

NITCHI

CHAIN HOIST HE-50A

available from 1/2 ton through 2 ton capacities

COMPACT AND LIGHTWEIGHT

HE-50A is made in our ultra-modern production facilities incorporating high quality materials, up-to-minute engineering and manufacturing techniques. The robust steel construction gives HE-50A its lightweight and compact size for the advantages to present convenient portability, easy installation and simple relocation. The exceptional short head room, when the bottom hook is in its highest position, permits the highest possible lift where the last inch of lift must be obtained.

REDUCTION GEARS AND LOAD SHEAVE

The HE-50A reduction gears are made of chromium molybdenum steel and the load sheave is made of spheroidal graphite cast iron and are precision machined and exclusively heat-treated. These materials and special heat-treating processes have already proven themselves to be remarkably tough and wear resistant on the reduction gears.

LOAD CHAIN

Our long experience in manufacturing material handling equipment including chain hoists and their chains and years of development have enabled us to produce the new high grade super-tough heavy-duty load chains for HE-50A, which conforms with the JIS B 8812-1981 and also with corresponding I.S.O. standard. The HE-50A load chains are made of special alloy steel, exclusively heat-treated for high elongation percentage, high tensile strength as well as for high resistance against wear.

Safety Latch: Every bottom hook and top hook is equipped with a safety latch.



DURABILITY

When durability is taken into consideration, HE-50A is in a class of its own ahead of the other chain hoists. Tests have proven that the durability of HE-50A clearly exceeds the former H-40 which was a legend in its own era for its durability and ruggedness.

HOOKS

The extremely easy to use large opening and deep pocketed newly-designed HE-50A hooks swivel to all direction and are made of high-quality material, drop-forged and expertly heat-treated for great strength and long wearing. Both top and bottom hooks on 1/2 ton to 2 ton capacities have two convex marks for checking the opening of the hooks. If the distance between the two convex marks exceeds the permissible limit, indicated in the manual supplied with each hoist, the hook is dangerously deformed and must be replaced at once.

DOUBLE-COVER PROTECTION

Chain hoists are known to be used in all types of harsh environments. The brake system of HE-50A is guarded by both the handwheel cover and ratchet cover for higher protection against rain, dust and other foreign matters.

LOAD BRAKE

The precision ratchet type automatic mechanical brake engages instantly and provides uniform performance with rated loads or less than the rated capacity. When lowering, a load is under perfect control at all times, that is exceptionally valuable where accurate movement is demanded for spotting loads.

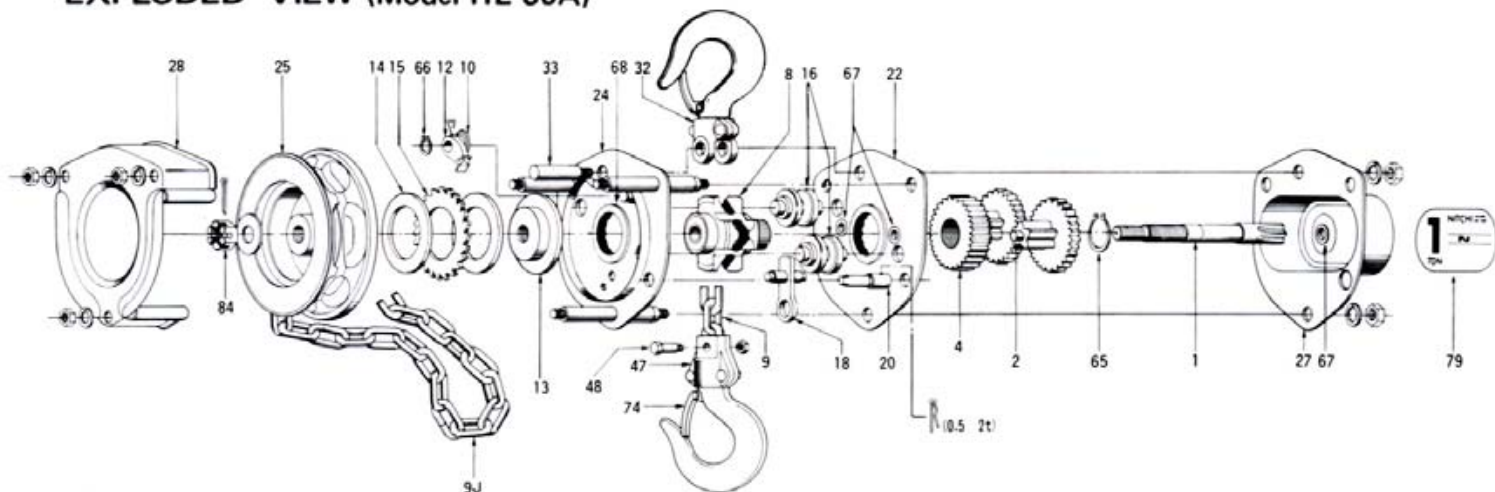
PULLING EFFORT

Extra attention was given to the pulling efforts and they are lowered remarkably to obtain higher productivity with as small as possible effort from operators. The pulling efforts to release the brake exceptionally light with HE-50A.

●FOR 21st CENTURY MATERIAL HANDLING SYSTEMS....

N NICH CO., LTD.
OSAKA, JAPAN.

EXPLODED VIEW (Model HE-50A)



PART LIST (Model HE-50A)

Index No.	Part Name	Wnsisting of index No.	0.5 t Part No.	1 t Part No.	1.5 t Part No.	2t Part No.
1	Pinion shaft		GHH5A001	JHH5A001	KHH5A001	LHH5A001
2	Pinions (with pinions gear) (set of 2)		GHH5A003T	JHH5A003T	KHH5A003T	LHH5A003T
4	Load gear		GHH5004	JHH5004	KHH5004	LHH5004
8	Load sheave		GHE5008	JHE5008	KHE5008	LHE5008
9	Load chain		T-5	T-6.3	T-7.1	T-8
9J	Hand chain					
13	Disc hub		GHH5A013	JHH5A013	KHH5A013	LHH5A013
14	Friction disc (set of 2)		GHH5A014	JHH5A014	KHH5A014	LHH5A014
15	Ratchet		GHH5A015	JHH5A015	KHH5A015	LHH5A015
16	Load chain guide (set of 2)		GHH5016	JHH5016	KHH5016	LHH5016
18	Stripper		GHH5018U	JHH5018U	KHH5018U	LHH5018U
20	Load chain anchoring pin		GHH5020	JHH5020	KHH5020	LHH5020
22	Gear-side plate	w/o 67, 68	GHH5022	JHH5022	KHH5022	LHH5022
67	Plain bushing for pinion (set of 4)		GHH5A067		KHH5A067	LHH5A067
68	Plain bushing for load sheave (set of 2)		GHE5005	JHE5005	KHE5005	LHE5005
24	Wheel-side plate assembly	10, 12, 66 w/o 68	GHE5024T	JHE5024T	KHE5024T	LHE5024T
10	Pawl spring		GHH5010		KHH5010	
12	Pawl		IRB3007		KRB3007	
66	Snap ring for pawl pin		SRC5108		SRC5112	
25	Handwheel		GHH5A025	JHH5A025	KHH5A025	LHH5A025
27	Gear cover	w/o 67, 79	GHH5027	JHH5027	KHH5027	LHH5027
79	Label		E-HE5A1	E-HE5A2	E-HE5A3	E-HE5A4
28	Handwheel cover		GHH5028	JHH5028	KHH5028	LHH5028
32	Top hook assembly	w/o 74	GHH5032T	JHH5032T	KHH5032T	LHH5032T
33	Yoke pin		RH4010033		RH4015033	RH4020033
47	Bottom hook assembly	74 w/o 48	GHH5047U	JHH5047U	KHH5047U	LHH5047U
48	Load chain fastening bolt with nut		GHH5048U	JHH5048U	KHH5048U	LHH5048U
74	Safety latch assembly		GHH5074U	JHH5074U	KHH5074U	LHH5074U
65	Snap ring for load sheave		SRC5122	SRC5125	SRC5130	SRC5138
84	Check nut		KN11M8		KN12M12	

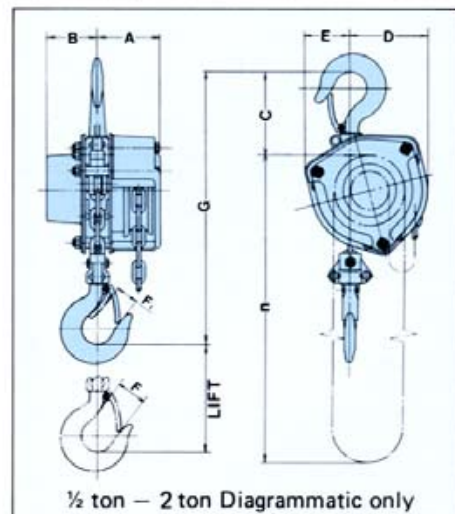
When ordering spare parts, please be sure to state parts numbers, capacities, model symbol and quantities referring to the above list.

STANDARD SPECIFICATIONS (HE-50A)

Capacity (ton)	S.W.L. Safe working Load		Lift		Pulling Efforts		Nos. of Load-chain fall	Drawn-up Dimension (G)		Net weight		Test Load (ton)
	lbs.	(kgf.)	feet	(m)	lbs.	(kgf.)		in.	(mm)	lbs.	(kgf.)	
0.5	1,100	500	8.2	2.5	55.0	25	1	10-15/64	260	17.6	8	0.75
1	2,200	1,000			59.4	27		11-13/16	300	23.1	10.5	1.5
1.5	3,520	1,600			72.6	33		13-47/64	345	33.0	15	2.25
2	4,400	2,000			88.0	40		14-61/64	380	46.2	21	3.0

A		B		D		E		F		F1		n	
in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	feet	(m)
3-15/64	82	2-13/64	56	3-35/64	90	1-57/64	48	1-3/16	30	1-15/16	24	8.2	2.5
3-17/64	83	2-31/64	63	3-15/16	100	2-21/64	59	1-27/64	36	1-9/64	29		
3-35/64	90	2-61/64	75	4-17/32	115	2-23/32	69	1-17/32	39	1-7/32	31		
3-55/64	98	3-11/32	85	5-13/64	132	3-15/64	82	1-21/32	42	1-11/32	34	9.8	3.0

The design, materials and specifications are subject to change for improvements without notice.



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