

GSH9B, GSH15B, GSH20B, GSH22B

Orange Peel Grapples for Hydraulic Excavators



Features

New Design

Wide range of applications

Maintenance

Options available

Benefits

The new design of the orange peel grapples ensures maximum protection of the hydraulics through integration of the hydraulics cylinders into the tines and a guard that protects the hydraulic couplers and lines from damaging, lowering your operating costs.

These grapples can be used for a wide range of applications such as handling shredded scrap, long structural beams, car bodies, and waste at recycling and transfer stations, as well as rocks at construction sites.

Easily accessible lubrication points, hydraulic components are easily accessible behind covering guards. Made of durable wear-resistant materials.

Choice of open, semi-closed, narrow and closed shells with a variety of capacities.

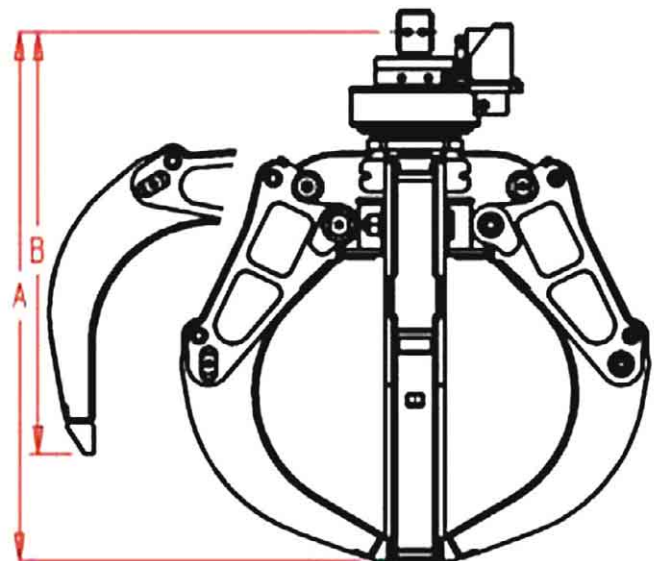
CATERPILLAR®

Orange Peel Grapples for Hydraulic Excavators

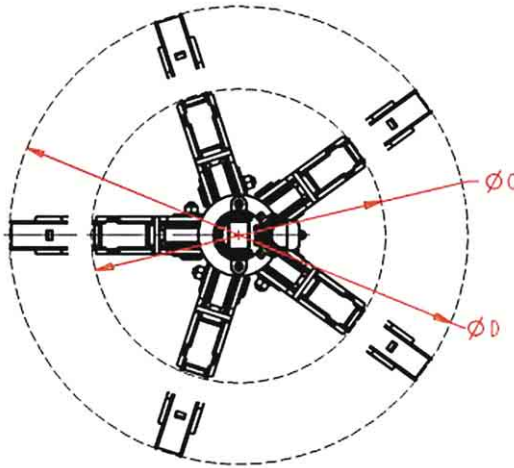
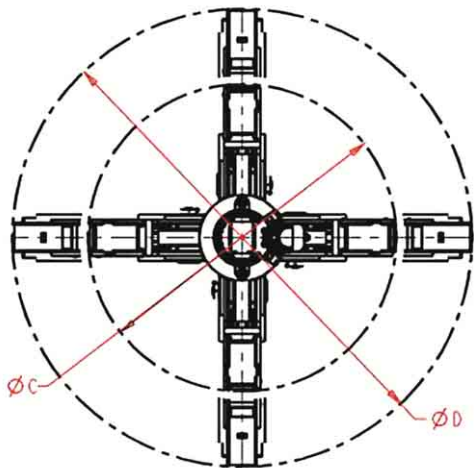
Specifications and Dimensions

		GSH9B				GSH15B					
		4 Tines		5 Tines		4 Tines		5 Tines			
Type/Capacity	Liter	300	400	300	400	600	800	400	500	600	800
Recommended carrier weight											
Excavator class	metric tons	9-15		9-15		15-21		15-21			
Material Handler class	metric tons	9-18		9-18		18-25		18-25			
Operating weight*											
open	kg	530	540	630	640	–	–	1375	1380	1395	1465
semi-closed	kg	570	580	670	690	–	–	1445	1455	1475	1545
closed	kg	660	690	730	760	–	–	1530	1540	1575	1655
narrow	kg	–	–	–	–	1215	1260	–	–	1450	1515
Maximum lifting capacity	ton	3		3		4		4			
Hydraulic open/close											
Maximum pressure	bar	350		350		350		350			
Optimum Flow	l/min	80		80		100		100			
Hydraulic rotation											
Maximum pressure	bar	140		140		180		180			
Optimum pressure	bar	140		140		140		140			
Optimum Flow	l/min	20		20		20		20			
A Height – tines closed	mm	1370	1460	1370	1460	1740	1880	1670	1700	1760	1890
B Height – tines opened	mm	1100	1150	1100	1150	1385	1450	1350	1370	1400	1460
C Diameter – tines closed	mm	1320	1320	1290	1280	1540	1560	1500	1500	1500	1500
D Diameter – tines opened	mm	2000	2150	1940	2090	2415	2640	2190	2250	2340	2550
Ground clearance – tines opened	mm	540	590	540	580	640	710	600	620	650	710
Pin diameter crosshead	mm	50		50		70		70			
Width of the crosshead	mm	85		85		114		114			
Overall width	mm	1500	1610	1280	1370	1810	1970	2085	2145	2230	2430
Max. opening shells	mm	–	–	1850	1900	2121	2346	1964	2034	2121	2346

* Weight of grab is excluding the mounting bracket



	GSH20B						GSH22B						
	4 Tines			5 Tines			4 Tines		5 Tines				
	600	800	1000	600	800	1000	1000	1500	600	800	1000	1250	1500
	20-30			20-30			22-50		22-50				
	25-35			20-35			35-60		35-60				
	–	–	–	1820	1855	1900	–	–	2660	2715	2740	2780	–
	–	–	–	1905	1955	2020	–	–	2770	2855	2890	2945	–
	–	–	–	1985	2055	2145	–	–	2860	2980	3030	3095	–
	1575	1615	1660	1870	1920	1975	2390	2410	–	–	2855	–	2880
	8			8			12		12				
	350			350			350		350				
	150			150			200		200				
	200			200			200		200				
	160			160			160		160				
	20			20			20		20				
	1720	1860	2010	1720	1860	2010	2175	2265	1970	2100	2175	2245	2265
	1440	1510	1590	1440	1510	1590	1830	1880	1710	1785	1830	1870	1880
	1735	1735	1735	1735	1735	1735	2050	2050	2050	2050	2050	2085	2050
	2390	2595	2855	2390	2595	2855	2950	3050	2640	2840	2950	3060	3050
	645	715	790	645	715	790	900	955	780	860	900	940	955
	80			80			90		90				
	150			150			200		200				
	1800	1930	2125	2210	2395	2635	2230	2320	2450	2635	2730	2830	2820
	2064	2305	2552	2064	2305	2552	2522	2675	2201	2412	2522	2650	2675



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Hydraulic Requirements

Two way hydraulic high pressure lines for opening/closing and two way hydraulic medium pressure lines for rotation controlled by joystick in the cab or pedal according to customer's choice.

Orange Peel Grapples

Matching Guide

	Hydraulic Excavators	Material Handler
GSH9B	311C, 312C, 312D, 314C, M313C, M313D	
GSH15B	312C, 312D, 315C, 315D, 318C, 319C, 319D, 320C, 320D, 321C, 323D, M315C, M315D, M316C, M316D, M318C, M318D, M322C, M322D	320C MH, M318C MH, M318D MH, M322C MH, M322D MH
GSH20B	320C, 320D, 323D, 322C, 324D, 325C, 325D, M318C, M318D, M322C, M322D	325C MH, M325D MH, 330C MH, 330D MH, M318D MH, M322C MH, M322D MH, M325C MH, M325D MH
GSH22B	322C, 324D, 325C/325D, 330C/330D	330C MH, 330D MH, 345C MH, M325C MH, M325D MH