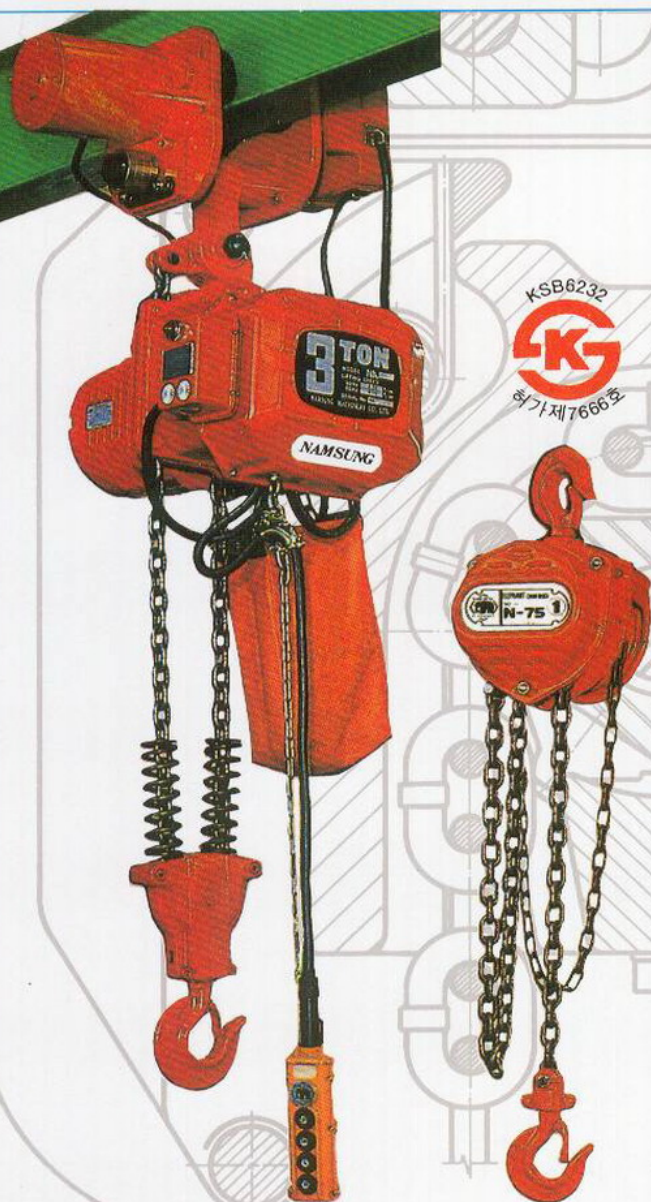




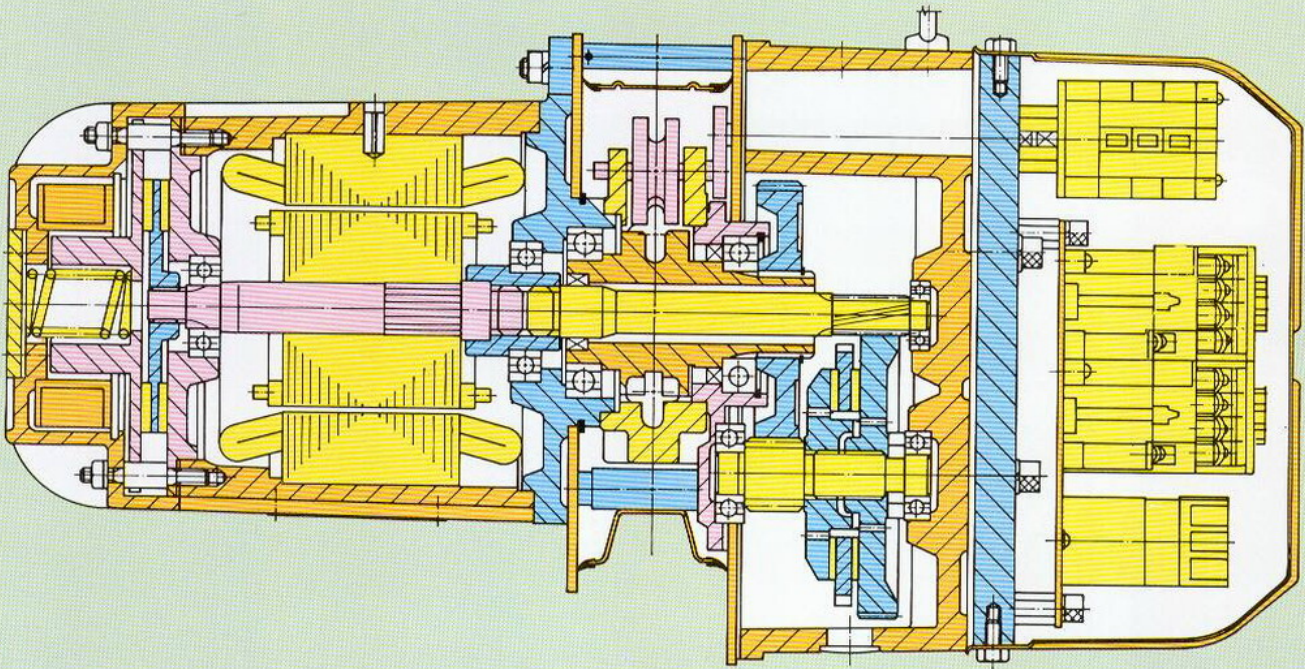
ELECTRIC CHAIN HOIST

運搬・荷役機械製作供給の旗手！



You should demand the best for your money!
The NA.NB electric Chain hoists from NAM SUNG have been brought to a logical conclusion :

CHARACTER OF NAM SUNG CHAIN HOIST



1 OVER LOAD LIMITER

(과부하 방지장치)—산업 안전 관리공단 검정품(합격번호: 89-112-J1) 작업중 과부하 작업에 의한 기계 수명단축과 이로 인한 안전 사고를 방지하며 정격하중 이상의 LOAD가 걸릴때는 자동적으로 전원을 차단시키며 부저를 울려서 사고를 미연에 방지할 수 있습니다.

2 과전 방지 장치

상한, 하한의 과전 방지 장치이며 2단 ROTARY S/W에 의하여 1단은 조작회로를 차단하고 2단은 주회로를 차단하므로 MAGNET S/W의 용착 상태에서도 안전하게 정지합니다.

3 MECHANICAL BRAKE

MOTOR BRAKE(전기적 BRAKE)의 고장시에도 하중에 의한 추락을 방지하기 위하여 특수 설계한 2중 BRAKE SYSTEM으로 최고의 안전성을 보증합니다.

4 LOAD CHAIN (SNCM 220)

ISO 규격의 특수 재질 CHAIN이며 전동 CHAIN HOIST의 특성에 적합하도록 설계, 제작하여 과단력, 내마모성, 충격 흡수력을 보완, 특수 표면 경화를 하였습니다.

5 LOAD SHEAVE 및 CHAIN GUIDE

CHAIN GUIDE가 설치된 독특한 설계로 안전성을 향상 시켰으며 열처리한 LOAD SHEAVE를 사용하므로, CHAIN과의 물림이 원활하며 LOAD CHAIN의 수명을 연장합니다.

6 HIGH TORQUE MOTOR

연속 작업과 순간적인 기동성을 높이기 위하여 HIGH TORQUE로 설계 되었으며 절연성이 우수하고 정격 30분의 강력한 힘과 알루미늄 합금(AC2B) CASE로 제작된 HIGH CLASS의 MOTOR 입니다.

7 전기식 BRAKE (DC MAGNETIC BRAKE)

AC BRAKE의 약점을 보완, 정확한 제동력을 갖는 DC MAGNETIC BRAKE 입니다.

8 운전조작용 PUSH BUTTON SWITCH

산업안전보건법 검사규정 제38조에 의거 조작전압을 110V로 되었으며, 비상정지장치와 스위치조작을 경쾌하게 할 수 있습니다. 특히 충격에 강하며 가볍고, 내구성, 방수처리에 완벽하게 하였습니다.

9 우수한 전원선 및 PUSH BUTTON CABLE

CABTYPE 및 PUSH BUTTON CORD는 전도율의 우수성 및 강한 인장력과 유연한 성질을 갖고 있는 개발품으로써 외부힘에 의하여 단선되어 작업을 중단하는 일이 없도록 편조 CABLE을 사용하였습니다.

10 45°의 측면 견인 작업

HOIST와 TROLLEY는 HINGE TYPE으로 제작되어 작업물을 45°의 측면에서 견인 할 수 있어 작업 공간이 넓습니다.

CLASSIFICATION SYMBOL AND APPEARANCE

NSK

한국산업안전공단검사합격

- 산업안전보건법 제34조 및 동법 시행규칙 제58조
- 크레인 제작기준, 안전기준 및 검사기준
노동부 고시 제90-79호
(고시일자 : 1991년 1월 3일)

합격 번호	용량	형식 번호	Model명
91-C21-0001	3Ton	NAM-3-50-6.8	Hoist Crane
91-C21-0002	5Ton	NAM-5-50-5.3	Hoist Crane
91-C21-0003	7.5Ton	NAM-7.5-25-6.9	Hoist Crane
91-C21-0004	10Ton	NAM-10-50-5.9	Hoist Crane
91-C21-0005	15Ton	NAM-15-55-9.9	Hoist Crane
91-C21-0006	20Ton	NAM-20-12-8.6	Hoist Crane
93-112-JI	0.5~20Ton	양중기(과부하 방지장치)	NLL-1003S
93-113-JI	0.5~20Ton	양중기(과부하 방지장치)	NLL-1003D

NA
NB E. CHAIN HOIST
2-Push Button(상·하)



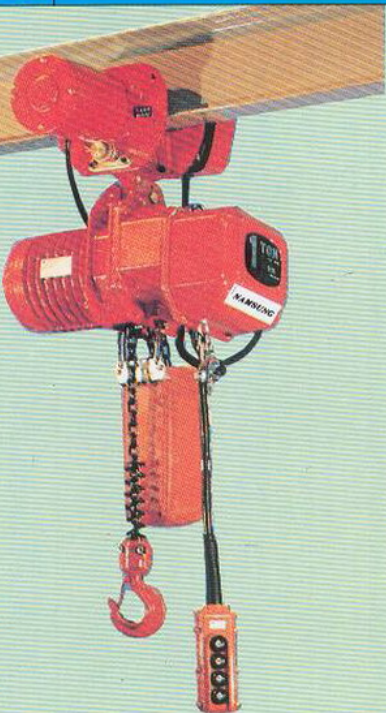
NAP
NBP E. CHAIN HOIST WITH PLAIN TROLLEY
2-Push Button(상·하)



NAG
NBG E. CHAIN HOIST WITH GEARED TROLLEY
2-Push Button(상·하)



NAM
NBM E. CHAIN HOIST WITH ELECTRIC TROLLEY
4-Push Button(상·하·좌·우)



NAMC
NBMC E. CHAIN HOIST WITH ELECTRIC TROLLEY
6-Push Button(상·하·좌·우·전·후)



NLL
1003S LOAD LIMITER
과부하방지장치



(산업안전보건법 시행령
제33조 3항에 의거 검정필)

검정사항

1. 안전장치명 : 과부하방지장치
2. 위험기계기구명 : 양 중 기
3. 모델명 : NLL-1003S
NLL-1003D
4. 합격번호 : 93-112-JI
93-113-JI

CHAIN HOIST NA, NB TYPE(상. 하-2점식)

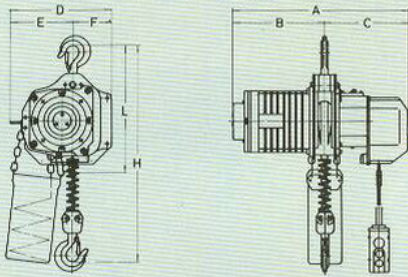
SINGLE SPEED

MODEL	Working Load(ton)	Testing Load(ton)	S.T.D Lift(m)		
				A	B
NA-0.5	0.5	0.63	3	510	255
NA-1W	1	1.25	3	510	255
NA-1.0	1	1.25	3	569	297
NA-1.5	1.5	1.88	3	661	348
NA-2W	2	2.50	3	569	297
NA-2.0	2	2.50	3	661	348
NA-2.5	2.5	3.125	3	661	348
NA-2.8-3	2.8	3.50	3	569	297
NA-3.0	3	3.75	4	661	348
NA-5.0	5	6.25	4	661	348
NA-7.5	7.5	9.38	4	661	348
NA-10	10	12.50	4	696	348
NA-15	15	18.75	4	770	385
NA-20	20	25.00	4	814	407

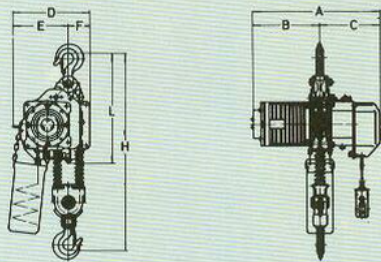
DUAL SPEED

MODEL	Working Load(ton)	Testing Load(ton)	S.T.D Lift(m)		
				A	B
NB-0.5	0.5	0.63	3	623	327
NB-1W	1	1.25	3	623	327
NB-1.0	1	1.25	3	623	327
NB-1.5	1.5	1.88	3	703	358
NB-2W	2	2.50	3	623	327
NB-2.0	2	2.50	3	703	358
NB-2.5	2.5	3.125	3	703	358
NB-2.8-3	2.8	3.50	3	623	327
NB-3.0	3	3.75	4	703	358
NB-5.0	5	6.25	4	703	358
NB-7.5	7.5	9.38	4	703	358
NB-10-10W	10	12.50	4	703	358
NB-10	10	12.50	4	716	358
NB-15	15	18.75	4	790	395
NB-20	20	25.00	4	834	417

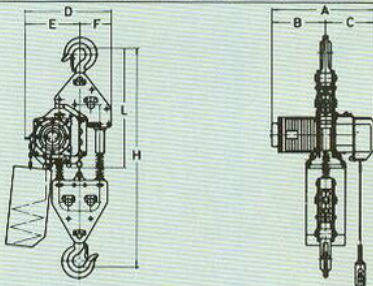
NA(NB)-0.5, 1.0, 1.5, 2.0, 2.5



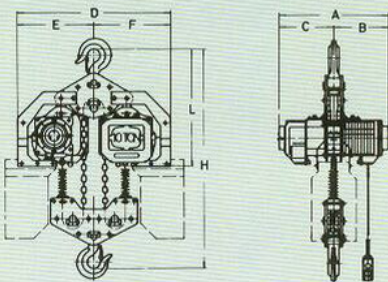
NA(NB)-1W, 2W, 3.0, 5.0, 2.8-3



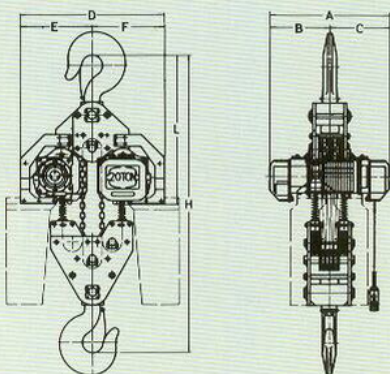
NA(NB)-7.5



NA(NB)-10



NA(NB)-15, 20

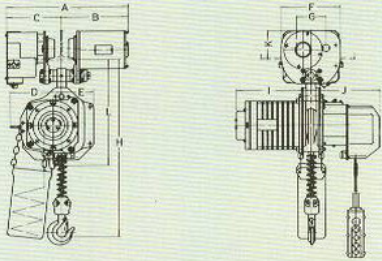


DIMENSION						P/BUTTON (m)	LOAD CHAIN(mm)		SPEED (m/min)	MOTOR (kw)	AMPERE 100% weight (A)/220V	Net Weight (kg)
C	D	E	F	minH	I		diapitch	File				
255	248	140	108	500	300	2.5	φ 6.3×19	1	8.0	0.75	3.8	45
255	248	185	63	720	340	2.5	φ 6.3×19	2	4.0	0.75	3.8	56
272	329	204	125	600	412	2.5	φ 7.1×21	1	8.2	1.5	7.1	71
313	400	227	173	675	469	2.5	φ 9.5×28.6	1	10.3	3.5	14.2	153
272	329	250	79	762	458	2.5	φ 7.1×21	2	4.1	1.5	7.1	85
313	*400	227	173	714	480	2.5	φ 11.2×34	1	8.1	3.5	14.2	153
313	400	227	173	721	483	2.5	φ 11.2×34	1	6.5	3.5	14.2	161
272	415	305	110	791	490	3.5	φ 7.1×21	3	2.7	1.5	7.1	95
313	400	287	113	927	560	3.5	φ 9.5×28.6	2	5.15	3.5	14.2	179
313	410	306	104	1010	588	3.5	φ 11.2×34	2	3.25	3.5	14.2	198
313	563	357	206	1332	758	3.5	φ 11.2×34	3	2.1	3.5	14.2	296
348	980	490	490	1243	736	3.5	φ 11.2×34	4	3.25	3.5×2	28.4	457
385	980	490	490	1714	900	3.5	φ 11.2×34	6	2.1	3.5×2	28.4	520
407	980	490	490	1914	1000	3.5	φ 11.2×34	8	1.6	3.5×2	28.4	580

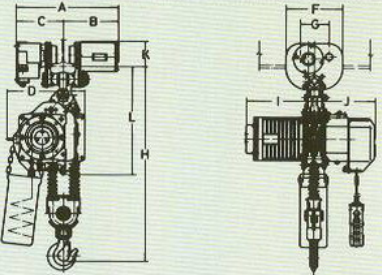
DIMENSION						P/BUTTON (m)	LOAD CHAIN(mm)		SPEED (m/min)	MOTOR (kw)	AMPERE 100% weight (A)/220V	Net Weight (kg)
C	D	E	F	minH	I		diapitch	File				
296	329	204	125	610	412	2.5	φ 7.1×21	1	8.2 /2.7	1.5/0.5	4.7/2.5	72
296	329	250	79	700	458	2.5	φ 7.1×21	2	4.1 /1.3	1.5/0.5	4.7/2.5	100
296	329	204	125	600	412	2.5	φ 7.1×21	1	8.2 /2.7	1.5/0.5	7.6/3.2	76
345	400	227	173	675	469	2.5	φ 9.5×28.6	1	10.3 /3.4	3.5/1.2	14.2/6.2	158
296	329	250	79	762	458	2.5	φ 7.1×21	2	4.1 /1.3	1.5/0.5	7.6/3.2	105
345	400	227	173	714	480	2.5	φ 11.2×34	1	8.1 /2.7	3.5/1.2	14.2/6.2	178
345	400	227	173	721	483	2.5	φ 11.2×34	1	6.5 /2.1	3.5/1.2	14.2/6.2	182
296	415	305	110	791	490	3.5	φ 7.1×21	3	2.7 /0.9	1.5/0.5	7.6/3.2	100
345	400	287	113	927	560	3.5	φ 9.5×28.6	2	5.15/1.7	3.5/1.2	14.2/6.2	200
345	410	306	104	1010	588	3.5	φ 11.2×34	2	3.25/1.0	3.5/1.2	14.2/6.2	209
345	563	357	206	1332	758	3.5	φ 11.2×34	3	2.1 /0.7	3.5/1.2	14.2/6.2	307
345	740	490	250	1243	736	3.5	φ 11.2×34	4	1.65/0.5	3.5/1.2	14.2/6.2	363
358	980	490	490	1243	736	3.5	φ 11.2×34	4	3.25/1.0	3.5/1.0×2	14.2/12.4	479
395	980	490	490	1714	900	3.5	φ 12.2×34	6	2.1 /0.7	3.5/1.0×2	14.2/12.4	530
417	980	490	490	1914	1000	3.5	φ 11.2×34	8	1.6 /0.5	3.5/1.0×2	14.2/12.4	600

CHAIN HOIST NAM. NBM TYPE(상. 하. 좌. 우-4점식)

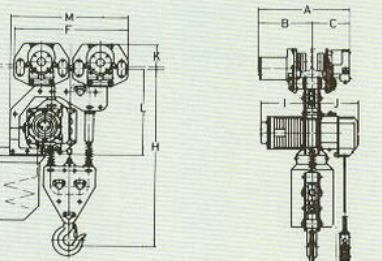
NAM(NBM)-0.5, 1.0, 1.5, 2.0, 2.5



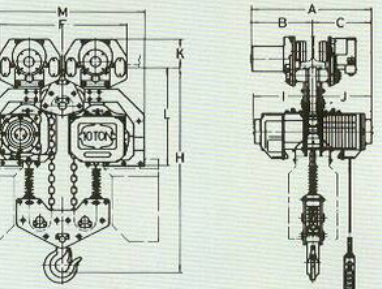
NAM(NBM)-1W, 2W, 3.0, 5.0, 2.8-3



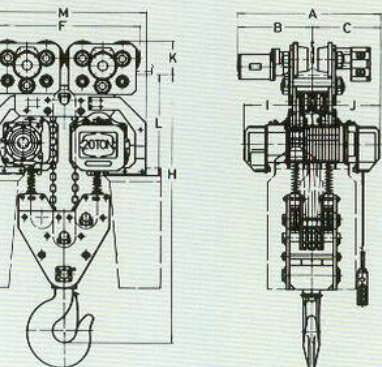
NAM(NBM)-7.5



NAM(NBM)-10



NAM(NBM)-15, 20



SINGLE SPEED

MODEL	Working Load(ton)	Testing Load(ton)	S.T.D Lift(m)	A		B
				A	B	
NAM-0.5(NAMC-0.5)	0.5	0.63	3	462 (521) ±25	244 ±12.5	
NAM-1W(NAMC-1W)	1	1.25	3	482 (541) ±25	264 ±12.5	
NAM-1.0(NAMC-1.0)	1	1.25	3	482 (541) ±25	264 ±12.5	
NAM-1.5(NAMC-1.5)	1.5	1.88	3	517 (576) ±25	281 ±12.5	
NAM-2W(NAMC-2W)	2	2.50	3	517 (576) ±25	281 ±12.5	
NAM-2.0(NAMC-2.0)	2	2.50	3	517 (576) ±25	281 ±12.5	
NAM-2.5(NAMC-2.5)	2.5	3.125	3	525 (584) ±25	285 ±12.5	
NAM-2.8-3 (NAMC-2.8-3)	2.8	3.50	3	525 (584) ±25	285 ±12.5	
NAM-3.0(NAMC-3.0)	3	3.75	4	525 (584) ±25	285 ±12.5	
NAM-5.0(NAMC-5.0)	5	6.25	4	627 (686) ±25	369 ±12.5	
NAM-7.5(NAMC-7.5)	7.5	9.38	4	686 (745) ±25	369 ±12.5	
NAM-10(NAMC-10)	10	12.50	4	717 (776) ±25	369 ±12.5	
NAM-15(NAMC-15)	15	18.75	4	837 (896) ±25	452 ±12.5	
NAM-20(NAMC-20)	20	25.00	4	859 (918) ±25	452 ±12.5	

DUAL SPEED

MODEL	Working Load(ton)	Testing Load(ton)	S.T.D Lift(m)	A		B
				A	B	
NBM-0.5(NBMC-0.5)	0.5	0.63	3	462 (521) ±25	244 ±12.5	
NBM-1W(NBMC-1W)	1	1.25	3	482 (541) ±25	264 ±12.5	
NBM-1.0(NBMC-1.0)	1	1.25	3	482 (541) ±25	264 ±12.5	
NBM-1.5(NBMC-1.5)	1.5	1.88	3	517 (576) ±25	281 ±12.5	
NBM-2W(NBMC-2W)	2	2.50	3	517 (576) ±25	281 ±12.5	
NBM-2.0(NBMC-2.0)	2	2.50	3	517 (576) ±25	281 ±12.5	
NBM-2.5(NBMC-2.5)	2.5	3.125	3	525 (584) ±25	285 ±12.5	
NBM-2.8-3 (NBMC-2.8-3)	2.8	3.50	3	525 (584) ±25	285 ±12.5	
NBM-3.0(NBMC-3.0)	3	3.75	4	525 (584) ±25	285 ±12.5	
NBM-5.0(NBMC-5.0)	5	6.25	4	627 (686) ±25	369 ±12.5	
NBM-7.5(NBMC-7.5)	7.5	9.38	4	686 (745) ±25	369 ±12.5	
NBM-10-10W(NBMC-10-10W)	10	12.50	4	717 (776) ±25	369 ±12.5	
NBM-10(NBMC-10)	10	12.50	4	717 (776) ±25	369 ±12.5	
NBM-15(NBMC-15)	15	18.75	4	837 (896) ±25	452 ±12.5	
NBM-20(NBMC-20)	20	25.00	4	859 (918) ±25	452 ±12.5	

ELECTRIC TROLLEY TYPE

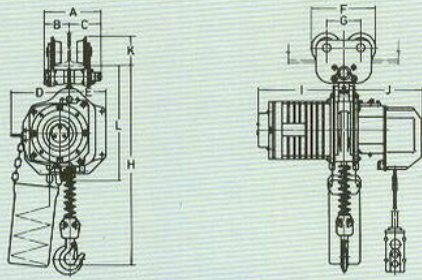


DIMENSION											SPEED(m/min)		MOTOR(kw)		Trolley min. R (mm)	I-Beam width (mm)	Net. Weight (kg)
C	D	E	F	G	minH	I	J	K	L	M	Hoisting	T/s	Hoisting	T/s			
²¹⁸ ₍₂₇₇₎ ±12.5	140	108	220	90	523	255	255	102	323	—	8.0	20	0.75	0.2	1000	75—125	75
²¹⁸ ₍₂₇₇₎ ±12.5	185	63	240	120	708	255	255	117	361	—	4.0	23	0.75	0.4	1100	75—125	92
²¹⁸ ₍₂₇₇₎ ±12.5	204	125	240	120	630	297	272	117	431	—	8.2	23	1.5	0.4	1100	75—125	101
²³⁶ ₍₂₉₅₎ ±12.5	227	173	290	148	700	348	313	125	490	—	10.3	16	3.5	0.4	1500	100—150	192
²³⁶ ₍₂₉₅₎ ±12.5	250	79	290	148	752	297	272	125	452	—	4.1	16	1.5	0.4	1500	100—150	124
²³⁶ ₍₂₉₅₎ ±12.5	227	173	290	148	718	348	313	125	490	—	8.1	16	3.5	0.4	1500	100—150	197
²⁴⁰ ₍₂₉₉₎ ±12.5	227	173	290	148	704	348	313	133	490	—	6.5	16	3.5	0.4	1500	100—150	226
²⁴⁰ ₍₂₉₉₎ ±12.5	305	110	290	148	765	297	272	133	475	—	2.7	16	1.5	0.4	1500	100—150	156
²⁴⁰ ₍₂₉₉₎ ±12.5	287	113	290	148	904	348	313	133	550	—	5.15	16	3.5	0.4	1500	100—150	243
²⁵⁸ ₍₃₁₇₎ ±12.5	306	104	374	136	1010	348	313	170	582	—	3.25	20	3.5	0.75	2000	125—175	282
³¹⁷ ₍₃₇₆₎ ±12.5	—	—	774	—	1167	348	313	170	590	797	2.1	20	3.5	0.75×2	∞	125—175	510
³⁴⁸ ₍₄₀₇₎ ±12.5	—	—	774	—	1070	348	348	170	590	980	3.25	20	3.5×2	0.75×2	∞	125—175	680
³⁸⁵ ₍₄₄₄₎ ±12.5	—	—	910	—	1400	385	385	205	600	980	2.1	14	3.5×2	0.75×2	∞	150—190	850
⁴⁰⁷ ₍₄₆₆₎ +12.5	—	—	910	—	1500	407	407	205	600	980	1.6	14	3.5×2	0.75×2	∞	175—190	950

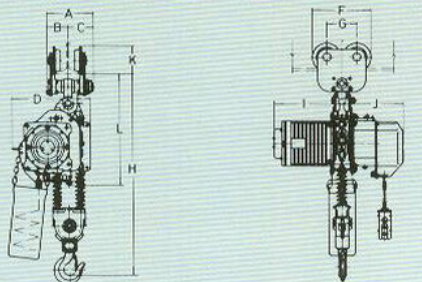
DIMENSION											SPEED(m/min)		MOTOR(kw)		Trolley min. R (mm)	I-Beam width (mm)	Net. Weight (kg)
C	D	E	F	G	minH	I	J	K	L	M	Hoisting	T/s	Hoisting	T/s			
²¹⁸ ₍₂₇₇₎ ±12.5	204	125	220	90	609	327	296	102	401	—	8.2/2.7	20	1.5/0.5	0.2	1000	75—125	144
²¹⁸ ₍₂₇₇₎ ±12.5	250	79	240	120	747	327	296	117	447	—	4.1/1.3	23	1.5/0.5	0.4	1100	75—125	132
²¹⁸ ₍₂₇₇₎ ±12.5	204	125	240	120	630	327	296	117	431	—	8.2/2.7	23	1.5/0.5	0.4	1100	75—125	121
²³⁶ ₍₂₉₅₎ ±12.5	227	173	290	148	718	358	345	125	490	—	10.3/3.4	16	3.5/1.2	0.4	1500	100—150	213
²³⁶ ₍₂₉₅₎ ±12.5	250	79	290	148	752	327	296	125	452	—	4.1/1.3	16	1.5/0.5	0.4	1500	100—150	144
²³⁶ ₍₂₉₅₎ ±12.5	227	173	290	148	718	358	345	125	490	—	8.1/2.7	16	3.5/1.2	0.4	1500	100—150	217
²⁴⁰ ₍₂₉₉₎ ±12.5	227	173	290	148	704	358	345	133	490	—	6.5/2.1	16	3.5/1.2	0.4	1500	100—150	247
²⁴⁰ ₍₂₉₉₎ ±12.5	305	110	290	148	765	327	296	133	475	—	2.7/0.9	16	1.5/0.5	0.4	1500	100—150	175
²⁴⁰ ₍₂₉₉₎ ±12.5	287	113	290	148	904	358	345	133	550	—	5.15/1.7	16	3.5/1.2	0.4	1500	100—150	264
²⁵⁸ ₍₃₁₇₎ ±12.5	306	104	374	136	1010	358	345	170	582	—	3.25/1.0	20	3.5/1.2	0.75	2000	125—175	303
³¹⁷ ₍₃₇₆₎ ±12.5	—	—	774	—	1167	358	345	170	590	797	2.1/0.7	20	3.5/1.2	0.75×2	∞	125—175	531
³⁴⁸ ₍₄₀₇₎ ±12.5	—	—	667	—	1070	358	345	170	590	980	1.65/0.5	20	3.5/1.2	0.75×2	∞	125—175	606
³⁴⁸ ₍₄₀₇₎ ±12.5	—	—	774	—	1070	358	358	170	590	980	3.25/1.0	20	3.5/1.2×2	0.75×2	∞	125—175	722
³⁸⁵ ₍₄₄₄₎ ±12.5	—	—	910	—	1400	395	395	205	600	980	2.1/0.7	14	3.5/1.2×2	0.75×2	∞	150—190	892
⁰⁷ ₍₄₆₆₎ +12.5	—	—	910	—	1500	417	417	205	600	980	1.6/0.5	14	3.5/1.2×2	0.75×2	∞	175—190	992

CHAIN HOIST NAP. NBP TYPE(상. 하—2점식)

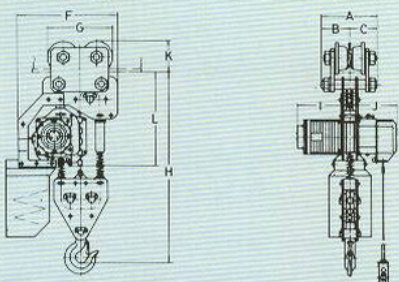
NAP(NBP)-0.5, 1.0, 1.5, 2.0, 2.5



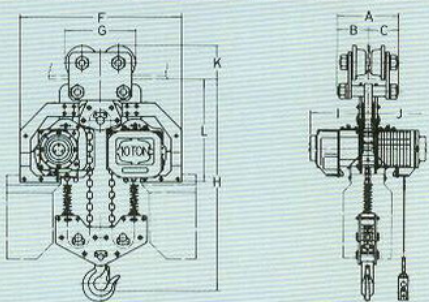
NAP(NBP)-1W, 2W, 3.0, 5.0, 2.8-3



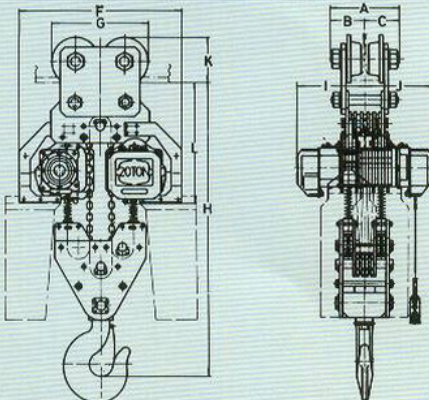
NAP(NBP)-7.5



NAP(NBP)-10



NAP(NBP)-15, 20



SINGLE SPEED

MODEL	Working Load(ton)	Testing Load(ton)	S.T.D Lift(m)		
				A	B
NAP-0.5(NAPC-0.5)	0.5	0.63	3	195±25	85 ±12.5
NAP-1W(NAPC-1W)	1	1.25	3	195±25	85 ±12.5
NAP-1.0(NAPC-1.0)	1	1.25	3	195±25	85 ±12.5
NAP-1.5(NAPC-1.5)	1.5	1.88	3	230±25	102.5±12.5
NAP-2W(NAPC-2W)	2	2.50	3	230±25	102.5±12.5
NAP-2.0(NAPC-2.0)	2	2.50	3	230±25	102.5±12.5
NAP-2.5(NAPC-2.5)	2.5	3.125	3	238±25	106.5±12.5
NAP-2.8-3 (NAPC-2.8-3)	2.8	3.50	3	238±25	106.5±12.5
NAP-3.0(NAPC-3.0)	3	3.75	4	238±25	106.5±12.5
NAP-5.0(NAPC-5.0)	5	6.25	4	270±25	122.5±12.5
NAP-7.5(NAPC-7.5)	7.5	9.38	4	372±25	186 ±12.5
NAP-10(NAPC-10)	10	12.50	4	372±25	186 ±12.5
NAP-15(NAPC-15)	15	18.75	4	400±25	200 ±12.5
NAP-20(NAPC-20)	20	25.00	4	400±25	200 ±12.5

DUAL SPEED

MODEL	Working Load(ton)	Testing Load(ton)	S.T.D Lift(m)		
				A	B
NBP-0.5(NBPC-0.5)	0.5	0.63	3	195±25	85 ±12.5
NBP-1W(NBPC-1W)	1	1.25	3	195±25	85 ±12.5
NBP-1.0(NBPC-1.0)	1	1.25	3	195±25	85 ±12.5
NBP-1.5(NBPC-1.5)	1.5	1.88	3	230±25	102.5±12.5
NBP-2W(NBPC-2W)	2	2.50	3	230±25	102.5±12.5
NBP-2.0(NBPC-2.0)	2	2.50	3	230±25	102.5±12.5
NBP-2.5(NBPC-2.5)	2.5	3.125	3	238±25	106.5±12.5
NBP-2.8-3 (NBPC-2.8-3)	2.8	3.50	3	238±25	106.5±12.5
NBP-3.0(NBPC-3.0)	3	3.75	4	238±25	106.5±12.5
NBP-5.0(NBPC-5.0)	5	6.25	4	270±25	122.5±12.5
NBP-7.5(NBPC-7.5)	7.5	9.38	4	372±25	186 ±12.5
NBP-10(NBPC-10)	10	12.50	4	372±25	186 ±12.5
NBP-15(NBPC-15)	15	18.75	4	400±25	200 ±12.5
NBP-20(NBPC-20)	20	25.00	4	400±25	200 ±12.5

PLAIN TROLLEY TYPE

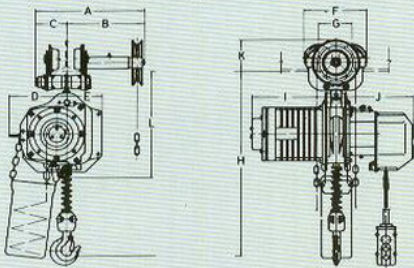


DIMENSION										SPEED (m/min)	MOTOR (kw)	Trolley min. R (mm)	I-Beam width (mm)	Net. Weight (kg)
C	D	E	F	G	minH	I	J	K	L					
110 ±12.5	140	108	175	90	498	255	255	85	298	8.0	0.75	900	75—125	61
110 ±12.5	185	63	221	116	683	255	255	105	336	4.0	0.75	1100	75—125	74
110 ±12.5	204	125	221	116	614	297	272	105	402	8.2	1.5	1100	75—125	81
127.5±12.5	227	173	264	136	702	348	313	122	490	10.3	3.5	1200	100—150	170
127.5±12.5	250	79	264	136	736	297	272	122	436	4.1	1.5	1200	100—150	102
127.5±12.5	227	173	264	136	702	348	313	122	490	8.1	3.5	1200	100—150	174
131.5±12.5	227	173	289	150	702	348	313	136	490	6.5	3.5	1700	100—150	181
131.5±12.5	305	110	289	150	763	297	272	133	475	2.7	1.5	1700	100—150	111
131.5±12.5	287	113	289	150	902	348	313	136	556	5.15	3.5	1700	100—150	198
147.5±12.5	306	104	328	170	1015	348	313	158	587	3.25	3.5	2300	125—175	241
186 ±12.5	—	—	660	434	1184	348	313	214	607	2.1	3.5	3000	125—175	390
186 ±12.5	—	—	980	434	1087	348	348	214	607	3.25	3.5×2	3000	125—175	580
200 ±12.5	—	—	980	580	1505	385	385	285	705	2.1	3.5×2	6000	150—190	830
200 +12.5	—	—	980	580	1605	407	407	285	705	1.6	3.5×2	6000	175—190	930

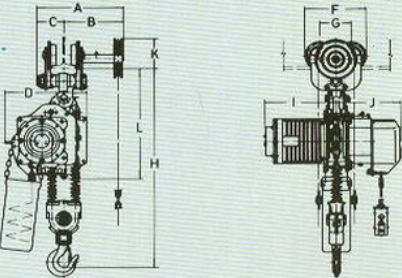
DIMENSION										SPEED (m/min)	MOTOR (kw)	Trolley min. R (mm)	I-Beam width (mm)	Net. Weight (kg)
C	D	E	F	G	minH	I	J	K	L					
110 ±12.5	204	125	175	90	603	327	296	85	391	8.2 / 2.7	1.5/0.5	900	75—125	93
110 ±12.5	250	79	221	116	697	327	296	105	397	4.1 / 1.3	1.5/0.5	1100	75—125	99
110 ±12.5	204	125	221	116	614	327	296	105	402	8.2 / 2.7	1.5/0.5	1100	75—125	100
127.5±12.5	227	173	264	136	702	358	345	122	490	10.3 / 3.4	3.5/1.2	1200	100—150	190
127.5±12.5	250	79	264	136	736	327	296	122	436	4.1 / 1.3	1.5/0.5	1200	100—150	121
127.5±12.5	227	173	264	136	702	358	345	122	490	8.1 / 2.7	3.5/1.2	1200	100—150	195
131.5±12.5	227	173	289	150	702	358	345	136	490	6.5 / 2.1	3.5/1.2	1700	100—150	202
131.5±12.5	305	110	289	150	763	327	296	133	475	2.7 / 0.9	1.5/0.5	1700	100—150	130
131.5±12.5	287	113	289	150	902	358	345	136	556	5.15/ 1.7	3.5/1.2	1700	100—150	219
147.5±12.5	306	104	328	170	1015	358	345	158	587	3.25/ 1.0	3.5/1.2	2300	125—175	262
186 ±12.5	—	—	660	434	1184	358	345	214	607	2.1 / 0.7	3.5/1.2	3000	125—175	432
186 ±12.5	—	—	980	434	1087	358	358	214	607	3.25/ 1.0	3.5/1.2×2	3000	125—175	622
200 ±12.5	—	—	980	580	1505	395	395	285	705	2.1 / 0.7	3.5/1.2×2	6000	150—190	872
200 +12.5	—	—	980	580	1605	417	417	285	705	1.6 / 0.5	3.5/1.2×2	6000	175—190	972

CHAIN HOIST NAG. NBG TYPE(상. 하-2점식)

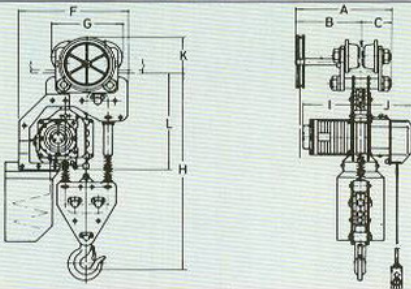
NAG(NBG)-0.5, 1.0, 1.5, 2.0, 2.5



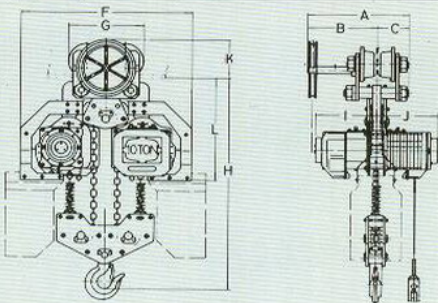
NAG(NBG)-1W, 2W, 3.0, 5.0, 2.8-3



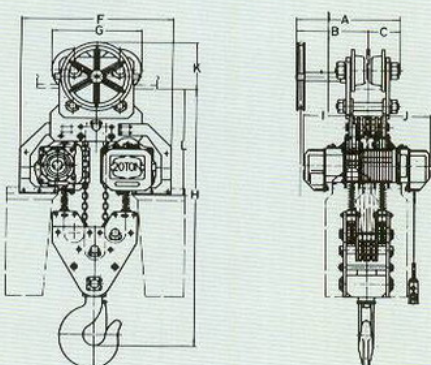
NAG(NBG)-7.5



NAG(NBG)-10



NAG(NBG)-15, 20



SINGLE SPEED

MODEL	Working Load(ton)	Testing Load(ton)	S.T.D Lift(m)		
				A	B
NAG-0.5(NAGC-0.5)	0.5	0.63	3	382 ±25	272±12.5
NAG-1W(NAGC-1W)	1	1.25	3	382 ±25	272±12.5
NAG-1.0(NAGC-1.0)	1	1.25	3	382 ±25	272±12.5
NAG-1.5(NAGC-1.5)	1.5	1.88	3	413.5±25	286±12.5
NAG-2W(NAGC-2W)	2	2.50	3	413.5±25	286±12.5
NAG-2.0(NAGC-2.0)	2	2.50	3	413.5±25	286±12.5
NAG-2.5(NAGC-2.5)	2.5	3.125	3	417.5±25	286±12.5
NAG-2.8-3 (NAGC-2.8-3)	2.8	3.50	3	417.5±25	286±12.5
NAG-3.0(NAGC-3.0)	3	3.75	4	417.5±25	286±12.5
NAG-5.0(NAGC-5.0)	5	6.25	4	449.5±25	302±12.5
NAG-7.5(NAGC-7.5)	7.5	9.38	4	586 ±25	400±12.5
NAG-10(NAGC-10)	10	12.50	4	586 ±25	400±12.5
NAG-15(NAGC-15)	15	18.75	4	609 ±25	409±12.5
NAG-20(NAGC-20)	20	25.00	4	609 +25	409+12.5

DUAL SPEED

MODEL	Working Load(ton)	Testing Load(ton)	S.T.D Lift(m)		
				A	B
NBG-0.5(NBGC-0.5)	0.5	0.63	3	382 ±25	272±12.5
NBG-1W(NBGC-1W)	1	1.25	3	382 ±25	272±12.5
NBG-1.0(NBGC-1.0)	1	1.25	3	382 ±25	272±12.5
NBG-1.5(NBGC-1.5)	1.5	1.88	3	413.5±25	286±12.5
NBG-2W(NBGC-2W)	2	2.50	3	413.5±25	286±12.5
NBG-2.0(NBGC-2.0)	2	2.50	3	413.5±25	286±12.5
NBG-2.5(NBGC-2.5)	2.5	3.125	3	417.5±25	286±12.5
NBG-2.8-3 (NBGC-2.8-3)	2.8	3.50	3	417.5±25	286±12.5
NBG-3.0(NBGC-3.0)	3	3.75	4	417.5±25	286±12.5
NBG-5.0(NBGC-5.0)	5	6.25	4	449.5±25	302±12.5
NBG-7.5(NBGC-7.5)	7.5	9.38	4	586 ±25	400±12.5
NBG-10(NBGC-10)	10	12.50	4	586 ±25	400±12.5
NBG-15(NBGC-15)	15	18.75	4	609 ±25	409±12.5
NBG-20(NBGC-20)	20	25.00	4	609 +25	409+12.5

GEARED TROLLEY TYPE



DIMENSION										SPEED		MOTOR	M.Strength of hand chain(kg)	Trolley min. R (mm)	I-Beam width (mm)	Net. Weight (kg)
C	D	E	F	G	minH	I	J	K	L	Hoisting (m/min)	T/s (mm/1m)	Hoisting (kw)				
110 ±12.5	140	108	175	90	498	255	255	114	298	8.0	115	0.75	2	900	75—125	67
110 ±12.5	185	63	221	116	683	255	255	114	336	4.0	94	0.75	3.5	1100	75—125	82
110 ±12.5	204	125	221	116	614	297	272	114	402	8.2	94	1.5	3.5	1100	75—125	88
127.5±12.5	227	173	264	136	702	348	313	122	490	10.3	81	3.5	4	1200	100—150	178
127.5±12.5	250	79	264	136	736	297	272	122	436	4.1	81	1.5	5.5	1200	100—150	110
127.5±12.5	227	173	264	136	702	348	313	122	490	8.1	81	3.5	5.5	1200	100—150	182
131.5±12.5	227	173	289	150	702	348	313	148	490	6.5	84	3.5	7	1700	100—150	195
131.5±12.5	305	110	289	150	763	297	272	136	475	2.7	84	1.5	8	1700	100—150	126
131.5±12.5	287	113	289	150	902	348	313	136	556	5.15	84	3.5	8	1700	100—150	213
147.5±12.5	306	104	328	170	1015	348	313	162	587	3.25	72	3.5	11.5	2300	125—175	250
186 ±12.5	—	—	660	434	1184	348	313	228	607	2.1	61	3.5	15	3000	125—175	404
186 ±12.5	—	—	980	434	1087	348	348	228	607	3.25	61	3.5×2	19	3000	125—175	594
200 ±12.5	—	—	980	580	1505	385	385	310	705	2.1	42	3.5×2	19	6000	150—190	855
200 +12.5	—	—	980	580	1605	407	407	310	705	1.6	42	3.5×2	25	6000	175—190	955

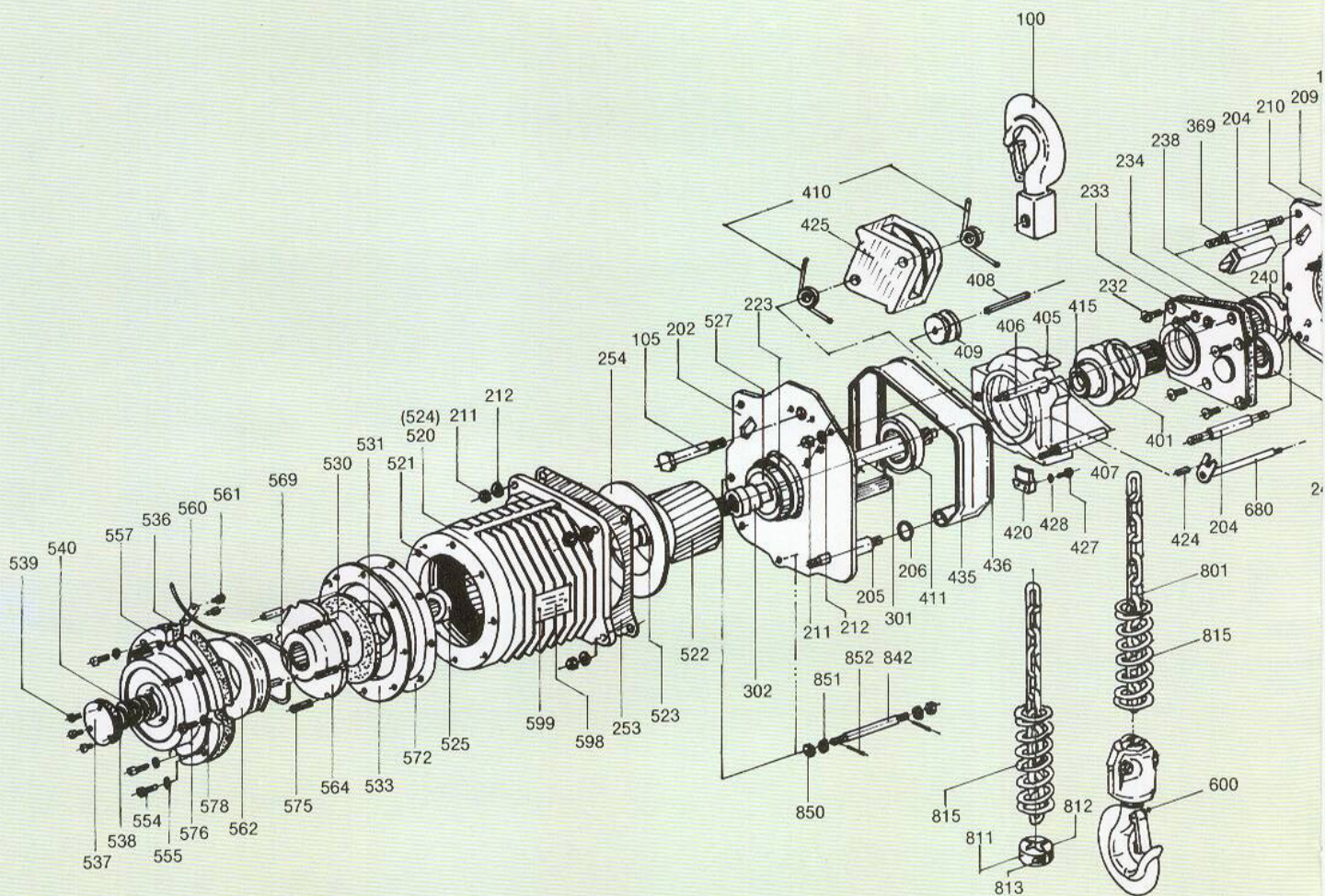
DIMENSION										SPEED		MOTOR	M.Strength of hand chain(kg)	Trolley min. R (mm)	I-Beam width (mm)	Net. Weight (kg)
C	D	E	F	G	minH	I	J	K	L	Hoisting (m/min)	T/s (mm/1m)	Hoisting (kw)				
110 ±12.5	204	125	175	90	603	327	296	114	391	8.2/2.7	115	1.5/0.5	2	900	75—125	103
110 ±12.5	250	79	221	116	697	327	296	114	397	4.1/1.3	94	1.5/0.5	3.5	1100	75—125	106
110 ±12.5	204	125	221	116	614	327	296	114	402	8.2/2.7	94	1.5/0.5	3.5	1100	75—125	108
127.5±12.5	227	173	264	136	702	358	345	122	490	10.3/3.4	81	3.5/1.2	4	1200	100—150	198
127.5±12.5	250	79	264	136	736	327	296	122	436	4.1/1.3	81	1.5/0.5	5.5	1200	100—150	129
127.5±12.5	227	173	264	136	702	358	345	122	490	8.1/2.7	81	3.5/1.2	5.5	1200	100—150	203
131.5±12.5	227	173	289	150	702	358	345	148	490	6.5 /2.1	84	3.5/1.2	7	1700	100—150	216
131.5±12.5	305	110	289	150	763	327	296	136	475	2.7/0.9	84	1.5/0.5	8	1700	100—150	145
131.5±12.5	287	113	289	150	902	358	345	136	556	5.15/1.7	84	3.5/1.2	8	1700	100—150	233
147.5±12.5	306	104	328	170	1015	358	345	162	587	3.25/1.0	72	3.5/1.2	11.5	2300	125—175	271
186 ±12.5	—	—	660	434	1184	358	345	228	607	2.1/0.7	61	3.5/1.2	15	3000	125—175	415
186 ±12.5	—	—	980	434	1087	358	358	228	607	3.25/1.0	61	3.5/1.2×2	19	3000	125—175	615
200 ±12.5	—	—	980	580	1505	395	395	310	705	2.1/0.7	42	3.5/1.2×2	19	6000	150—190	897
200 +12.5	—	—	980	580	1605	417	417	417	310	1.6/0.5	42	3.5/1.2×2	25	6000	175—190	997

ELECTRIC CHAIN HOIST EXPLODED VIEW

NA type C/HOIST

NB type C/HOIST

When ordering spare parts, be sure to say Model Code, Serial No., Part No. (or Ass'y No.), Part Name, and Quantity. Assembly Parts are sold only in complete assembly set.



100	Top hook ass'y
105	Top hook pin
107	Hex. nut
108	Spring washer
109	Split pin

201	Gear side plate
202	Motor side plate
203	Stay bolt (A)
204	Stay bolt (B)
205	Stay bolt (C)
206	O ring
209	Doubling plate
210	Rivet
211	Hex. nut
212	Spring washer
223	Bearing housing
232	Sunk bolt w/hex. hole
233	Flange-B

234	Packing, Flange-B
236	Gear case
238	Ball bearing
239	Oil seal
240	Snap ring
241	Ball bearing
242	Eye bolt
243	Hex. nut
244	Spring washer
245	Bolt w/hex. hole
246	Spring Washer
247	Shackle
253	Packing, Motor case
254	Plate for locking

301	1st gear
302	Joint
303	2 nd gear
304	3 rd gear

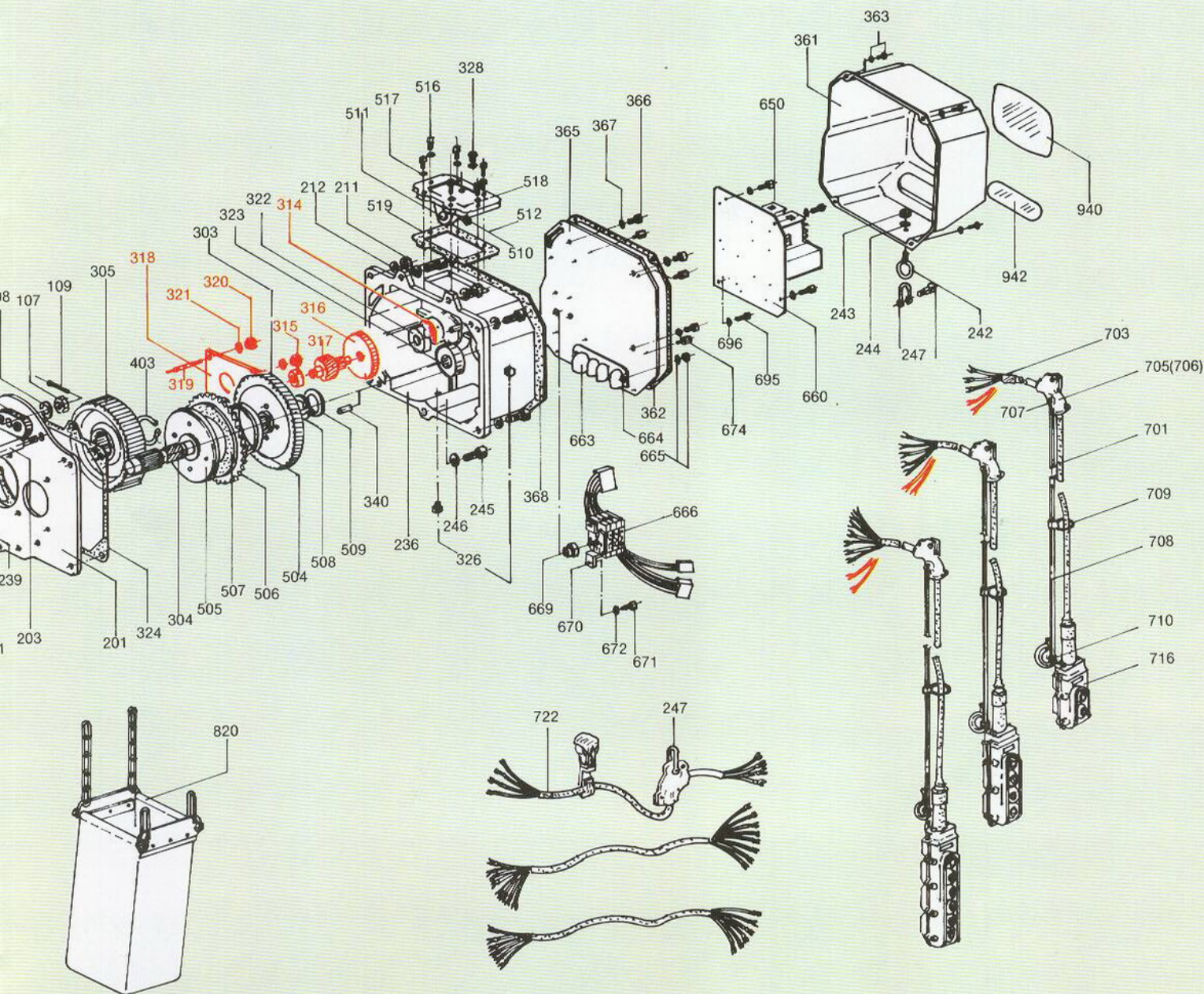
305	Load gear
322	Ball bearing
323	Ball Bearing
324	Packing, gear case
326	Oil plug
328	Air hole bolt
340	Paraller pin
361	E. Component case
362	Packing, E.Component
363	Hex. bolt w/cross hole
365	E. Component board
366	Bolt w/hex. hole
367	Spring washer
368	Adiabatic packing
369	P. Rubber of lead wire

401	Load sheave
403	Snap ring
405	Chain guide

406	Anti-rotation pin
407	Spring holder pin
408	Roller pin
409	Roller
410	Stic spring
411	Ball bearing
420	Stripper
424	Parallel pin
425	Spring holder
427	Bolt w/hex. hole
428	Spring washer
435	Sheave cover
436	Packing, sheave cover

504	Bush
505	Disc hub
506	Ratchet disc
507	Friction disc
508	Split ring

509	Stopper riv
510	Pawl
511	Pawl pin
512	Pawl spring
516	Bolt w/hex.
517	Spring wasl
518	Pawl board
519	Packing, pa
520	Motor case
521	Stator core
522	Rotor core
523	Rotor shaft
524	Spring pin
525	Ball bearing
527	Ball bearing
530	Brake disc
531	Friction di
533	Bearing su
536	Packing, br



	537	Spring cover
	538	Packing, spring cover
	539	Bolt w/hex. hole
	540	Bolt spring
hole	554	Bolt w/hex. hole
er	555	Spring washer
	557	Brake stator
l board	560	Cord pressing metal
	561	Bolt w/hex. hole
	562	Brake coil
	564	Moving core
	569	Snap ring
	572	Packing, bearing support
	575	Spring pin
	576	Bolt w/hex. hole
	578	Spring washer
c	598	Name plate(motor)
ort	599	Hock rivet
ke stator	600	Bottom hook ass'y

	650	E. Equipment ass'y
	660	Switch board
	663	Cord holder
	664	Bolt w/hex. hole, nut
	665	Spring washer
	666	Limit switch
	669	Joint pipe
	670	Limit switch board
	671	Bolt w/hex. hole
	672	Spring washer
	674	Hex. stay pin
	680	Limit switch lever
	695	Bolt w/hex. hole
	696	spring washer
	701	Push button cord
	703	Bush
	705	Holding metal (A)

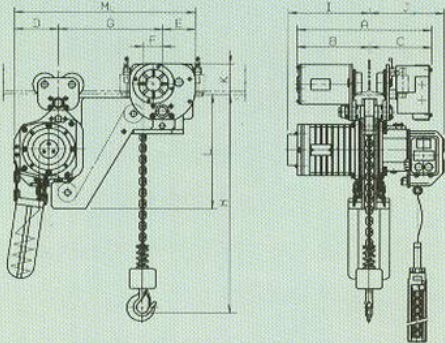
	706	Holding metal (B)
	707	Shackle
	708	Suspension Rope
	709	Cord fixing metal
	710	Rope Fixing metal
	716	Push button switch
	722	Power cord
	801	Load chain
	811	Chain stopper (A)
	812	Chain stopper (B)
	813	Bolt w/hex. hole
	815	Stopper spring
	820	Chain bag ass'y
	842	Chain bag hanger pin
	850	Hex. nut
	851	Plan washer

852	Split pin
940	Name plate
942	Name plate(maker)

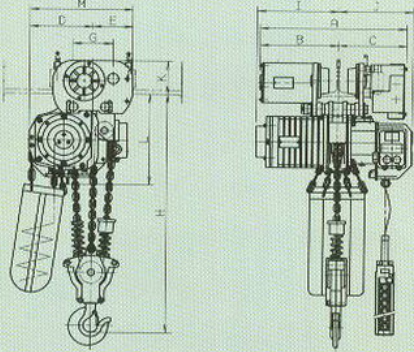
PARTS FOR NB-TYPE	
303	4th gear
304	5th gear
305	6th gear
314	Ball bearing
315	Ball bearing
316	2nd gear
317	3rd gear
318	Center Plate
319	Stay bolt
320	Hex. nut
321	Spring washer

CHAIN HOIST LOW HEAD TYPE(상. 하. 좌. 우—4점식)

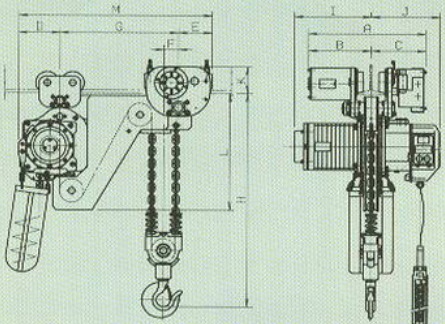
NALM(NBLM)-0.5, 1.0, 1.5, 2.0, 2.5



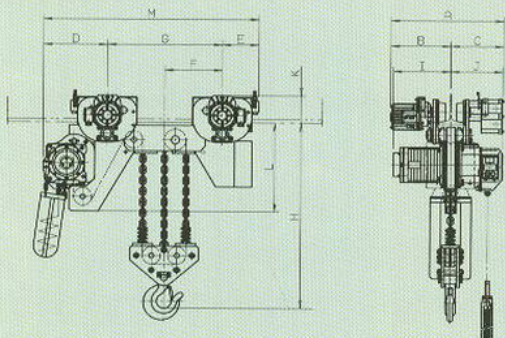
NALM(NBLM)-2.8



NALM(NBLM)-1 W, 2 W, 3.0, 5.0



NALM(NBLM)-7.5



Low head type chain hoist의 특성

특징

- 표준 TYPE CHAIN HOIST에 비교해서 HOOK 최단거리가 매우 짧습니다.
- 표준 TYPE CHAIN HOIST를 이용하여 특수설계, 제작되었습니다.
- 신규 건물 제작시 건축비를 대폭 절감할 수 있습니다.

SINGLE SPEED

MODEL	Working Load (ton)	Testing Load (ton)	S.T.D Lift (m)		
				A	B
NALM-0.5(NALMC-0.5)	0.5	0.63	3	472±25	244±12.5
NALM-1W(NALMC-1W)	1.0	1.25	3	494±25	266±12.5
NALM-1.0(NALMC-1.0)	1.0	1.25	3	494±25	266±12.5
NALM-1.5(NALMC-1.5)	1.5	1.88	3	528±25	282±12.5
NALM-2W(NALMC-2W)	2.0	2.50	3	528±25	281±12.5
NALM-2.0(NALMC-2.0)	2.0	2.50	3	528±25	281±12.5
NALM-2.5(NALMC-2.5)	2.5	3.13	3	536±25	286±12.5
NALM-2.8(NALMC-2.8)	2.8	3.50	3	536±25	286±12.5
NALM-3.0(NALMC-3.0)	3.0	3.75	4	536±25	286±12.5
NALM-5.0(NALMC-5.0)	5.0	6.25	4	680±25	366±12.5
NALM-7.5(NALMC-7.5)	7.5	9.38	4	680±25	366±12.5

DUAL SPEED

MODEL	Working Load (ton)	Testing Load (ton)	S.T.D Lift (m)		
				A	B
NBLM-0.5(NBLMC-0.5)	0.5	0.63	3	472±25	244±12.5
NBLM-1W(NBLMC-1W)	1.0	1.25	3	494±25	266±12.5
NBLM-1.0(NBLMC-1.0)	1.0	1.25	3	494±25	266±12.5
NBLM-1.5(NBLMC-1.5)	1.5	1.88	3	528±25	282±12.5
NBLM-2W(NBLMC-2W)	2.0	2.50	3	528±25	282±12.5
NBLM-2.0(NBLMC-2.0)	2.0	2.50	3	528±25	282±12.5
NBLM-2.5(NBLMC-2.5)	2.5	3.13	3	536±25	286±12.5
NBLM-2.8(NBLMC-2.8)	2.8	3.50	3	536±25	286±12.5
NBLM-3.0(NBLMC-3.0)	3.0	3.75	4	536±25	286±12.5
NBLM-5.0(NBLMC-5.0)	5.0	6.25	4	680±25	366±12.5
NBLM-7.5(NBLMC-7.5)	7.5	9.38	4	680±25	366±12.5

기 타

- 상, 하, 좌, 우-4점식 TYPE CHAIN HOIST 외에도 횡행(좌, 우) 수동 TYPE (GEARED OR PLAIN TROLLEY)이 있습니다.
- 일반 CRANE에 사용하는 상, 하, 좌, 우, 전, 후-6점식 TYPE CHAIN HOIST등 여러가지 응용품이 있습니다.
- 1단 권상 속도를 갖추고 있는 NA TYPE 및 2단 권상 속도를 갖추고 있는 NB TYPE도 구비하고 있습니다.

DIMENSION											SPEED(m/min)		MOTOR(kw)		Trolley min.R (mm)	I-Beam width (mm)	Net. Weight (kg)
C	D	E	F	G	minH	I	J	K	L	M	H/t	T/s	H/t	T/s			
228±12.5	175	113	70	380	370	255	245	100	433	668	8.0	20	0.75	0.2	∞	75—125	103
228±12.5	175	120	35	380	460	255	245	117	433	675	4.0	23	0.75	0.4	∞	75—125	121
228±12.5	161	120	70	380	400	297	272	117	433	661	8.2	23	1.5	0.4	∞	75—125	140
246±12.5	188	145	120	540	500	348	313	126	552	873	10.3	16	3.5	0.4	∞	100—150	240
246±12.5	161	145	35	380	480	297	272	126	432	688	4.1	16	1.5	0.4	∞	100—150	163
246±12.5	188	145	120	540	500	348	313	126	552	873	8.1	16	3.5	0.4	∞	100—150	245
250±12.5	188	145	120	540	500	348	313	126	552	873	6.5	16	3.5	0.4	∞	100—150	250
250±12.5	231	145	—	—	630	297	272	126	343	376	2.7	16	1.5	0.4	1500	100—150	151
250±12.5	188	155	65	540	630	348	313	126	552	883	5.1	16	3.5	0.4	∞	100—150	270
314±12.5	188	222	60	540	680	348	313	170	545	950	3.2	20	3.5	0.75	∞	125—175	313
314±12.5	390	222	350	700	700	348	313	170	560	1312	2.1	20	3.5	0.75×2	∞	125—175	550

DIMENSION											SPEED(m/min)		MOTOR(kw)		Trolley min.R (mm)	I-Beam width (mm)	Net. Weight (kg)
C	D	E	F	G	minH	I	J	K	L	M	H/t	T/s	H/t	T/s			
228±12.5	161	113	70	380	400	327	296	117	433	661	8.2/2.7	20	1.5/0.5	0.2	∞	75—125	153
228±12.5	161	120	35	380	480	327	296	117	432	688	4.1/1.3	23	1.5/0.5	0.4	∞	75—125	176
228±12.5	161	120	70	380	400	327	296	117	433	661	8.2/2.7	23	1.5/0.5	0.4	∞	75—125	153
246±12.5	188	145	120	540	500	368	345	126	552	873	10.3/3.4	16	3.5/1.2	0.4	∞	100—150	257
246±12.5	161	145	35	380	500	327	296	126	432	688	4.1/1.3	16	1.5/0.5	0.4	∞	100—150	176
246±12.5	188	145	120	540	500	368	345	126	552	873	8.1/2.7	16	3.5/1.2	0.4	∞	100—150	262
250±12.5	188	145	120	540	500	368	345	126	552	873	6.5/2.1	16	3.5/1.2	0.4	∞	100—150	267
250±12.5	231	145	—	—	630	327	296	126	343	376	2.7/0.9	16	1.5/0.5	0.4	1500	100—150	164
250±12.5	188	155	65	540	630	368	345	126	552	883	5.1/1.7	16	3.5/1.2	0.4	∞	100—150	287
314±12.5	188	222	60	540	680	368	345	170	545	950	3.2/1.0	20	3.5/1.2	0.75	∞	125—175	330
314±12.5	390	222	350	700	700	368	345	170	560	1312	2.1/0.7	20	3.2/1.2	0.75	∞	125—175	557

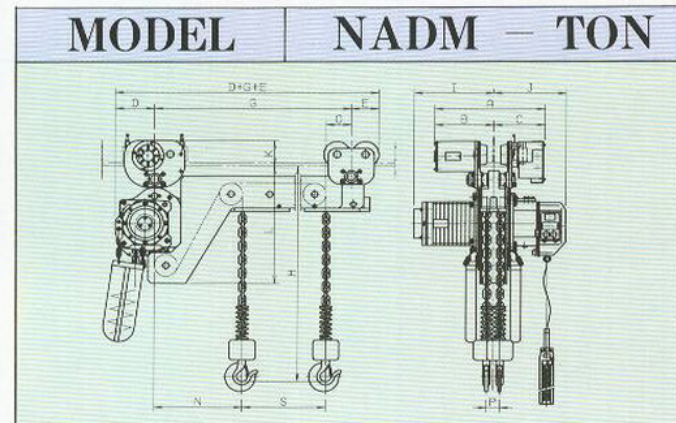
SPECIAL TYPE CHAIN HOIST

TWIN HOOK TYPE

※ BODY 1대에 2개의 HOOK를 가진 TYPE입니다.

특 징

1. 면적이 넓거나 길이가 긴 물건을 수평상태로 유지하며 안전하게 작업 할 수 있도록 되어 있습니다.
2. 사용처의 작업 조건에 따라 권상 및 횡행 속도를 조절 할 수 있습니다.
3. 물체의 형상에 따라 작업 여건에 맞도록 DIMENSION을 변경시킬 수 있습니다.

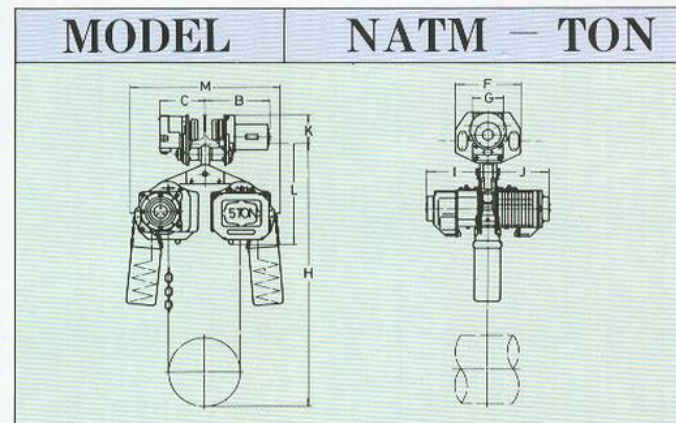


TURNING DEVICE TYPE

※ 2대의 CHAIN HOIST를 사용하여 물건을 회전시키는 TYPE 입니다.

특 징

1. 중량이 무겁고 길이가 긴 물체를 임의 각도로 회전시켜 작업을 할 수 있습니다.
2. 별도의 조작 S/W가 필요 없고 기존 PUSH BUTTON S/W로 조작을 하므로 간단하고 경제적 입니다.
3. 작업 조건에 따라 SPEC. 을 변경시킬 수 있습니다.

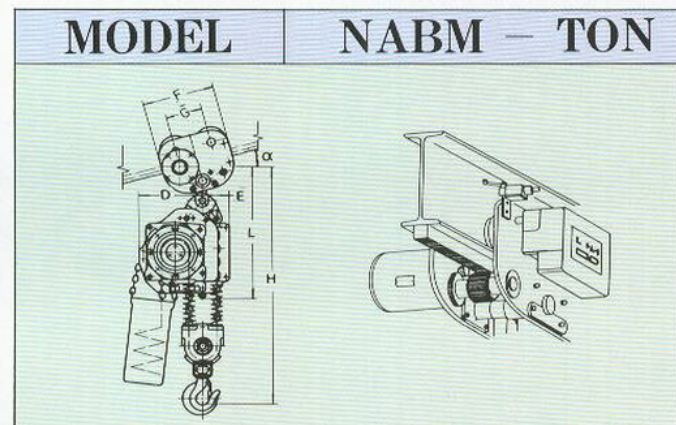


BEVEL RAIL TYPE

※ 경사진 곳을 횡행코저 할 때 사용하는 TYPE 입니다.

특 징

1. 수평 상태에서만이 사용이 가능한 표준 HOIST의 단점을 보완하여 물체를 견인한후 경사진 곳을 횡행할 TYPE 입니다. ($\alpha=15^\circ$ 이내)
2. 랙 기어를 사용하였으므로 정확한 횡행 구동 및 TROLLEY의 미끄러움을 방지하였습니다.
3. 선박 및 흔들림이 많은 기구내에 설치하여 많이 이용하고 있습니다.



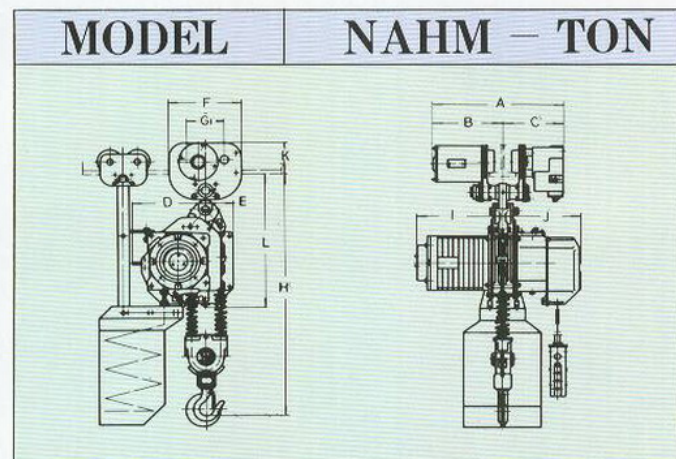
HIGH LIFT TYPE

※ 양정이 높을때 사용하는 TYPE 입니다.

특 징

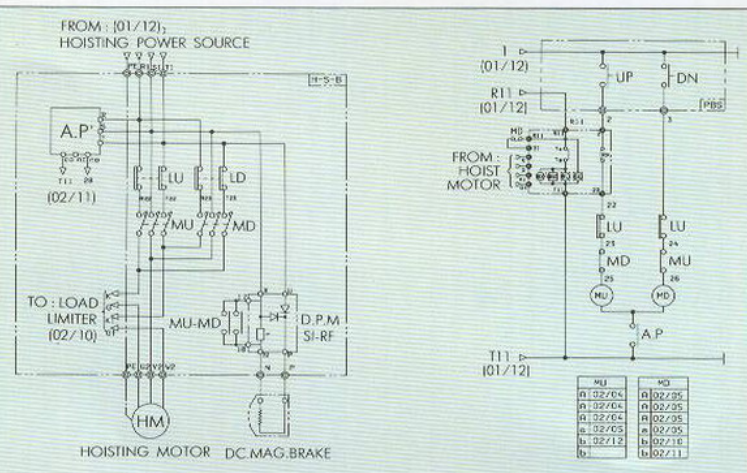
1. 양정이 높을때 발생하는 CHAIN BOX의 파손 및 HOIST BODY의 기울어짐을 방지한 안전성 CHAIN HOIST입니다.

LOAD CHAIN	E. CHAIN HOIST (ton)	LOAD CHAIN길이(m)	
		min	max.
φ 7.1×P21	1.0, 2W, 2.8-3	40	120
φ 9.5×P28.6	1.5, 3.0	35	150
φ 11.2×P34	2.0, 2.5, 5.0, 7.5, 10-10W, 10, 15, 20	30	100

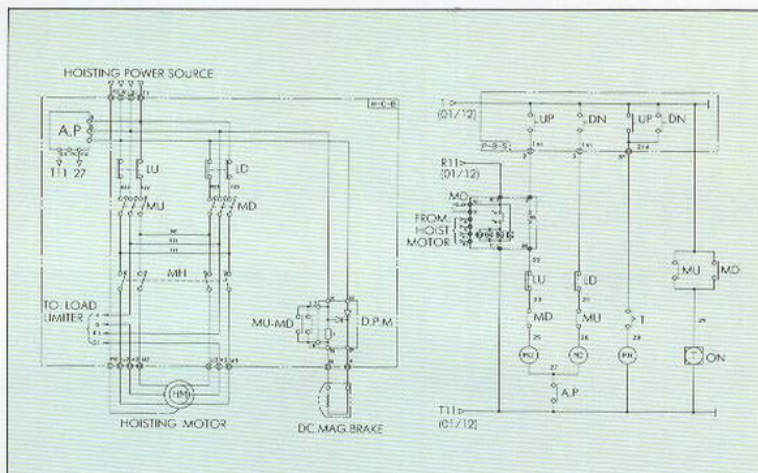


TR	Transformer	M-D	Magn. contactor (pushbutton DN or ↓ ↓)	TM	Traversing motor
AP	Negative phase protector	M-E	Magn. contactor (pushbutton E)	Sol.	DC brake solenoid
DPM	DC power module	M-W	Magn. contactor (pushbutton W)		
L-U	Upper limet switch	M-S	Magn. contactor (pushbutton S)		
L-D	Lower limet switch	M-N	Magn. contactor (pushbutton N)		
M-U	Magn. contactor (pushbutton UP or ↑ ↑)	LM	Lifting motor		

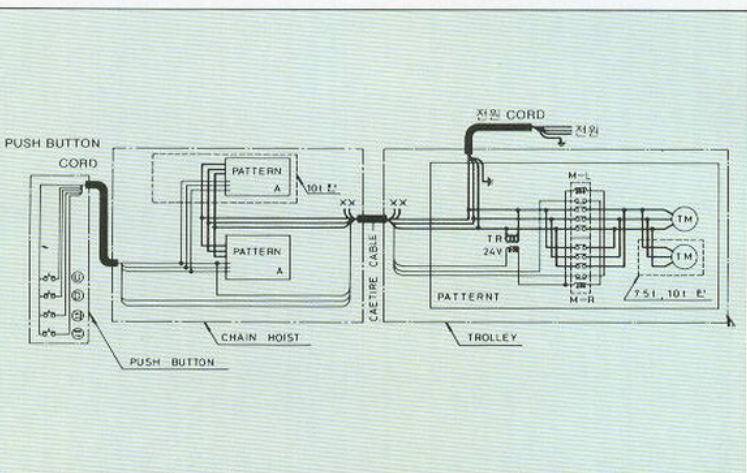
NA 2-PUSH BUTTON(NA)



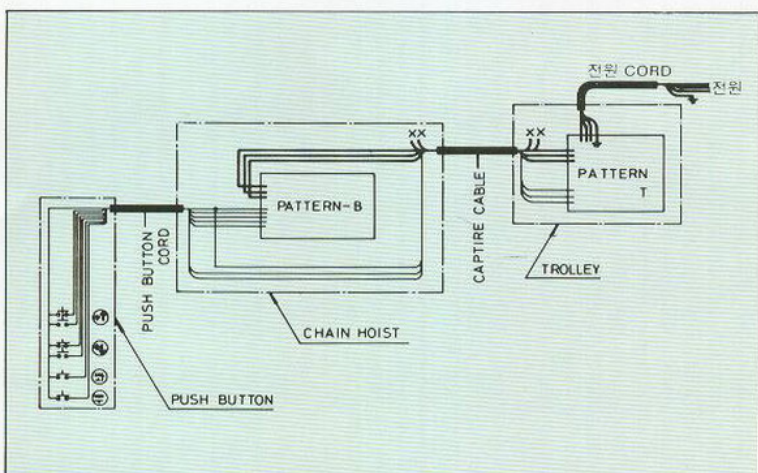
NB 2-PUSH BUTTON(NB)



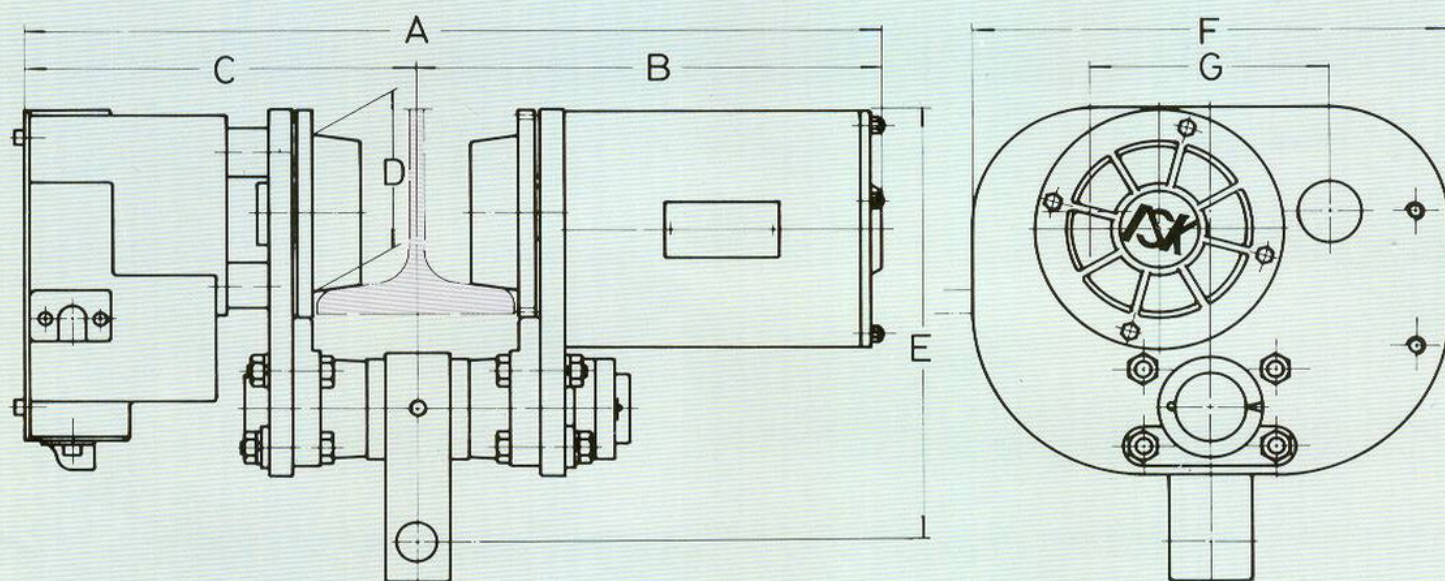
NAM 4-PUSH BUTTON(NAM)



NBM 4-PUSH BUTTON(NBM)



ELECTRIC TROLLEY

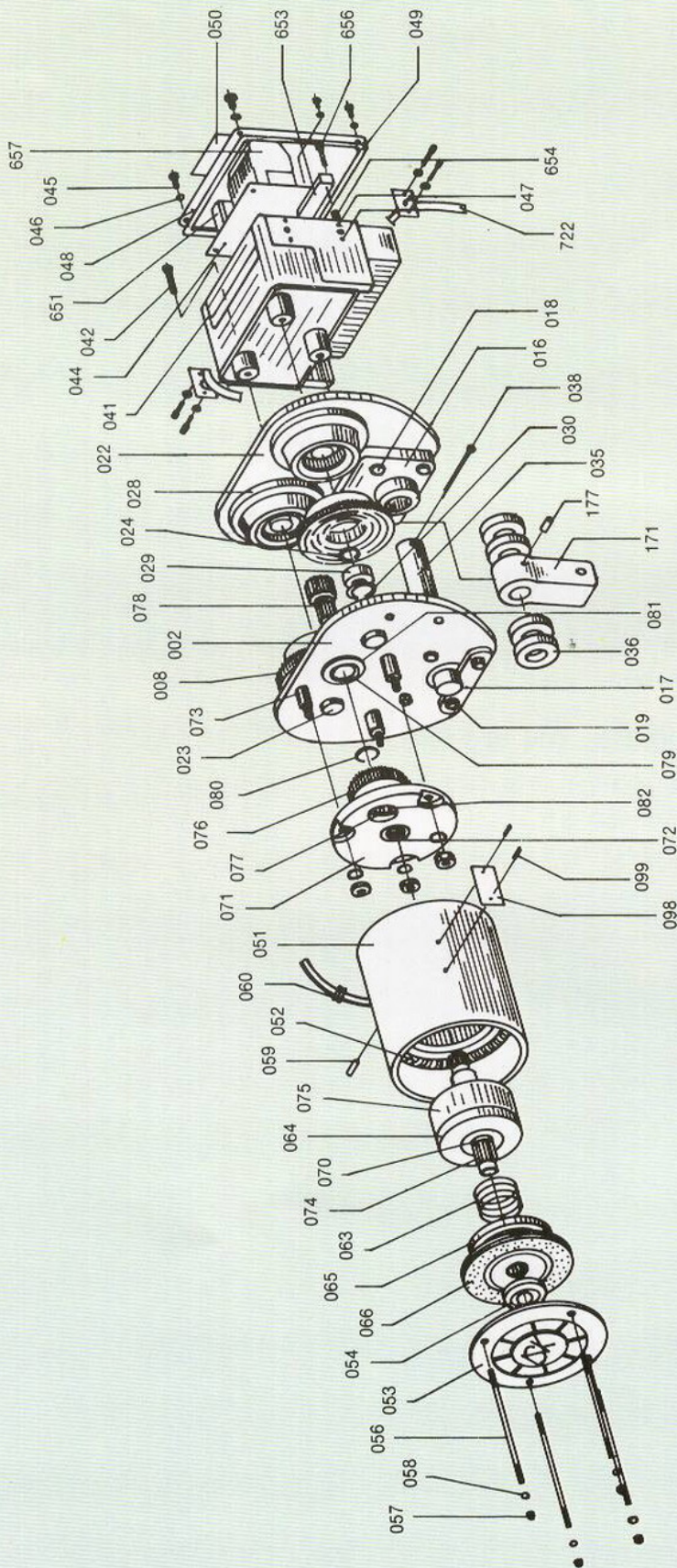


SPECIFICATION

MODEL	Working Load(ton)	SPEED (m/min)	MOTOR (kw)	Trolley min. R (mm)	I-BEAM width (mm)	Net. Weight (kg)
NET-0.5	0.5	20	0.2	1000	75—125	32
NET-1.0	1	23	0.4	1100	75—125	39
NET-2.0	2	16	0.4	1500	100—150	51
NET-3.0	3	16	0.4	1500	100—150	57
NET-5.0	5	20	0.75	2000	125—175	84

DIMENSION

MODEL	A	B	C	D	E	F	G
NET-0.5	463±25	244±12.5	219±12.5	φ 60	217	220	90
NET-1.0	482±25	264±12.5	218±12.5	φ 80	262	240	120
NET-2.0	517±25	281±12.5	236±12.5	φ 100	285	290	148
NET-3.0	525±25	285±12.5	240±12.5	φ 100	278	290	148
NET-5.0	627±25	369±12.5	258±12.5	φ 122	344	374	130



002	Side plate-A
008	Gear wheel
016	Bracket
017	Key plate
018	Hex bolt
019	Hex bolt
022	Side plate-B
023	Wheel pin
024	Snap ring
028	Plain wheel
029	Ball bearing
030	Snap ring
035	Shaft
036	Collar
038	Split pin
041	Switch case
042	Socket head bolt
044	Switch board
045	Socket head bolt
046	Spring washer
047	Cord holder
048	Switch case cover
049	Cover packing
050	Trolley name plate
051	Motor case
052	Stator
053	Motor cover
054	Ball bearing
056	Stud bolt
057	cap nut
058	Spring washer
059	Spring pin
060	Lead rubber
063	Brake spring
064	Side rotor
065	Brake disc
066	Friction disc
070	Snap ring
071	Flange
072	Ball bearing
073	Stay bolt
074	Rotor shaft
075	Rotor
076	Second gear
077	Ball bearing
078	Third gear
079	Ball bearing
080	Snap ring
081	Snap ring
082	Snap ring
098	Motor name plate
099	Hook rivet
171	Connector-B
177	Socket head bolt
651	Transformer
653	Terminal board
654	Hex stay pin
656	Machine screw
657	Magnetic switch
722	Power cord

002	Side plate-A
008	Gear wheel
016	Bracket
017	Key plate
018	Hex bolt
019	Hex bolt
022	Side plate-B
023	Wheel pin
024	Snap ring
028	Plain wheel
029	Ball bearing
030	Snap ring
035	Shaft
036	Collar
038	Split pin
041	Switch case
042	Socket head bolt
044	Switch board
045	Socket head bolt
046	Spring washer
047	Cord holder
048	Switch case cover
049	Cover packing
050	Trolley name plate
051	Motor case
052	Stator
053	Motor cover
054	Ball bearing
056	Stud bolt
057	cap nut
058	Spring washer
059	Spring pin
060	Lead rubber
063	Brake spring
064	Side rotor
065	Brake disc
066	Friction disc
070	Snap ring
071	Flange
072	Ball bearing
073	Stay bolt
074	Rotor shaft
075	Rotor
076	Second gear
077	Ball bearing
078	Third gear
079	Ball bearing
080	Snap ring
081	Snap ring
082	Snap ring
098	Motor name plate
099	Hook rivet
171	Connector-B
177	Socket head bolt
651	Transformer
653	Terminal board
654	Hex stay pin
656	Machine screw
657	Magnetic switch
722	Power cord

002	Side plate-A
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016	Bracket
017	Key plate
018	Hex bolt
019	Hex bolt
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023	Wheel pin
024	Snap ring
028	Plain wheel
029	Ball bearing
030	Snap ring
035	Shaft
036	Collar
038	Split pin
041	Switch case
042	Socket head bolt
044	Switch board
045	Socket head bolt
046	Spring washer
047	Cord holder
048	Switch case cover
049	Cover packing
050	Trolley name plate
051	Motor case
052	Stator
053	Motor cover
054	Ball bearing
056	Stud bolt
057	cap nut
058	Spring washer
059	Spring pin
060	Lead rubber
063	Brake spring
064	Side rotor
065	Brake disc
066	Friction disc
070	Snap ring
071	Flange
072	Ball bearing
073	Stay bolt
074	Rotor shaft
075	Rotor
076	Second gear
077	Ball bearing
078	Third gear
079	Ball bearing
080	Snap ring
081	Snap ring
082	Snap ring
098	Motor name plate
099	Hook rivet
171	Connector-B
177	Socket head bolt
651	Transformer
653	Terminal board
654	Hex stay pin
656	Machine screw
657	Magnetic switch
722	Power cord

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008	Gear wheel
016	Bracket
017	Key plate
018	Hex bolt
019	Hex bolt
022	Side plate-B
023	Wheel pin
024	Snap ring
028	Plain wheel
029	Ball bearing
030	Snap ring
035	Shaft
036	Collar
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042	Socket head bolt
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045	Socket head bolt
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047	Cord holder
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050	Trolley name plate
051	Motor case
052	Stator
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056	Stud bolt
057	cap nut
058	Spring washer
059	Spring pin
060	Lead rubber
063	Brake spring
064	Side rotor
065	Brake disc
066	Friction disc
070	Snap ring
071	Flange
072	Ball bearing
073	Stay bolt
074	Rotor shaft
075	Rotor
076	Second gear
077	Ball bearing
078	Third gear
079	Ball bearing
080	Snap ring
081	Snap ring
082	Snap ring
098	Motor name plate
099	Hook rivet
171	Connector-B
177	Socket head bolt
651	Transformer
653	Terminal board
654	Hex stay pin
656	Machine screw
657	Magnetic switch
722	Power cord

CHAIN HOIST 특성

CHAIN HOIST 사용률 산출표

Chain Hoist의 사용률은 Motor Coil의 온도上昇으로 決定하는 數値로 다음 項目에 關係된다.

1. Chain Hoist를 一日連續해서 어떤 位置에서 使用하는가?
.....使用時間 ED(25% 以下)
2. Chain Hoist의 始動回數가 많은가? 적은가?
.....始動回數(100% 以下)
3. 달아 올리는 荷重이 어떤 位置인가?負荷率(100% 以下)
4. 周圍溫度는 어떤가?周圍溫度(40℃ 以下)

●CHAIN HOIST의 使用率 算式

$$\text{使用率} = \frac{\text{連續使用時間內에 Motor에 通電된 時間의 合計}}{1 \text{ H의 連續使用時間}} \times 100$$

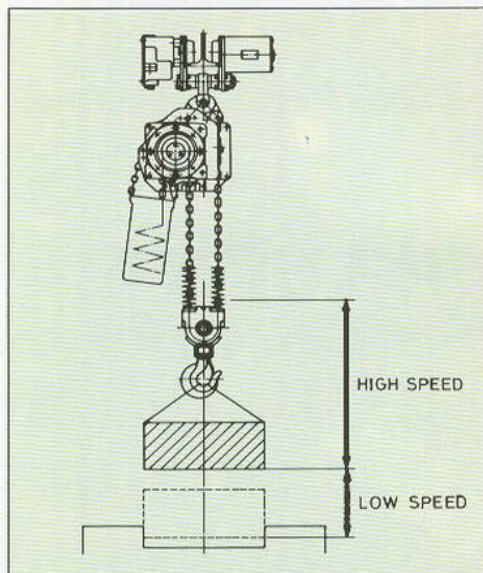
$$= \frac{\text{運轉時間}}{\text{運轉時間} \times \text{休止時間}} \times 100$$

●CHAIN HOIST의 使用率 限度

NAM SUNG Chain Hoist의 標準使用率을 25%, 始動回數 100回/hr이지만 負荷率, 周圍溫度 등 使用條件에 左右된다.

특히 連續作業 등 잦은 頻度로 使用될 때는 機種을 慎重하게 選定할 必要가 있기 때문에 반드시 照會해 주시기 바랍니다.

2-SPEED(NB)용 CHAIN HOIST 특성



1. 2-SPEED(NB) HOIST는 作業能率을 向上시킵니다.

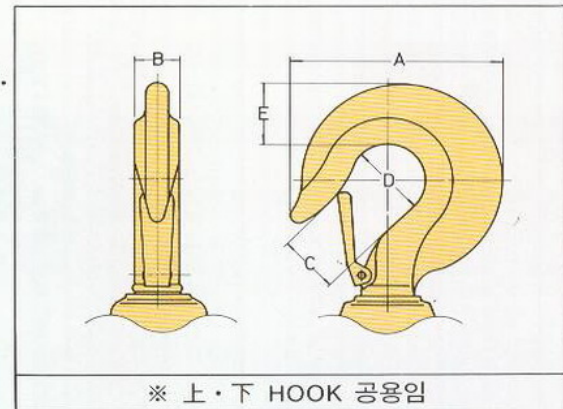
Inching없이 定位置에 確實히 運搬物을 着床시킬 수 있으며, 運搬物을 運搬時에는 高速으로, 精密한 作業時에는 微速으로 할 수 있으므로 運搬物의 Overrun이 없으며 安全하고 高能率의 입니다.

2. 安全作業이 約束됩니다.

短距離의 昇降도 靜肅하게 確實히 되므로 事故가 防止됩니다. 또한 高速 微速의 交換이 衝擊없이 徐徐히 變化합니다. 2段 Push Button Switch의 作動은 살짝 누르면 微速, 세게 누르면 高速이 되므로 잘못 操作 使用時에도 危險이 없습니다.

3. 運搬物에 損傷을 주지 않습니다.

停止希望位置를 지나치거나, 모자라거나 衝擊的으로 着床하는 일은 전혀 없으므로 精密加工品이라도 損傷시키는 일은 없습니다.



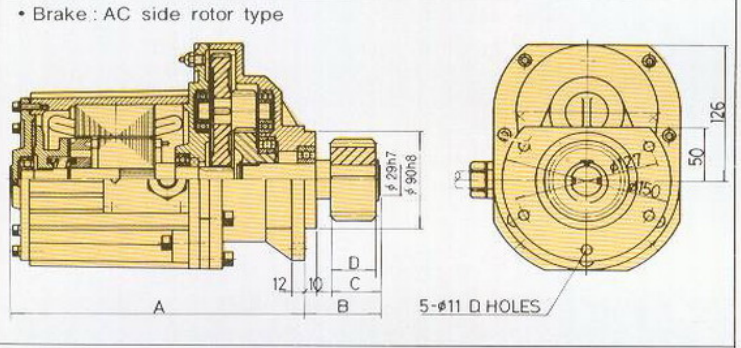
Hook Size & Load chain Weight

		0.5	1.0	1W	1.5	2.0	2W	2.8	3.0	5.0	7.5	10	15	20
DIMENSIONS (mm)	A	91	107	146	158	158	164	191	236	236	310	405		
	B	20	24	34	34	34	35	42	70	70	72	90		
	C	30	38	38	41	55	55	65	65	65	72	100		
	D	40	43	52	52	52	55	66	85	85	100	140		
	E	23	29	37	48	50	50	57	70	70	118	153		
Bottom Hook Block Weight(kg)		1.0	2.1	6	3.9	4.9	6	4.9	14	20	63	68	194	228
Load Chain 번 수		1	1	2	1	1	2	1	2	2	3	4	6	8
Load Chain Weight(kg)	Load Chain(1m)	0.86	1.10	0.86	1.96	2.66	1.10	2.66	1.96	2.66	2.66	2.66	2.66	2.66
	양 정(1m)	0.86	1.10	1.72	1.96	2.66	2.20	2.66	3.92	5.33	8.00	10.67	20.96	28.28
Load Chain 전장—(양정×번수)※αm		0.5	0.5	1	0.5	0.5	1	0.5	1	1	1.5	2	3	4

●熱間鍛造品이기 때문에 HOOK SIZE에 오차가 생길 수도 있습니다.

●LOAD CHAIN의 總重量=LOAD CHAIN 全長×LOAD CHAIN 1m當 重量=(揚程×掛數+※α)×LOAD CHAIN 1m當重量

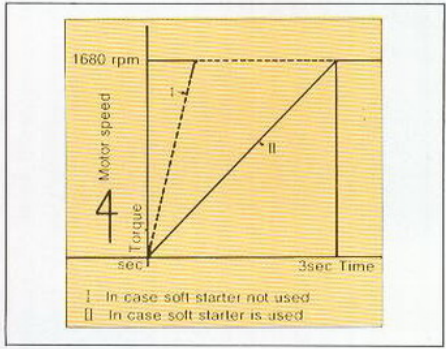
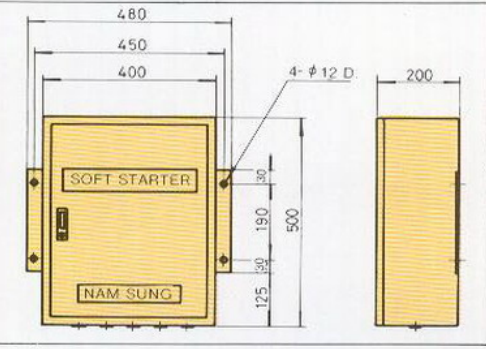
GEARED MOTOR



MODEL	CAP	DIMENSION				REDUCTION
		A	B	C	D	RATIO
GM-SA0.75	0.5kw×6P	259	60	40	35	1/12
	0.75kw×4P	(311)				
GM-SA1.5	1.0kw×6P	289	85	65	60	
	1.5kw×4P	(345)				

● () 内 size는 DC magnet brake type일 경우임.

SOFT STARTER



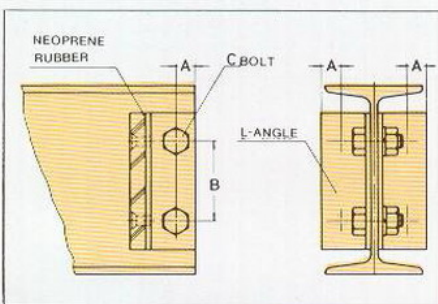
MODEL	CAPACITY(kw)		POWER
	1 motor	2 motor	SOURCE
NS-1.0	1.0	0.5×2	220V×3φ 380V 440V
NS-1.5	1.5	0.75×2	
NS-3.0	3.0	1.5×2	
NS-4.4	4.4	2.2×2	

I-BEAM 최대허용 SPAN

I-BEAM		CAPACITY(ton)							
SIZE(mm)	WEIGHT (kg/m)	0.25	0.5	1.0	2.0	3.0	5.0	7.5	10
※ 150×75×'5.5/9.5	17.1	5.0	3.5						
※ 200×100×'7/10	26	8.3	6.2	4.1	2.9	2.3			
※ 250×125×'7.5/12.5	38.3	12.2	8.6	6.3	4.4	3.6			
※ 300×150×'10/18.5	65.5	20.5	14.5	10.2	7.0	5.7	4.4		
350×150×'12/24	87.2	25.4	18.0	12.7	9.2	7.5	5.8	3.0	2.3
400×150×'10/18	72	26.2	18.5	13.1	9.5	7.8	6.0		
400×150×'12.5/25	95.8			15.1	10.9	8.9	6.7	5.3	4.1
450×175×'11/20	91.7			16.8	11.8	9.6	7.7		
450×175×'13/26	115				13.2	10.8	8.6	7.3	5.6
600×190×'13/25	133				18.8	15.3	11.8	10.4	9.0
600×190×'16/35	176				21.6	17.6	13.6	11.4	9.9

● 상기표는 I-BEAM의 처짐량을 1/1200 범위내에서 설정한 것임.
● 必要에 따라 위 표 값의 +20% 범위내에서 선정하여도 可能함.
● ※ 표시 I-beam은 국산임

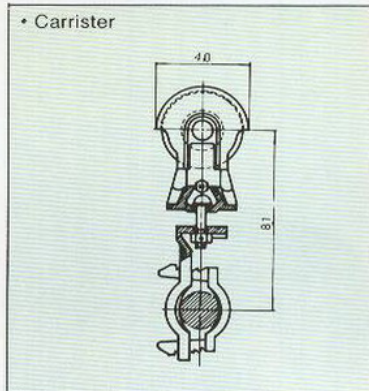
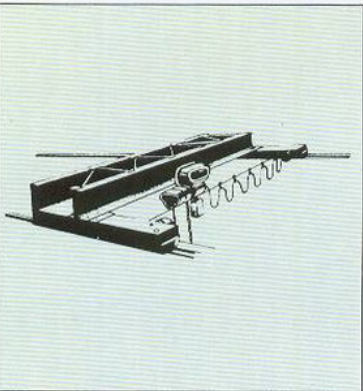
INSTALLATION OF STOPPER



I-beam (mm)	150×75	200×100	250×125	300×150	350×150	400×150	450×175
Angle beam(mm)	50×50×'6			65×65×'6			
A(mm)	20			30			
B(mm)	70	85	110	140	140	140	180
C(mm)	M	M	M	M	M	M	M
	12	16	16	20	20	20	20

POWER SUPPLY SYSTEM

CABLE HANGER TYPE

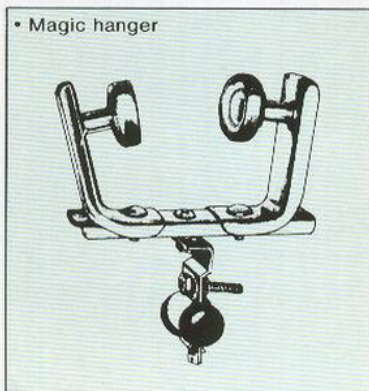
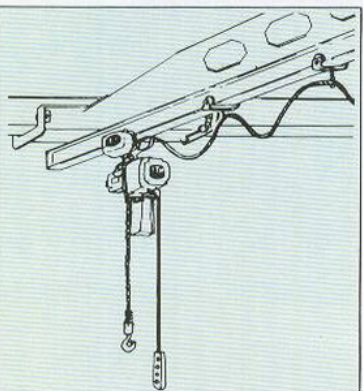


* CARRISTER를 이용하여 전원을 공급하는 방식으로 CABLE 1.5M 당 1개씩 설치하는 손쉬운 방식입니다.

* CPNK TYPE : (남성 S.T.D 제품)

1. 적용 MESSENGER WIRE 지름 : $\phi 6-8\text{MM}$
2. 적용 CABLE 지름 : $\phi 10-20\text{MM}$
3. 플라스틱으로 만들어져 옥외에서 수명이 길다.
4. 위의 STANDARD 제품외에
 - CF-1 TYPE 철판 프레임으로 CARRISTER
 - CF-2 TYPE 보다 굵은 CABLE용 CARRISTER
 - CF-3 TYPE 1개에 2가닥의 CABLE이 들어가는 CARRISTER 등 각 종류별로 준비하고 있습니다.
5. 주행길이 30m 이내 설치 가능합니다.

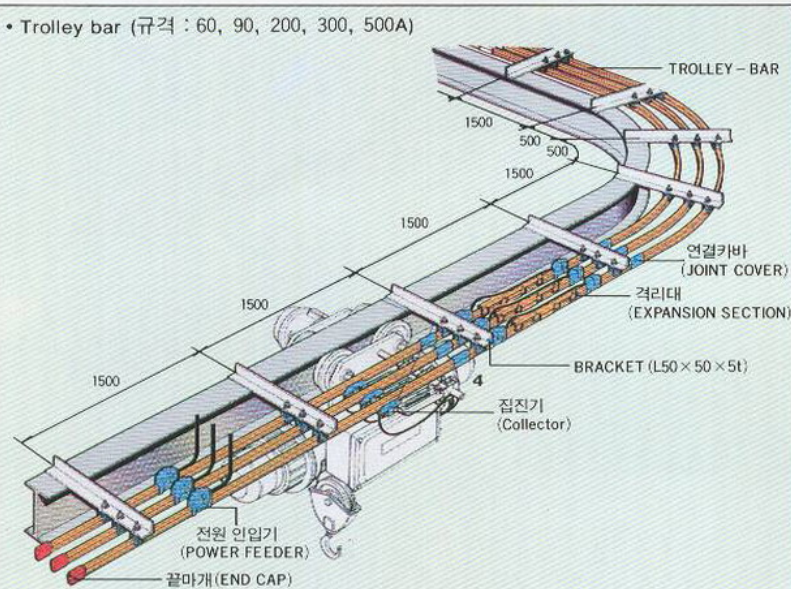
MAGIC HANGER TYPE



* 수전 기기의 주행로에 커브가 있을 때, JIB CRANE 선회 각도를 FULL로 활용하려 할 때 적당합니다.

1. 적용 CABLE 지름 : $\phi 10-20\text{MM}$
2. 적용 I-BEAM폭
 - M1 TYPE : 100, 125, 150MM
 - M2 TYPE : 75, 100, 125MM
3. 위의 STANDERD 제품외에
 - M3 TYPE 보다 굵은 CABLE용 HANGER
 - M4 TYPE 1개에 2가닥의 CABLE이 들어가는 HANGER 등 각 종류별로 준비하고 있습니다.
4. 주행길이 20 m 이내설치 가능합니다
(R=인 경우 1곳이 있는 경우 가능)

TROLLEY BAR TYPE

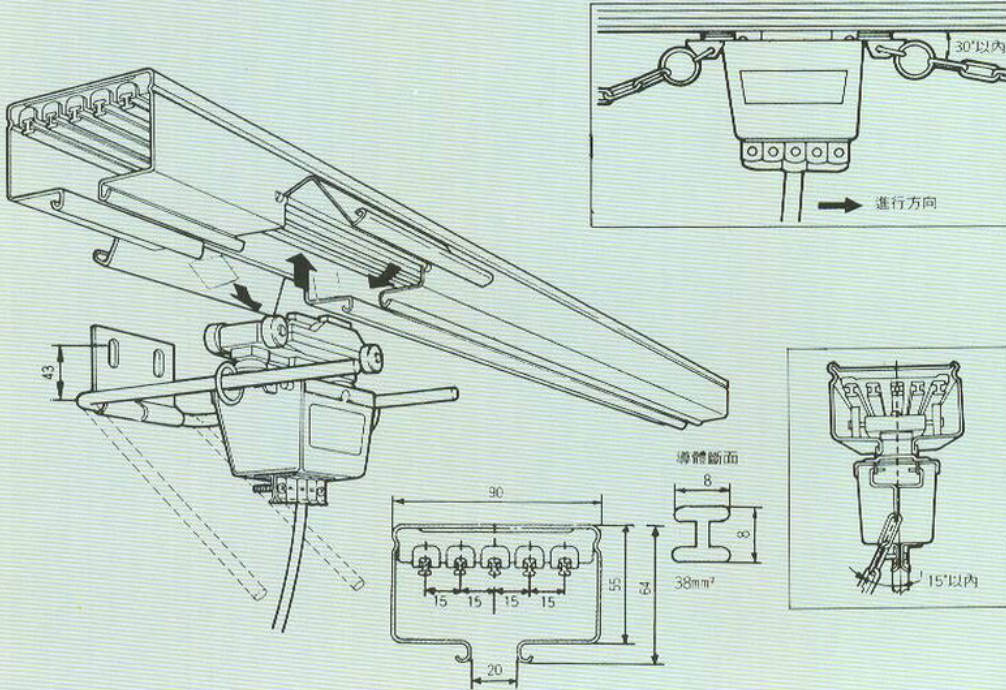


각종 전기기기의 전원 공급 장치로써 SYSTEM의 合理的인 운용에 효과적입니다. 특히 종래의 裡銅線 TROLLEY 및 CABLE 배선 방식에서 문제시된 점(탈선, 화재위험등)을 전면 개선하므로 절실하게 요구되는 전원공급 SYSTEM 설비의 능력을 높이고 안전성, 내구성, 경제성을 포함한 우수한 제품입니다.

명 칭(MAME)	비 고
TROLLEY-BAR	60A, 90A, 200A, 300A, 500A
EXPANSION SECTION	주위 온도변화로 BAR가 팽창될때 BAR의 휘어짐을 방지함.
COLLECTOR	구동기기에 부착되어 TROLLEY BAR로부터 집전함.
HANGER CLAMP	TROLLEY BAR를 BRACKET에 고정시켜줌.
JOINT COVER	BAR 연결부분 COVER
JOINT KEEPER	전류용량 60A 이상 또는 온도변화가 심한 장소에 설치시 사용
POWER FEEDER	BAR에 전원을 연결해 줌
END CAP	BAR 끝부분에 끼워준다.
HANGER BRACKET	ANGEL로 제작
MOUNTING BAR	COLLECTOR를 고정시킨다.

TROLLEY DUCT TYPE

• Trolley duct(규격 : 30, 60, 100A)

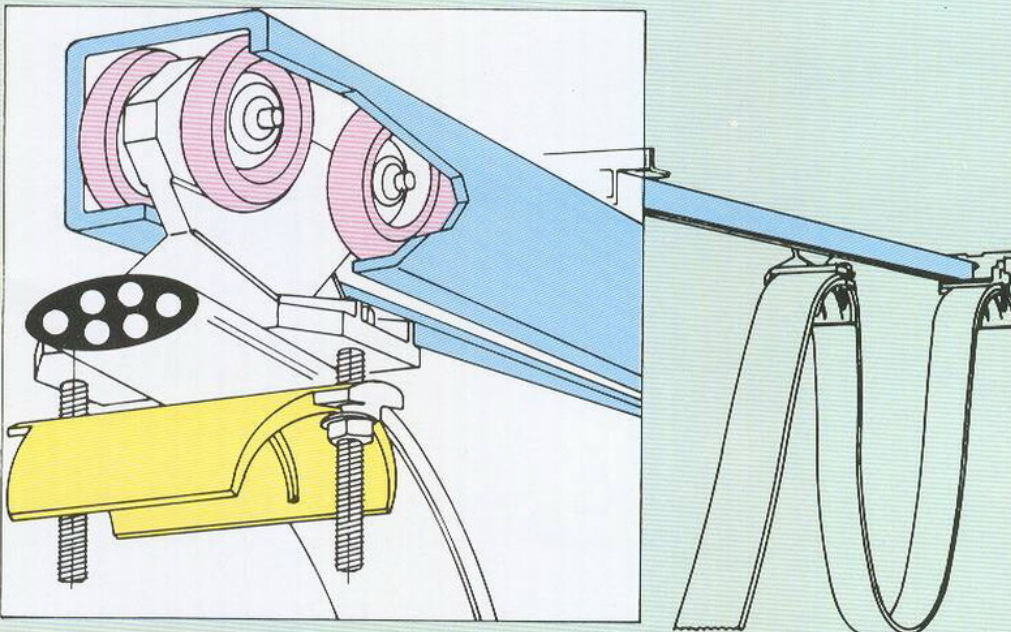


*TROLLEY DUCT는 도체를 강판재 DUCT로 보호하고 있으므로 감전사고 등으로 부터 안전합니다.

1. 裸銅線 TROLLEY나 TROLLEY BAR에 비하여 SPACE를 1/3로 감소시킬 수 있으며 취부가 간단하여 공간 사용이 편리합니다.
2. 裸線에서의 방전 및 아크현상 등을 제거하므로 인접한 곳에 전과 장애를 주지 않아 어느 곳에서나 사용이 가능합니다.

CABLE TROLLEY TYPE

• Cable trolley



*케이블 트로리 장치는 이동하는 기계에 전원이나 공기를 공급하기 위한 전선호스 등을 지지해 주는 장치입니다.

여기에 소개하는 케이블 트로리 장치는 원형 혹은 판형 전선 케이블을 전부 사용할 수 있습니다.

*케이블 트로리 장치의 캐리어는 이동하는 기계장치와 평행으로 설치된 □형(N-1, N-2) 트랙을 타고 기계장치와 함께 이동하게 되어 있습니다.

1. N-1 TRACK
 - 재료 : STEEL
 - 개당길이 : MAX. 5M
2. N-2 TRACK
 - 재료 : ALUMINIUM 합금
 - 특성 : 부식성에 강함
 - 개당길이 : MAX 6M

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- GENERAL CRANE
- EXPLOSION-PROOF CRANE
 - OVER HEAD CRANE
 - SUSPENSION CRANE
 - CRAB CRANE
 - JIB CRANE
 - GANTRY CRANE
- STACKER CRANE
- CHAIN BLOCK
- GEARED & PLAIN TROLLEY
- CARGO ELEVATOR
- LOAD LIMITER
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