

Date: February 7, 2023

Subject: DexAir™ Medium Duty Axle Ordering Options and Process

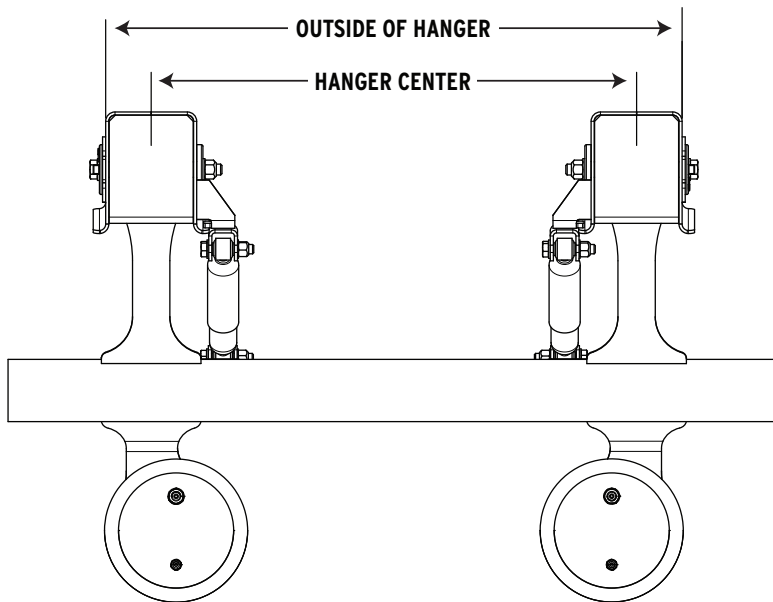
To be more efficient and provide a higher level of customer service, Dexter is providing additional information about the DexAir system, as stated in product bulletin 436.

Dexter customers seeking a DexAir product will need to select the medium duty sprung axle model and choose from the appropriate electric or hydraulic drum and hydraulic disc brake options. The brake options offered on the D100G through Dex-Treme™ D160 axle models come in several hub faces and overhangs to satisfy individual trailer designs. For a complete guide to Dexter's 9,000-16,000 lbs. product offering, please see [Dexter's Medium Duty Catalog \(LIT-123-00\)](#).

Please use the tables below for more overhang and trailing arm location details.

TRAILING ARM SPACING

Axles are built on outside of hanger measurements. Frame should be an additional 1" on either side of the outside of hanger.



CRITICAL DIMENSIONS

	MIN.	MAX.
OUTSIDE OF HANGER	42.31"	73.31"
HANGER CENTER	35.00"	66.00"

OVERHANG MEASUREMENTS

Overhang is measured on DexAir by taking the difference between the hub face and the outside of the hanger. Minimums are based on manufacturing tolerances only. Some tire and wheel combinations may create interference.

AXLE TYPE	CAPACITY	SINGLE WHEEL		DUAL WHEEL	
		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
D100G	10,000 lbs.	22.00"	41.75"	23.63"	41.13"
D100HD	10,000 lbs.	22.75"	41.75"	23.38"	41.13"
D120 - Low Profile	12,000 lbs.	29.75"	33.75"	30.38"	33.13"
D120 - High Profile	12,000 lbs.	23.75"	33.75"	24.38"	33.13"
D150	15,000 lbs.	n/a	n/a	24.50"	25.75"
DEX-TREME D160	16,000 lbs.	n/a	n/a	24.50"	25.75"



INSTALLATION KIT

Axles will be supplied to customers with trailing arms welded to the axle tube and with the following loose items needed for installation:

PART NUMBER	QTY	DESCRIPTION
028-136-00	1	Adjustable hanger assembly, weld-on (LH)
028-137-00	1	Adjustable hanger assembly, weld-on (RH)
K71-983-00	1	Suspension Installation Kit: air bags, shocks, and pivot hardware

RIDE HEIGHT CONTROL VALVE KIT

Each trailer requires a ride height control valve kit, regardless of axle count (single, tandem, or triple). This kit is shipped loose and must be ordered separately.

PART NUMBER	QTY	DESCRIPTION
K71-095-00	1	Ride height control valve with mounting bracket and hardware

AIR SUPPLY SYSTEM

The DexAir system requires an air supply. If truck is not equipped with air, use Dexter's air supply system.

PART NUMBER	QTY	DESCRIPTION
K71-984-00	1	Air supply system, includes 1/4 HP air compressor, 8" air tank, pressure switch and mounting hardware

Please contact your Dexter account manager for additional information and further assistance.

Mark Nave
Product Manager