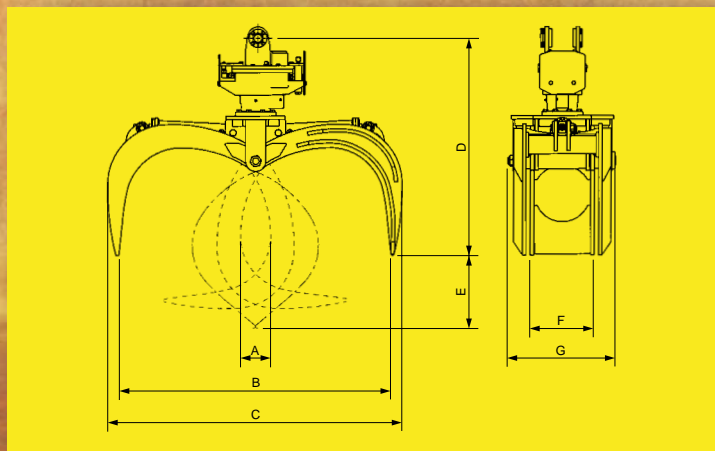


COMBINATION GRAPPLES

Engineered with pride, built to last.

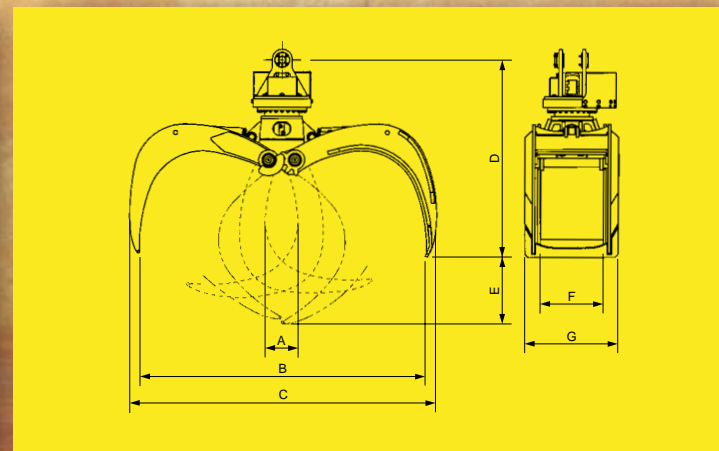
Dimensions A to G are in inches.						
Light to medium-duty application						
MODEL	4207	5609	6007	6006	6606	7606*
Capacity in 8' cord	0.15	0.21	0.28	0.34	0.40	0.50
Surface in sq. ft. (when tip to tip)	2.3	3.3	4.4	5.3	6.4	8.0
A	7.0	9.0	7.0	6.0	6.0	6.0
B	42.0	56.0	60.0	60.0	66.0	76.0
C	46.6	60.3	65.0	68.1	74.8	86.8
D with 3250	40.0	37.9	42.5			
with 9150		43.4	48.0	53.0	55.5	59.8
with 24000				53.1	55.6	59.9
E	8.1	16.6	16.1	14.1	15.5	16.8
F	14.1	16.0	14.0	16.0	14.0	16.0
G	21.0	24.0	23.8	24.0	23.8	24.8
Weight (lb)						
with 3250	455	780	830			
with 9150		870	920	995	1100	1620
with 24000				1150	1255	1775

* Model with dual pins and standard lock valve on cylinders.



Dimensions A to G are in inches.					
Medium to heavy-duty application					
MODEL	6006HD	6606HD	8610**	8810**	9910**
Capacity in 8' cord	0.34	0.40	0.50	0.65	0.90
Surface in sq. ft. (when tip to tip)	5.4	6.4	8.0	10.2	14.5
A	6.1	6.0	10.0	9.5	10.5
B	64.4	68.1	86.6	94.9	110.9
C	70.3	75.8	92.8	103.5	120.3
D with 24000	53.8	55.0	59.4	65.6	72.6
with 26000	53.8	55.0	59.4	65.6	72.6
with 40000				67.6	74.6
E	10.4	17.2	20.6	21.9	26.6
F	16.4	16.4	20.6	29.5	30.0
G	24.5	24.5	29.6	39.5	40.0
Weight (lb)					
with 24000	1510	1600	1905	2725	3540
with 26000	1585	1675	1980	2800	3615
with 40000				3155	3970

** Model standard with dual pins, synchro-gears and closed wide jaw. All these models come with standard lock valve on cylinders.



We reserve the right to change specifications and improve our products without notice or obligation.

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COMBINATION GRAPPLES



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INNOVATING  SINCE 1975

A TOUGH, RELIABLE AND DURABLE COMBINATION GRAPPLE. HERE IS WHY.

COMBINATION GRAPPLES

APPLICATION

The combination grapples are designed for handling short wood, logs or tree-length. They are used when a combination of wood types must be handled with one grapple. The tines bypass one another to grip a single log or a partial bundle. They can be installed on knuckleboom loaders and rubber-tire or track excavators converted for logging. This type of grapple is ideal in slashing application and the heavier models can be matched to a live heel for tree-length handling.

PINS

Pins contribute to structural integrity without adding weight

Pins are chromed and heat treated

Oversized pins mounted on bronze bushings to reduce maintenance costs

STRUCTURE

165 000 lb tensile strength steel (65% stronger than T1 steel)

Three times the strength of typical cold rolled steel

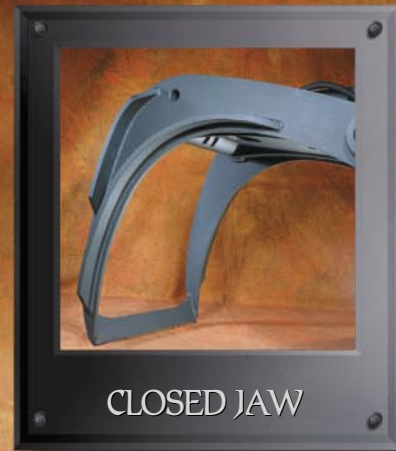
Higher wear resistance

Best resistance/weight ratio

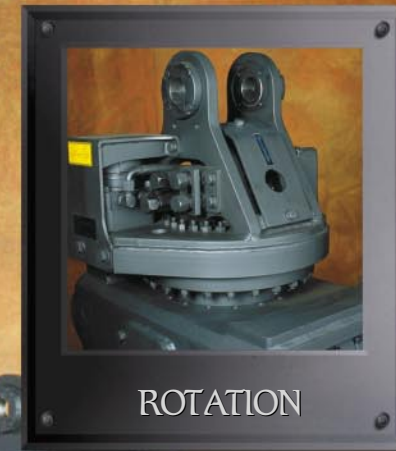
Precision machining assures long rotation life

Fit and part interchangeability enhanced by line boring after welding

Closed wide jaw and synchro-gears on heavy-duty models



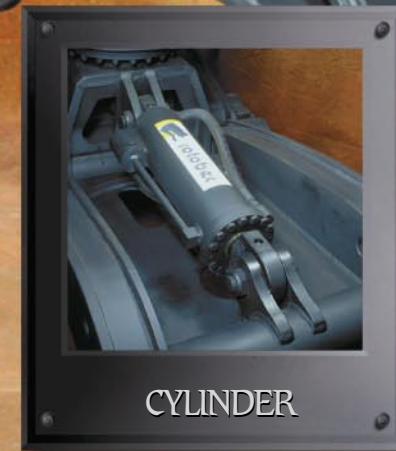
CLOSED JAW



ROTATION



SYNCHRO-GEAR



CYLINDER

ROTATIONS

Full 360° continuous rotations

Many models to match machine capacity and operation requirements for maximum life and productive time

ROTATION MODEL	SWING TORQUE (in. lb)	AXIAL LIFT CAPACITY (lb)	WEIGHT (lb)
3250	5 400	10 000	140
9150	6 500	18 000	220
24000	10 600	50 000	375
26000	21 200	50 000	475
40000	31 000	80 000	880

CYLINDERS

Bolt-on heads for cost effective maintenance

High-pressure piston seals (10 000 psi)

Rod leakproof twin inner cylinder head seals

Cylinders designed to match machine operating pressure

Self-aligning bushings on larger models

Lock valve standard on heavy-duty models

INNOVATING



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