; 대형 SILO, HOPPER, BIN 등 배출구에 장착되며, 내부에서 작용하는 하중이 클때 사용한다.
 (CLINKER SILO하부, COAL SILO 하부등)

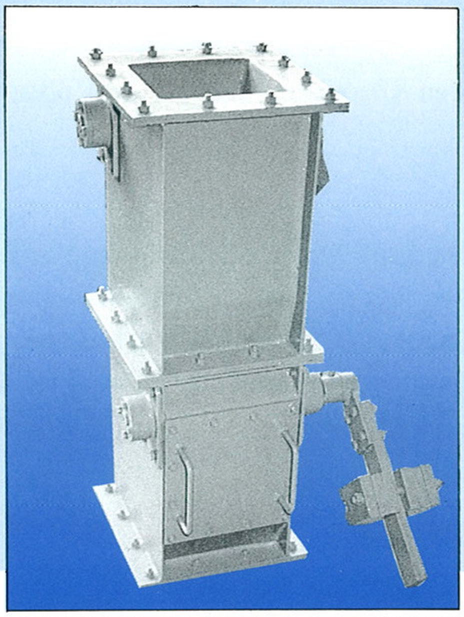
2. OPENING SIZE는 SILO등의 OUTLET FLANGE에 맞추어 제작하며, PIN DIA는 하중에 따라 선정된다.

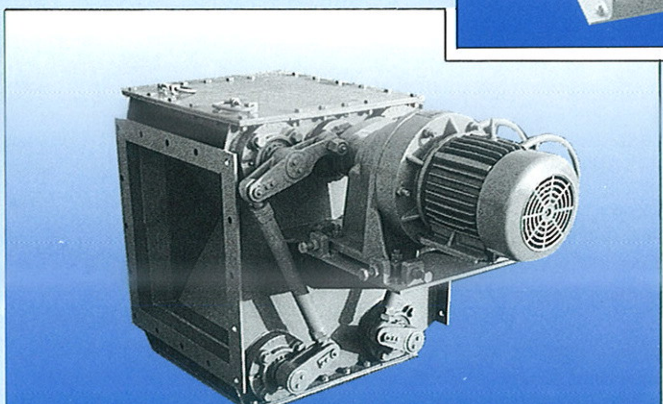


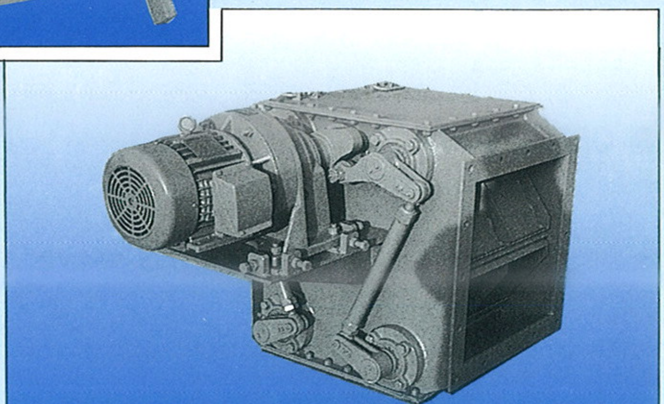


OPENING SIZE	A	B	C	D	E	F
1500*900	900	1500	450	100	100	150
3000*2000	2000	3000	450	100	100	150

TAEKWANG DOUBLE TIPPING VALVE





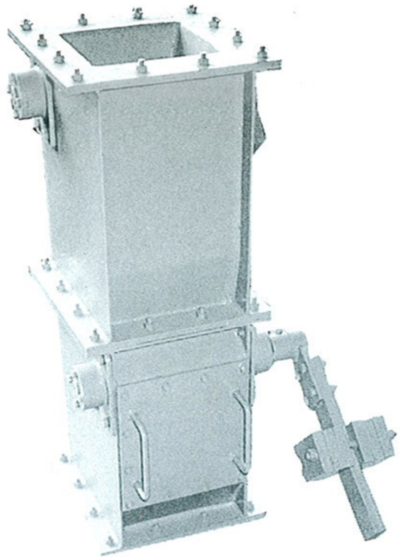


TAEKWANG PLANT CO., LTD.

DOUBLE TIPPING VALVE

APPLICATION

Double Tipping Valve is a two-gate, non-jamming, power-opened, gravity-closed discharge valve driven by a gear motor. Commonly used with dust collection equipment feeding into mechanical conveying systems.



SPECIFICATION

GENERAL

The Double Tipping Valve provides a dual-gate airlock seal against a differential pressure up to 55″ W.G. and will withstand material temperature up to 400°F. For material temperatures to 700°F, special motors and heat shields can be provided at extra cost.

BODY

The valve body is constructed of seven (7) gauge fabricated steel plate. Inspection plate cover permits easy service access.

GATES

The TIPPING Valve has two (2) sealing gates which alternately open and close as material passes through the unit in order to maintain a seal between material inlet an outlet. The alternating cycle is mechanically operated using an eccentric and gear motor arrangement> Simple gravity release produces non-jammming return operation. Steel gates are mounted on a finished shaft rotating freely on outboard self-aligning ball bearings.

MOTOR

Gear motors are TEFC, 3 phase, 220/440 Volt AC, 50/60 Hz.

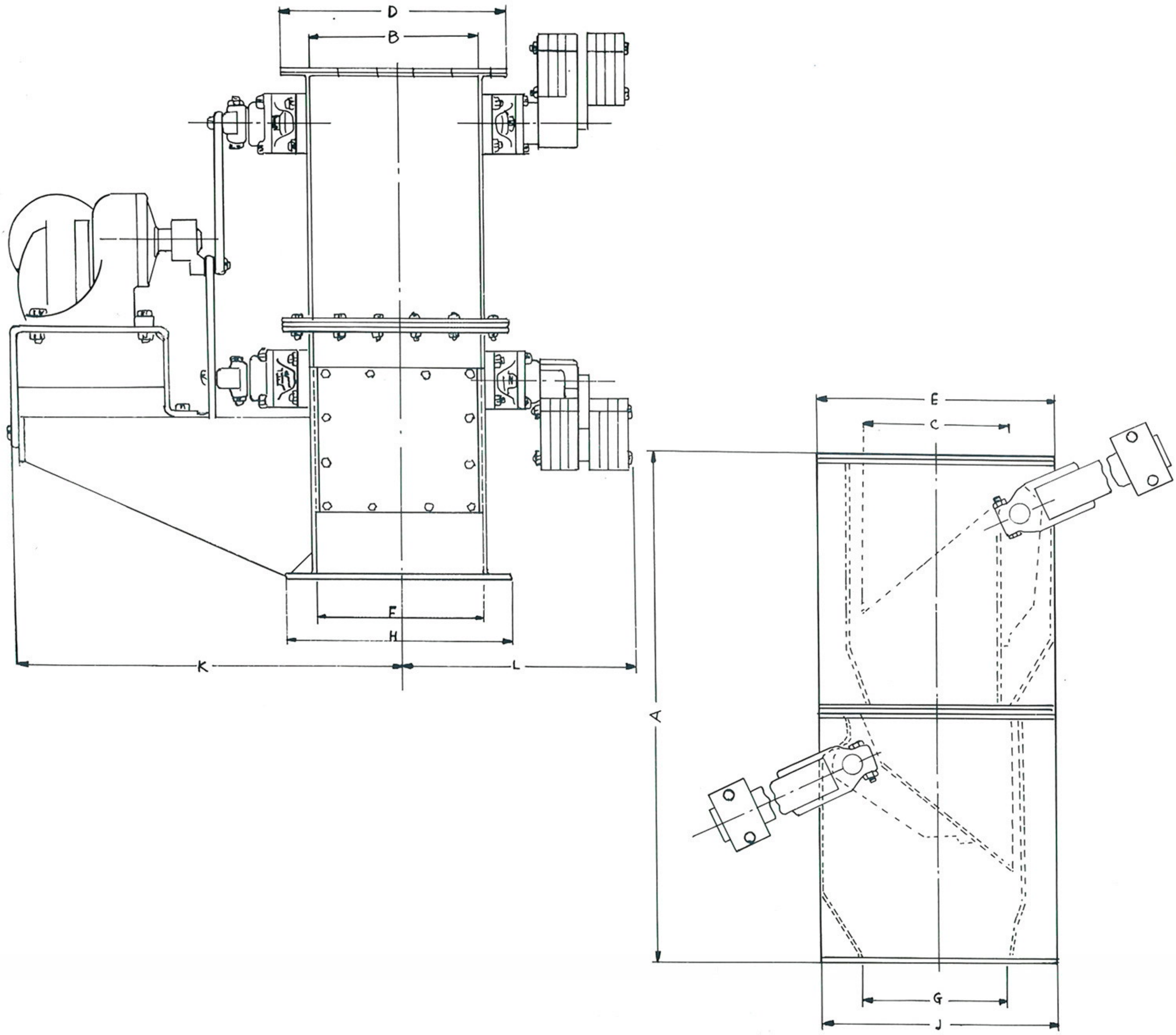
ORDER DATA

Specify quantity, description, size

DESCRIPTION : DOUBLE TIPPING VALVE

Size (Inches)	M^3/HR	Motor HP
9× 9	5	1/2
9×17	9	1/2
9×17	14	1

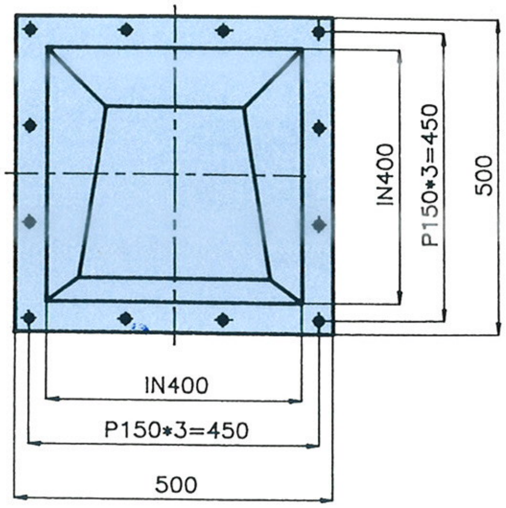
DOUBLE TIPPING VALVE

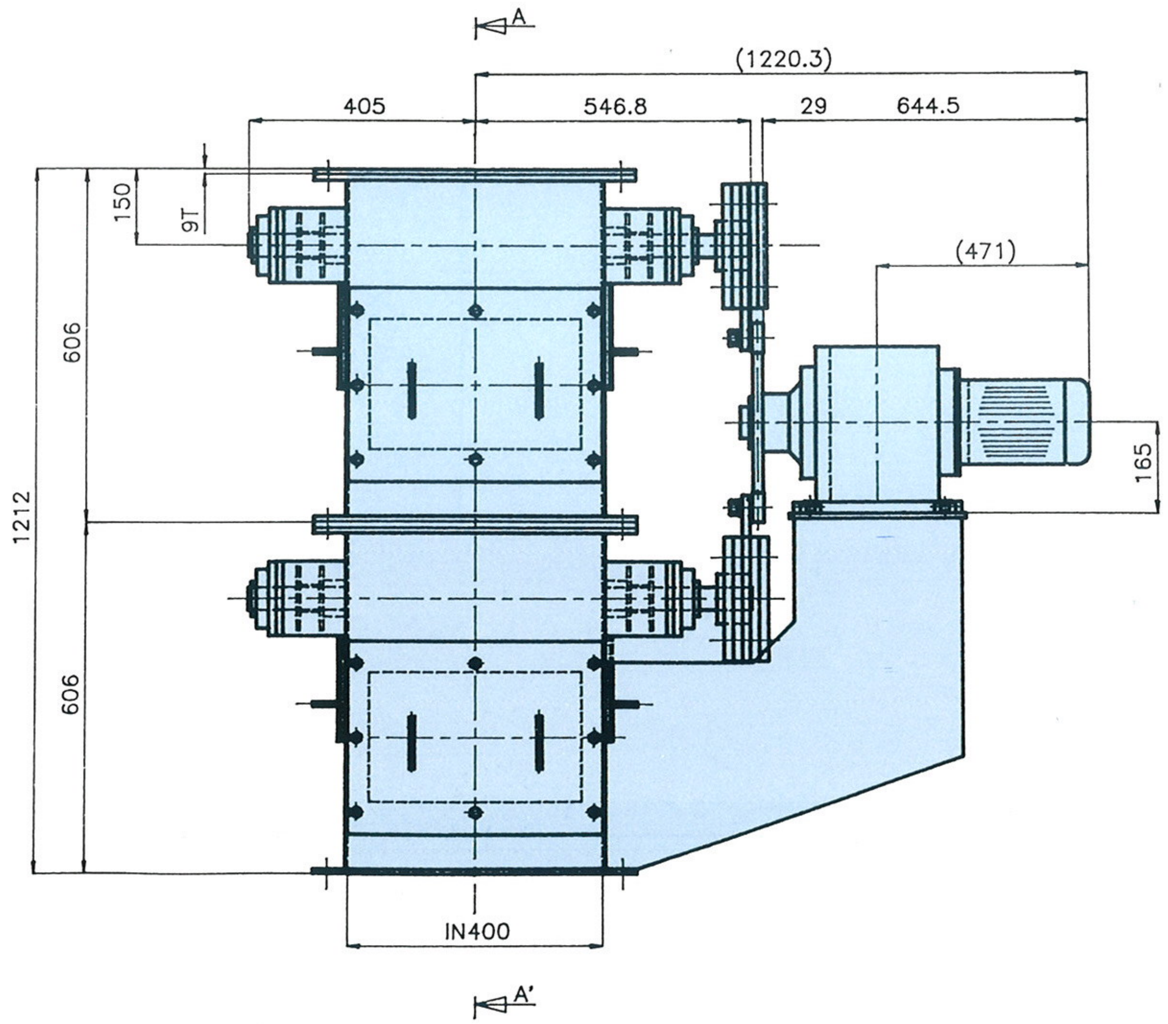


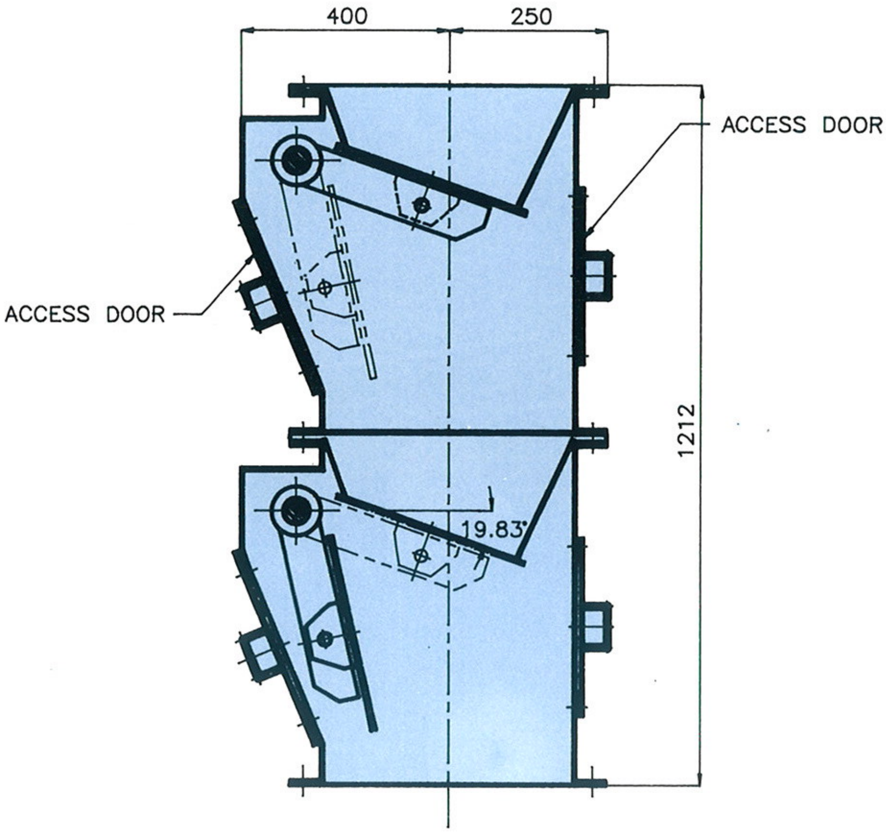
(MM)

SIZE	CAPACITY M^3/HR	WT. (Kg)	GEAR MTR HP.	HEIGHT	TOP FLANGE				BOTTOM FLANGE				DIMENSION	
					INSIDE		OUTSIDE		INSIDE		OUTSIDE			
				A	B	C	D	E	F	G	H	J	K	L
9×9	8.5	275	1/2	1170	280	255	410	420	305	255	410	420	765	420
9×17	24	320	1	1170	480	255	615	420	305	255	615	420	765	585

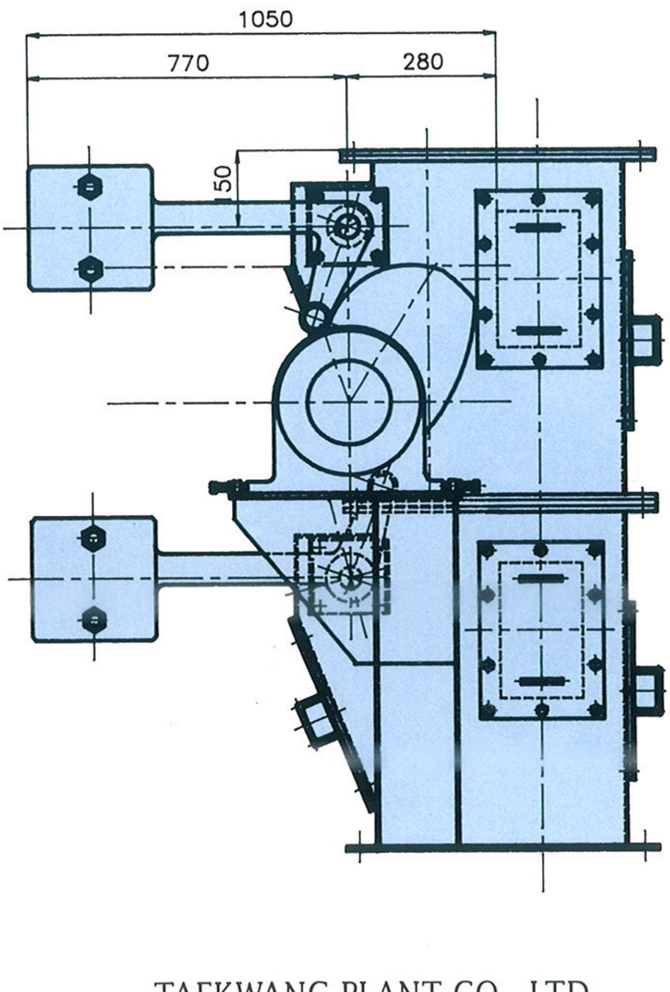
DOUBLE TIPPING VALVE



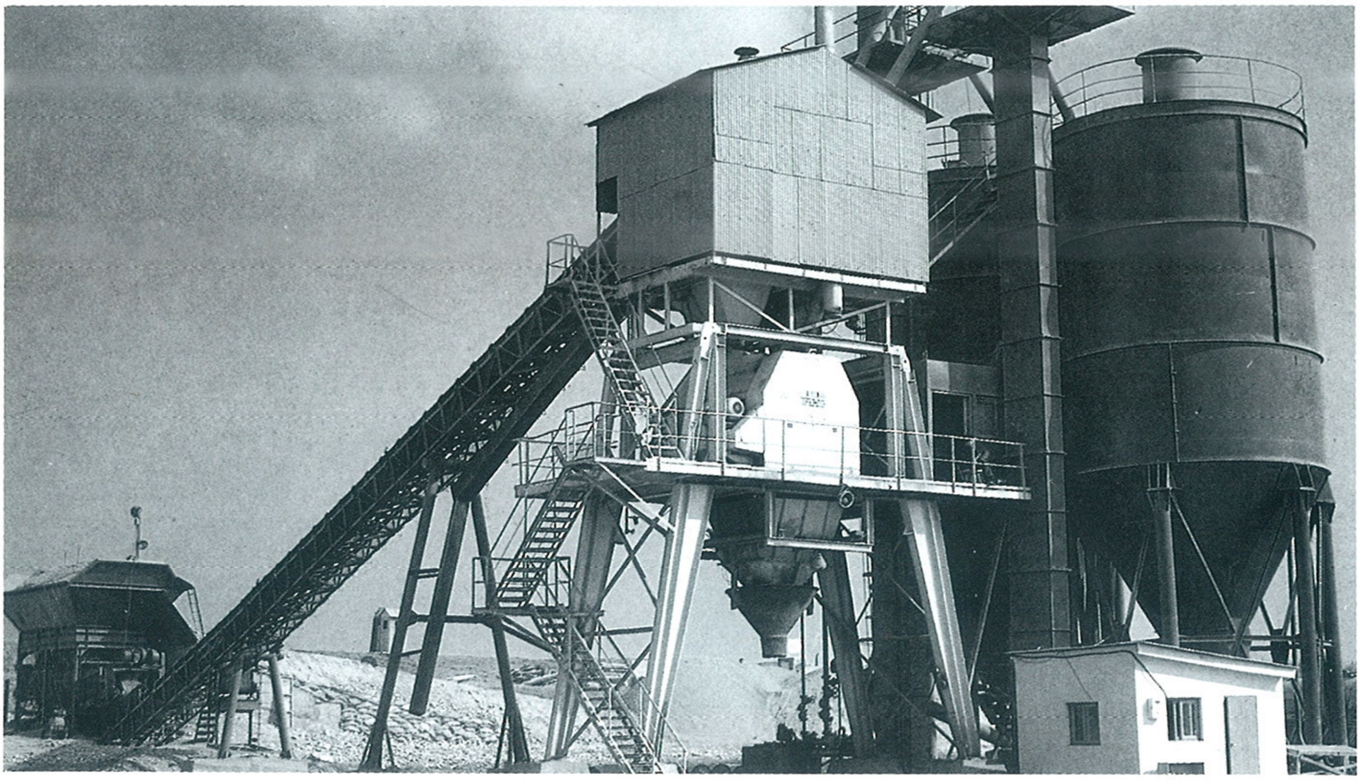




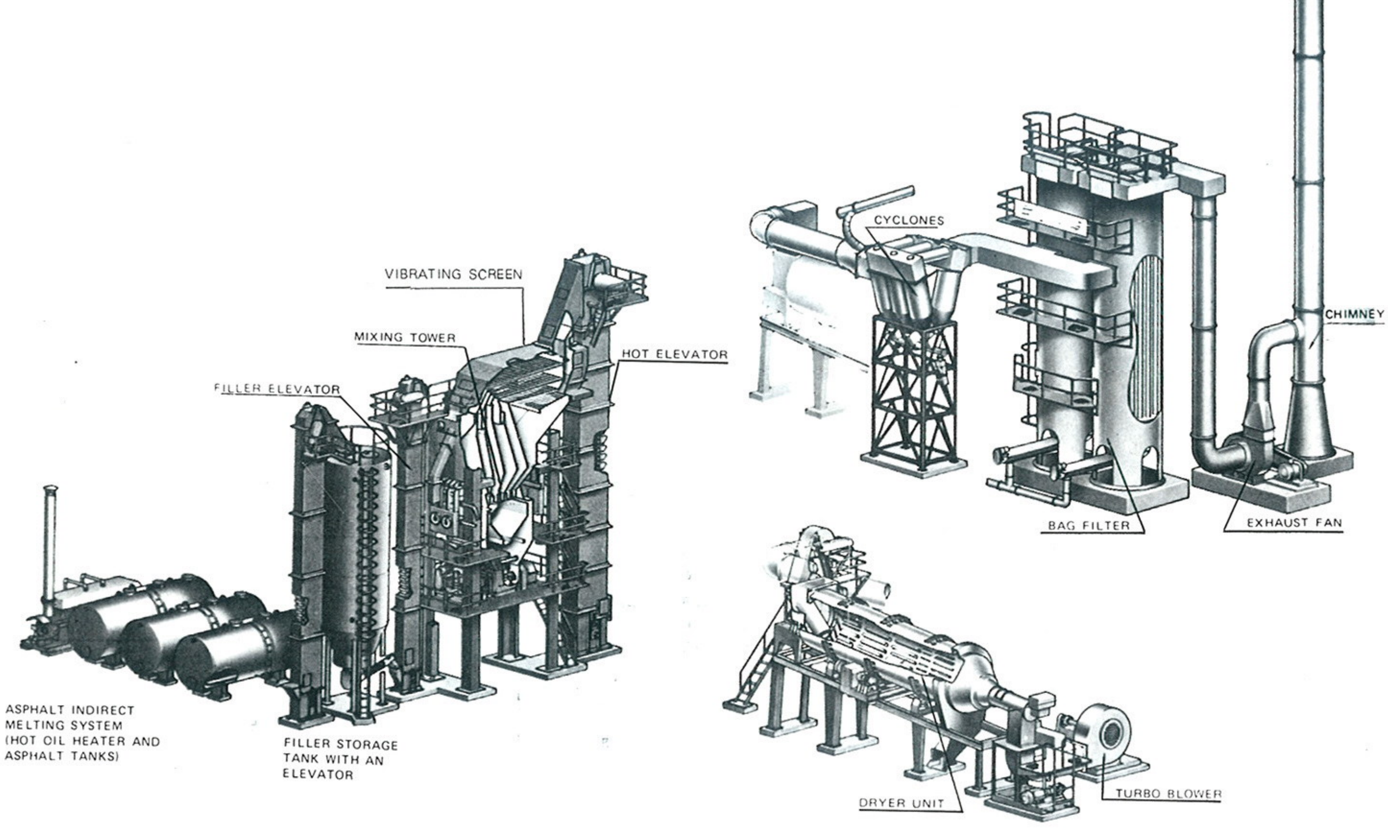
SECTION A–A'



BATCHER PLANT

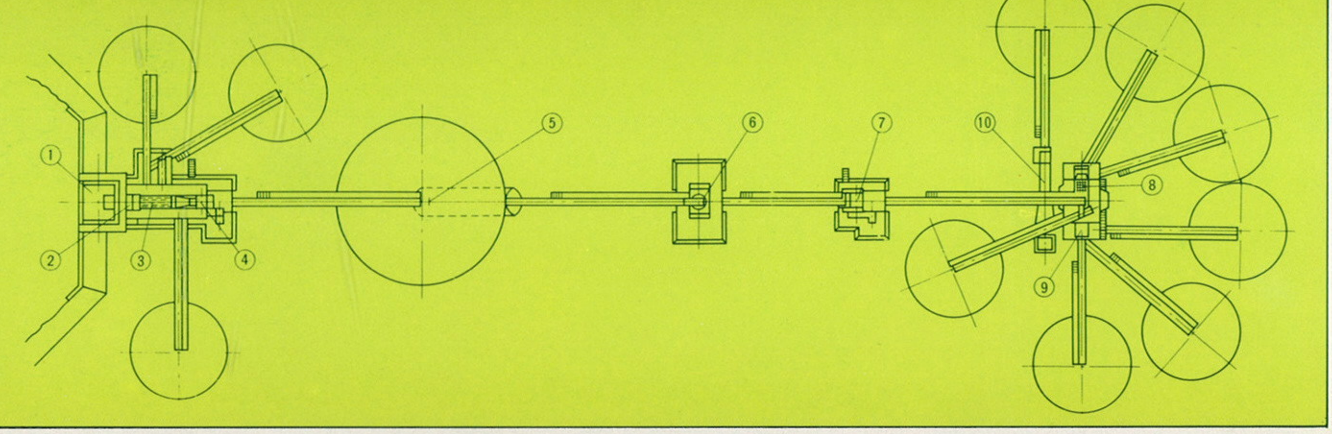


ASPHALT PLANT

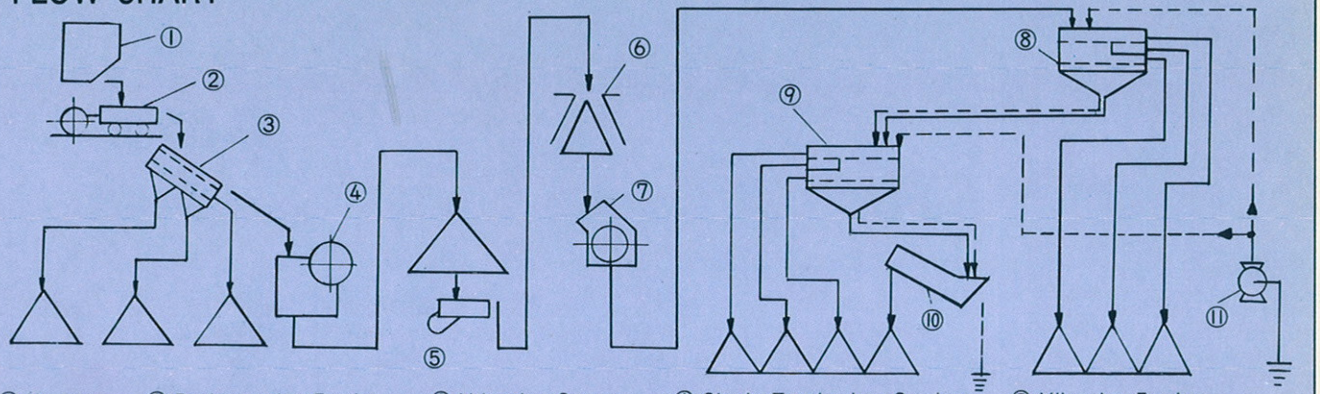


CRUSHING PLANT

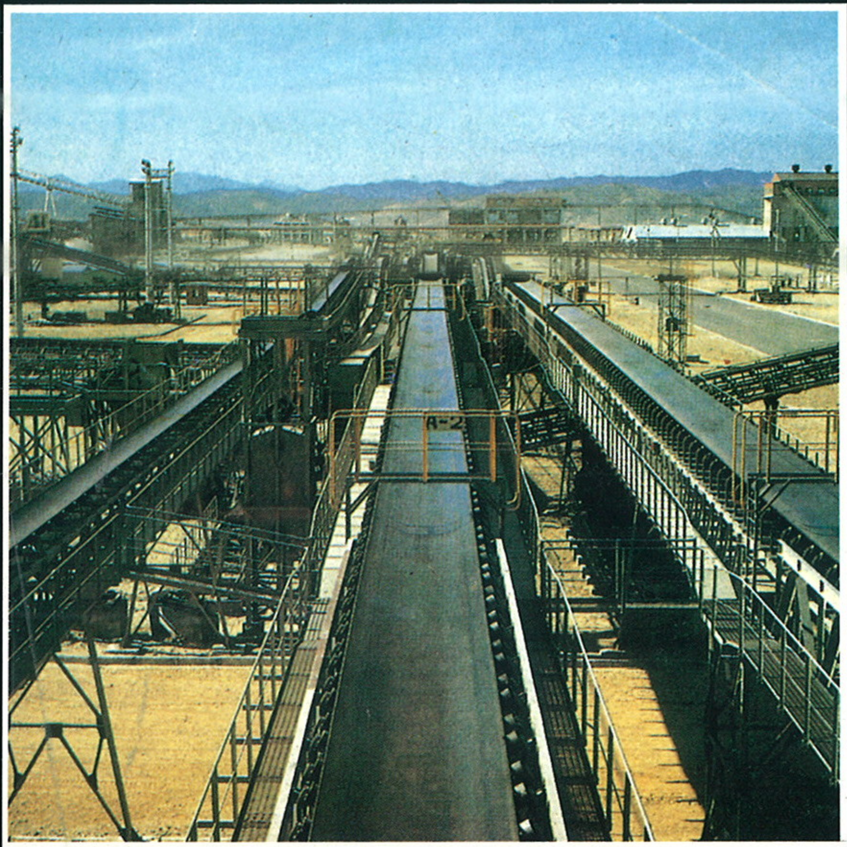
■ ARRANGEMENT



■ FLOW CHART



① Hopper ② Reciprocating Feeder ③ Vibrating Screen ④ Single Toggle Jaw Crusher ⑤ Vibrating Feeder
⑥ Hydraulic Cone Crusher ⑦ Impeller Breaker ⑧ Vibrating Screen ⑨ Vibrating Screen ⑩ Spiral Classifier ⑪ Pump



(株) 泰光프랜트
TAEKWANG PLANT CO., LTD.

본 사 : 경기도 안산시 상록구 부곡동 84-1

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E-mail : tkp65@unitel.co.kr