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QUOTATION

Contact: Mike Braasch	Title: Fleet Mgr
Name: Romeoville Public Works	Date: 4/28/2026
Address: 615 Anderson	
City: Romeoville	State: IL Zip: 60446
Phone: 815-378 -4061	Fax:
Email: mbraasch@romeoville.com	

IT IS MY PLEASURE TO SUBMIT THE FOLLOWING PROPOSAL FOR YOUR CONSIDERATION:

MODEL: CASE CX90E CRAWLER EXCAVATOR **\$ 124,921**

STANDARD FEATURES

*New 2026 Unit

ENGINE:

Yanmar 4TNV98CT
 4 Cyl. liquid cooled diesel
 3.3L displacement
 Federal emissio n Tier IV Compliant
 Horsepower:
 Net (SAE) 72 at 2100 RPM
 Fuel Tank Capacity: 26 gal. (US)
 Long Life Anti-freeze (protection to -34° F)

UPPER STRUCTURE:

Swing brake
 Four piece counterweight
 Steel belly pan guarding
 500 hour greasing interval - turntable bearing

ELECTRICAL:

12 Volt system
 Alternator: 80 AMP
 Batteries: 1
 Horn
 Water proof and sealed switches

OPERATORS CAB:

Adjustable deluxe seat with 3" seat belt
 Safety glass
 Fully enclosed and sound proofed
 Heater/defroster
 Radio - AM/FM
 Skylight
 One touch accelerator - decelerator
 Sliding front window
 Windshield wiper with washer
 Air conditioning
 Two piece front window
 Pressurized cab

UNDERCARRIAGE:

Front track guides
 Shoes: 18" 3-bar (39 per side)
 Track length: 9' 4"
 Track gauge: 6' 2"
 Hydraulic track adjusters
 Full overlap turntable bearing tub
 Tapered upper track frame
 Lower under covers
 Sealed outer flange rollers
 Long chassis

BLADE:

Hydraulic dozer blade width 7'7"
 Std Boom w/6' 11" Long Arm
 Rear Camera
 Multi-Function Hydraulics
 Pattern selector (ISO and SAE)
 Road Liner Rubber Tracks
 Hydraulic Pin Grabber Coupler
 24" Tooth Bucket
 36" Ditch Bucket

TRACK DRIVE:

2 speed hydrostatic (max. speed 3.0 mph)
 Disc type parking brakes
 Drive motor guards

Sourcewell Contract #011723CNH
 Pricing

October 2026 Delivery

HYDRAULICS:

2 Variable flow piston pumps
 1 position mode selector
 Auto pump destroke
 Auxiliary hydraulic valve
 Boom anti-drift valve
 Pilot controls - ISO pattern
 Ultra Clean filtration system
 5000 hour hydraulic oil change interval
 1000 hour hydraulic filter change interval

ATTACHMENTS:

Arm: 5' 7" (less bucket)
 Swing Boom: 11' 7" one piece
 Hammer adaptable - Reinforcing required for crusher/cutter operation.
 Swing brake

Optional Equipment:

Wainroy Swinger attachment-\$7,850
 Kent/FRD F-6 Hammer-\$14,900
 Set up for Hammer and/or Swinger ir th.

Allowance for 2002 Case 580SM
 w/24" Bucket is \$23,000
 Allowance for 2011 Case TR320
 w/84" Bucket is \$11,000

Steve Costello *Bal* \$113,671

Account Manager's Signature
 This quote is good for 30 days.
 Price is plus applicable tax.

ENGINE

Model	Yanmar 4TNV98CT
Emissions Certification	Tier 4 Final / Stage V
Net horsepower - SAE J1349 @ 2300 RPM:	72 hp (53.3 kW)
Displacement	3.3 L
Cylinders	4-cylinder in line
Cooling	Liquid

DRIVETRAIN

Travel speeds – 2-speed travel w/ auto-shift:	
1st	1.6 mph (2.6 kph)
2nd	3.2 mph (5.2 kph)

ELECTRICAL

Voltage	12 volts
Alternator rating	80 amp
Battery	1 x 12 volts
Battery reserve capacity	100 Ah
Work lights	1 x boom / 1x roof

OPERATOR ENVIRONMENT

Boom, arm, bucket and swing	2 x pilot joysticks
Tracks	2 x pilot levers
Dozer blade	1 x lever
Aux 1	1- or 2-way flow
Electric proportional switch on right joystick	
Aux 2 2-way flow	
Electric proportional switch on right joystick	
Boom swing	
Electric proportional switch on left joystick	
Aux 2/boom swing switch selection on right joystick	

OPERATING WEIGHT

Operating weight with rubber tracks:	20,305 lb (9 210 kg)
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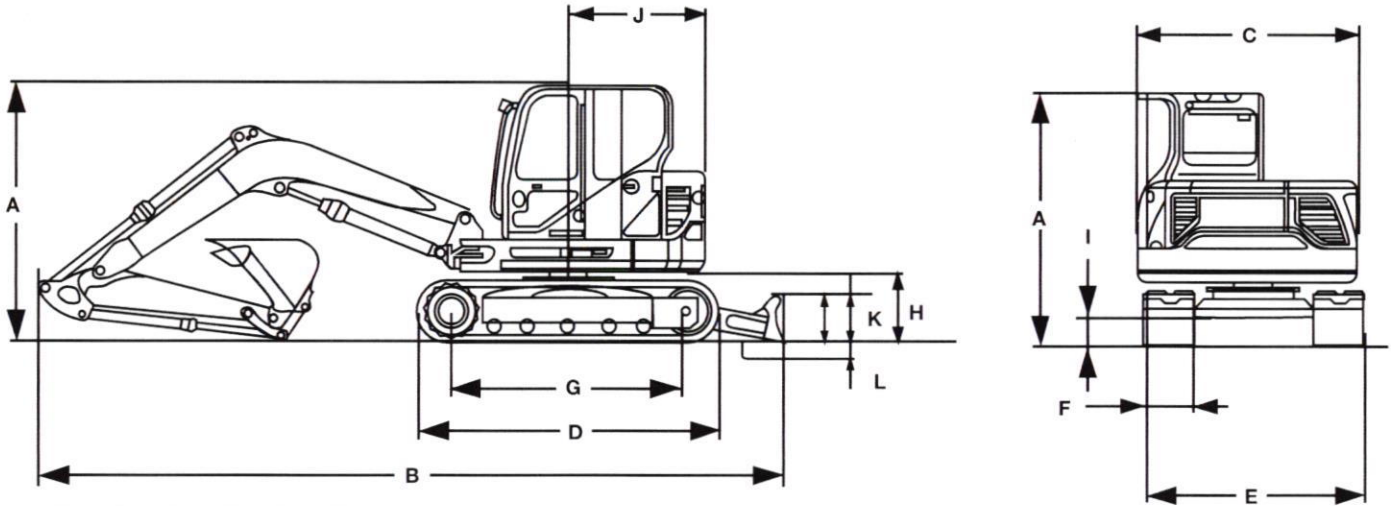
HYDRAULICS

Type	Open Center
Pump type	2 x gear pumps
Max. rated flow total:	50.7 gpm (192 L/min)
Max. system pressure	4,206.1 psi (290 bar)
Aux. 1 rated flow @ 200 bar	42.3 gpm (160 L/min)
Aux. 2 rated flow @ 290 bar	29.1/15.9 gpm (110/60 L/min)
Aux. 3 rated flow @ 250 bar	13.2 gpm (50 L/min)
Slew speed	9.5 rpm
2nd Auxiliary (Aux 2) circuit with	Electro-Hydraulic proportional control

SERVICE CAPACITIES

Fuel tank	28 gal (105 L)
Hydraulic oil tank	22 gal (85 L)
Hydraulic circuit capacity	36 gal (135 L)
Cooling system capacity	6.1 gal (23 L)
Engine oil	2.6 gal (10 L)

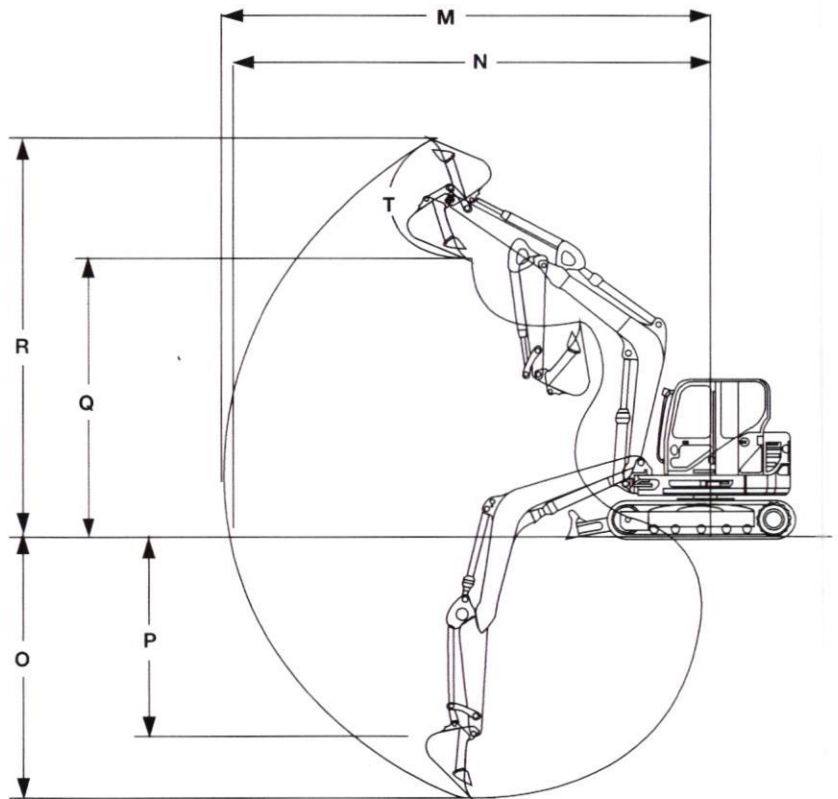




Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

	5 ft 9 in (1.76 m) Arm
A. Overall height	8 ft 10 in (2 680 mm)
B. Overall transport length	22 ft 4 in (3 429 mm)
C. Width of upper structure	7 ft 7 in (2 300 mm)
D. Track overall length	9 ft 6 in (2 896 mm)
E. Track overall width	7 ft 7 in (2 320 mm)
F. Track shoe width	1 ft 6 in (450 mm)
G. Center to center – idler to sprocket	7 ft 7 in (2 303 mm)
H. Upper structure ground clearance	2 ft 4 in (705 mm)
I. Minimum ground clearance	1 ft 2 in (363 mm)
J. Tail swing radius: Standard counterweight	1 ft 9 in (525 mm)
Boom swing	71° left / 54° right
Tail swing overhang: Standard counterweight	5 in (127 mm)



BLADE SPECS

K. Backfill blade rise above ground	1 ft 5 in (440 mm)
L. Backfill blade dig depth	1 ft 4.5 in (420 mm)
Backfill blade width	7 ft 7 in (1 750 mm)

PERFORMANCE SPECS

	5 ft 9 in (1.76 m)	6 ft 11 in (2.11 m)
M. Maximum dig radius	22 ft 7 in (6 880 mm)	23 ft 8 in (7 210 mm)
N. Dig radius at groundline	22 ft 1 in (6 720 mm)	23 ft 2 in (7 060 mm)
O. Maximum dig depth	13 ft 7 in (4 130 mm)	14 ft 8 in (4 480 mm)
P. Vertical straight wall dig depth	9 ft 6 in (2 900 mm)	10 ft 7 in (3 230 mm)
Q. Dump height	15 ft 3 in (4 660 mm)	16 ft (4 880 mm)
R. Overall reach height	21 ft 5 in (6 530 mm)	22 ft 2 in (6 750 mm)
Arm digging force – ISO	9,779 lbf (44 kN)	8,655 lbf (39 kN)
Bucket digging force – ISO	14,163 lbf (63 kN)	14,163 lbf (63 kN)

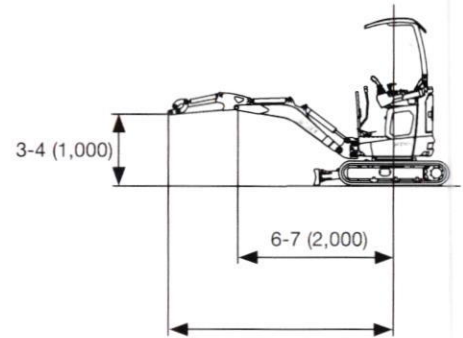
Opening arm from the rotation's center ft-in (mm)
 Lifting capacity in lb (kg) at 3-4 (1,000) height

LIFTING CAPACITY	6 FT 7 IN (2 000 MM)	MAX
Frontal and lowered dozer blade	7,760 lb (3 520 kg)	5,049 lb (2 290 kg)
Frontal and lifted dozer blade	4,652 lb (2 110 kg)	2,646 lb (1 200 kg)
Lateral, open undercarriage	3,770 lb (1 710 kg)	2,183 lb (990 kg)

* Indicates the hydraulic load limit.

The lifting capacity is based on the ISO 10567 and it does not exceed more than the 75% of static tipping load or more than the 87% of the hydraulic lifting capacity of the machine.

Standard arm L = 2-11 (900)
 Long arm L = 3-4 (1,020)



STANDARD EQUIPMENT

ENGINE

- Yanmar 4TNV98CT diesel engine - Tier 4 Final/Stage V compliant
- Dry air filter with drain valve and electric anti-clogging indicator
- Glow plugs for cold weather starting
- Electronic proportional engine RPM control and auto-idle/shut-down
- Programmable hydraulically driven variable speed reversible cooling fan with automatic functionality

ELECTRICAL

- 12-volt electrical system
- Heavy-duty battery
- Battery disconnect switch
- Auxiliary power socket next to operator
- Auxiliary power socket on roof for beacon
- Key start switch
- Horn
- Radio, Bluetooth, USB, and Aux-in (cab only)
- Travel Alarm
- CASE SiteWatch Telematics

UPPER STRUCTURE

- Zero tail swing (with standard counterweight)
- Long arm with thumb bracket
- Pin-on bucket
- Swing boom
- Enclosed cab with ROPS/TOPS/FOPS Level 1
- LED worklights
- LED beacon
- Standard counterweight
- Bucket linkage with lifting hook
- Tiltable Cab (ROPS/TOPS - FOPS Level 1)

HYDRAULICS

- Variable displacement hydraulic pump
- High flow 1-/2-way auxiliary hydraulics (AUX1)
- Low flow 2-way auxiliary hydraulics (AUX2)
- Attachment quick coupler auxiliary hydraulics (2-way I double effect)
- Direct drain to tank auxiliary circuit
- On display control pattern change (ISO/SAE)
- Cylinder guard on boom and dozer blade cylinders
- Mineral based hydraulic oil and lubricants
- On display AUX1, AUX2, and AUX3 flow setup
- On display controls customized sensitivity setup
- AUX1 1-/2-way flow selection button

UNDERCARRIAGE & TRACK DRIVE

- 18" steel shoes with rubber pad tracks
- Retractable tracks/undercarriage
- 2-speed travel with auto shift up/down
- Fully hydrostatic drive system
- Sealed and lubricated track rollers
- Hydraulically adjustable track tensioner (with grease)
- Dozer blade with float

OPERATOR ENVIRONMENT

- Auto climate control A/C and heating
- Adjustable air suspension heated seat with seat belt
- Travel levers with foldable foot pedals
- Joystick steering functionality
- Electro-hydraulic controlled joystick and blade control lever
- Engine throttle dial
- 7-inch LCD display with navigation console
- Warning light indicators
- Visual indicators
- Ignition key that opens all machine panel locks
- Operator's manual compartment
- Rear view camera
- Automatic courtesy light (in-cab/outside)
- Windshield wiper and washer
- 2-piece overhead stowable windshield
- Slide right side window
- Adjustable arm rests
- Cup holder
- Footrests

OPTIONAL EQUIPMENT

ELECTRICAL

Electric refuel pump with auto-stop function

HYDRAULICS

Low flow 2-way auxiliary hydraulics (AUX2)
AUX2 and AUX3 proportional control joysticks with switch button
Object handling kit with hose burst check valves and overload indicator light
Blade safety hose burst check valve
High constant flow 1-way mulching head auxiliary hydraulics
Automatic centralized lubrication
Attachment quick couple auxiliary hydraulics (1-way I single effect)

UNDERCARRIAGE & TRACK DRIVE

18" steel track shoes
24" steel track shoes
Rubber belt tracks
6-way dozer blade with cutting edge, float and dual side foldable extensions

UPPER STRUCTURE

Short arm with thumb bracket
Full range of attachment quick couplers
Full range of buckets
Hydraulic thumb
Biodegradable hydraulic oil and lubricants
Anti-theft system
Additional bolt-on counterweight
Front protection guard (Level 2)
Additional slide-in counterweight (Light)
Additional bolt-on counterweight (Heavy)

OPERATOR ENVIRONMENT

Rear view mirrors

CaseCE.com

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IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

Form No. CCE202504CX90E

Replaces Form No. CCE202502CX90E

CX90E

KF 6, KF 9

Versatility and power are the benefits of the KF 6 and 9. These hammers are available with Kent's unique Switch Hitch™ side plate mounting system for rubber-tired backhoes. An indexing disc inserted in the side plate can be easily changed to accommodate quick couplers for many popular backhoes, including Case®, John Deere® and Caterpillar®. Attachment is as simple as rotating the disc to the OEM center dimension of the carrier then attach the hammer in the normal manner. There's no need for separate OEM specific mounting brackets for each carrier. This design also increases "tuck" for better over the road transport and aids in loading and unloading of the equipment.

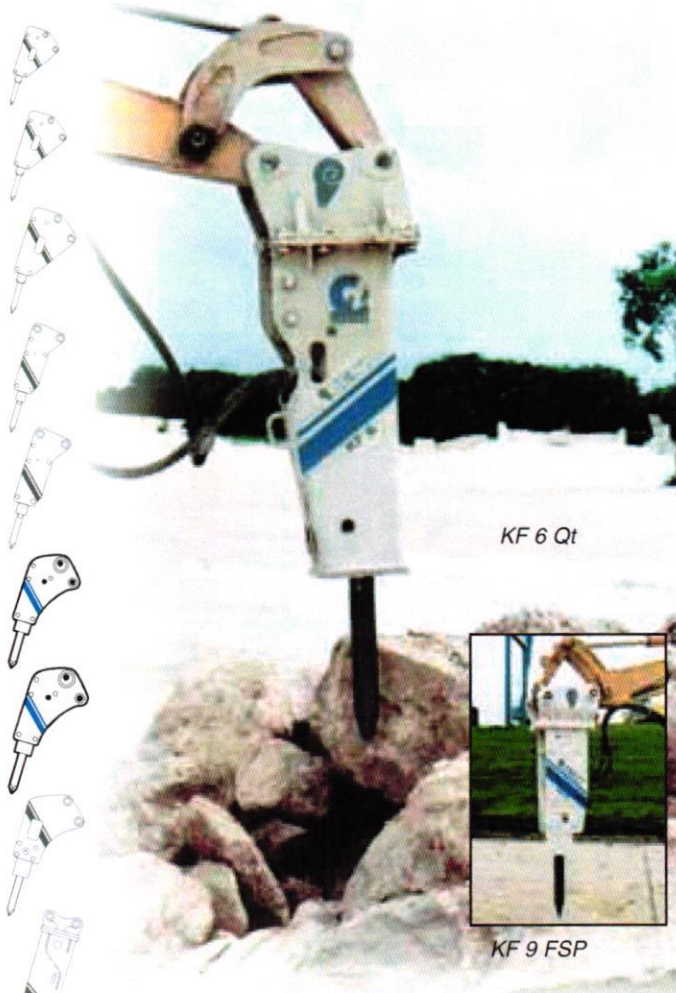
KF 9 TLB

The KF 6 and 9 also comes in the popular Qt version to accommodate work environments that demand a reduced noise level. These mid-size hammers are engineered with a higher back head pressure and larger pistons for an increase in impact energy of 20-30%. The KF 6 is available with a one-piece skid-steer loader bracket for large series skid-steer loaders. All Kent hammers come complete with Kent's exclusive Pro-Pak for ease of installation. The Pro-Pak includes hose whips, mounting hardware, standard working steel and tool kit with operating manual at no additional charge.

KF 6 SS



Switch Hitch mounting allows for greater "tuck" for loading, unloading and transport.



KF 6 Qt



KF 9 FSP

KF 6 KF 9

ENERGY RATING SPECIFICATIONS	MODEL	
	KF 6	KF 9
AEM Tool Energy Rating in Ft. Lbs. (Joules)	475.9 (645.3)	754.8 (1,023.4)
AEM Tested Striking Rate BPM	1,454.40	867.60
AEM Tested Flow Rate GPM (LPM)	32.08 (121.44)	29.33 (111.03)
AEM Tested Supply Line Pressure PSI (Bar)	2,256.64 (155.59)	2,108.85 (145.40)
AEM Tested Return Line Pressure PSI (Bar)	390.1 (26.91)	82.7 (5.71)

Calculated in accordance with the AEM Measuring Guide for Tool Energy Rating for Hydraulic Breakers developed by the Mounted Breaker Manufacturers Bureau of the Association of Equipment Manufacturers. This Mounted breaker is certified to comply with the above standard.

The registered trademarks of Case, John Deere and Caterpillar are the property of Case, John Deere and Caterpillar

Kent's policy is one of continual improvement. Specifications may change between printing.



Impact Energy Class	KF 6 1000 ft. lbs.	KF 9 1500 ft. lbs.
Weight in Lbs. (kg)		
TLB Version	700 (317)	1,120 (508)
SS Version	939 (426)	n/a
FSP Version	875 (397)**	1,221 (554)**
Qt Version	958 (434)**	1,403 (636)**
Length in Inches (mm)		
TLB Version	57 (1,448)	63.25 (1,606)
SS Version	63 (1,600)	n/a
FSP Version	56.5 (1,435)**	75.5 (1,918)**
Qt Version	55.25 (1,403)**	74.5 (1,892)**
Adjustable BPM	650 - 1,500	550 - 900
Acceptable GPM Range (LPM)	13 - 40 (50 - 150)	17 - 30 (65 - 114)
Acceptable PSI Range (Bar)	1,450 - 2,320 (100 - 160)	1,700 - 2,150 (120 - 150)
85 dB(A) Qt version @:	10-meters	11-meters
Working Steel Diameter in Inches (mm)	3 (76.2)	3.5 (90)
Working Steel:		
new length measured from fronthead (in)	17.75	19.5
replaceable length measured from fronthead (in)	12.25	13.75
Recommended Carrier in U.S. Tons	6 - 7	7 - 10

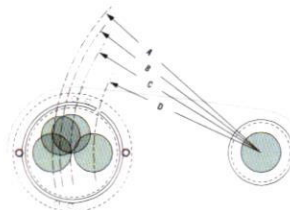
Notes: 1. Weights and lengths for all versions include working steel
2. All weights and lengths for FSP and Qt versions marked ** include a "Universal" Top Cap

Features and Benefits:

- Increase in back head pressure and larger diameter piston results in 25% greater impact energy
- Longer thrust bushing improves piston alignment during impact and incorporates grease holes to evenly distribute grease in the front head
- CD designed side bolt threads provide even load distribution and greater surface contact between the nut and bolt reducing the chances of thru-bolt failure
- Increased front head wall thickness for added service life

All Kent hammers come complete with Kent's exclusive Pro-Pak for ease of installation. The Pro-Pak includes hose whips, mounting hardware, standard working steel, tool kit and operating manual at no additional charge.

Switch Hitch alignment diagram



A = CAT® 416 B/C, 426 B/C, 436 B/C
B = CASE® 580, 590; JOHN DEERE 310, 410, 510 C/D
C = CAT® 416 D, 420 D,
D = JOHN DEERE® 310 SE/SG, 410 E/G



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KF6,9-3M-03

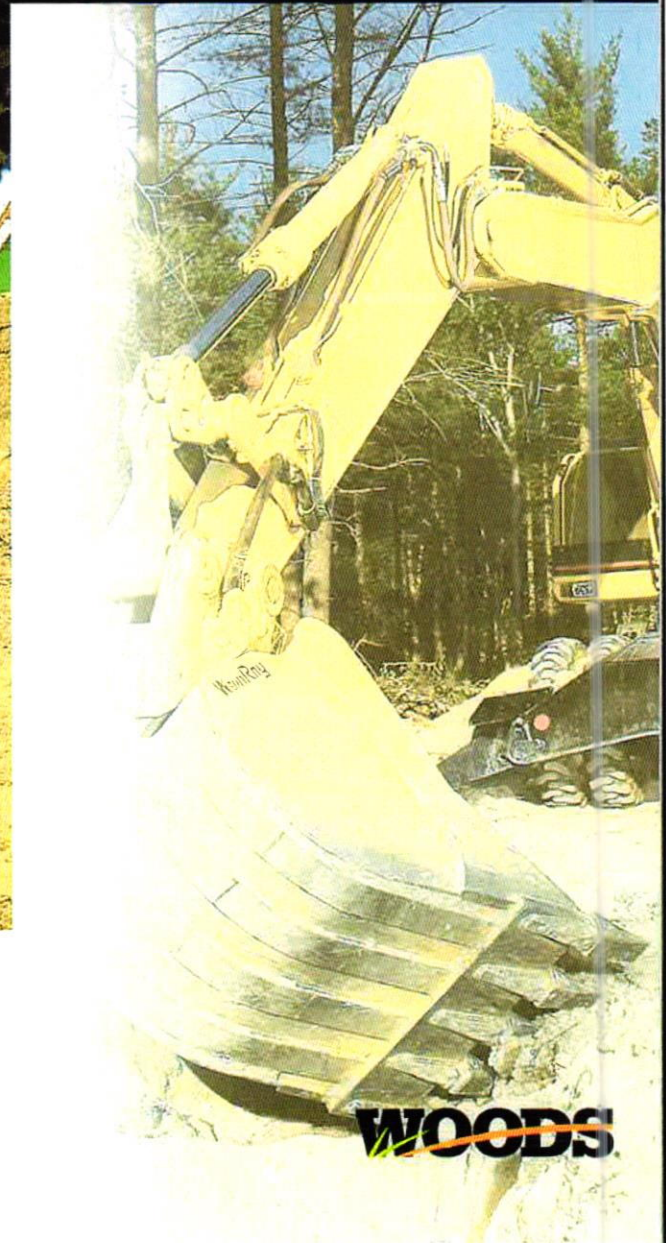
WAIN ROY® SWINGER® COUPLER SYSTEM

featuring

SERIES 2XLS
WAIN ROY EXTENDED LIFE SYSTEM



**HYDRAULIC
SIDE ANGLE COUPLER
SYSTEM**



WOODS



OVERVIEW- SIDE ANGLE COUPLER

The hydraulically-rotated side angle coupler is designed to maximize the tool handling capability of tracked and rubber tired excavators and standard and extendible-stick tractor-loader-backhoes while retaining the efficient mounting characteristics of rigid style quick change coupler systems.

The side angle coupler allows the attachment to be maneuvered laterally up to a total of 90° providing a greater degree of flexibility, precision, and control over a number of applications and conditions. Even in the most common tasks the increased maneuverability of the attachment can extend productivity and efficiency by requiring that the machine be repositioned less frequently.

The side angle coupler accepts a variety of common attachments including ditching, grading, v-ditching, trenching and Jaw® buckets. In addition it accepts grapples, hydraulic breakers, vibratory compactors and single point rippers for use in a wide range of construction, excavation and demolition applications.

Ditching, grading and trenching.

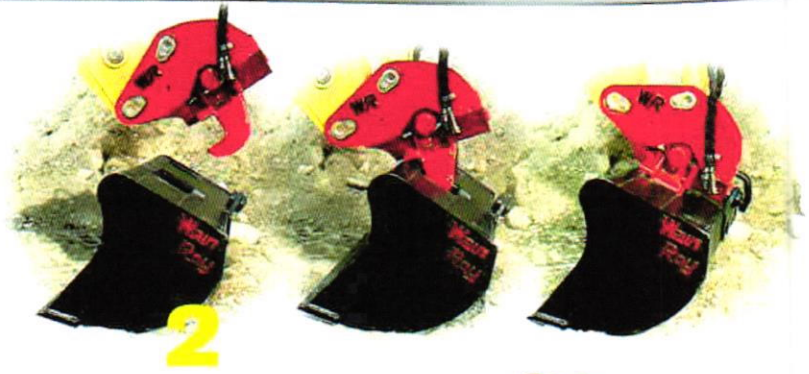
The side angle coupler is especially well suited to applications on a berm or an embankment as well as ditching, grading, or trenching operations requiring angling or digging underneath fixed objects as in laid pipe or underground tanks.

Demolition and clearing.

A side angle coupler allows accurate maneuvering of hydraulic breakers to break up small material. Also, with Jaw® or grapple attachments, easily separate excess soil from tree roots or separation of concrete from rebar prior to disposal.

Landscaping.

With a side angle coupler the bucket can be tilted to more evenly pour and distribute material. Utilize this coupler system with a grapple or Jaw® bucket, to precisely place plantings and rocks.



SHORTER
TIP RADIUS
3



4-5
PROTECTED
HYDRAULICS

Recognized as the industry leader in rigid quick change coupler systems, the Wain Roy® brand is renowned for innovation and reliability. The Wain Roy Swinger® side angle coupler is no different, designed to provide the same rugged level of service, the same innovative technology and the same time saving benefits as our rigid system in a horizontally articulated side angle coupler.

Series 2XLS technology.

Groundbreaking and revolutionary, the Wain Roy Swinger coupler system utilizes Series 2XLS technology, a patented fulcrum plate design that significantly reduces the destructive free-play between coupler and attachment and allows precise refitting with simple hand tools.

Efficient.

A quick change coupler, the Swinger system allows for the easy attachment of a variety of productive tools to your machine in minutes, making multiple accessory changeovers a simple task.

Universal.

Each of our versatile quick attach tools is designed to smoothly fit up with any brand or model machine equipped with a Wain Roy Swinger.

specifications

1/4 yard	11K - 16K lbs. Backhoe/Excavator	225 - 275 coupler lbs.
	Recommended Hydraulic Requirements	10 - 15 GPM, 3,500 PSI max
1/2 yard	16K - 30K lbs. Excavator	400 - 500 coupler lbs.
	Recommended Hydraulic Requirements	10 - 15 GPM, 3,500 PSI max
3/4 yard	30K - 60K lbs. Excavator	800 - 1,000 coupler lbs.
	Recommended Hydraulic Requirements	10 - 15 GPM, 3,500 PSI max

Machine matched hydraulic kits are available for select models, please contact your Woods Dealer Services Representative for details.

1

90°
SWING



DITCHING
BUCKET



RIPPER
BUCKET



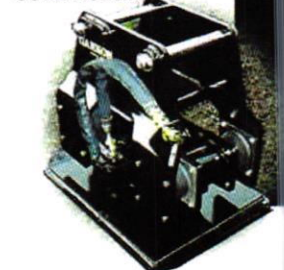
GRAPPLE



JAW
BUCKET



COMPACTOR



WAIN ROY SWINGER® COUPLER SYSTEM applications & attachments

features

1 The Swinger allows an operator to rotate the attachment up to a total of 90° for greater control and flexibility across many common applications.

2 All Wain Roy brand couplers are designed to make multiple tool changeovers quick and easy.

3 A short tip radius design allows for significant digging forces.

4 The exclusive design features stationary external hose connections which eliminate binding or pinching. The hydraulic cylinder is positioned to minimize movement and provide protection from debris and is uncomplicated in design for easy maintenance.

5 While the new Series 2XLS style hook is up to 40% stronger than prior designs, it is engineered to continue to fit older model attachments.

Use in landscape and golf course maintenance for effective operation on berms, hills and embankments. Use in utility contracting to dig underneath laid pipes. Use to excavate foundations and swimming pools, clean canals, or finish grade. The Swinger coupled with a **Wain Roy ditching**, grading, hi-cap, trenching or **Ripper Bucket®** is a highly versatile combination.

Angle the bucket and use the corner to break up frozen or compacted ground. When pouring material, angle the bucket to achieve finer placement and more even distribution.

Pull stumps and shake off excess dirt, clear roads, separate rebar from concrete, or precisely place stones, pipe, or plantings with the Swinger coupler and a **Wain Roy Jaw®** hydraulic grapple.

A Gannon® brand **vibratory driver/compactor** and Swinger coupler combination facilitates positioning of compactor in trench compaction and post driving applications.