

INFORMATION

Spring Axle Measurement	2.3K - 3.5K Dexter Torflex Axles Assembly #10
2K Dexter Sprung Axles Assembly	4K - 6K Dexter Torflex Axles Assembly #11
3.5K Dexter Sprung Axles Assembly	5.5K - 7K Dexter Torflex Axles Assembly #12
5.2K - 6K Dexter Sprung Axles Assembly	5.5K - 7.2K Dexter Torflex Axles Assembly #12V
7K Dexter Sprung Axles Assembly	8K Dexter Torflex Axles Assembly #13
7.2K Dexter Sprung Axles Assembly	9K - 10K(GD) Dexter Torflex Axles Assembly #T100 GD
8K Dexter Sprung Axles Assembly	9K - 10K(HD) Dexter Torflex Axles Assembly #T100 HD
9K Dexter Sprung Axles Assembly	8K AL-KO D80 & T80 Leaf Spring Axles Assembly
10K (General Duty) Dexter Sprung Axles Assembly	10K AL-KO Running Gear Assembly (General Duty)
10K (Heavy Duty) Dexter Sprung Axles Assembly	10K AL-KO Running Gear Assembly (Heavy Duty)
12K Dexter Sprung Axles Assembly	12K AL-KO Running Gear Assembly
15K Dexter Sprung Axles Assembly	16K AL-KO Running Gear Assembly
20K - 27.5K Dexter Sprung Axles Assembly	Rubber Suspension Axles
Torflex Suspension System	500 - 2.2K AL-KO Rubber Suspension Axles
Torsion Axle Options	2K - 3.5K AL-KO Rubber Suspension Axles
600 - 1K Dexter Torflex Axles Assembly #8	4K - 7K AL-KO Rubber Suspension Axles
1.1K - 2.2K Dexter Torflex Axles Assembly #9	8K with 89 Spindle AL-KO Rubber Suspension Axles



Information

Hubs
& AxlesBrake
AssembliesSuspensions
& FastenersTires &
WheelsCouplers
Jacks &
WinchesHitches &
Towing
AccessoriesBody
Components

Trailer Parts

Lights &
ElectricalLocks &
Cargo ControlBrake
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The following information will help you make a selection of axles and running gear from our wide range of choices. Call our salespeople for assistance in choosing the right products.

How to Select Axles and Running Gear

How do You Determine the Gross Vehicle Weight (GVW)?

When building a trailer, the total Gross Vehicle Weight (GVW) must be determined in order to select the right axle or axles for the application. GVW includes the weight of the empty trailer and the weight of the intended cargo. (Example: 2,000 lbs empty trailer weight + 8,000 lbs cargo = GVW of 10,000 lbs)

How Many Axles?

After determining the GVW, the number and capacity of the axles must be selected. For example, if you want 10,000 lbs GVW and want tandem axles, the minimum required capacity is 6,000 lbs per axle.

Brakes?

First, determine if you want brakes on each axle. Most states require by law that at least one axle has brakes. Some states require that all axles have brakes. To determine how many brakes are necessary in a state, contact the local Department of Motor Vehicles. Second, determine what type of brake you prefer: Electric, Hydraulic Single-Serve, Hydraulic Free-Backing, Hydraulic Duo-Serve, Hydraulic Disc or Air "S" Cam Brakes.

Which Type of Spindles Are Going To Be Required?

Straight spindles are used mostly when the bed is over the tires or when low ground clearance is not required. Examples are flat beds, pull-type utility trailers, etc. Drop spindles are used when the lowest possible ground clearance is desired. Examples are Livestock and Horse Trailers, Car Haulers, Enclosed Cargo Van Trailers, etc.

What Are the Spring Centers?

Spring Centers are the CL (centerline) measurement of the Spring Mounting Pads on the axle. Spring centers are usually matched to the approximate frame width of the trailer.

Which Bolt Pattern?

The Bolt Pattern of the axles can vary depending on the capacity of the axle. The Bolt Pattern also determines what type tire and wheel can be used. If there is a specific tire and wheel you would like to use, please relay that information so we can help you to determine the proper bolt pattern and axle.

What is the Length of the Axle?

The next step is to determine the length of the axle. Of the several ways and industry terms to describe this procedure, the most popular term is "Hub Face," which is the measurement from the base of the wheel stud to the base of the wheel stud on the opposite end of the axle. Another term frequently used is "Track". Track is the center of the tire to the center of the opposite tire. This measurement varies depending on what type of wheel is used, because each type of wheel (White Spoke, O.E.M., Custom) could have a different offset, changing the tire center.

Which Type of Springs?

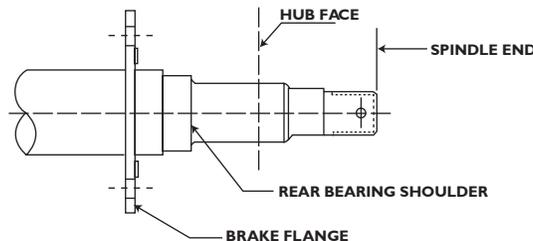
There are two basic types of springs to choose from: Double Eye or Slipper Springs. Double Eye Springs are used with the shackle-type suspensions. Slipper Springs are the heavy duty springs used with slipper-type suspensions. Complete sets of springs and u-bolt kits can be ordered with axles.

Which Hanger Kit?

There are several Hanger Kits to choose from - single, tandem or triple for both double eye and slipper springs. Hanger Kits consist of Spring Hangers that attach to the frame, Equalizers (tandem or triple Hanger Kits), Shackle Straps (if double eye springs) and all the necessary hardware.



Most axles are manufactured using the hub face dimension to determine length. If the hubs are not mounted on the axle and you are unsure of the hub face dimension, you can use these dimensions to calculate hub face by using another constant measurement relative to the hub face. These dimensions can vary slightly from one axle manufacturer to another and should be used for reference only. Example: A 7K Dexter axle measuring 87¼" from outside brake flange to outside of brake flange, would likely have a 95" hub face. (87.25" + 7.73" = 94.98")

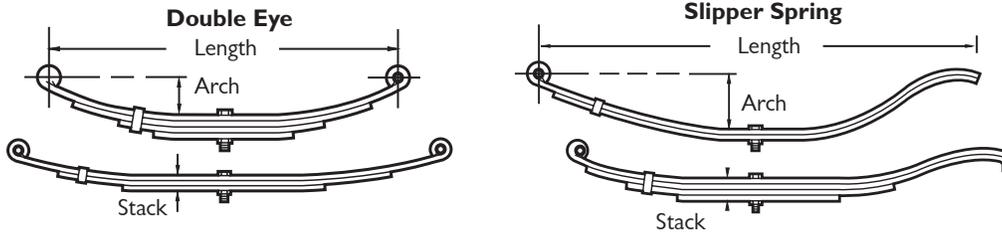


Capacity	From outside brake flange to outside of brake flange, (ADD)		From rear bearing shoulder to rear bearing shoulder, (ADD)		From spindle end to spindle end, (SUBTRACT)	
	AL-KO/HAYES	DEXTER	AL-KO/HAYES	DEXTER	AL-KO/HAYES	DEXTER
1.5K, 2K, 2.5K (BT8, BT9)	+ 6.89	+ 6.90	+ 3.74	+ 3.72	- 4.71	- 4.563
3.5K (#84)	+ 6.164	+ 6.34	+ 3.624	+ 3.81	- 4.726	- 4.375
4.5K Mobile Home(for track dimension)	+ 7.00	+ 6.93			- 5.83	- 5.2
5.2K, 6K, 7K (#42)	+ 8.63	+ 8.73	+ 3.07	+ 3.02	- 5.946	- 5.75
6K, 7K Centerline (#42 CL)	+ 7.25		+ 3.07		- 5.946	
5.2K-7K Demountable		+ 7.73		+ 2.02		- 6.75
7.2K		+ 7.54		+ 2.875		- 5.875
8K	+ 8.99	+ 9.09	+ 3.49	+ 2.875	- 5.91	- 5.875
9K, 10K General Duty (not including old style, obsolete versions)	+ 12.51	+ 13.50	+ 6.15	+ 4.00	- 6.91	- 8.625
10K Heavy Duty	+ 12.58 (drum)	+ 14.35	+ 4.46 (drum)	+ 3.95	- 8.29 (drum)	- 8.875
12K	+ 14.18 (disc)	+ 15.27 (Standard High Profile)	+ 4.62 (disc)	+ 3.68 (Standard High Profile)	- 8.13 (disc)	9.125 (Standard High Profile)
15K	+ 12.96	+ 17.45	+ 3.34	+ 3.54		- 9.25
16K					- 9.41	

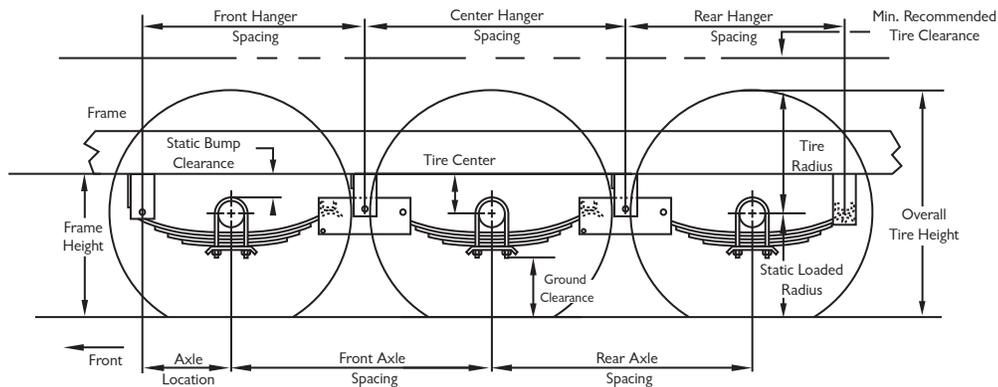


Spring Axle Measurement

Spring Type



Axle Spacing

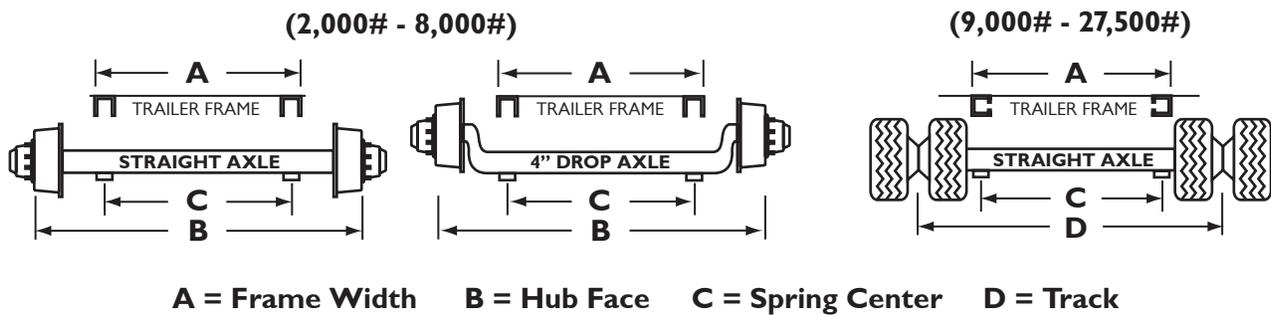


When speaking with an Expediter Sales Associate, please provide:

- Sprung or Torsion (see pages A8, A9 and A22 for Torsion information)
- Weight capacity
- Brake or Idler hub
- Hub face (in inches)
- Spring center or out bracket (in inches)
- Number of lugs & pattern (i.e. 545, 655, 865, etc...)
- Wheel size (i.e. 13", 14", 15", etc...)
- Tire size and capacity (i.e. 205 x 15 load range C)



Hub Face - Spring Center Spread



2,000# Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)



Features and Options	
Tubing	1¾" OD - .180 Wall (straight only) 2¾" OD - .156 Wall (drop only)
Bearings	#44649 Inner & Outer
Hub	4 Lug on 4.0" 5 Lug on 4.5" (5.5" dia. for 8" - 12" wheels) 5 Lug on 4.5" (6.5" dia. for 12" - 15" wheels)
Brake	7" x 1¼" Electric Disc Brake 7" x 1¾" Hydraulic
Suspension	1¾" Double Eye Springs 1¾" Slipper Springs Hanger Kit
Lubrication	Grease or EZ-Lube

Axle Type	Min.	Max.
Straight	11.50"	15.25"
4" Drop	15.25"	18.00"



3,500# Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)

Features and Options	
Tubing	2¾" OD - .180 Wall (standard) 3" OD - .191 Wall (optional)
Bearings	#68149 Inner & #44649 Outer
Hub	5 Lug on 4.5", 4.75", 5.0" or 5.5" 6 Lug on 5.5"
Brake	10" x 2¼" Electric 10" x 2¼" Hydraulic* *single servo, duo servo or free backing Disc Brake
Suspension	1¾" Double Eye Springs 1¾" Slipper Springs Hanger Kit
Lubrication	Grease or EZ-Lube Nev-R-Lube (655 Straight Axle Only)

Axle Type	Min.	Max.
Straight	11.25"	18.00"
Straight (3" Tube)	11.25"	23.00"
4" Drop	14.00"	18.00"
4" Drop (3" Tube)	14.00"	23.00"
6" Drop	15.75"	18.00"

These axles available on request



5,200 - 6,000# Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)

Features and Options	
Tubing	3" OD - .191 Wall (regular duty) 3" OD - .250 Wall (heavy duty)
Bearings	#25580 Inner #LM67048, 15123 or 14125A Outer
Hub	6 Lug on 5.5" 8 Lug on 6.5" UTG 5 Spoke
Brake	12" x 2" Electric Disc Brake 12" x 2" Hydraulic* *single servo, duo servo or free backing
Suspension	Double Eye Springs; Slipper Springs; Hanger Kit; AirFlex
Lubrication	Grease, EZ-Lube, Nev-R-Lube, Oil Bath

Axle Type	Min.	Max.
Straight (regular duty)	13.26"	19.00"
Straight (heavy duty)	13.26"	20.00"
4" Drop (regular duty)	16.50"	20.00"
4" Drop (heavy duty)	16.50"	20.00"



7,000# Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)

Features and Options	
Tubing	3" OD - .250 Wall
Bearings	#25580 Inner #14125A Outer
Hub	8 Lug on 6.5" (1/2" studs) Optional 3/8" or 5/8" studs UTG 5 Spoke
Brake	12" x 2" Electric Disc Brake 12" x 2" Hydraulic* *single servo, duo servo or free backing
Suspension	Double Eye Springs; Slipper Springs; Hanger Kit; AirFlex
Lubrication	Grease, EZ-Lube, Nev-R-Lube, Oil Bath

Axle Type	Min.	Max.
Straight	13.26"	18.00"
4" Drop	15.75"	18.00"

These axles available on request

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Brake Assemblies

Suspensions & Fasteners

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Hitches & Towing Accessories

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Locks & Cargo Control

Brake Actuating Systems

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7,200# Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)



Features and Options	
Tubing	3" OD - .302 Wall
Bearings	#25580 Inner #02475 Outer
Hub	8 Lug on 6.5" Optional 3/16" or 5/8" studs
Brake	12 1/4" x 2 1/2" Electric Hydraulic Brake NOT Available
Suspension	Double Eye Springs Slipper Springs Hanger Kit AirFlex
Lubrication	Grease, EZ-Lube, Nev-R-Lube, Oil Bath

Axle Type	Min.	Max.
Straight	14.00"	18.00"
4" Drop	15.75"	18.00"



8,000# Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)



Features and Options	
Tubing	3.5" OD - .250 Wall
Bearings	#25580 Inner #02475 Outer
Hub	8 Lug on 6.5" Optional 3/16" or 5/8" studs
Brake	12 1/4" x 3 3/8" Electric 12 1/4" x 3 3/8" Hydraulic Duo Servo
Suspension	2" Slipper Springs Hanger Kit AirFlex
Lubrication	Grease, EZ-Lube, Nev-R-Lube, Oil Bath

Axle Type	Min.	Max.
Straight	16.00"	19.00"
4" Drop	18.00"	19.00"

These axles available on request



9,000# Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)

Features and Options	
Tubing	4" OD - .250 Wall
Bearings	#387A Inner #25580 Outer
Hub	8 Lug on 6.5"
Brake	12¼" x 3⅜" Electric 12¼" x 3⅜" Hydraulic Duo Servo* *ABS also available on hydraulic brake
Suspension	Slipper Spring - 2" Wide Hanger Kit
Lubrication	Oil Bath (standard) or Grease (optional)

Axle Type	Min.	Max.
Straight (single wheel)	19.32"	31.00"
Straight (dualwheel)	26.00"	31.00"

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10,000# (General Duty) Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)

Features and Options	
Tubing	5" OD - .250 Wall
Bearings	#387A Inner #25580 Outer
Hub	8 Lug on 6.5"
Brake	12¼" x 3⅜" Electric 12¼" x 3⅜" Hydraulic Duo Servo* *ABS also available on hydraulic brake
Suspension	Slipper Spring - 2.5" Wide Hanger Kit
Lubrication	Oil Bath (standard) or Grease (optional)

Axle Type	Min.	Max.
Straight (single wheel)	23.50"	31.00"
Straight (dual wheel)	26.00"	31.00"

These axles available on request

Information

10,000# (Heavy Duty) Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)



Features and Options	
Tubing	5" OD - .250 Wall 5" OD - .44 Wall (required on air ride)
Bearings	#395S Inner & #387A Outer
Hub	8 Lug on 6.5"
Brake	12¼" x 4" Electric 12¼" x 4" Hydraulic 12¼" x 4" Air Hydraulic Disc *duo servo, ABS also available on hydraulic brake and air brake
Suspension	Slipper Spring - 2.5" Wide Hanger Kit
Lubrication	Oil Bath (standard) or Grease (optional)

Axle Type	Min.	Max.
Straight (single wheel)	25.38"	31.00"
Straight (dual wheel)	26.00"	31.00"

Hubs & Axles

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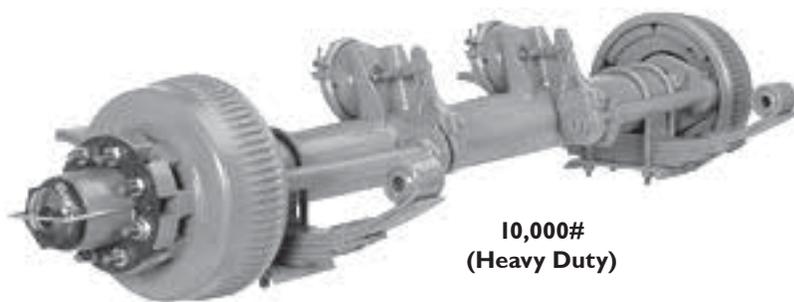
Trailer Parts

Lights & Electrical

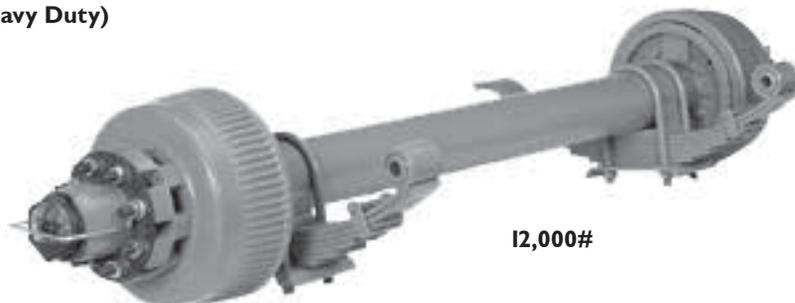
Locks & Cargo Control

Brake Actuating Systems

Switches



10,000#
(Heavy Duty)



12,000#



12,000# Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)

Features and Options	
Tubing	5" OD - .44 Wall
Bearings	#3984 Inner & #28682 Outer
Hub	8 Lug on 6.5" Low profile hubs for 14.5" wheels High profile hubs for use with 16" & 16.5" wheels
Brake	12¼" x 5" Electric 12¼" x 5" Hydraulic 12¼" x 5" Air Hydraulic Disc *duo servo, ABS also available on hydraulic brake and air brake
Suspension	Slipper Spring - 3" Wide Hanger Kit
Lubrication	Oil Bath (standard) or Grease (optional)

Axle Type	Min.	Max.
Straight (low profile hub)	32.74"	41.00"
Straight (high profile hub)	25.88"	40.40"

These axles available on request



15,000# Dexter Sprung Axles Assembly

Made to Order

Overhang = (Hub Face - Spring Center)

Features and Options	
Tubing	5" OD - .44 Wall
Bearings	#3984 Inner & #28682 Outer
Hub	8 Lug on 275mm
Brake	12¼" x 5" Electric 12¼" x 5" Hydraulic 12¼" x 5" Air *duo servo, ABS also available on hydraulic brake
Suspension	Slipper Spring - 3" Wide Hanger Kit Hutch 9700 Series Kit
Lubrication	Oil Bath (standard) or Grease (optional)

Axle Type	Min.	Max.
Straight (dual wheel)	29.00"	33.00"



20,000 - 27,500# Dexter Sprung Axles Assembly

Made to Order

Features and Options	
Tubing	5" OD - .50, .625, or .75 Wall Air ride requires .625 minimum wall thickness
Bearings	#HM218248 Inner & #HM212049 Outer
Hub	3 or 5 Spoke Cast 10 Lug on 8.75" 10 Lug on 11.25" *inboard and outboard drums available Hub Piloted Optional
Brake	12¼" x 7½" Air 16½" x 7" Air
Suspension	Hutch 9700 Series Air Ride
Lubrication	Oil Bath (standard) or Grease (optional)

Notes
Minimum: Track minus 34.5"
Maximum: Track minus 32.5" (or as tire clearance allows)

These axles available on request

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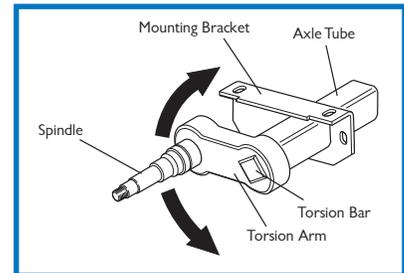
Locks & Cargo Control

Brake Actuating Systems

Switches



- Independent wheel suspension
- Self-damping action
- Cushioning eliminates metal-to-metal contact
- Less transfer of road shock helps protect cargo
- Heat-treated solid steel inner bar
- Forged torsion arm for maximum strength
- Rubber cords compounded for dependability
- Axle can be used as a load carrying cross member
- Easy installation with less overall maintenance
- Single or tandem axle assemblies
- Five-year limited warranty on suspension system



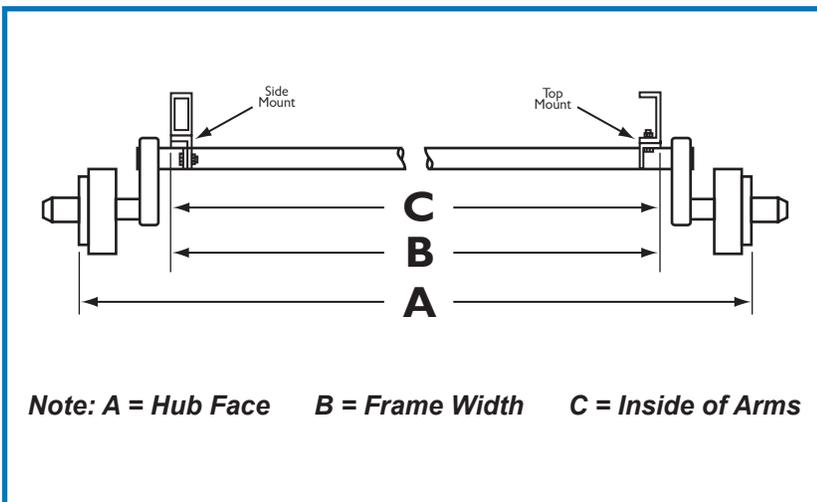
Smooth Riding Axles...

Torflex suspension system is a torsion arm type suspension which is completely self contained within the axle tube. It attaches directly to the trailer frame using brackets which are an integral part of the axle assembly. The Torflex axle provides improved suspension characteristics relative to leaf spring axles through the unique arrangement of a steel torsion bar surrounded by four natural rubber cords encased in the main structural member of the axle beam.

The wheel/hub spindle is attached to a lever, called the torsion arm, which is fastened to the rubber encased bar. As load is applied, the bar rotates causing a rolling/compressive resistance in the rubber cords. This action provides the same functions as conventional sprung axles with several operating advantages including independent suspension.

Except for periodic inspection of the fasteners used to attach the Torflex axle to the vehicle frame, no other suspension maintenance is required on Torflex axles. They are, of course, subject to the maintenance and inspection procedures regarding brakes, hubs, bearings, seals, wheels, and tires as outlined in the Dexter Operation Maintenance Service Manual.

CAUTION: Triple axle assemblies are not recommended for Torflex axles



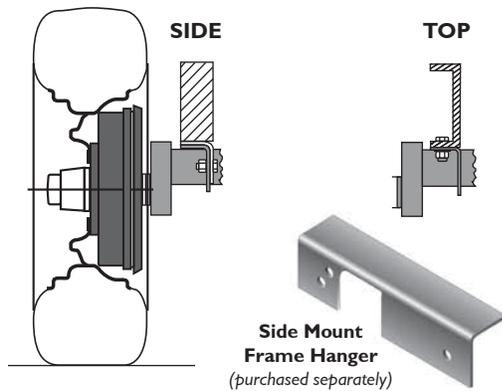
Suspension:

- Totally rubber-cushioned for smooth, quiet, independent ride
- Easy installation with less maintenance
- Less transfer of road shock which insulates cargo
- Rubber cords compounded for maximum dependability and durability
- Load carrying cross member
- Self-damping action
- Independent wheel suspension
- 5 year limited warranty on suspension system
- Low profile for maximum road clearance
- Various starting angles to control trailer height
- Low, 3/4" High, or 3" High Profile brackets available

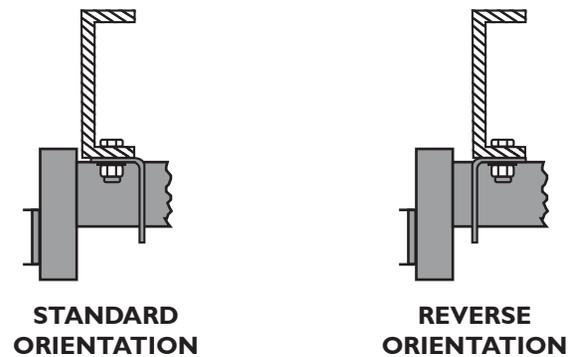


Torsion Axle Options

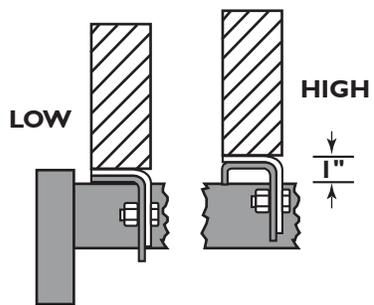
Bracket Mounting



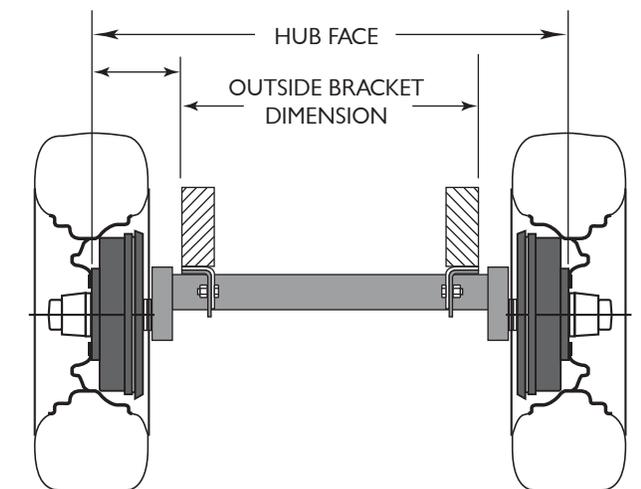
Bracket Orientation



Bracket Profile

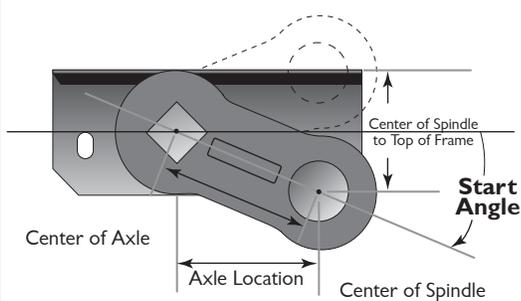


Overhang

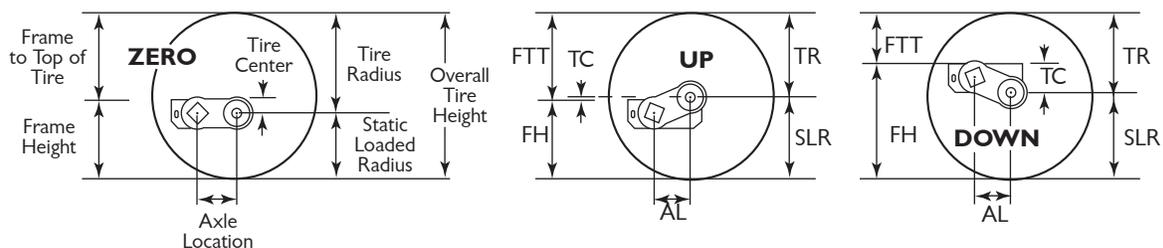


Overhang = Hub Face - Outside Bracket

Start Angle



Start Angle (unloaded)



Information

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Brake Assemblies

Suspensions & Fasteners

Tires & Wheels

Couplers Jacks & Winches

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Brake Actuating Systems

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600 - 1,100# Dexter Torflex Axles Assembly #8
Made to Order



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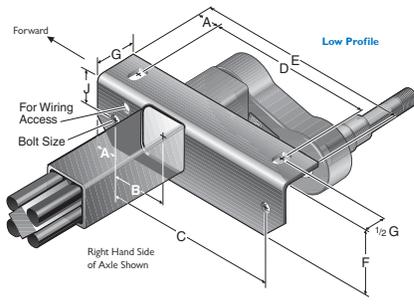
Locks & Cargo Control

Brake Actuating Systems

Switches

Features and Options	
Tubing	2.38" Square
Bearings	#L44649 Inner & #44649 Outer
Hub	4 Lug on 4.0" 5 Lug on 4.5" (5.5" dia. for 8" - 12" wheels) 5 Lug on 4.5" (6.5" dia. for 12" - 15" wheels)
Brake	7" x 1 1/4" Electric 7" x 1 3/4" Hydraulic
Suspension	Rubber Torsion
Lubrication	Grease, EZ-Lube

Overhang		
TOTAL	PER SIDE	
Minimum: 9.50"	Spindle	Min. Max.
Maximum: 18.08"	Short	4.75" 9.04"
	Standard	6.00" 9.04"
Hub Face minus Frame Width must be between Min. and Max.		

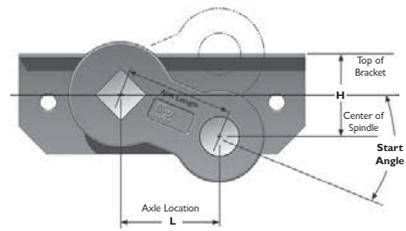


Bracket Dimensions	
	LOW
A	1.00
B	2.38
C	8.00
D	7.75
E	10.00
F	2.88
G	2.00
J	1.57
Bolt Size	1/2" bolt
Tube Size	1.75

Articulation Dimensions

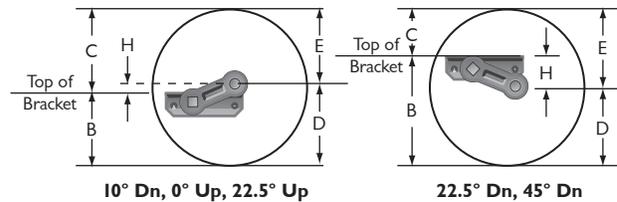
Dimensions are for low profile, top mount only. Side mount is .18" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	Low Profile	3.84	2.83	2.54	3.70	1.79	3.92
32° down	Low Profile	3.13	3.39	1.67	3.95	0.89	4.00
22.5° down	Low Profile	2.54	3.70	1.01	4.00	0.23	3.92
10° down	Low Profile	1.70	3.94	0.14	3.91	-0.60	3.66
0°	Low Profile	1.01	4.00	-0.52	3.70	-1.21	3.33
10° up	Low Profile	0.32	3.94	-1.14	3.37	-1.76	2.89
22.5° up	Low Profile	-0.52	3.70	-1.82	2.83	-2.32	2.22



Full Load Dimensions

Dimensions are for low profile, top mount only. Side mount is .18" higher. Allow 3" bump clearance from full load.



TIRE	START ANGLE																			
	45° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down				
D	E	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	
ST175/80R13	11.2	12.0	2.5	13.7	9.5	1.0	12.2	11.0	0.1	11.3	11.9	-0.5	10.7	12.5	-1.1	10.1	13.1	-1.8	9.4	13.8
4.80-8	7.9	8.8	2.5	10.4	6.3	1.0	8.9	7.8	0.1	8.0	8.7	-0.5	7.4	9.3	-1.1	6.8	9.9	-1.8	6.1	10.6
4.80-12	9.5	10.8	2.5	12.0	8.3	1.0	10.5	9.8	0.1	9.6	10.7	-0.5	9.0	11.3	-1.1	8.4	11.9	-1.8	7.7	12.6
20.5X8.0-10	9.7	10.8	2.5	12.2	8.3	1.0	10.7	9.8	0.1	9.8	10.7	-0.5	9.2	11.3	-1.1	8.6	11.9	-1.8	7.9	12.6

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius
NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request

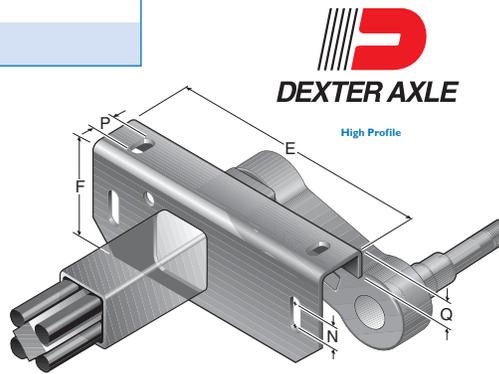
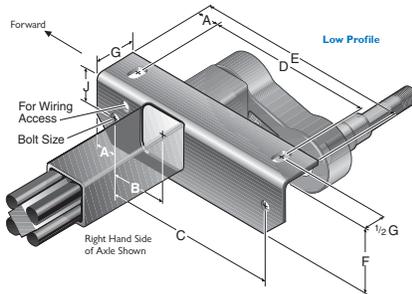


1,000 - 2,200# Dexter Torflex Axles Assembly #9

Made to Order

Features and Options	
Tubing	2.38" Square
Bearings	#L44649 Inner & #44649 Outer
Hub	4 Lug on 4.0" 5 Lug on 4.5" (5.5" dia. for 8" - 12" wheels) 5 Lug on 4.5" (6.5" dia. for 12" - 15" wheels)
Brake	7" x 1 1/4" Electric 7" x 1 3/4" Hydraulic
Suspension	Rubber Torsion
Lubrication	Grease, EZ-Lube

Overhang			
TOTAL		PER SIDE	
Minimum:	12.00"	Spindle	Min.
Maximum:	21.80"	Short	6.00"
		Standard	10.90"
Hub Face minus Frame Width must be between Min. and Max.			

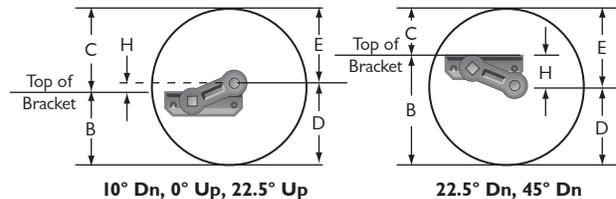
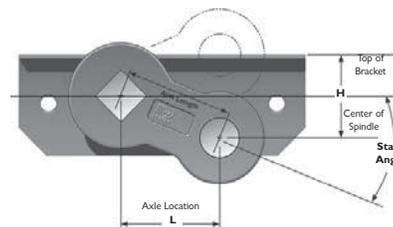


Bracket Dimensions		
	LOW	HIGH
A	1.00	1.00
B	2.38	2.38
C	8.00	8.00
D	7.75	7.75
E	10.00	10.00
F	2.88	3.75
G	2.00	2.00
J	1.57	1.57
N	---	0.86
P	0.94	0.94
Q	1.00	1.00
Bolt Size	1/2" bolt	
Tube Size	2.17	2.17

Articulation Dimensions

Dimensions are for top mount only. Side mount is .18" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	Low Profile	5.46	4.24	3.52	5.54	2.39	5.88
	High Profile	6.33	4.24	4.39	5.54	3.26	5.88
32° down	Low Profile	4.40	5.09	2.21	5.92	1.04	6.00
	High Profile	5.27	5.09	3.08	5.92	1.91	6.00
22.5° down	Low Profile	3.52	5.54	1.22	6.00	0.05	5.88
	High Profile	4.39	5.54	2.09	6.00	0.92	5.88
10° down	Low Profile	2.26	5.91	-0.08	5.86	-1.20	5.49
	High Profile	3.13	5.91	0.79	5.86	-0.33	5.49
0°	Low Profile	1.22	6.00	-1.08	5.54	-2.11	4.99
	High Profile	2.09	6.00	-0.21	5.54	-1.24	4.99
10° up	Low Profile	0.18	5.91	-2.00	5.06	-2.93	4.33
	High Profile	1.05	5.91	-1.13	5.06	-2.06	4.33
22.5° up	Low Profile	-1.08	5.54	-3.02	4.24	-3.77	3.33
	High Profile	-0.21	5.54	-2.15	4.24	-2.90	3.33



Full Load Dimensions

Dimensions are for low profile, top mount only.

High Profile brackets are .88" higher. Side mount is .18" higher. Allow 3" bump clearance from full load.

Start Angle

TIRE	45° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down				
	D	E	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C			
ST175/80R13	11.2	12.0	3.5	14.7	8.5	1.2	12.4	10.8	-0.1	11.1	12.1	-1.1	10.1	13.1	-2.0	9.2	14.0	-3.0	8.2	15.0
4.80-8	7.9	8.8	3.5	11.4	5.3	1.2	9.1	7.6	-0.1	7.8	8.9	-1.1	6.8	9.9	-2.0	5.9	10.8	-3.0	4.9	11.8
4.80-12	9.5	10.8	3.5	13.0	7.3	1.2	10.7	9.6	-0.1	9.4	10.9	-1.1	8.4	11.9	-2.0	7.5	12.8	-3.0	6.5	13.8
20.5X8.0-10	9.7	10.8	3.5	13.2	7.3	1.2	10.9	9.6	-0.1	9.6	10.9	-1.1	8.6	11.9	-2.0	7.7	12.8	-3.0	6.7	13.8

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius

NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request

Information

Hubs & Axles

Brake Assemblies

Suspensions & Fasteners

Tires & Wheels

Couplers Jacks & Winches

Hitches & Towing Accessories

Body Components

Trailer Parts

Lights & Electrical

Locks & Cargo Control

Brake Actuating Systems

Switches



2,300 - 4,000# Dexter Torflex Axles Assembly #10

Made to Order

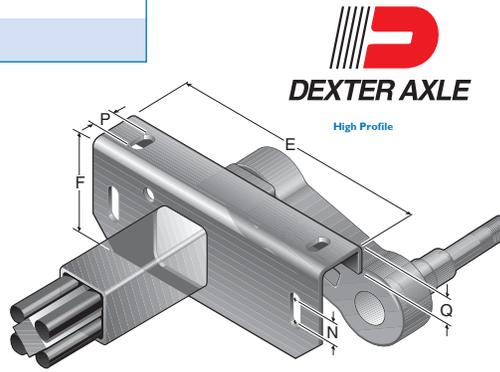
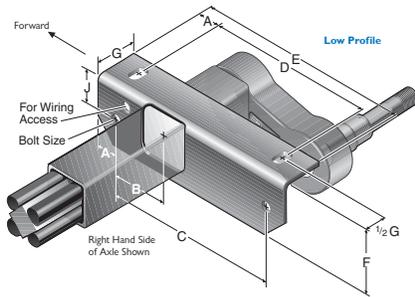
Features and Options

Tubing	2.50" Square
Bearings	#L68149 Inner & #44649 Outer
Hub	5 Lug on 4.5", 5" or 5.5" 6 Lug on 5.5"
Brake	10" x 2 1/4" Electric 10" x 2 1/4" Hydraulic *single servo, duo servo or free backing
Suspension	Rubber Torsion
Lubrication	Grease, EZ-Lube, Nev-R-Lube

Overhang

TOTAL	PER SIDE			
	Spindle	Min.	Max.	Max. Capacity
Min: 12.60"	#10 Standard w/ drum	6.30"	11.80"	3500
Max: 27.52"	#10 w/Disc Brake	6.56"	11.80"	3500
	#10F w/Drum	6.30"	10.50"	4000
	#10L w/Drum	5.88"	13.76"	3000

Hub Face minus Frame Width must be between **Min.** and **Max.**



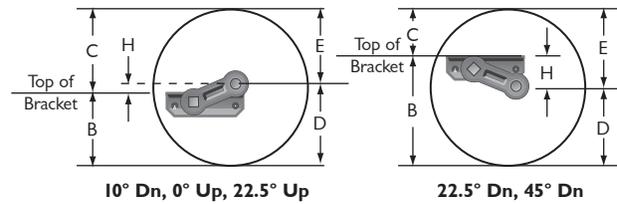
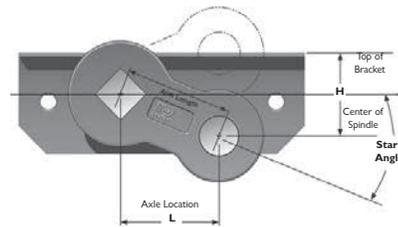
Bracket Dimensions

	LOW	HIGH
A	1.00	1.00
B	2.50	2.50
C	8.00	8.00
D	8.00	8.00
E	10.00	10.00
F	3.43	4.25
G	2.50	2.50
J	1.62	1.62
N	---	1.03
P	---	1.00
Q	---	1.00
Bolt Size	5/8" bolt	
Tube Size	2.62	2.62

Articulation Dimensions

Dimensions are for top mount only. Side mount is .18" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	Low Profile	5.73	4.24	3.79	5.54	2.66	5.88
	High Profile	6.55	4.24	4.61	5.54	3.48	5.88
32° down	Low Profile	4.67	5.09	2.48	5.92	1.31	6.00
	High Profile	5.49	5.09	3.30	5.92	2.13	6.00
22.5° down	Low Profile	3.79	5.54	1.49	6.00	0.32	5.88
	High Profile	4.61	5.54	2.31	6.00	1.14	5.88
10° down	Low Profile	2.53	5.91	0.19	5.86	-0.93	5.49
	High Profile	3.35	5.91	1.01	5.86	-0.11	5.49
0°	Low Profile	1.49	6.00	-0.81	5.54	-1.84	4.99
	High Profile	2.31	6.00	0.01	5.54	-1.02	4.99
10° up	Low Profile	0.45	5.91	-1.73	5.06	-2.66	4.33
	High Profile	1.27	5.91	-0.91	5.06	-1.84	4.33
22.5° up	Low Profile	-0.81	5.54	-2.75	4.24	-3.50	3.33
	High Profile	-0.01	5.54	-1.93	4.24	-2.68	3.33



Full Load Dimensions

Dimensions are for low profile, top mount only.

High Profile brackets are .82" higher. Side mount is .18" higher. Allow 3" bump clearance from full load.

Start Angle

TIRE	D	E	45° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down		
			H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C
ST175/80R13	11.2	12.0	3.8	15.0	8.2	1.5	12.7	10.5	0.2	11.4	11.8	-0.8	10.4	12.8	-1.7	9.5	13.7	-2.8	8.4	14.8
ST205/75R14	12.1	13.1	3.8	15.9	9.3	1.5	13.6	11.6	0.2	12.3	12.9	-0.8	11.3	13.9	-1.7	10.4	14.8	-2.8	9.3	15.9
ST225/75R15	13.0	14.4	3.8	16.8	10.6	1.5	14.5	12.9	0.2	13.2	14.2	-0.8	12.2	15.2	-1.7	11.3	16.1	-2.8	10.2	17.2

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius

NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request



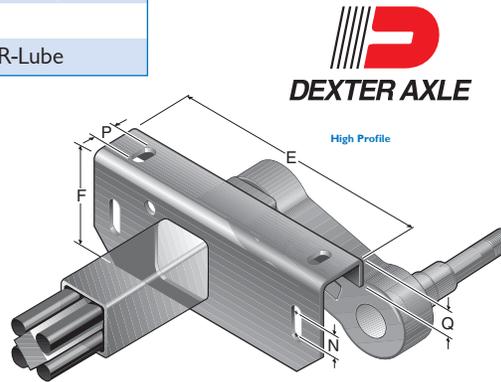
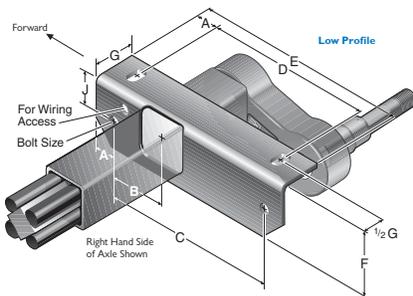
4,100 - 6,000# Dexter Torflex Axles Assembly # II

Made to Order

FEATURES & OPTIONS	
Tubing	3.50" Square
Bearings	#25580 Inner & #LM67048, 15123 or 14125A Outer
Hub	6 Lug on 5.5" 8 Lug on 6.5" UTG 5 Spoke for 14.5" Wheel
Brake	12" x 2" Electric 12" x 2" Hydraulic *single servo, duo servo or free backing
Suspension	Rubber Torsion
Lubrication	Grease, EZ-Lube, Oil Bath, Nev-R-Lube

OVERHANG				
TOTAL	PER SIDE			
Min: 14.00"	Spindle	Min.	Disc.*	Max.
Max: 20.44"	Short	7.00"	7.50"	10.22"
	Standard	7.50"	7.50"	10.22"

Hub Face minus Frame Width must be between **Min.** and **Max.**

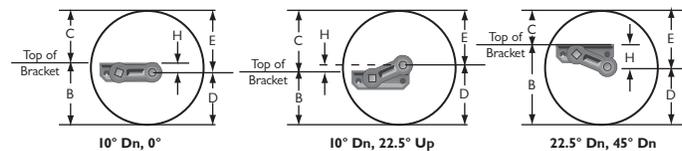
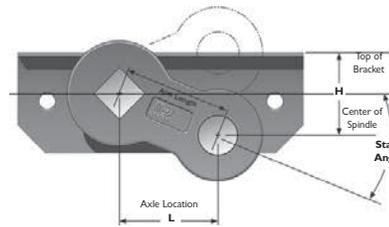


Bracket Dimensions		
	LOW	HIGH
A	.75	.75
B	3.50	3.50
C	9.50	9.50
D	9.00	9.00
E	11.00	11.00
F	3.91	4.66
G	2.50	2.50
J	1.83	1.83
N	---	1.03
P	---	1.00
Q	---	1.00
Bolt Size	5/8" bolt	
Tube Size	3.03	3.03

Articulation Dimensions

Dimensions are for top mount only. Side mount is .25" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	Low Profile	6.01	4.24	4.07	5.54	2.94	5.88
	High Profile	6.76	4.24	4.82	5.54	3.69	5.88
32° down	Low Profile	4.95	5.09	2.76	5.92	1.59	6.00
	High Profile	5.70	5.09	3.51	5.92	2.34	6.00
22.5° down	Low Profile	4.07	5.54	1.77	6.00	0.60	5.88
	High Profile	4.82	5.54	2.52	6.00	1.35	5.88
10° down	Low Profile	2.81	5.91	0.47	5.86	-0.65	5.49
	High Profile	3.56	5.91	1.22	5.86	0.10	5.49
0°	Low Profile	1.77	6.00	-0.53	5.54	-1.56	4.99
	High Profile	2.52	6.00	0.22	5.54	-0.81	4.99
10° up	Low Profile	0.73	5.91	-1.45	5.06	-2.38	4.33
	High Profile	1.48	5.91	-0.70	5.06	-1.63	4.33
22.5° up	Low Profile	-0.53	5.54	-2.47	4.24	-3.22	3.33
	High Profile	0.22	5.54	-1.72	4.24	-2.47	3.33



Full Load Dimensions

Dimensions are for low profile, top mount only.

High Profile brackets are .75" higher. Side mount is .25" higher. Allow 3" bump clearance from full load.

TIRE	START ANGLE																					
	D		E		45° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down		
	D	E	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C		
ST225/75R15	13.0	14.4	4.1	17.1	10.3	1.8	14.8	12.6	0.5	13.5	13.9	-0.5	12.5	14.9	-1.5	11.5	15.9	-2.5	10.5	16.9		
LT235/85R16	14.3	15.4	4.1	18.4	11.3	1.8	16.1	13.6	0.5	14.8	14.9	-0.5	13.8	15.9	-1.5	12.8	16.9	-2.5	11.8	17.9		
LT225/75R16	13.5	14.9	4.1	17.6	10.8	1.8	15.3	13.1	0.5	14.0	14.4	-0.5	13.0	15.4	-1.5	12.0	16.4	-2.5	11.0	17.4		
8.75R16.5LT	13.8	14.8	4.1	17.9	10.7	1.8	15.6	13.0	0.5	14.3	14.3	-0.5	13.3	15.3	-1.5	12.3	16.3	-2.5	11.3	17.3		

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius

NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request

Information

Hubs & Axles

Brake Assemblies

Suspensions & Fasteners

Tires & Wheels

Couplers Jacks & Winches

Hitches & Towing Accessories

Body Components

Trailer Parts

Lights & Electrical

Locks & Cargo Control

Brake Actuating Systems

Switches

5,500 - 7,200# Dexter Torflex Axles Assembly #12

Made to Order



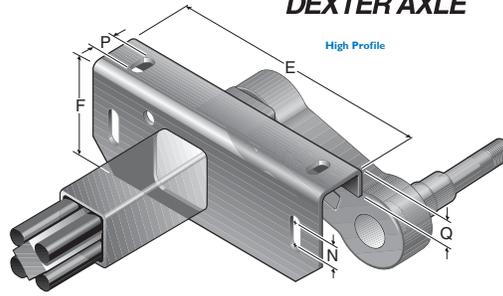
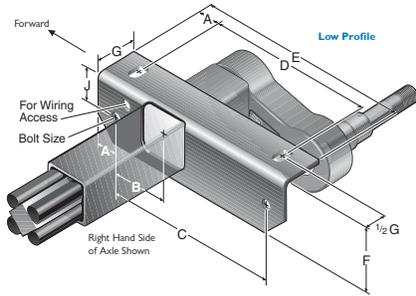
FEATURES & OPTIONS

Tubing	3.50" Square
Bearings	#25580 Inner & #LM67048, 15123 or 14125A Outer
Hub	8 Lug on 6.5" (1/2" studs) Optional 3/8" or 1/2" Studs UTG 5 Spoke
Brake	12" x 2" Electric 12" x 2" Hydraulic *single servo, duo servo or free backing
Suspension	Rubber Torsion
Lubrication	Grease/EZ-Lube/Oil Bath/Nev-R-Lube

OVERHANG

TOTAL	PER SIDE	
	Spindle Short	Spindle Standard
Min: 14.00" Max: 30.40"	Min. 7.00" Max. 7.50"	Max. 15.20" Max. 15.20"

Hub Face minus Frame Width must be between **Min.** and **Max.**



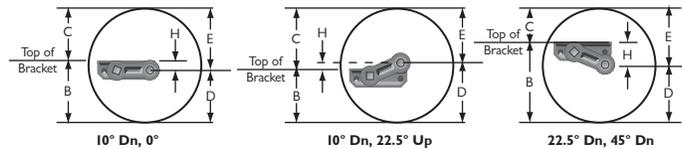
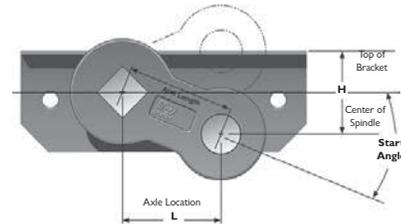
Bracket Dimensions

	LOW	HIGH
A	1.25	1.25
B	3.50	3.50
C	9.50	9.50
D	9.00	9.00
E	12.00	12.00
F	4.37	5.12
G	2.50	2.50
J	2.06	2.06
N	---	1.03
P	---	1.00
Q	---	1.00
Bolt Size	3/8" bolt	
Tube Size	3.50	

Articulation Dimensions

Dimensions are for top mount only. Side mount is .31" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	Low Profile	6.24	4.24	4.30	5.54	3.17	5.88
	High Profile	6.99	4.24	5.05	5.54	3.92	5.88
32° down	Low Profile	5.18	5.09	2.99	5.92	1.82	6.00
	High Profile	5.93	5.09	3.74	5.92	2.57	6.00
22.5° down	Low Profile	4.30	5.54	2.00	6.00	0.83	5.88
	High Profile	5.05	5.54	2.75	6.00	1.58	5.88
10° down	Low Profile	3.04	5.91	0.70	5.86	-0.42	5.49
	High Profile	3.79	5.91	1.45	5.86	0.33	5.49
0°	Low Profile	2.00	6.00	-0.30	5.54	-1.33	4.99
	High Profile	2.75	6.00	0.45	5.54	-0.58	4.99
10° up	Low Profile	0.96	5.91	-1.22	5.06	-2.15	4.33
	High Profile	1.71	5.91	-0.47	5.06	-1.40	4.33
22.5° up	Low Profile	-0.30	5.54	-2.24	4.24	-2.99	3.33
	High Profile	0.45	5.54	-1.49	4.24	-2.24	3.33



Full Load Dimensions

Dimensions are for low profile, top mount only.

High Profile brackets are .75" higher. Side mount is .31" higher. Allow 3" bump clearance from full load.

START ANGLE

TIRE	D	E	45° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down		
			H	B	C	H	B	C	H	B	C	H	B	C	H	B	C			
LT235/85R16	14.3	15.4	4.3	18.6	11.1	2.0	16.3	13.4	0.7	15.0	14.7	-0.3	14.0	15.7	-1.2	13.1	16.6	-2.2	12.1	17.6
7.50-16LT	14.9	16.7	4.3	19.2	12.4	2.0	16.9	14.7	0.7	15.6	16.0	-0.3	14.6	17.0	-1.2	13.7	17.9	-2.2	12.7	18.9
9.50-16.5LT	14.1	15.2	4.3	18.4	10.9	2.0	16.1	13.2	0.7	14.8	14.5	-0.3	13.8	15.5	-1.2	12.9	16.4	-2.2	11.9	17.4

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius

NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request



5,500 - 7,200# Dexter Torflex Axles Assembly #I2V

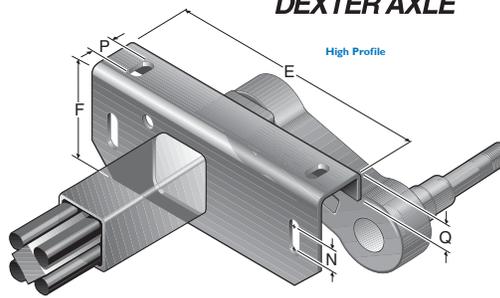
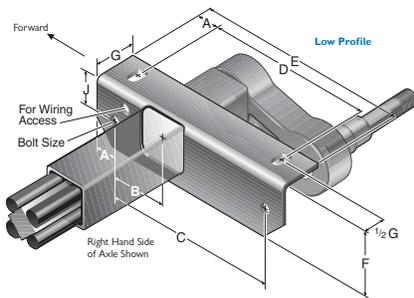
Made to Order

FEATURES & OPTIONS	
Tubing	3.50" Square
Bearings	#25580 Inner & #02475 Outer
Hub	8 Lug on 6.5" Optional 1/8" or 5/8" Studs
Brake	12 1/4" x 2 1/2" Electric
Suspension	Rubber Torsion
Lubrication	Grease/EZ-Lube/Oil Bath/Nev-R-Lube

OVERHANG			
TOTAL	PER SIDE		
Min: 14.00" Max: 29.54"	Spindle Standard	Min. 7.00"	Max. 14.77"
Hub Face minus Frame Width must be between Min. and Max.			



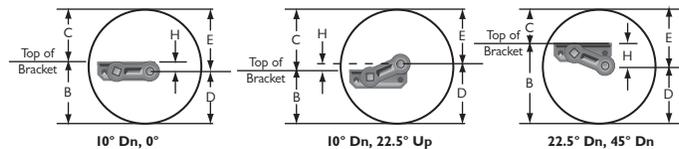
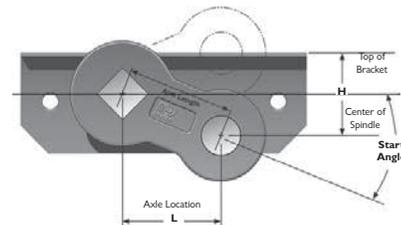
Bracket Dimensions		
	LOW	HIGH
A	1.25	1.25
B	3.50	3.50
C	9.50	9.50
D	9.00	9.00
E	12.00	12.00
F	4.37	4.37
G	2.50	2.50
J	2.06	2.06
N	---	1.03
P	---	1.00
Q	---	1.00
Bolt Size	3/8" bolt	
Tube Size	3.50	



Articulation Dimensions

Dimensions are for top mount only. Side mount is .31" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	Low Profile	6.24	4.24	4.30	5.54	3.17	5.88
	High Profile	6.99	4.24	5.05	5.54	3.92	5.88
32° down	Low Profile	5.18	5.09	2.99	5.92	1.82	6.00
	High Profile	5.93	5.09	3.74	5.92	2.57	6.00
22.5° down	Low Profile	4.30	5.54	2.00	6.00	0.83	5.88
	High Profile	5.05	5.54	2.75	6.00	1.58	5.88
10° down	Low Profile	3.04	5.91	0.70	5.86	-0.42	5.49
	High Profile	3.79	5.91	1.45	5.86	0.33	5.49
0°	Low Profile	2.00	6.00	-0.30	5.54	-1.33	4.99
	High Profile	2.75	6.00	0.45	5.54	-0.58	4.99
10° up	Low Profile	0.96	5.91	-1.22	5.06	-2.15	4.33
	High Profile	1.71	5.91	-0.47	5.06	-1.40	4.33
22.5° up	Low Profile	-0.30	5.54	-2.24	4.24	-2.99	3.33
	High Profile	0.45	5.54	-1.49	4.24	-2.24	3.33



Full Load Dimensions

Dimensions are for low profile, top mount only.

High Profile brackets are .75" higher. Side mount is .31" higher. Allow 3" bump clearance from full load.

TIRE	START ANGLE																					
	D		E		45° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down		
	D	E	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C		
LT235/85R16	14.3	15.4	4.3	18.6	11.1	2.0	16.3	13.4	0.7	15.0	14.7	-0.3	14.0	15.7	-1.2	13.1	16.6	-2.2	12.1	17.6		
7.50-16LT	14.9	16.7	4.3	19.2	12.4	2.0	16.9	14.7	0.7	15.6	16.0	-0.3	14.6	17.0	-1.2	13.7	17.9	-2.2	12.7	18.9		
9.50-16.5LT	14.1	15.2	4.3	18.4	10.9	2.0	16.1	13.2	0.7	14.8	14.5	-0.3	13.8	15.5	-1.2	12.9	16.4	-2.2	11.9	17.4		

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius

NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request

Information

Hubs & Axles

Brake Assemblies

Suspensions & Fasteners

Tires & Wheels

Couplers Jacks & Winches

Hitches & Towing Accessories

Body Components

Trailer Parts

Lights & Electrical

Locks & Cargo Control

Brake Actuating Systems

Switches

8,000# Dexter Torflex Axles Assembly #13

Made to Order



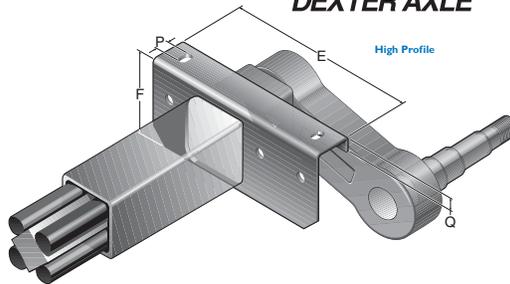
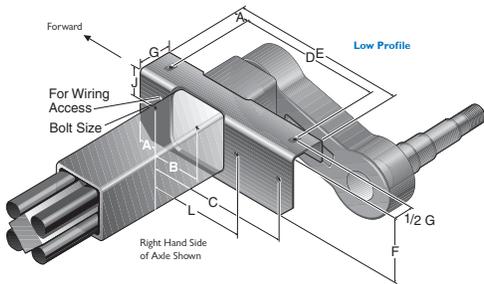
FEATURES & OPTIONS	
Tubing	3.63" Square
Bearings	#25580 Inner & #02475 Outer
Hub	8 Lug on 6.5" (9/16" studs) Optional 5/8" Studs
Brake	12 1/4" x 3 3/8" Electric 12 1/4" x 3 3/8" Hydraulic <i>*duo servo, ABS also available on hydraulic brake</i> Disc Brake
Suspension	Rubber Torsion
Lubrication	Grease/EZ-Lube/Oil Bath/Nev-R-Lube

OVERHANG			
TOTAL	PER SIDE		
Min: 17.00"	Spindle	Min.	Max.
Max: 43.00"	Short	8.50"	21.50"
	Standard	9.00"	21.50"

Hub Face minus Frame Width must be between **Min.** and **Max.**



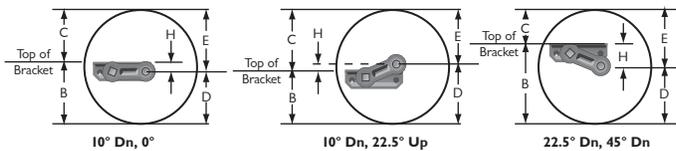
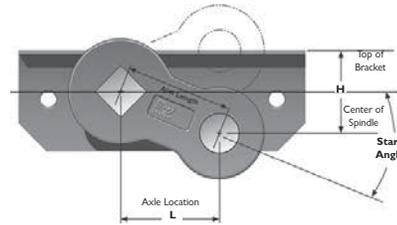
Bracket Dimensions		
	LOW	HIGH
A	1.22	1.22
B	3.63	3.63
C	10.56	10.56
D	10.56	10.56
E	13.00	13.00
F	4.81	5.50
G	2.50	2.50
J	2.25	2.25
N	7.26	7.26
P	---	1.00
Q	---	1.00
Bolt Size	5/8" bolt	
Tube Size	3.88	3.88



Articulation Dimensions

Dimensions are for top mount only. Side mount is .31" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	Low Profile	6.49	4.24	4.55	5.54	3.42	5.88
	High Profile	7.18	4.24	5.24	5.54	4.11	5.88
32° down	Low Profile	5.43	5.09	3.24	5.92	2.07	6.00
	High Profile	6.12	5.09	3.93	5.92	2.76	6.00
22.5° down	Low Profile	4.55	5.54	2.25	6.00	1.08	5.88
	High Profile	5.24	5.54	2.94	6.00	1.77	5.88
10° down	Low Profile	3.29	5.91	0.95	5.86	-0.17	5.49
	High Profile	3.98	5.91	1.64	5.86	0.52	5.49
0°	Low Profile	2.25	6.00	-0.05	5.54	-1.08	4.99
	High Profile	2.94	6.00	0.64	5.54	-0.39	4.99
10° up	Low Profile	1.21	5.91	-0.97	5.06	-1.90	4.33
	High Profile	1.90	5.91	-0.28	5.06	-1.21	4.33
22.5° up	Low Profile	-0.05	5.54	-1.99	4.24	-2.74	3.33
	High Profile	0.64	5.54	-1.30	4.24	-2.05	3.33



Full Load Dimensions

Dimensions are for low profile, top mount only.

High Profile brackets are .75" higher. Side mount is .31" higher. Allow 3" bump clearance from full load.

TIRE	START ANGLE																					
	D		E		45° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down		
	D	E	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C		
10R17.5HC	15.6	18.0	4.6	20.2	13.4	2.3	17.9	15.7	1.0	16.6	17.0	-0.1	15.5	18.1	-1.0	14.6	19.0	-2.0	13.6	20.0		
215/75R17.5	14.0	15.3	4.6	18.6	10.7	2.3	16.3	13.0	1.0	15.0	14.3	-0.1	13.9	15.4	-1.0	13.0	16.3	-2.0	12.0	17.3		
12-16.5LT	14.9	15.8	4.6	19.5	11.2	2.3	17.2	13.5	1.0	15.9	14.8	-0.1	14.8	15.9	-1.0	13.9	16.8	-2.0	12.9	17.8		
9.50-16.5LT	14.1	15.2	4.6	18.7	10.6	2.3	16.4	12.9	1.0	15.1	14.2	-0.1	14.0	15.3	-1.0	13.1	16.2	-2.0	12.1	17.2		
9R 17.5HC	15.4	17.1	4.6	20.0	12.5	2.3	17.7	14.8	1.0	16.4	16.1	-0.1	15.3	17.2	-1.0	14.4	18.1	-2.0	13.4	19.1		

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius

NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request

9,000 - 10,000# Dexter Torflex Axles Assembly #13G (General Duty - Single Wheel Only)

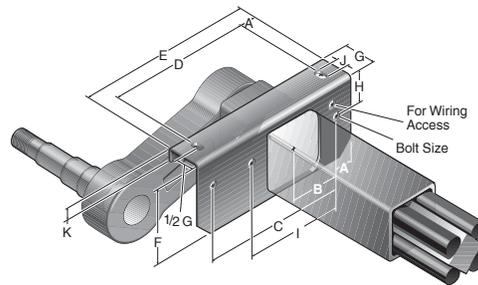
Made to Order



FEATURES & OPTIONS	
Tubing	3.63" Square
Bearings	#387A Inner & #25580 Outer
Hub	8 Lug on 6.5" (5ø" studs)
Brake	12¼" x 3⅜" Electric 12¼" x 3⅜" Hydraulic *duo servo, ABS also available on hydraulic brake
Suspension	Rubber Torsion
Lubrication	Grease/Oil Bath

OVERHANG				
TOTAL	PER SIDE			
	Spindle	Min.	Max.	Brake
Min: 12.25" Max: 34.40"	#13D	12.25"	17.20"	12¼" x 4"
	#13G one-piece	10.11"	17.20"	12¼" x 3⅜"
	#13G two-piece	11.35"	17.20"	12¼" x 3⅜"

Hub Face minus Frame Width must be between **Min.** and **Max.**

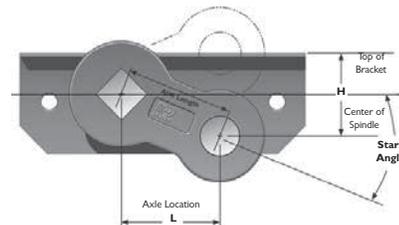


Bracket Dimensions	
	LOW
A	1.22
B	3.63
C	10.56
D	10.56
E	13.00
F	5.50
G	2.50
J	2.25
L	7.26
P	1.00
Q	1.00
Bolt Size	⅝" bolt
Tube Size	3.88

Articulation Dimensions

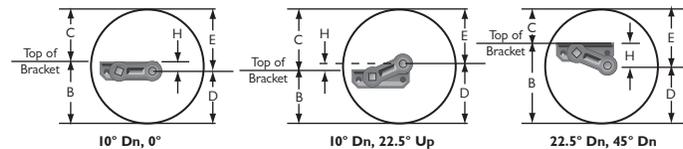
Dimensions are for high profile, top mount only. Side mount is .31" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	High Profile	7.18	4.24	5.24	5.54	4.24	5.83
32° down	High Profile	6.12	5.09	3.93	5.92	2.94	5.84
22.5° down	High Profile	5.24	5.54	2.94	6.00	1.90	5.91
10° down	High Profile	3.98	5.91	1.64	5.86	0.64	5.54
0°	High Profile	2.94	6.00	0.64	5.54	-0.28	5.06
10° up	High Profile	1.90	5.91	-0.28	5.06	-0.11	4.42
22.5° up	High Profile	0.64	5.54	-1.30	4.24	-1.97	3.44



Full Load Dimensions

Dimensions are for high profile, top mount only. Side mount is .31" higher. Allow 3" bump clearance from full load.



START ANGLE																							
TIRE	D	E	45° Down			32° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down		
			H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C
LT235/85R16	14.3	15.4	5.2	19.5	10.2	3.9	18.2	11.4	2.9	17.2	12.5	1.6	15.9	13.8	0.6	14.9	14.8	-0.3	14.0	15.7	-1.3	13.0	16.7
215/75R17.5	14.0	15.3	5.2	19.2	10.1	3.9	17.9	11.3	2.9	16.9	12.4	1.6	15.6	13.7	0.6	14.6	14.7	-0.3	13.7	15.6	-1.3	12.7	16.6
235/75R17.5	14.3	15.7	5.2	19.5	10.5	3.9	18.2	11.7	2.9	17.2	12.8	1.6	15.9	14.1	0.6	14.9	15.1	-0.3	14.0	16.0	-1.3	13.0	17.0
9R17.5HC	15.4	17.1	5.2	20.6	11.9	3.9	19.3	13.1	2.9	18.3	14.2	1.6	17.0	15.5	0.6	16.0	16.5	-0.3	15.1	17.4	-1.3	14.1	18.4
10R17.5HC	15.6	18.0	5.2	20.8	12.8	3.9	19.5	14.0	2.9	18.5	15.1	1.6	17.2	16.4	0.6	16.2	17.4	-0.3	15.3	18.3	-1.3	14.3	19.3

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius

NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request

Information

Hubs & Axles

Brake Assemblies

Suspensions & Fasteners

Tires & Wheels

Couplers Jacks & Winches

Hitches & Towing Accessories

Body Components

Trailer Parts

Lights & Electrical

Locks & Cargo Control

Brake Actuating Systems

Switches

9,000 - 10,000# Dexter Torflex Axles Assembly #13D
(Heavy Duty - Dual Wheel)

Made to Order

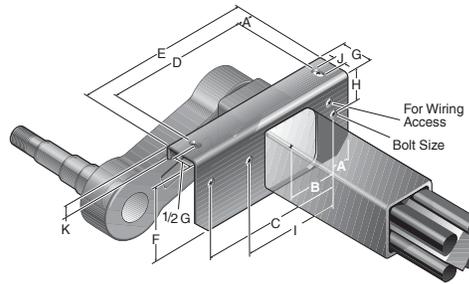


FEATURES & OPTIONS	
Tubing	3.63" Square
Bearings	#395S Inner & #387A Outer
Hub	8 Lug on 6.5" (58" studs)
Brake	12 1/4" x 4" Electric 12 1/4" x 4" Hydraulic *duo servo, ABS also available on hydraulic brake
Suspension	Rubber Torsion
Lubrication	Grease/Oil Bath

OVERHANG				
TOTAL	PER SIDE			
Min: 12.25"	Spindle	Min.	Max.	Brake
Max: 34.40"	#13D	12.25"	17.20"	12 1/4" x 4"
	#13G one-piece	10.11"	17.20"	12 1/4" x 3 3/8"
	#13G two-piece	11.35"	17.20"	12 1/4" x 3 3/8"

Hub Face minus Frame Width must be between **Min.** and **Max.**

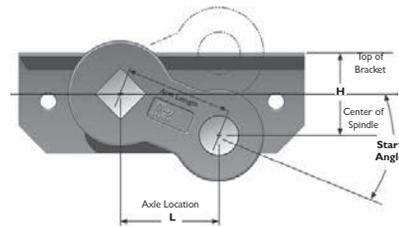
Bracket Dimensions	
	LOW
A	1.22
B	3.63
C	10.56
D	10.56
E	13.00
F	5.50
G	2.50
J	2.25
L	7.26
P	1.00
Q	1.00
Bolt Size	5/8" bolt
Tube Size	3.88



Articulation Dimensions

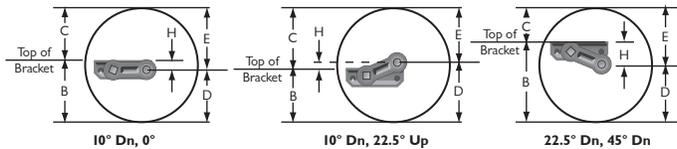
Dimensions are for high profile, top mount only. Side mount is .31" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	High Profile	7.18	4.24	5.24	5.54	4.24	5.83
32° down	High Profile	6.12	5.09	3.93	5.92	2.94	5.84
22.5° down	High Profile	5.24	5.54	2.94	6.00	1.90	5.91
10° down	High Profile	3.98	5.91	1.64	5.86	0.64	5.54
0°	High Profile	2.94	6.00	0.64	5.54	-0.28	5.06
10° up	High Profile	1.90	5.91	-0.28	5.06	-0.11	4.42
22.5° up	High Profile	0.64	5.54	-1.30	4.24	-1.97	3.44



Full Load Dimensions

Dimensions are for high profile, top mount only. Side mount is .31" higher. Allow 3" bump clearance from full load.



		START ANGLE																					
		45° Down			32° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down			
TIRE	D	E	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C
LT235/85R16	14.3	15.4	5.2	19.5	10.2	3.9	18.2	11.4	2.9	17.2	12.5	1.6	15.9	13.8	0.6	14.9	14.8	-0.3	14.0	15.7	-1.3	13.0	16.7
215/75R17.5	14.0	15.3	5.2	19.2	10.1	3.9	17.9	11.3	2.9	16.9	12.4	1.6	15.6	13.7	0.6	14.6	14.7	-0.3	13.7	15.6	-1.3	12.7	16.6
235/75R17.5	14.3	15.7	5.2	19.5	10.5	3.9	18.2	11.7	2.9	17.2	12.8	1.6	15.9	14.1	0.6	14.9	15.1	-0.3	14.0	16.0	-1.3	13.0	17.0
9R17.5HC	15.4	17.1	5.2	20.6	11.9	3.9	19.3	13.1	2.9	18.3	14.2	1.6	17.0	15.5	0.6	16.0	16.5	-0.3	15.1	17.4	-1.3	14.1	18.4
10R17.5HC	15.6	18.0	5.2	20.8	12.8	3.9	19.5	14.0	2.9	18.5	15.1	1.6	17.2	16.4	0.6	16.2	17.4	-0.3	15.3	18.3	-1.3	14.3	19.3

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius

NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request



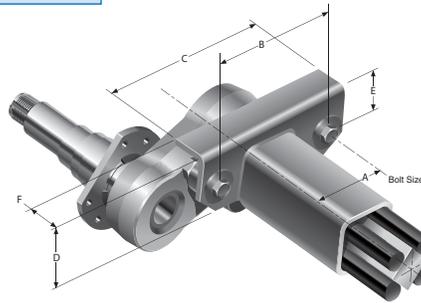
12,000# Dexter Torflex Axles Assembly #14

Made to Order

FEATURES & OPTIONS	
Tubing	4.50" Square
Bearings	#3984 Inner & #28682 Outer
Hub	8 Lug on 6.5"
Brake	12¼" x 5" Electric 12¼" x 5" Hydraulic *duo servo, ABS also available on hydraulic brake
Suspension	Rubber Torsion
Lubrication	Grease/Oil Bath

OVERHANG			
TOTAL	PER SIDE		
Min: 12.25" Max: 34.40"	Spindle #14	Min. 12.75"	Brake 12¼" x 5"
Hub Face minus Frame Width must be between Min. and Max.			

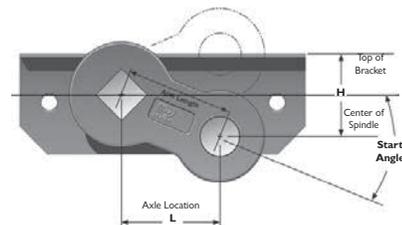
Bracket Dimensions	
	LOW
A	---
B	4.50
C	9.00
D	---
E	12.00
F	4.50
G	---
J	2.44
L	---
P	---
Q	---
Bolt Size	¾" bolt
Tube Size	4.25



Articulation Dimensions

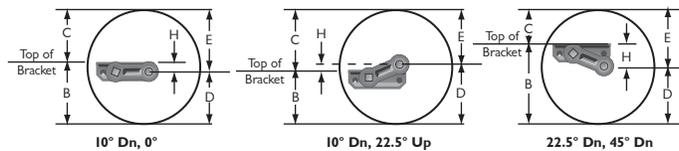
Dimensions are for high profile, top mount only. Side mount is .31" higher. Allow 3" bump clearance from full load.

START ANGLE	BRACKET TYPE	No Load		Full Load		Shock Load	
		H	L	H	L	H	L
45° down	High Profile	7.68	4.24	5.74	5.54	4.74	5.83
32° down	High Profile	6.62	5.09	4.43	5.92	3.44	5.84
22.55° down	High Profile	5.74	5.54	3.44	6.00	2.40	5.91
10° down	High Profile	4.48	5.91	2.14	5.86	1.14	5.54
0°	High Profile	3.44	6.00	1.14	5.54	0.22	5.06
10° up	High Profile	2.40	5.91	0.22	5.06	0.39	4.42
22.5° up	High Profile	1.14	5.5	-0.80	4.24	-1.47	3.44



Full Load Dimensions

Dimensions are for high profile, top mount only. Side mount is .31" higher. Allow 3" bump clearance from full load.



START ANGLE																							
TIRE	D	E	45° Down			32° Down			22.5° Down			10° Down			0° Down			10° Up			22.5° Down		
			H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C	H	B	C
LT235/85R16	14.3	15.4	5.7	20.0	9.70	4.4	18.7	11.0	3.4	17.7	12.0	2.1	16.4	13.3	1.1	15.4	14.3	-0.2	14.5	15.2	-0.8	13.5	16.2
215/75R17.5	14.0	15.3	5.7	19.7	9.60	4.4	18.4	10.9	3.4	17.4	11.9	2.1	16.1	13.2	1.1	15.1	14.2	-0.2	14.2	15.1	-0.8	13.2	16.1
235/75R17.5	14.3	15.7	5.7	20.0	10.0	4.4	18.7	11.3	3.4	17.7	12.3	2.1	16.4	13.6	1.1	15.4	14.6	-0.2	14.5	15.5	-0.8	13.5	16.5
9R17.5HC	15.4	17.1	5.7	21.1	11.4	4.4	19.8	12.7	3.4	18.8	13.7	2.1	17.5	15.0	1.1	16.5	16.0	-0.2	15.6	16.9	-0.8	14.6	17.9
10R17.5HC	15.6	18.0	5.7	21.3	12.3	4.4	20.0	13.6	3.4	19.0	14.6	2.1	17.7	15.9	1.1	16.7	16.9	-0.2	15.8	17.8	-0.8	14.8	18.8

Columns D and E are dimensional examples only: D = Static Loaded Radius E = Inflated Radius

NOTE: Positive numbers in the H column indicate the spindle is BELOW the top of the bracket. Conversely, negative numbers are ABOVE the top of the bracket.

These axles available on request

Information

Hubs & Axles

Brake Assemblies

Suspensions & Fasteners

Tires & Wheels

Couplers Jacks & Winches

Hitches & Towing Accessories

Body Components

Trailer Parts

Lights & Electrical

Locks & Cargo Control

Brake Actuating Systems

Switches

SUSPENSIONS

Inspection and Replacement

All the components of your suspension system should be visually inspected at least every 6,000 miles for signs of excess wear, elongation of bolt holes, and loosening of fasteners. Whenever loose or replaced, the fasteners in your suspension system should be torqued as detailed in the charts below. All wet bolts and equalizers should be greased every 3,000 miles.

CAUTION

You must follow the maintenance procedures to prevent damage to important structural components. Damage to certain structural components such as wheel bearings can cause the wheel to come off of the axle. Loss of a wheel end while the trailer is moving can cause you to lose control and lead to an accident, which can result in serious injury or death.

Suspension Fastener Torque Values

ITEM	Torque (ft. lbs.)	
	MIN	MAX
3/8" U-Bolt	30	50
7/16" U-Bolt	45	70
1/2" U-Bolt	70	80
1/2" U-Bolt/Hexnut	45	70
1/2" Flange Nut	70	80
9/16" U-Bolt	65	95
5/8" U-Bolt	100	120
Shoulder Type Shackles Bolt with 7/16" threads	30	50
Non shoulder type with 9/16" threads	Snug fit only. Parts must rotate freely. Locking nuts or cotter pins are provided to retain nut-bolt assembly.	
• Shackle Bolt		
• Spring Eye Bolt		
• Equalizer Bolt		

NOTE: Worn spring eye bushings, sagging springs, or broken springs should be replaced.

Hubs/Drums/Bearings

Bearing Adjustment and Hub Replacement

If the hub has been removed or bearing adjustment is required, the following adjustment procedure must be followed.

For standard grease or oil axles using cotter pin:

- After placing the hub, bearings, washers, and spindle nut back on the axle spindle in reverse order as detailed in the previous section on hub removal, rotate the hub assembly slowly while tightening the spindle nut to approximately 50 Ft. Lbs. (12" wrench or pliers with full hand force.)
- Then loosen the spindle nut to remove the torque. Do not rotate the hub.
- Finger tighten the spindle nut until just snug.
- Back the spindle nut out slightly until the first castellation lines up with the cotter key hole and insert the cotter pin.
- Bend over the cotter pin legs to secure the nut.
- Nut should be free to move with only restraint being the cotter pin.

Wheels and Tires

Torque Requirements

In June of 2004, Dexter ceased production of trailer wheels. If your vehicle is equipped with Dexter steel wheels manufactured before that date, the following wheel torque information will be applicable.

If your trailer is equipped with wheels produced by other manufacturers, you must consult with the vehicle manufacturer to determine the appropriate torque level for your wheels. However, you must not exceed the limits of the wheel mounting studs on the axles.

CAUTION

Do not attempt to repair or modify a damaged wheel. Even minor modifications can cause a dangerous failure of the wheel and result in personal injury or death.



It is extremely important to apply and maintain proper wheel mounting torque on your trailer axle. Torque is a measure of the amount of tightening applied to a fastener (nut or bolt) and is expressed as length force. For example, a force of 90 pounds applied at the end of a wrench one foot long will yield 90 Ft. Lbs. of torque. Torque wrenches are the best method to assure the proper amount of torque is being applied to a fastener.

CAUTION

Wheel nuts or bolts must be tightened and maintained at the proper torque levels to prevent loose wheels, broken studs, and possible dangerous separation of wheels from your axle, which can lead to an accident, personal injuries or death.

Be sure to use only the fasteners matched to the cone angle of your wheel (usually 60° or 90°).

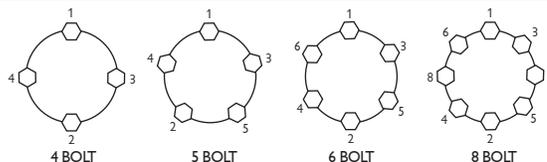
The proper procedure for attaching your wheels is as follows:

- Start all bolts or nuts by hand to prevent cross threading
- Tighten bolts or nuts in the sequence shown for Wheel Torque Requirements.
- The tightening of the fasteners should be done in stages. Following the recommended sequence, tighten fasteners per wheel torque requirements diagram.
- Wheel nuts/bolts should be torqued before first road use and after each wheel removal. Check and re-torque after the first 10 miles, 25 miles, and again at 50 miles. Check periodically thereafter.

Wheel Torque Requirements

(For Dexter Steel Wheels Prior to June of 2004)

ITEM	Torque Sequence (ft. lbs.)		
	1st Stage	2nd Stage	3rd Stage
12"	20-25	35-40	50-75
13"	20-25	35-40	50-75
14"	20-25	50-60	90-120
15"	20-25	50-60	90-120
16"	20-25	50-60	90-120
16.5" x 6.75"	20-25	50-60	90-120
16.5" x 9.75"	55-60	120-125	175-225
14.5" Demount	Tighten sequentially to 85-95		
17.5" Hub Pilot Clamp Ring & Cone Nut	55-60	100-120	190-210 Greased Threads
17.5" Hub Pilot 5/8" Flange Nut	55-60	90-200	275-325
17.5" Hub Pilot 5/8" Swivel Flange Nut	55-60	60-110	150-175



Maximum Wheel Fastener Torque

The wheel mounting studs used on Dexter axles conform to the SAE standards for grade 8. The maximum torque level that can be safely applied to these studs is listed in the following chart:

Stud Size	Maximum Torque
1/2"-20 UNF, class 2A	120 Ft. Lbs
9/16"-18 UNF, class 2A	170 Ft. Lbs
5/8"-18 UNF, class 2A	325 Ft. Lbs

CAUTION

Exceeding the above listed torque limits can damage studs and/or nuts and lead to eventual fractures and dangerous wheel separation.

Dexter's patented Torq-N-Go™ swiveling wheel nut generates significantly more clamp load than standard wheel nuts. Do not exceed the specified torque or the wheel and/or stud may be damaged. Special caution should be observed with steel wheels. Some steel center discs may not be able to withstand the Torq-N-Go™ wheel nuts' specified operating torque. It is the responsibility of the trailer manufacturer to assure that its' wheels are compatible with this wheel nut.