

WEIGHT IS 20% LESS THAN AR450 3/16" BODIES WITH THE SAME STRENGTH

TUFF CLASS 8 DUMP BODIES ARE MADE OF STEEL, STRONG, AND MEANT TO LAST

- Elliptical Dump Body
- Trunnion Mounts Hoist
- Hardox 500 Tuf front, tub, and tailgate
- 10 ga. fenders with step
- 1/4" x 2" x 8" long sills, 1/4" x 4" x 4" crossmembers, and 4" x 6" top rail
- Sand-blasted, zinc-coated, and powder-coated to your specifications
- Dual air cylinder tailgate latches
- 1-piece wire harness with Deutsch connectors
- 5-in-1 tail light (stop, turn, tail, reverse, strobe)

1(888) 551-7028 | (319) 730-3800 | www.tufftruckbodies.com

550 60th Ave. SW, Cedar Rapids, Iowa 52404 | Fax (319) 730-3805

TS AVENGER

13 AVENGER	
Body Length	15'-21'
Side Height	48"-60"
Tailgate Height	54"-66"
Tailgate Panels	2-4-6
Highlift Tailgate	Optional
Sloping Tailgate	Optional
Internal Doghouse	Optional
Material Options	4 mm 500 Tuf 3/16" 500 Tuf
Approx. Weight (17.5 Shown)	4mm 4,250 lbs. vs 3/16" AR 450 5150 lbs. (body weight)
	3/16" 5,150 lbs. vs 1/4" AR 450 6140 lbs. (body weight)





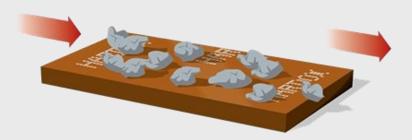
UPGRADING TO THINNER HARDOX® 500 TUF



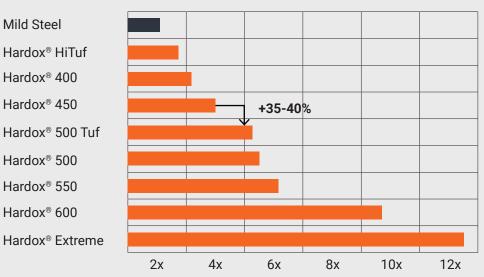
WEARCALC SIMULATIONS

Wear simulations with SSAB's proprietary WearCalc show the estimated increase in service life for sliding wear with granite.

Hardox [®] grade	Increase in relative service life
Hardox [®] 400 → 500 Tuf	+85-100%
Hardox® 450 → 500 Tuf	+35-40%



Relative Service Life



SSAB

MECHANICAL PROPERTIES

Hardox® grade	HB Nominal
Hardox® 450	450 (425-475)
Hardox® 500	500 (470-530)
Hardox® 500 Tuf	490 (475-505)

VEHICLE USEAGE PER YEAR:

• 62,000

SERVICE LIFE:

6 years (worn out when 2 mm is left)

FLOOR PLATE THICKNESS OF TRADITIONAL HARDOX® 450 TIPPER:

• 1/4"

FLOOR PLATE THICKNESS OF NEW HARDOX® 500 TIPPER:

• 3/16"

END USER

WEIGHT SAVINGS:

• 1,150 lbs.

INCREASED SERVICE LIFE:

· +10%

ANNUAL FUEL SAVINGS:

• 60 gal

ANNUAL CO₂ SAVINGS:

• 1,726 lbs