

H&S

RUNNING GEARS AND CHASSIS



PLUS...
3 MODELS OF
CHASSIS NOW
AVAILABLE!

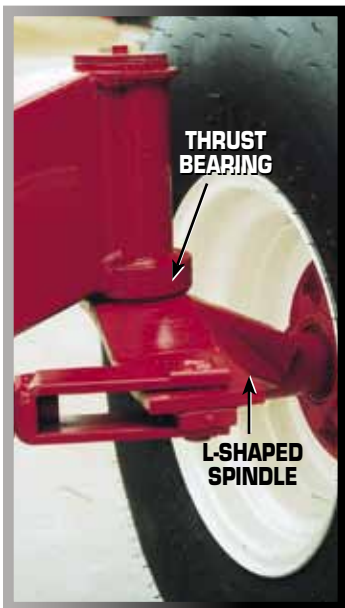
12 MODELS OF
RUNNING GEARS
AVAILABLE!

SUPERIOR Construction and Performance on ALL MODELS!



MODEL 410 - 10 TON

H&S models **406, 408, 410, 412, 415, 612, 614, and 617** have **L-shaped front spindles** with structural bracing to withstand high stresses from shock loads. The H&S heavy running gears – models **415 through 622** – utilize **thrust bearings** to assure dependable, smooth turning and straight trailing.



Full Contact Turn Stops distributes the pressure exerted in tight dragging turns along the bolster face – this reduces the possibility of bunk damage or collapse.

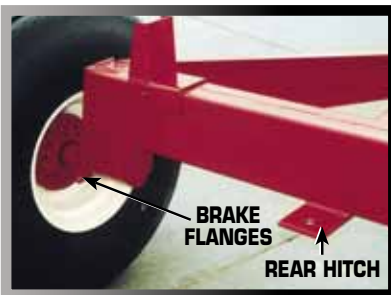


The **tele-pole** is made of structural tubing and the mounting plates have wide spacing between them to reduce sway and increase the strength of the pole.

King Pin, Hitch Pin, Spindles, Tie Rod Ends and Tie Rod Steering Pivot Point are all wear protected by replaceable oil impregnated steel bushings and are greaseable as well.



The H&S models **416, 417, 420 and 622** utilize a T (□) style spindle assembly, and use truck type steering because of increased torque loads that result from the use of wide flotation or truck tires.



All H&S 4 wheel models (except the 406) have a rear hitch.

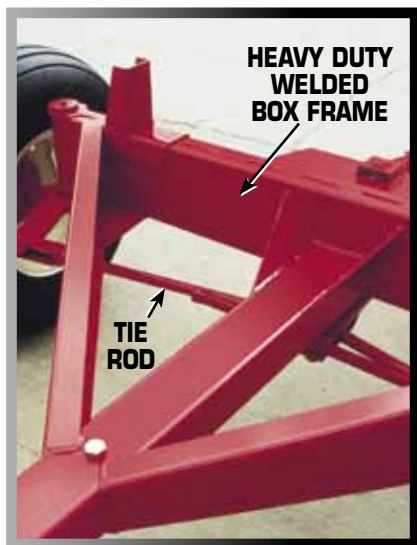
Running gears from **12 ton on up** have 4-bolt brake flanges as standard equipment so that optional hydraulic surge brakes may be installed.



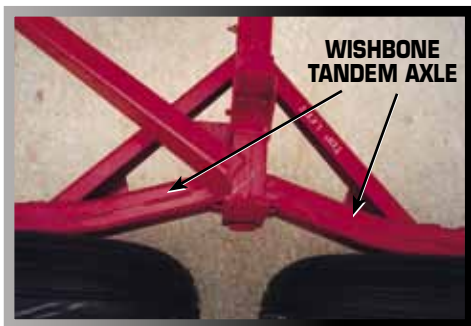
Maximum Flexibility • S



MODEL 612 - 12 TON



The **tie rod** is positioned behind the bolster on all models and is a one-piece design that reduces the number of wear point that could change the toe-in and tracking.



H&S models **612** and **614** have a **wishbone** design tandem axle to reduce mud build-up and clogging.



A **rocking bolster** is standard on the **416** running gear.

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MODEL 415 - 15 TON



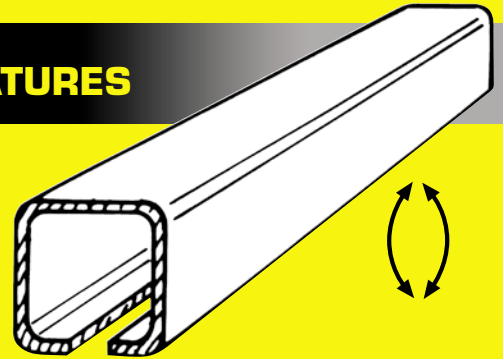
Straight Trailing • Rugged Dependability • Wide



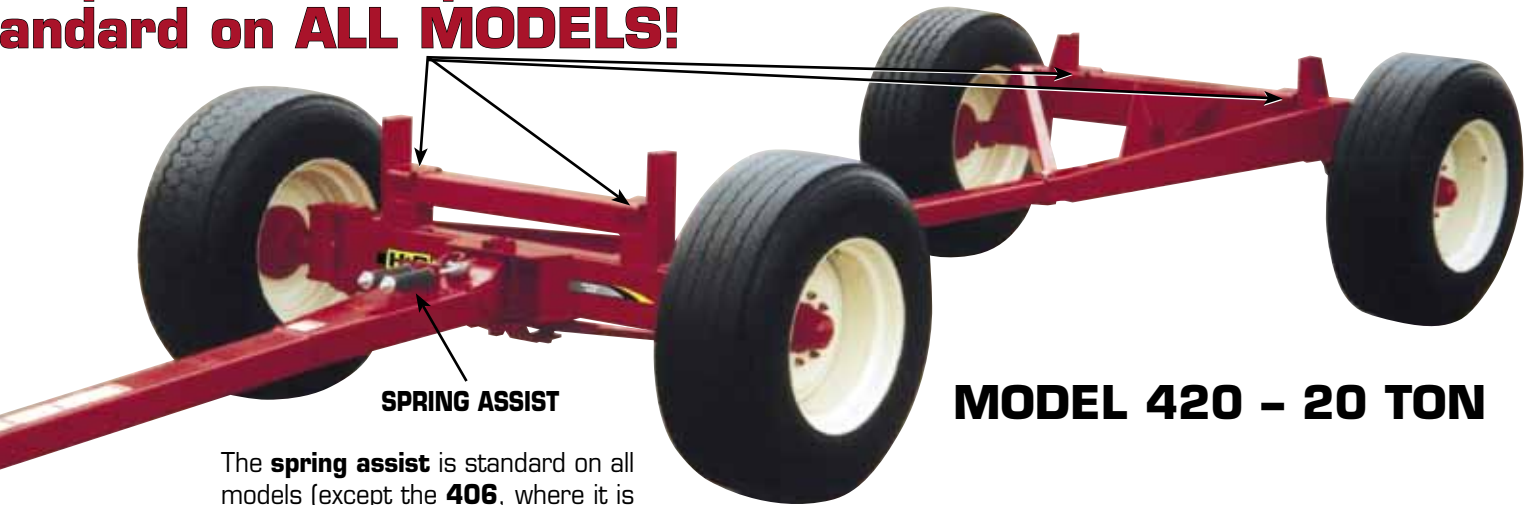
C SECTION REACH FEATURES

C SECTION REACH FEATURES

- No rotating collars or moving parts to wear out.
- The Square C-Section Reach provides both strength and flexibility.
- Torsional flexibility without rotating collars.



**Like pocket wear plates
standard on ALL MODELS!**



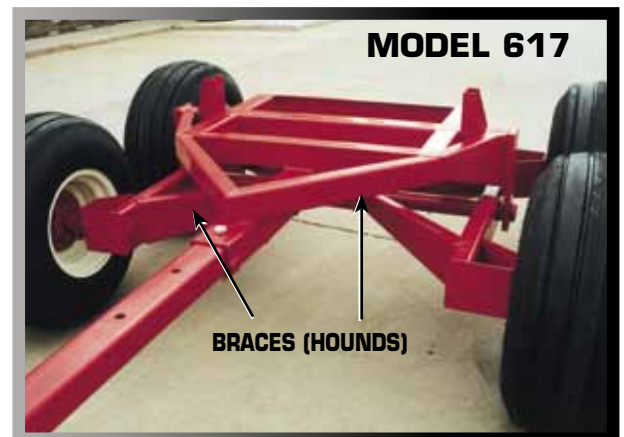
SPRING ASSIST

MODEL 420 - 20 TON

The **spring assist** is standard on all models (except the **406**, where it is optional) and it is adjustable from a light assist to full support.



MODEL 617 - 17 TON



MODEL 617

BRACES (HOUNDS)

The model **617** rear incorporates a boxed type bolster support. All H&S running gears utilize heavy duty full depth bolster support **braces (hounds)**.

Track Stability • Over-Built Construction

CHASSIS

MODEL WBOC4 - 18/20 - 16 TON



The H&S WBOC4-18/20 chassis w/385 x 22.5 truck tires is manufactured for use under the 18' rear unload, 18' front and rear unload and 20' rear unload industrial forage boxes.



H&S trailer chassis feature heavy gusseted box style framing for superior strength and oscillating tandem axles for flexibility.

MODEL WBOC4 - 22/24 - 22 TON

Featuring 10 Bolt hubs and 425 x 22.5 truck tires, the H&S WBOC4-22/24 chassis is ideal for the 20', 21' & 22' front and rear unload industrial forage boxes and 20', 22' & 24' Wide Body forage boxes.



MODEL WBOC4 - 24/26



Shown with optional 600/50x22.5 truck tire.



Model WBOC4-24/26 is adjustable to weight balance 22', 24' & 26' forage boxes.



Greasable Swivel Hitch comes standard on WBOC4 - 24/26.



H&S WBOC4 - 24/26 Chassis can accommodate 22', 24' & 26' front and rear unload industrial forage boxes and 22', 24' & 26' Wide Body forage boxes.

ASAE Stress Tested

SPECIFICATIONS

MODEL	CAPACITY	WEIGHT W/TIRES	TREAD WIDTH	SPINDLES	HUBS	BOLSTER	C-REACH	WHEEL BASE	STANDARD WHEEL	WHEEL OPTIONS	BRAKES	BACK HITCH	TELESCOPING POLE
SINGLE AXLE													
406	6 TON	732# w/9.5L	74"	1 3/4"	6 BOLT	3" x 6"	10 GAUGE	119"	15 x 6	N/A	N/A	N/A	77"
408	8 TON	902# w/11L	74"	1 3/4"	6 BOLT	3" x 6"	8 GAUGE	TO 159"	15 x 8	N/A	N/A	YES	FIXED,
410	10 TON	1126# w/12.5L	80"	2"	6 BOLT	3" x 8"	7 GAUGE	in 10"	15 x 10	N/A	N/A	YES	EXTENDS TO 89"
412	12 TON	1190# w/12.5L	80"	2 1/4"	8 BOLT	3" x 8"	7 GAUGE	increments	15 x 10	16.1 x 11 22.5 x 8 22.5 x 13.5	OPT. HYD. SURGE	YES	
415	15 TON	1520# w/16.5L	80"	2 3/4"	8 BOLT	4" x 8"	" WELDMENT		16.1 x 14	22.5 x 8 22.5 x 13.5	OPT. HYD. SURGE	YES	
416	16 TON	1890# w/16.5L	80"	2 3/4"	8 BOLT	4" x 8" W/ROCKING BOLSTER	" WELDMENT	119" TO 179"	16.1 x 14	22.5 x 8 22.5 x 13.5	OPT. HYD. SURGE	YES	FIXED
417	17 TON	2100# w/19L	87"	3"	8 BOLT	4" x 8"	" WELDMENT	in 10"	16.1 x 16	16.1 x 14 22.5 x 8 22.5 x 13.5	OPT. HYD. SURGE	YES	AT 89"
420	20 TON	3440# w/TRUCK TIRES	86"	3"	10 BOLT	4" x 10"	" WELDMENT	increments	16.1 x 18 or 22.5 x 13.1	N/A	OPT. HYD. SURGE	YES	

TANDEM AXLE													
612	12 TON	1524# w/12.5L	80"	2"	6 BOLT	3" x 8"	7 GAUGE	119" TO 159"	15 x 10	N/A	N/A	N/A	77" FIXED, EXTENDS TO 89"
614	14 TON	1620# w/12.5L	80"	2 1/4"	8 BOLT	4" x 8"	7 GAUGE	in 10" increments	15 x 10	16.1 x 11	OPT. HYD. SURGE	N/A	
617	17 TON	2480# w/16.5L	80"	2 3/4"	8 BOLT	4" x 8"	3/8" WELDMENT	119" TO 179"	16.1 x 14	N/A	OPT. HYD. SURGE	N/A	FIXED AT 95.5"
622	22 TON	3580# w/21.5L	87"	3"	8 BOLT	4" x 8"	3/8" WELDMENT	in 10" increments	16.1 x 18 or 22.5 x 13.5	N/A	OPT. HYD. SURGE	N/A	FIXED AT 89"

MODEL	CAPACITY	WEIGHT W/TIRES	TIRE SIZE	TREAD WIDTH	SPINDLES	HUBS	STANDARD WHEEL	BRAKES	BACK HITCH	JACK
CHASSIS										
WBOC4-18/20	32,000#	N/A	385 X 22.5 TRUCK TIRES	90"	3" STRESS PROOF	8 BOLT	22.5X 13.5	N/A	N/A	STANDARD
WBOC4-22/24	44,000#	N/A	425 X 22.5 TRUCK TIRES	90"	3" STRESS PROOF	10 BOLT	22.5 X 13	N/A	N/A	STANDARD
WBOC4-24/26	48,000#	7150#	425 X 22.5 TRUCK TIRES 600/50X22.5 FLOATATION TIRES	100"	3" STRESS PROOF	10 BOLT - 12,000#	22.5 X 13	OPTIONAL	N/A	STANDARD

Warranty: See operators manual for warranty details and limitations. H&S reserves the right to change its products or the description at any time without notice or obligation.



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Models and specifications are to change without prior notice.

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