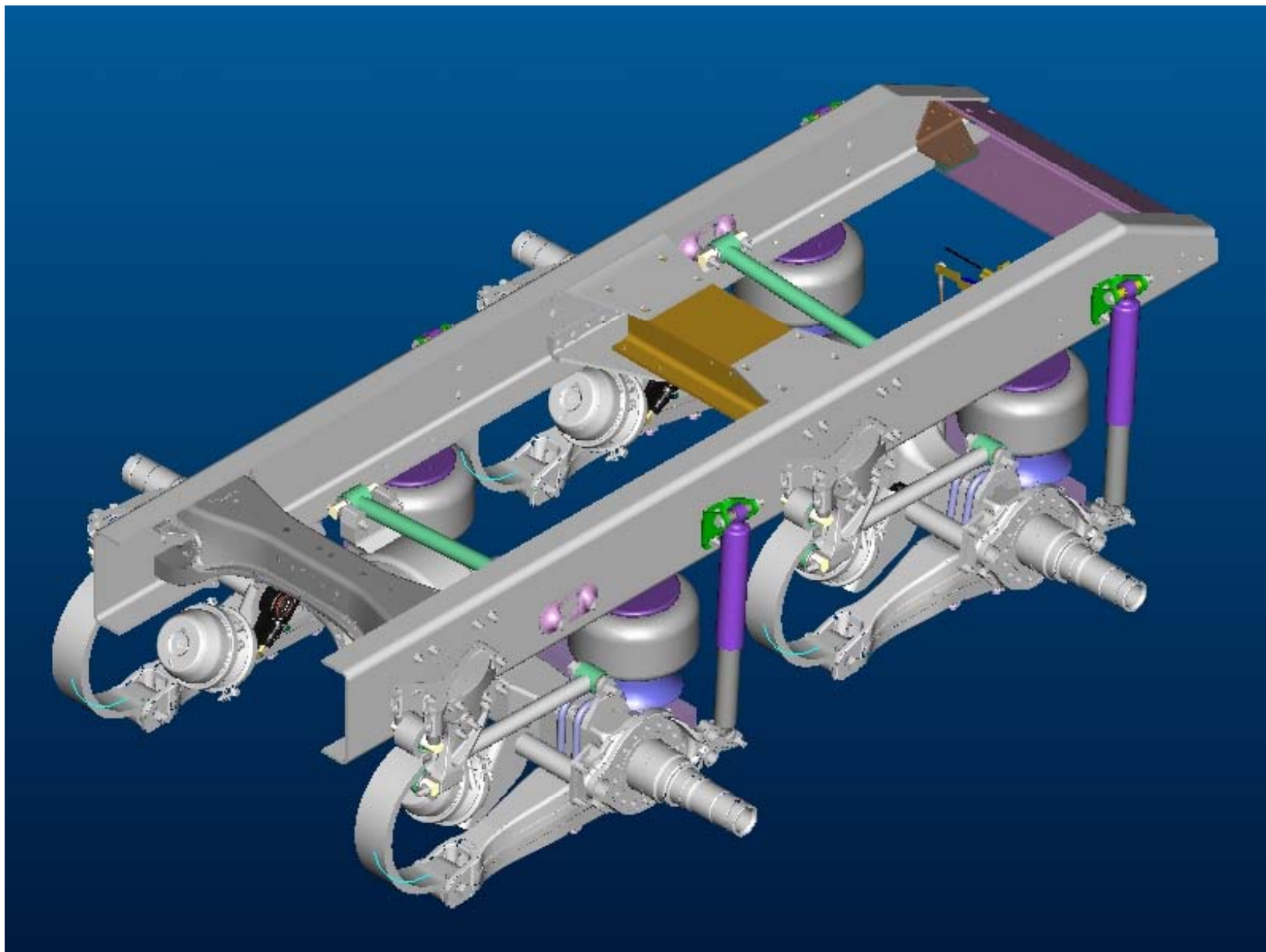


¹Kenworth AG380 Lightweight Air Beam Suspension



¹ Shown: 6743116 Tractor taper bent & welded with heavy-duty crossmember is not included with suspension code.
TE-1177 Revision 3/22/02 Addendum



Product Information

KENWORTH AG380 LIGHTWEIGHT SUSPENSION INTRODUCTION

Number: TE-1177
Date: March 27, 2002
Supersedes: TE- 1177 3/18/02
Valid Until: Superseded

New Kenworth Lightweight Air Beam Suspension in Production

Kenworth is pleased to announce full production availability of the new Kenworth lightweight air suspension AG380 effective June 3, 2002. The AG380 is designed as a lightweight, combination air and trailing arm suspension for dual rear axle configurations, with a 38,000-lbs. rating. It is targeted to Linehaul and Pickup-and-Delivery customers with 100 percent on-highway use.

The AG380 suspension will be published in the next edition of PROSPECTOR®. In addition, there are a limited number of AG380 suspensions available on a first come basis between April 1st and the June 3, 2002 production date. Until the sales code is published, the suspension can be ordered using the unpublished option feature in PROSPECTOR.

Note also that the AG380 has minimum end-of-frame (EOF) cut-off lengths that are in general longer than those available with an AG200. For parameters see the Constraint section below.

Sales Code	Description	Models	Net Weight (lbs.)
3730050	AG380 38K dual, 52" AS, 8.5" ride height	T2000, T600, T800, W900	- 351

Application Constraints

Available in these applications:

- *Intended Service:* Linehaul, Local Pickup & Delivery
- *Trailer Type:* Van, Flatbed, Automobile Carrier, Reefer Van and Tank
- *Body Type:* Tank, Van, Beverage, and Flatbed
- For operation on Class A and B roads
- Maximum GCW of 80,000 lbs.
- Maximum engine rating of 1650 lb. ft. torque
- Transmission overdrive ratio 0.73 fastest

Application Constraints (Continued)

- On a W900, requires a 5" drop steer axle
- Available rear axle ratio with an engine up to
 - 1350 lb.-ft 4.63 slowest
 - 1450 lb.-ft 4.33 slowest
 - 1550 lb.-ft 3.90 slowest
 - 1650 lb.-ft 3.70 slowest
- Not available with the following:
 - Lifiable, pusher or tag axles
 - Steel 10-1/8", 11-5/8", or aluminum rails, frame inserts or outserts
 - Axles rated 46,000 lbs. or greater
 - Bendix auto slack adjusters, extended cam tubes, Huck bolts, dual height control valves or chassis air lines that are wirebraid or covered wirebraid
 - Hogebuilt frame-mounted quarter fenders (3734003 and 6734008)

(Continued Below)

Application Constraints (Continued)

- **End of frame configuration and mudflap arm parameters:**

The following chart shows the minimum (shortest) cut-off available for the EOF configuration and mudflap bracket combination.

For example, if the customer wants EOF configuration 6745270, bent and welded with a crossmember, and is using B-25 mudflap arms, then 64" is the shortest cutoff that can be spec'd.

		MUDFLAP OPTIONS					
Sales Codes	EOF CONFIGURATION	6721100, 6721106, 6721108, 6721110, 6721118	6721124	6721180	6721146, 6721144, 6721142	6721162, 6721164, 6721166, 6721168	6721190
		B-23, 25, 29, 33, 35, 84	B-67	Swivel-King	FF30SSB FF30SS FF30P	FB27	Nuline NL306
6743116	Tractor taper bent & welded with heavy duty crossmember	56"	59"	61"	60"	59"	61"
6743109	Tractor taper with heavy duty crossmember	56"	59"	61"	60"	59"	61"
6745270	Top flange of rear frame bent & welded with crossmember	64"	64"	66"	65"	64"	68"
6746131	Top flange of rear frame bent & welded without crossmember	64"	64"	65"	65"	64"	68"
6743111	Tractor taper with crossmember	64"	64"	66"	65"	64"	68"
6744121	Tractor taper without crossmember	64"	64"	65"	65"	64"	68"
6744123	Short tractor taper bent & welded without crossmember	62"	60"	62"	61"	62"	62"
6744122	Short tractor without crossmember	62"	60"	62"	61"	62"	62"
6742009	Square EOF cut-off without crossmember	62"	60"	62"	61"	62"	60"

Features and Benefits

Features

- Configuration Tandem rear axle
- Mounting height 8.5"
- Rated capacity 38,000 lb.
- Axles Dana DSP 40/41, DSH40
Meritor RT40/41-145, Meritor RT44-145
- Axle spacing 52"
- Leveling valves One
- Fwd pinion angle 2 degrees
- Shock absorbers Standard
- Frame rails 10-5/8" - 10-3/4" steel
- Slack adjusters Haldex, Meritor, Gunit

Benefits

- Light weight: 75 to 300 lbs. less than comparable air suspensions for more payload
- Low ride: 8.5" ride height for more cube capacity
- Good roll stiffness
- Rubber bushings at pivot points
- Easy to service for reduced maintenance cost
- No lubrication required for reduced maintenance time
- Axle seat welds eliminated for easier axle alignment and pinion angle adjustment

Maintenance & Service

Service and maintenance information for the AG380 suspension will soon be available in the operator's manual and the maintenance manual on ServiceNet.

If you have further questions, please contact Chris Harvey, Kenworth Marketing at 425-828-5725.