

4 TINE ORANGE PEEL SCRAP GRAPPLES

SPECIAL FEATURES







High Production Grapples – engineered to help you move more scrap and reduce downtime.

<u>New C-Series Grapples</u> incorporate important service related improvements while maintaining parts interchangeability with the B series grapples.

- Rotation. 360 degree high torque rotation is continuous and bi-directional for fast positioning of the grapple and load.
 <u>C Series</u> - Improved accessibility to jumper hose fittings.
- ♦ Hydraulic Rotation Motor is equipped with a built-in relief valve for protection against pressure spikes.
- Heavy Duty Slewing Ring Bearing. For ease of servicing, all bearing bolts are accessible from the top of the grapple.
- ◆ Optional Knock-Around Rotation is 360° continuous with no stops.
- Special Armored Hydraulic Hoses are well protected inside the grapple.
- Sealed Pin Joints retain grease and keep out dirt for extended pin and bushing life. Pins and bushings are large diameter, heat treated alloy steel. <u>C series</u> - Improved pin retention system is easier to service and provides additional support.
- Quality Hydraulic Cylinders incorporate heavy cylinder walls, oversize rods, heavy rod shrouds and hydraulic cushions to absorb shock.
- ♦ **High Pressure Hydraulics**. Grapples are designed for use with high pressure hydraulic systems up to 5,000 psi.
- Alloy Steel Tines with heavy duty face plate offer high strength and greater wear resistance. Semi-enclosed tines are standard. Fully enclosed tines are optional.
- Replaceable Abrasion Resistant Tips made from an abrasion resistant, alloy steel. <u>C Series</u> - New tine tips are 100% larger for extended service life and are shaped to close without gaps.
- Built By Young, a leader in producing quality attachments since 1902.

SPECIFICATIONS

Machine Weight Class (Max.) *		65,000#		135,000#					200,000#			
Grapple Model		LO75C	LO95C	LO100C	LO125C	LO150C	LO200C	LO250C	LO205C	LO300C	LO400C	
Capacity- Cu.Yd.		.75	1	1	1.25	1.5	2	2.5	2	3	4	
Number of Tines		4	4	4	4	4	4	4	4	4	4	
Maximum Opening	Α	82	89	88	95	100	108	116	120	126	138	
Overall Height Open	В	78	81	94	96	98	100	101	108	114	116	
Overall Height Closed	С	92	97	108	112	115	120	124	135	137	144	
Overall Width Closed	D	54	60	61	63	69	75	80	76	86	94	
Crosshead Width	Е	6	6	8.25	8.25	8.25	8.25	8.25	8	8	8	
Mounting Pin. Dia.	F	2.5	2.5	3	3	3	3	3	4	4	4	
Width Open	G	69	75	75	82	86	93	97	101	108	118	
Rotation Degrees		360	360	360	360	360	360	360	360	360	360	
Weight – lbs.		2,500	2,900	3,850	4,150	4,450	4,800	5,500	7,500	8,000	8,200	
Hydraulic Circuit Infor	mati	ion										
(Recommended)												
Open/Close Circuit												
Supply Line Size – in.		3/4		1					1			
GPM Delivery		35 - 55		70 - 90					90 - 110			
Relief Setting - psi		2,500 - 5,000		2,500 - 5,000					2,500 - 5,000			
Open-Close Ports		5/8 JIC		3/4 JIC					3/4 JIC			
Rotation Circuit												
Supply Line Size – in.		1/2 - 3/4		1/2 – 3/4					1/2 - 3/4			
GPM Delivery		4 - 6		4 – 6					4 – 6			
Relief Setting - psi		1,500 Max		1,500 Max					1,500 Max.			
Rotation Ports			3/8 JIC		3/8 JIC					1/2 JIC		
Control Valve Type										.,,_		
Open/Close Circuit												
Rotation Circuit		4 Way, Closed Center, Spring Return										

^{*}Proper grapple sizing is affected by machine lift capacity, material density and customer application. Contact Young for recommendations

Dealer / Customer to furnish

- Two hydraulic circuits for grapple openclose and rotation per above specifications
- ♦ Hydraulic lines to grapple

Grapple Options

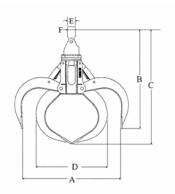
- ♦ Standard crosshead, dims. E, F above
- Special crossheads to fit booms other than Young
- ♦ Knock-around rotation
- ◆ Tine reinforcing plate for back side of tines
- ♦ Fully enclosed tines (See photo below)

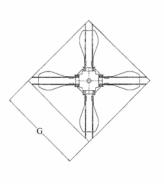
Distributed By:



Optional: Fully enclosed tines

Lettered Dimensions in Inches





ALSO AVAILABLE FROM YOUNG

- ♦ Material handling fronts 2pc & 3pc
- Special applications sticks
- ♦ Clamshell buckets
- Magnet grapples
- Magnet generator systems
- Magnet couplers
- ♦ Magnet rotators

Materials and specifications are subject to change without notice or obligation

