

HIAB RECYCLING CRANE



Features and Benefits

① In line type boom system with D-link

An outer boom link provides better lifting capacity close to the base and evens out the angular velocity of the boom tip, resulting in smooth and precise performance. It also prevents capacity loss when working with an extended second boom. The system absorbs pressure peak and shock during recycling materials handling work making the easy to work with.

② **Oil bath** keeps the slewing mechanism immersed in oil is a prerequisite in the heavy duty work that our crane perform. The oil bath provides smooth and precise slewing and reduce wear on the mechanism, keeping repair and service costs to a minimum.

③ Casted steel base

The base keeps the column in position and connects it to the stabilizer beam. In addition to carrying the ensure weight of the crane it also hosts and slewing mechanism. This places stringent requirements on the structure of base. High quality cast steel base are very sturdy since strain is evenly distributed. Casting in carried out in the quality controlled process to ensure strength.

④ **Double rack slewing system** gives the slewing motion a smooth start and is especially suitable for heavy duty application and also extremely reliable with high torque keeping maintenance costs down and productivity up. Rack and pinion slewing provides reliable operation even on incline or slopes.

⑤ **With three-point bridge** the driving characteristics of the truck are only minimally affected by the crane, so that riding in the truck cab remains a smooth and comfortable experience. In addition the service life of both truck and crane is maximized.

⑥ Hexagonal boom profile

The hexagonal profile ensures the boom is always in perfect balance, due to its shape and big support surface. It also minimizes deflection, maintenance cost and increases efficiency.

⑦ **Big swiveling shoe** for stabilizer leg consists of 2 hinges devices to perfect adjust to ground unevenness.



The need to turn waste into useful, sustainable resources keeps growing, and so do the demands on the people who work in the recycling business. No matter what materials you're working with, you need solutions that can stand up intense load cycles each and every day.





Make recycling work more easier and safer with crane, r

BUILT FOR RECYCLING

HIAB has a lengthy history of developing and manufacturing cranes for specifically plastics and also waste tires and construction debris. HIAB cranes are designed v thoroughly tested to withstand the demands of the recycling business.



Safety system(Hydraulic OLP, Option) provides safety by sensing cylinder pressure and related parts. It helps you improve maneuvering efficiency and safe operation of crane.

Top seat control

Ensure to get the good visibility of working site and get direct feeling of crane condition and status with good and smooth maneuverability.

External hose routing for boom system provides easy check and maintenance of hydraulic lines, also keeping repair/service cost minimum with easy maintenance at sites.

Side support pads for stability side supports, fitted on each boom extension, stabilize the boom laterally and minimize play.

Hydraulic cylinder operated stabilizer side beam shift provides easy, fast and safe operation at working site.

Rectangular tube protected leg for stabilizer prevents damages on the leg cylinder rod from tough condition of working site and also keeping repair and service costs to a minimum.

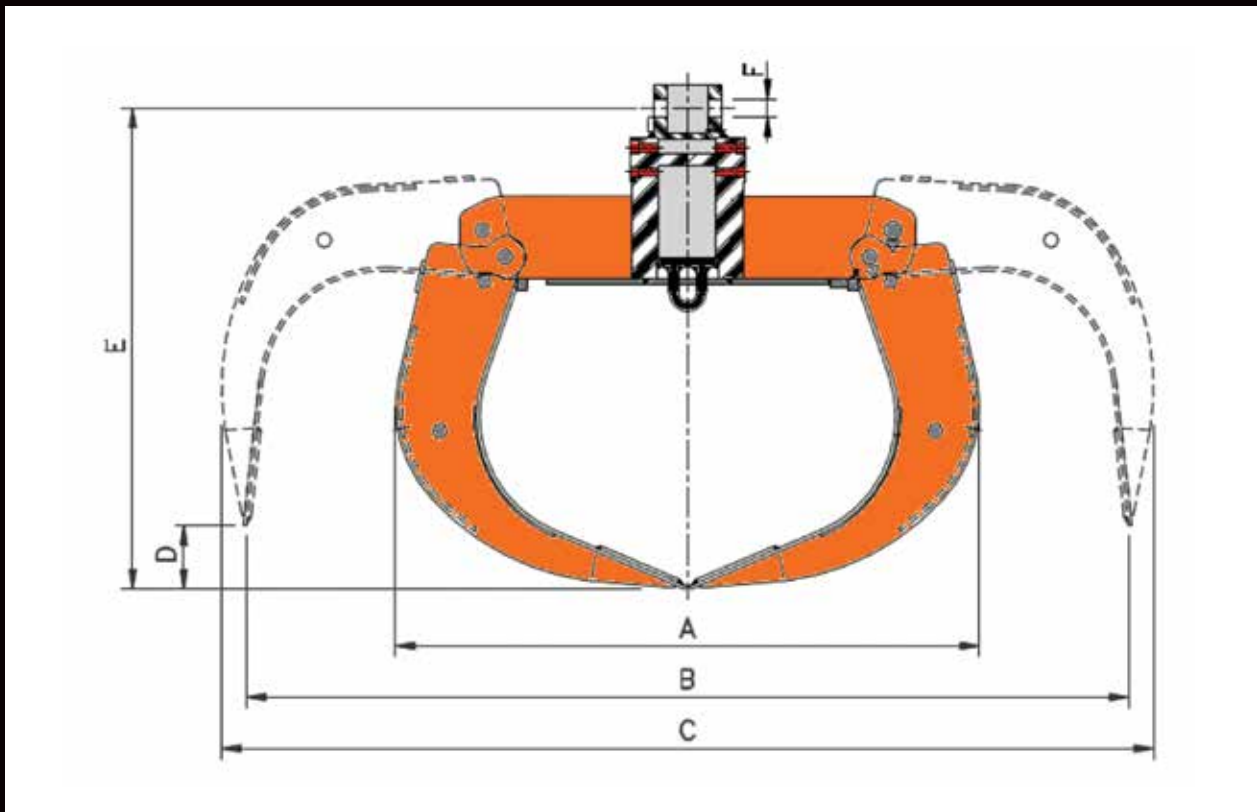
Heavy duty type scrap grapple with rotator keeps low repair, service cost and provides also long life time.

reliable and proven in the fields.

ly for handling of scrap, waste paper,
with real customer insight and are



HIAB Rotator & Scrap Grapple



	Model	Capacity (Half open)	Dimensions						No. of claw	Weight	Applied crane model
			A	B	C	D	E	F			
Scrap Grapple	SG120LT	0.12 m ³	667	1003	1080	120	621	Φ20	4	90 kg	HIAB JG series, 950XG
	SG120	0.12 m ³	693	995	1109	120	650	Φ25	4	150 kg	HIAB 3000-S
	SG250	0.22 m ³	837	1228	1330	102	680	Φ25	6	230 kg	HIAB 6000XGR
	SG350	0.34 m ³	1010	1525	1612	108	811	Φ30	6	377 kg	HIAB 10000XG
	SG400	0.40 m ³	1060	1629	1755	136	897	Φ30	6	417 kg	HIAB 12000XG
	SG450	0.44 m ³	1095	1757	1843	175	958	Φ30	6	435 kg	HIAB 14000XG/16000XG
	SG600	0.62 m ³	1231	1862	1965	131	965	Φ40	6	496 kg	HIAB 19000XG
Rotator	CLB-10	1020 kg	46 kg.m/Torque, 250 bar/Max. pressure							10.2 kg	HIAB JG series HIAB 950XG, 3000-S
	FR7	2000 kg	80 kg.m/Torque, 200 bar/Max. pressure							16 kg	HIAB 6000XGR
	CR-2	4000 kg	126 kg.m/Torque, 140 bar/Max. pressure							60 kg	HIAB 10000XG to HIAB 19000XG

Technical data

Description	Unit	HIAB 950XG	HIAB 3000S	HIAB 6000XGR	HIAB 10000XG	HIAB 12000XG	HIAB 14000XG	HIAB 16000XG	HIAB 19000XG
Crane capacity	tm	0.9	3.0	5.5	9.7	11.6	13.8	16.1	18.2
Max. outreach, hydraulic	m	3.6	5.2	6.3	7.6	8.0	8.6	9.26	9.57
Outreach / lifting capacity	m/kg	2.8 / 320	2.5 / 1200	2.3 / 2340	2.3 / 4150	3.7 / 3100	2.5 / 5000	3.2 / 4350	6.2 / 2900
		3.6 / 250	4.1 / 730	3.6 / 1540	4.2 / 2310	4.6 / 2520	5.0 / 2780	5.7 / 2780	7.7 / 2320
			5.1 / 600	4.8 / 1140	5.9 / 1550	6.2 / 1840	6.7 / 2060	7.4 / 2100	9.3 / 1920
				6.1 / 900	7.6 / 1200	7.9 / 1400	8.6 / 1550	9.1 / 1700	9.57 / 1700
Type of boom		In line type, Hexagonal extension booms							
Boom lifting speed / angle	sec/°	6/-30~80	8/-40~76	11/-42~80	8/-43~78	8/-35~80	9/-37~80	9/-28~80	11.6/-35~80
Boom extension system		1 hydraulic extension			2 hydraulic extension				
Boom extension length	m	0.8	0.81	2.6	3.4	3.4	3.56	3.56	3.2
Type of rack/pinion(slewing)		Single		Double					
Slewing torque / Angle	kNm/°	2.2 / 360	5.8 / 400	10.7 / 406	24.5 / 400	25 / 400	33.9 / 410	33.9 / 410	37 / 410
Slewing speed	°/sec	30	15	20	30	30	30	30	25
Max. operation pressure	bar	140	190	240	260	260	260	255	265
Recommended oil flow	ℓ /min	15	30	35~40	50	50	80	80	80
Type of control		Top seat control							
Type of stabilizer leg		Cylinder type			Rectangular tube protected				
Stabilizer span	m	2.35	2.61	3.25	4.6	4.6	5.0	5.0	5.8
Oil tank capacity	ℓ	25	45	100	170	170	200	200	200
Weight "standard" crane without stabilizer, Approx.	kg	450	660	960	1760	1780	2340	2470	2820
Weight "stabilizer / top seat", Approx.	kg	65 / 60	110 / 120	240 / 110	340 / 130	340 / 130	520 / 140	520 / 130	490 / 130
Recom. "Truck capacity"	ton	1	2.5	3	5	5	8	8	8

- All above models are non-CE version.
- The crane weight doesn't include the accessories weight.
- Options : OLP(Hydraulic or Electrical), Joy stick control(2 levers with 2 pedals), Oil tank, Oil cooler, Separate outrigger

BUILT TO PERFORM

Hiab is the world's leading provider of on-road load-handling equipment, intelligent services and digitally connected solutions. Hiab's offering encompasses class-leading load handling equipment including HIAB loader cranes.

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