

Attachment Information

Wood Grab

GM 10B – GMH 180

Size:

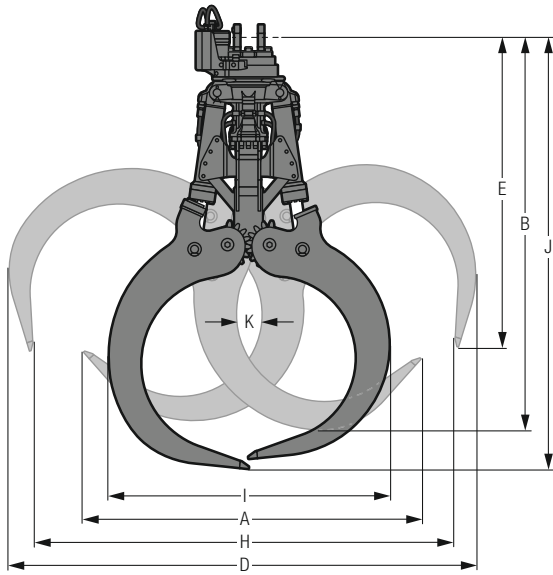
0.50 – 8.20 m²



LIEBHERR

GM 10B Round-Shaped

Complete Overlapping, Vertical Cylinders



Machine Range

Material handling machine	LH 22 – LH 26	Weight class 20 – 25 t
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Dimensions¹⁾/Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Grab centre position I Width	J Height	without suspension	Weight with HD suspension	with XHD-suspension
m ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	kg
0.80	810	1,758	2,124	110	2,465	1,731	2,217	1,481	2,374	1,185	1,260	1,285
1.00	810	1,932	2,249	145	2,666	1,776	2,411	1,600	2,469	1,230	1,305	1,330
1.30	810	2,171	2,375	185	2,959	1,834	2,687	1,762	2,619	1,285	1,360	1,385

¹⁾ Dimensions with HD bearing fork

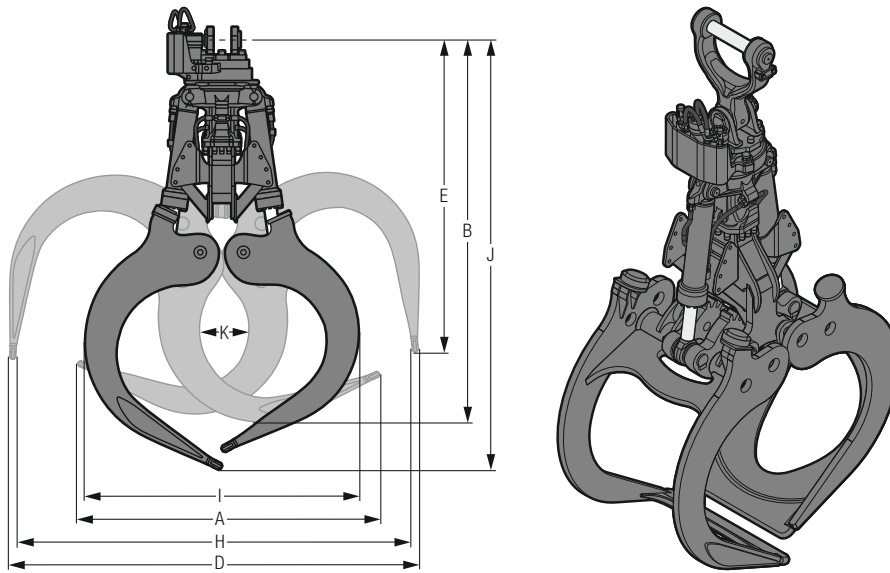
²⁾ with direct mounting

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 200 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
10 t	36 MPa	200 l/min.	15 MPa	30 l/min.	2.77 kNm

GM 10B Round-Shaped

Complete Overlapping, Straight Design, Vertical Cylinders



Machine Range

Material handling machine	LH 22 – LH 26	Weight class 20 – 25 t
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Dimensions¹⁾ / Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Grab centre position I Width	J Height	without suspension kg	Weight with HD suspension kg	with XHD suspension kg
m ²	mm	mm	mm	mm	mm	mm	mm	mm	mm			
0.50	810	1,135	2,090	179	1,918	1,971	1,801	1,058	2,337	860	935	960
0.80	810	1,685	2,138	279	2,282	1,785	2,212	1,523	2,401	1,170	1,250	1,275
1.00	810	1,971	2,217	334	2,465	1,838	2,394	1,745	2,510	1,240	1,315	1,340
1.30	810	2,029	2,288	301	2,537	1,842	2,467	1,876	2,541	1,330	1,405	1,430

¹⁾ Dimensions with HD bearing fork

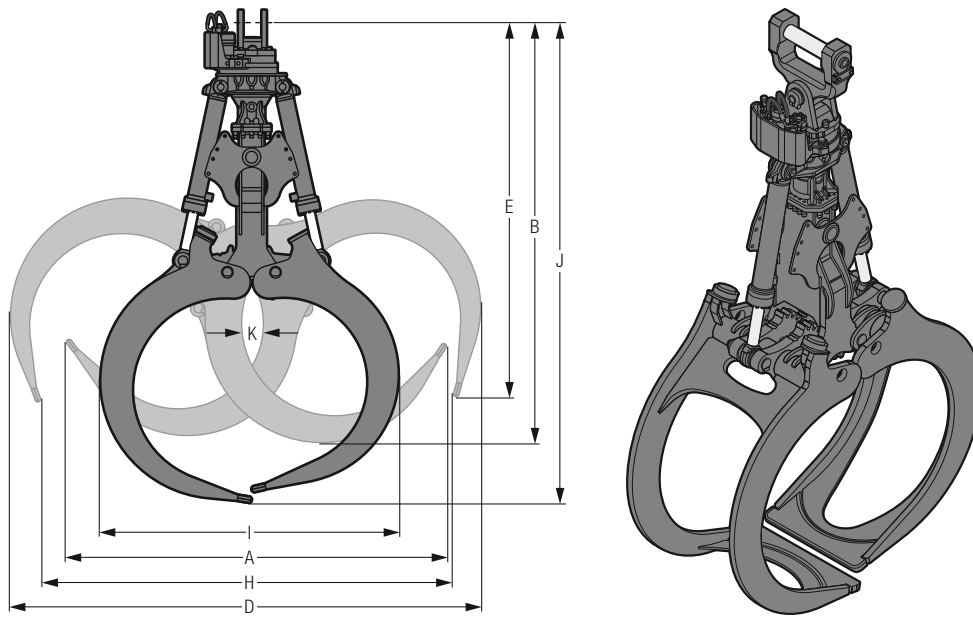
²⁾ with direct mounting

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 200 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
10 t	36 MPa	200 l/min.	15 MPa	30 l/min.	2.77 kNm

GM 20B Round-Shaped

Complete Overlapping, Vertical Cylinders



Machine Range

Material handling machine	LH 30 – LH 50	Weight class 25 – 55 t
Log loader	LH 35 M Timber	Weight class 27 – 35 t

Dimensions¹⁾ / Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Grab centre position I Width	J Height	without suspension	Weight with HD suspension	with XHD suspension ³⁾
m ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	kg
1.00	810	2,126	2,572	71	2,718	2,336	2,349	1,645	2,923	1,485	1,545	1,570
1.30	810	2,354	2,675	94	2,945	2,398	2,572	1,779	3,050	1,515	1,575	1,600
1.50	810	2,459	2,720	139	3,043	2,422	2,670	1,924	3,106	1,535	1,595	1,620
1.70	810	2,545	2,812	180	3,180	2,480	2,739	2,046	3,140	1,570	1,625	1,650
1.90	810	2,843	2,897	102	3,471	2,556	3,036	2,201	3,307	1,700	1,760	1,785

¹⁾ Dimensions with XHD bearing fork

²⁾ with direct mounting

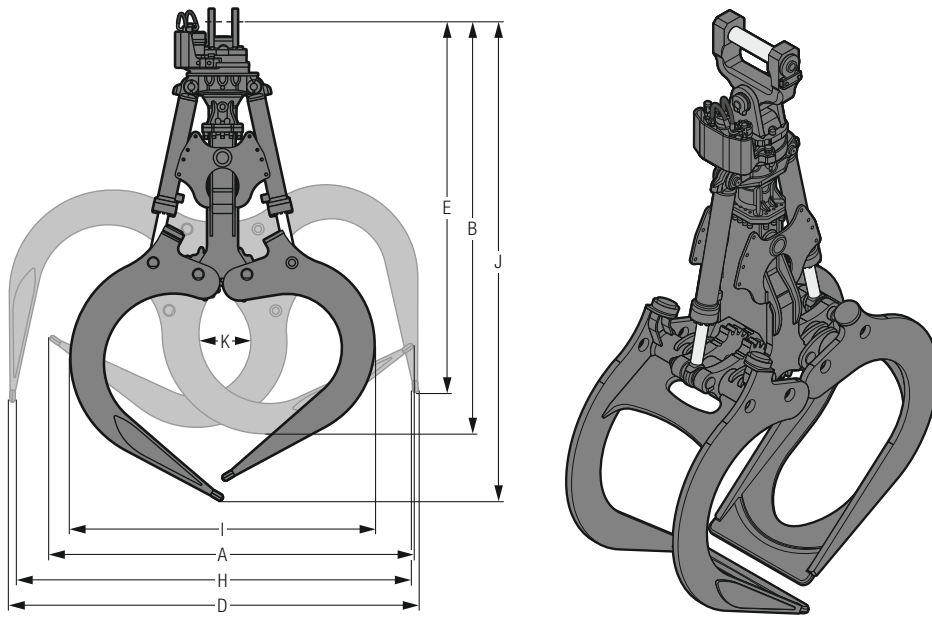
³⁾ from LH 40 (38 t)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 200 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
15 t	36 MPa	250 l/min.	15 MPa	30 l/min.	2.77 kNm

GM 20B Round-Shaped

Complete Overlapping, Straight Design, Vertical Cylinders



Machine Range

Material handling machine	LH 30 – LH 50	Weight class 25 – 55 t
Log loader	LH 35 M Timber	Weight class 27 – 35 t

Dimensions¹⁾ / Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Grab centre position I Width	J Height	without suspension kg	Weight with HD suspension kg	with XHD suspension ³⁾ kg
m ²	mm	mm	mm	mm	mm	mm	mm	mm	mm			
1.00	810	2,178	2,551	224	2,479	2,391	2,409	1,757	2,980	1,505	1,565	1,590
1.30	810	2,324	2,638	328	2,614	2,432	2,544	1,939	3,062	1,535	1,595	1,620
1.50	810	2,685	2,729	216	2,960	2,532	2,891	1,967	3,270	1,600	1,660	1,685
1.70	810	2,821	2,786	246	3,091	2,564	3,021	2,092	3,335	1,645	1,705	1,730

¹⁾ Dimensions with XHD bearing fork

²⁾ with direct mounting

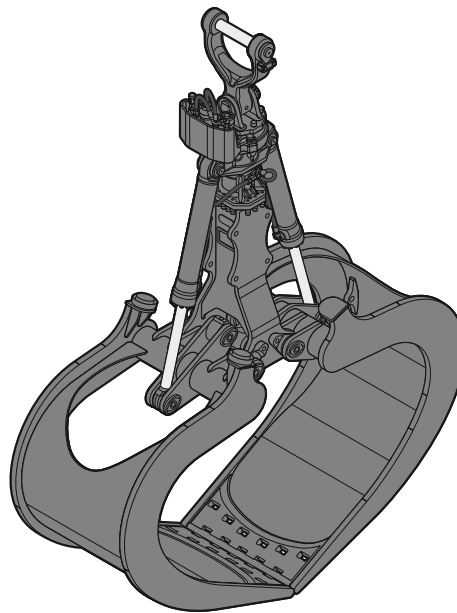
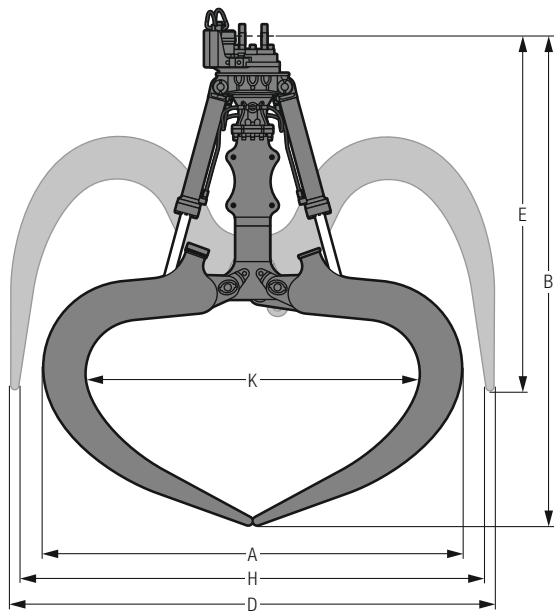
³⁾ from LH 40 (38 t)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 200 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
15 t	36 MPa	250 l/min.	15 MPa	30 l/min.	2.77 kNm

GM 20C Heart-Shaped

Tip-to-Tip Closing, Straight Design, Vertical Cylinders



Machine Range

Material handling machine	LH 30 – LH 50	Weight class 25 – 55 t
Log loader	LH 35 M Timber	Weight class 27 – 35 t

Dimensions¹⁾ / Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Weight			Hold-down chain
								without suspension	with HD suspension	with XHD suspension ³⁾	
m ²	mm	mm	mm	mm	mm	mm	mm	kg	kg	kg	kg
1.60	870	2,436	2,903	1,986	2,740	2,163	2,637	1,800	1,875	1,900	160
1.90	870	2,603	3,052	2,091	3,011	2,216	2,912	1,835	1,910	1,935	160

¹⁾ Dimensions with HD bearing fork

²⁾ with direct mounting

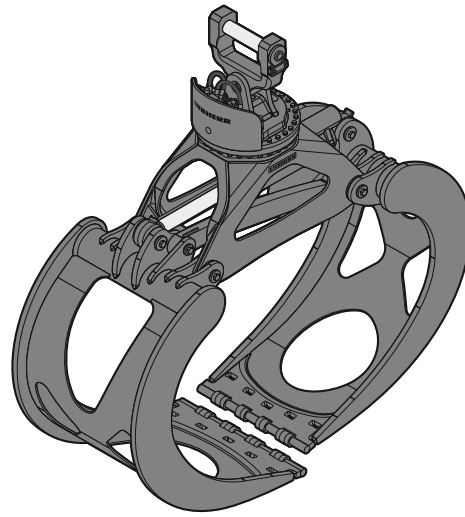
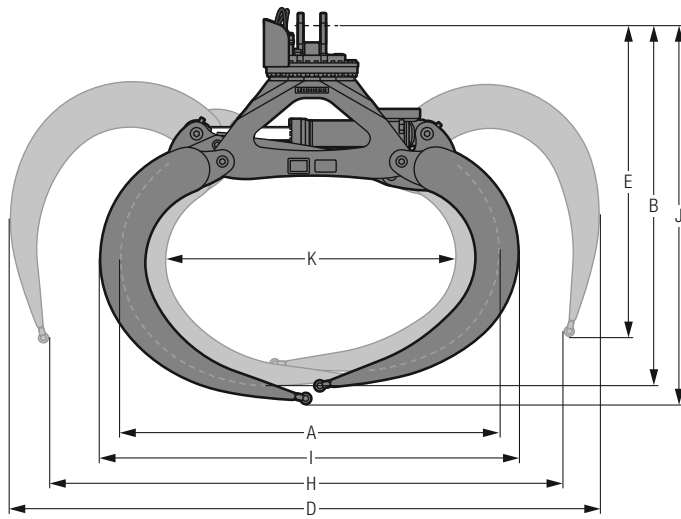
³⁾ from LH 40 (38 t)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 200 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
15 t	36 MPa	250 l/min.	15 MPa	30 l/min.	2.77 kNm

GMH 50 Round-Shaped

Overlapping, Horizontal Cylinders



Machine Range

Material handling machine	LH 50 – LH 150	Weight class 40 – 150 t
Log loader	LH 50 M Timber – LH 60 M Timber	Weight class 35 – 50 t

Dimensions¹⁾ / Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Grab centre position I Width	J Height	without suspension kg	Weight with XHD suspension ³⁾ kg	Hold-down chain kg
m ²	mm	mm	mm	mm	mm	mm	mm	mm	mm			
2.50	870	2,528	2,416	1,941	3,943	2,115	3,476	2,791	2,520	2,020	2,100	155
2.50	1,000	2,528	2,416	1,941	3,943	2,115	3,476	2,791	2,520	2,095	2,175	155
2.80	1,000	2,676	2,521	2,084	4,152	2,164	3,673	2,963	2,632	2,175	2,260	155
3.20	1,000	2,735	2,649	2,145	4,385	2,221	3,907	3,044	2,762	2,235	2,315	170
3.60	1,000	2,737	2,814	2,155	4,693	2,293	4,214	3,072	2,932	2,290	2,370	190

¹⁾ Dimensions with XHD bearing fork

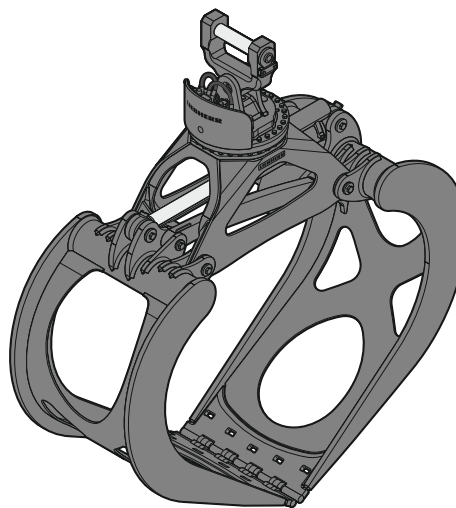
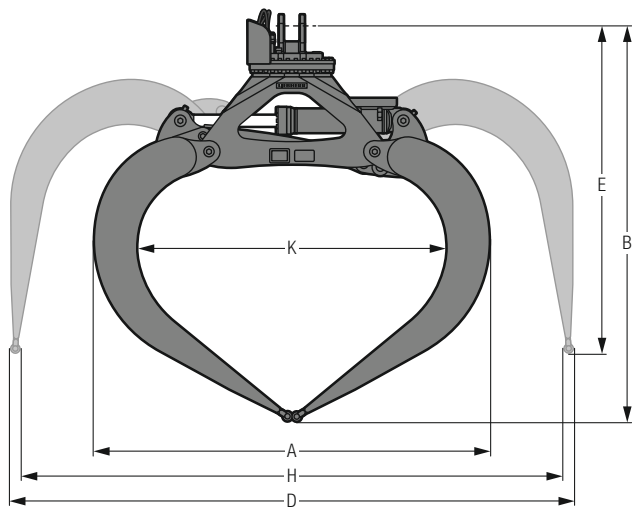
²⁾ with direct mounting and XHD suspension (320-80)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 315 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
30 t	36 MPa	300 l/min.	15 MPa	50 l/min.	5.81 kNm

GMH 50 Heart-Shaped

Tip-to-Tip Closing, Straight Design, Horizontal Cylinders



Machine Range

Material handling machine	LH 50 – LH 150	Weight class 40 – 150 t
Log loader	LH 50 M Timber – LH 60 M Timber	Weight class 35 – 50 t

Dimensions¹⁾/Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	without suspension	Weight with XHD- suspension	Hold-down chain
m ²	mm	mm	mm	mm	mm	mm	mm	kg	kg	kg
2.20	870	2,693	2,606	2,061	3,637	2,241	3,525	2,110	2,190	155
2.50	1,000	2,760	2,737	2,154	3,860	2,307	3,752	2,170	2,250	170
2.80	1,000	2,856	2,852	2,246	4,065	2,363	3,954	2,260	2,340	170
3.20	1,000	2,993	2,986	2,376	4,300	2,427	4,188	2,295	2,380	190
3.60	870	3,135	3,108	2,521	4,517	2,486	4,403	2,390	2,470	200

¹⁾ Dimensions with XHD bearing fork

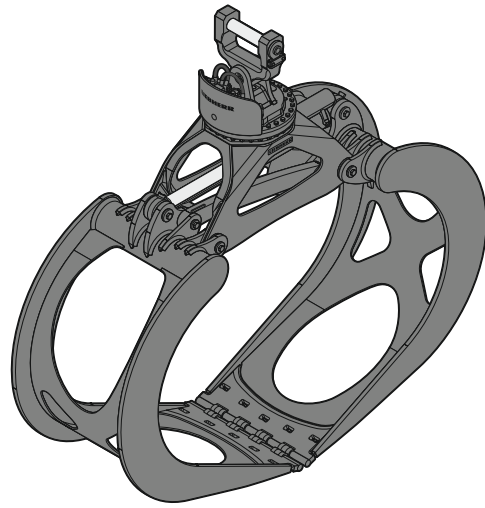
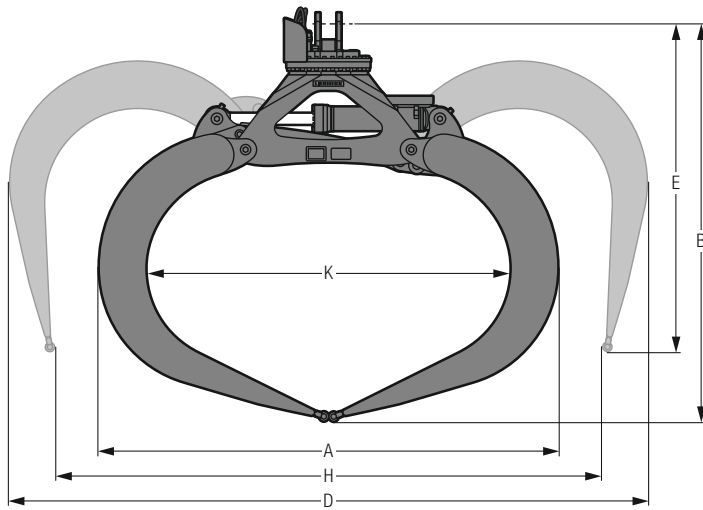
²⁾ with direct mounting and XHD suspension (320-80)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 315 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
30 t	36 MPa	300 l/min.	15 MPa	50 l/min.	5.81 kNm

GMH 50 Combi-Shaped

Tip-to-Tip Closing, Horizontal Cylinders



Machine Range

Material handling machine	LH 50 – LH 150	Weight class 40 – 150 t
Log loader	LH 50 M Timber – LH 60 M Timber	Weight class 35 – 50 t
Wheel loader	L 580 LogHandler	

Dimensions¹⁾ / Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	without suspension	Weight with XHD-suspension	Hold-down chain
m ²	mm	mm	mm	mm	mm	mm	mm	kg	kg	kg
3.20	870	3,167	2,766	2,475	4,405	2,316	3,803	2,195	2,280	190
3.20	1,000	3,167	2,766	2,475	4,405	2,316	3,803	2,240	2,325	190
3.60	1,000	3,326	2,877	2,645	4,627	2,367	3,999	2,260	2,345	200

¹⁾ Dimensions with XHD bearing fork

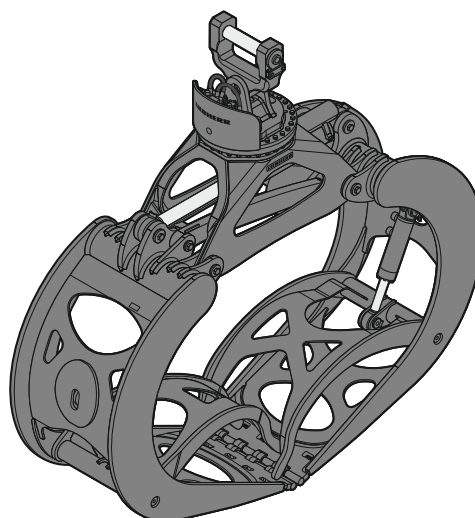
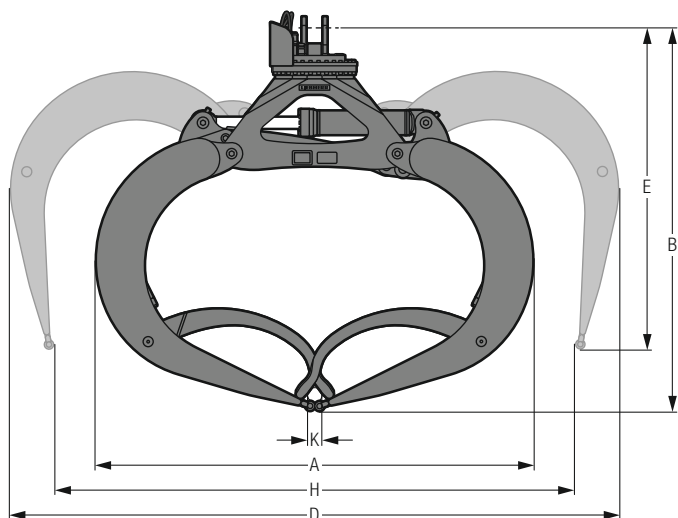
²⁾ with direct mounting and XHD suspension (320-80)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 315 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
30 t	36 MPa	300 l/min.	15 MPa	50 l/min.	5.81 kNm

GMH 50 Combi-Shaped

Tip-to-Tip Closing, Horizontal Cylinders, Hydraulic Clamping Device



Machine Range

Material handling machine	LH 50 – LH 150	Weight class 40 – 150 t
Log loader	LH 50 M Timber – LH 60 M Timber	Weight class 35 – 50 t
Wheel loader	L 580 LogHandler	

Dimensions¹⁾/Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Weight	
								without suspension	with XHD suspension
m ²	mm	mm	mm	mm	mm	mm	mm	kg	kg
3.20	870	3,167	2,766	110	4,405	2,316	3,803	2,610	2,690
3.60	870	3,326	2,877	135	4,627	2,367	3,999	2,910	2,990

¹⁾ Dimensions with XHD bearing fork

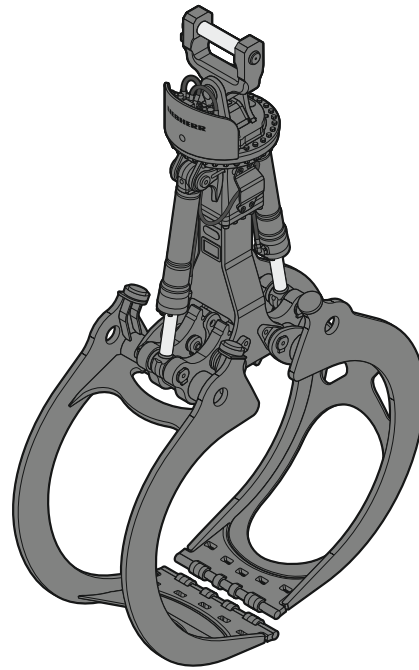
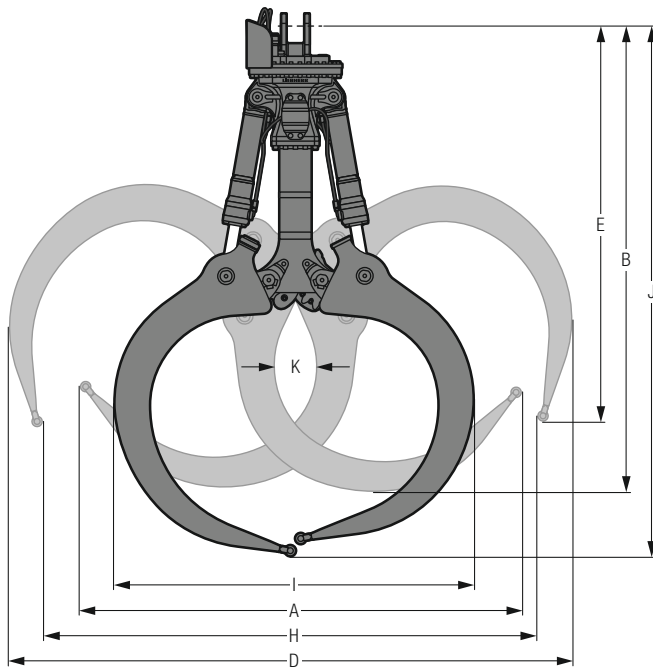
²⁾ with direct mounting and XHD suspension (320-80)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 315 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
30 t	36 MPa	300 l/min.	15 MPa	50 l/min.	5.81 kNm

GMH 80 Round-Shaped

Complete Overlapping, Vertical Cylinders



Machine Range

Material handling machine	LH 60 – LH 150	Weight class 55 – 150 t
Log loader	LH 50 M Timber – LH 60 M Timber	Weight class 35 – 50 t

Dimensions¹⁾ / Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Grab centre position I Width	J Height	Weight without suspension	Weight with XHD suspension
m ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
1.60	870	2,395	2,908	267	3,149	2,478	2,744	2,188	3,202	2,130	2,260
1.90	870	2,615	2,984	278	3,410	2,568	2,979	2,283	3,332	2,175	2,305
2.20	870	2,893	3,062	279	3,699	2,596	3,269	2,357	3,487	2,210	2,340
2.50	870	3,062	3,140	304	3,875	2,679	3,426	2,422	3,582	2,250	2,380

¹⁾ Dimensions with XHD bearing fork

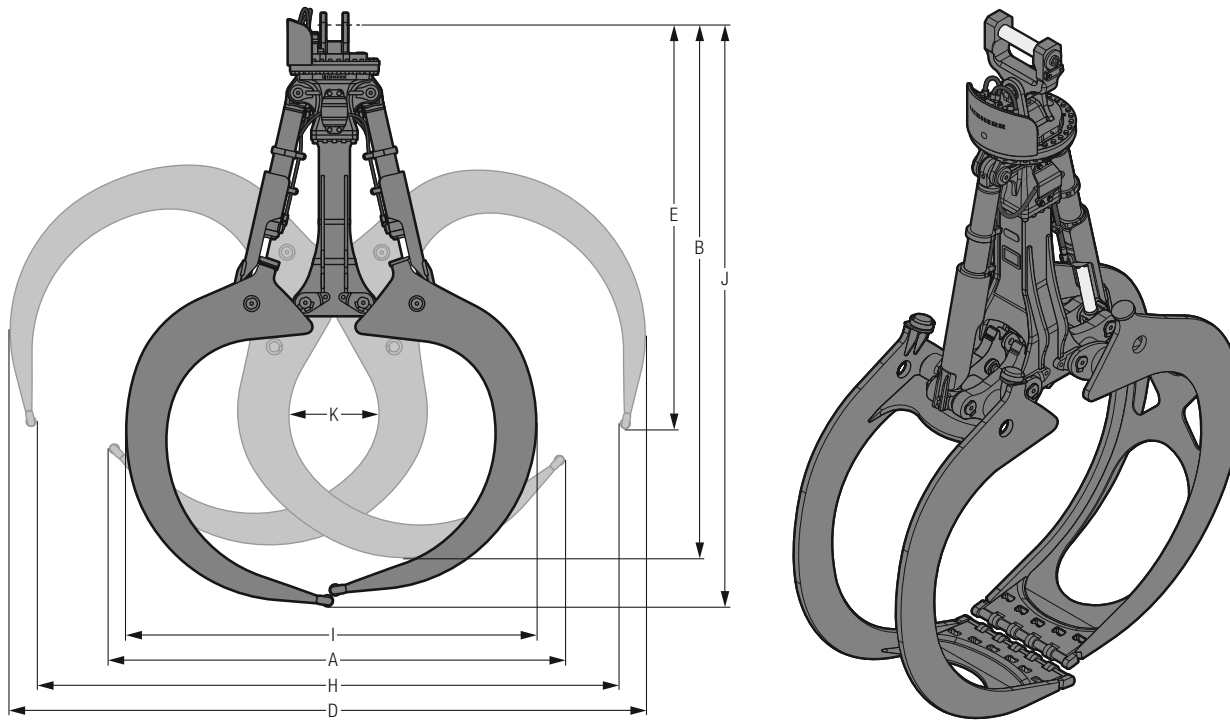
²⁾ with direct mounting and XHD suspension (320-80)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 315 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
30 t	36 MPa	300 l/min.	15 MPa	50 l/min.	5.81 kNm

GMH 120 Round-Shaped

Complete Overlapping, Vertical Cylinders



Machine Range

Material handling machine	LH 80 – LH 150	Weight class 70 – 150 t
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Dimensions¹⁾/Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Grab centre position I Width	J Height	Weight without suspension	Weight with XHD suspension
m ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
2.80	870	2,887	3,574	607	4,095	2,731	3,774	2,755	3,851	2,640	2,770
3.20	870	3,136	3,673	622	4,378	2,785	4,031	2,819	4,007	2,670	2,800

¹⁾ Dimensions with XHD bearing fork

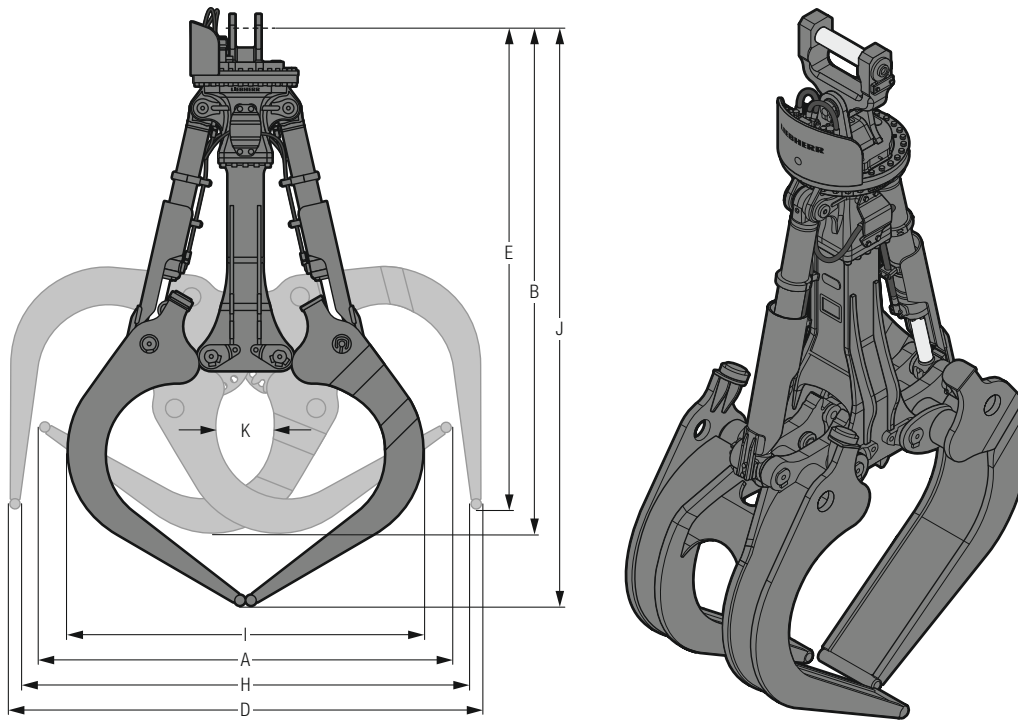
²⁾ with direct mounting and XHD suspension (320-80)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 315 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
30 t	36 MPa	300 l/min.	15 MPa	50 l/min.	5.81 kNm

GMH 120 Round-Shaped

Complete Overlapping, Straight Design, Vertical Cylinders, Two over One Grab



Machine Range

Material handling machine	LH 80 – LH 150	Weight class 70 – 150 t
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Dimensions¹⁾ / Weights²⁾

Size	Cutting width	A Width	Grab closed B Height	K Clamp diameter	D Width	Grab open E Height	H Opening width	Grab centre position I Width	J Height	Weight without suspension	Weight with XHD suspension
1.40 m ²	870 mm	2,400 mm	2,947 mm	337 mm	2,750 mm	2,805 mm	2,630 mm	2,069 mm	3,368 mm	2,460 kg	2,590 kg

¹⁾ Dimensions with XHD bearing fork

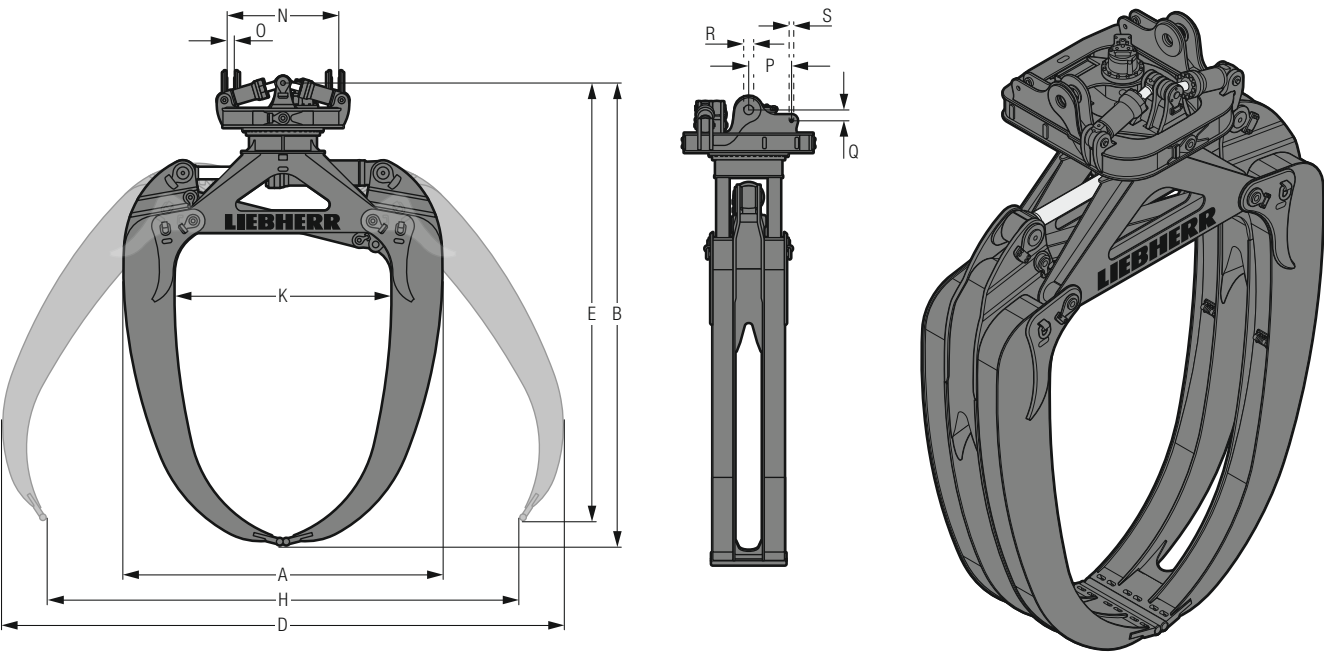
²⁾ with direct mounting and XHD suspension (320-80)

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 2 motors 315 cm ³
	Pressure max.	Flow max.	Pressure max.	Flow max.	
30 t	36 MPa	300 l/min.	15 MPa	50 l/min.	5.81 kNm

GMH 180

Tip-to-Tip Closing, Horizontal Cylinder



Machine Range

Reachstacker	LRS 645 LH
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Dimensions/Weights

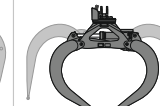
Size	Cutting width	Grab closed			Grab open			Suspension						Weight without suspen-sion
		A Width	B Height	K Clamp diameter	D Width	E Height	H Opening width	N Width	O Width	P Distance	Q Distance	R Dia-meter	S Dia-meter	
8.20 m²	900 mm	3,887 mm	5,653 mm	2,671 mm	6,858 mm	5,355 mm	6,858 mm	1,380 mm	100 mm	530 mm	135 mm	120 mm	40 mm	8,665 kg

Technical Data

Lift capacity max.	Grab open / close		Grab turning		Torque 1 motor SAT 225 / 230
	Pressure max.	Flow max.	Pressure max.	Flow max.	
30 t	36 MPa	300 l/min.	15 MPa	85 l/min.	40.8 kNm

Versions Overview

Application Field Allocation

	Variant 1 • complete overlapping • vertical cylinders	Round-shaped Variant 2 • complete overlapping • straight design • vertical cylinders	Variant 3 • overlapping • horizontal cylinders	Combi-shaped Variant 4 • tip-to-tip closing • horizontal cylinders	Combi-shaped Variant 5 • tip-to-tip closing • hydraulic clamping device • horizontal cylinders	Heart-shaped Variant 6 • tip-to-tip closing • straight design • horizontal / vertical cylinders
						
Log pick-up from stack	● ● ●	●	● ● ●	● ●	● ●	●
Penetration / closing characteristics	● ● ●	●	● ● ●	● ●	● ●	● ● ●
Allows precise unloading onto stack	●	● ●	●	● ●	● ●	● ● ●
Proportional / partial emptying possible	●	● ●	●	● ●	● ●	● ● ●
Single log clamping	● ● ●	● ●	○	●	● ● ●	● ●
Single log handling	●	● ●	●	● ●	● ●	● ● ●
Ratio of unladen weight to payload	● ● ●	● ●	● ● ●	● ●	●	● ●
Bulk handling	● ● ●	●	● ● ●	● ●	● ●	○
Sorting	●	● ●	●	● ●	●	● ● ●
Truck unloading	● ●	● ●	● ●	● ●	● ●	● ● ●
Complete emptying of boxes	●	● ● ●	○	○	○	● ● ●

● ● ● = very good, ● ● = good, ● = satisfactory, ○ = sufficient

Equipment

Suspension

	GM 10B round-shaped	GM 20B round-shaped	GM 20C heart-shaped	GMH 50 round-shaped	GMH 50 heart-shaped	GMH 50 combi-shaped	GMH 80 round-shaped	GMH 120 round-shaped	GMH 180
Material handling machine / Log loader									
Suspension for direct mounting	•	•	•	•	•	•	•	•	
SW suspension separable for direct mounting	+	+	+	+	+	+	+	+	
Suspension for industrial SWA mechanical	+	+	+						
Suspension for SW industrial stick (hydraulic)	+	+	+	+	+	+	+	+	
Screw coupling	•	•	•	•	•	•	•	•	
Multi coupling system	+	+	+	+	+	+	+	+	
MH40 LIKUFIX	+	+	+						
SWA 33 hydraulic	+								
SWA 33 hydraulic + LIKUFIX	+								
SWA 48 hydraulic		+	+						
SWA 48 hydraulic + LIKUFIX		+	+						
SWA 66 hydraulic				+	+	+	+	+	
SWA 66 hydraulic + LIKUFIX				+	+	+	+	+	
Reachstacker									
Direct mounting at Reachstacker									•
Wheel loader									
Direct mounting at LogHandler						•			

Other conventional suspension types for all main machine makes available on request.

Grab

1 motor									•
2 motors	•	•	•	•	•	•	•	•	
Soft start				•	•	•	•	•	
Mechanic protective device				+	+	+			
Cylinder hose protection	+	+		+	+	+			
Protection for piston rod							+	+	
Central lubrication system				+	+	+			+
Hold-down chain			+	+	+	+			+
Hydraulic clamping device						+			
Edge with roller			+	+	+	+	+	+	
Edge with lobe			+	+	+	+	+	+	•
Edge with blade			+	+	+	+	+	+	
Bolt-on edge					+	+			

• = Standard, + = Option

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