

# Dana Spicer®

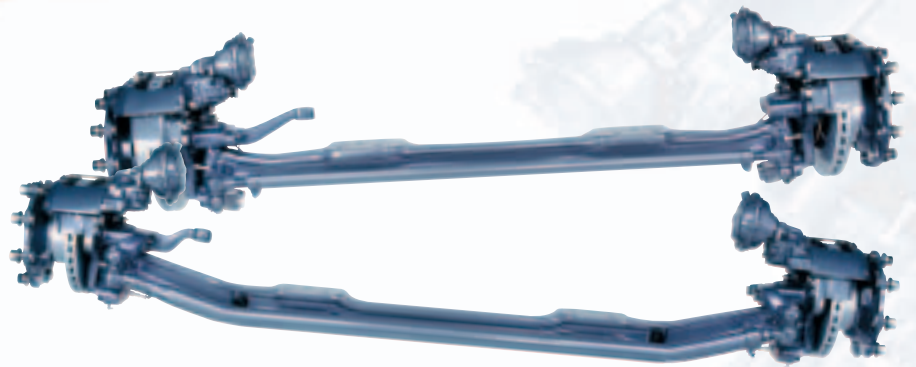
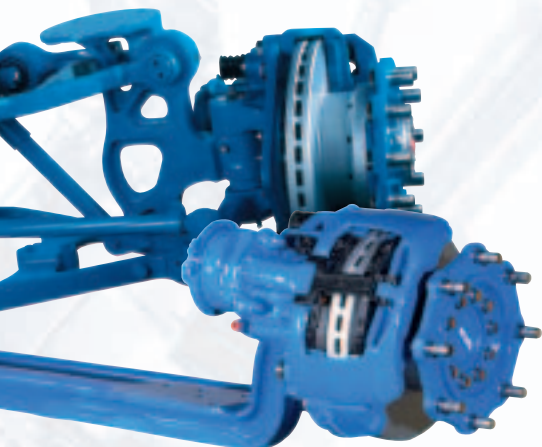
## Non Driven Steer (NDS), Independent Front Suspension (IFS), and Tag Axles



### ***The Proven Performance You Demand For All Your Axle Needs***

*The Spicer® NDS, IFS, and tag axles provide solutions for vehicle applications requiring durable, adaptable axles that are cost-effective, lightweight, and have the lowest maintenance requirements.*

*The superior design, manufacturing, and quality of the Spicer product line translates into lower life cycle cost for vehicle operators. Contact a Dana representative for additional product options.*



### **Features and Benefits**

Spicer® NDS, IFS, and tag axles offer the latest design technology to provide premium performance on a wide range of applications.

- Forged NDS steel beams and steering knuckles minimise the weight of the axle.
- Large diameter king pins provide longer life and longer time between maintenance periods.
- Compressible king pin inserts improve grease retention.
- NDS axles use sealed thrust bearings, which increase time intervals between maintenance periods.
- Tie rod ends are maintenance-free (sealed for life).
- Low floor and extra-low floor options available on NDS axle range.
- Both right-hand and left-hand top levers for steering drag link connection are available.
- Hydraulic, air disc, or S-cam air brakes available for a variety of applications.
- Available with either conventional wheel hubs or “unitised” hubs featuring pre-adjusted cartridge type hub bearings.
- Available with optional ABS wheel-speed-sensing hardware.
- IFS range is specifically developed to reduce vehicle body roll and to improve ride comfort on bus, coach, and mobile home applications.
- Low roll characteristics on IFS range result in improved vehicle handling and road holding.
- The reduced unsprung weight of the IFS, combined with air suspension, minimises shock loads and vibration transmitted to the vehicle body.

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## NDS, IFS, and Tag Axles

Axle Type	Axle Model	Load Capacity (Tonnes)	Beam Drop (mm)	Camber Angle (°)	King Pin Angle (°)	Back Lock Angle (°)	Brake Type	Wheel Fixing	Minimum Rim Size (inch)	Approximate Total Weight (Kg)
NDS	NDS41	4.8	104	0° 75'	7° 15'	56	Air/Disc or S-Cam Air/Drum	6xM18 on 275 PCD or 10xM22 on 285,75 PCD	17.5	282
NDS	NDS56	6.0	82	0° 75'	7° 15'	53	Air/Disc or S-Cam Air/Drum	8xM20 on 275 PCD or 10xM22 on 285,75 PCD	19.5	346
NDS	NDS56LF	5.0	165	0° 75'	7° 15'	53	Air/Disc or S-Cam Air/Drum	8xM20 on 275 PCD or 10xM22 on 285,75 PCD	19.5	348
NDS	NDS56XLF	5.0	180	0° 75'	7° 15'	53	Air/Disc or S-Cam Air/Drum	8xM20 on 275 PCD or 10xM22 on 335 PCD	19.5	350
NDS	NDS80	8.0	85	0° 75'	7° 15'	55	Air/Disc or S-Cam Air/Drum	10xM22 on 335 PCD or 10 x 7/8 or 1 1/8 on 285,75 PCD	22.5	480
NDS	NDS80LF	8.0	80/212	0° 75'	7° 15'	55	Air/Disc or S-Cam Air/Drum	10xM22 on 335 PCD or 10 x 7/8 or 1 1/8 on 285,75 PCD	22.5	480
IFS	NDIFS66	6.6	N/A	0° 30'	5° 30'	55	Air/Disc	10xM22 on 335 PCD or 10 x 7/8 or 1 1/8 on 285,75 PCD	22.5	565
IFS	NDIFS84	8.5	N/A	0° 30'	5° 30'	55	Air/Disc	10xM22 on 335 PCD or 10 x 7/8 or 1 1/8 on 285,75 PCD	22.5	650
Tag	TS6	5.5	N/A	N/A	N/A	N/A	Air/Disc or S-Cam Air/Drum	10 1/8x16UNF or 7/8x14UNF or M22 on 285,75 PCD	20.0	310
Tag	T75U	7.5	N/A	N/A	N/A	N/A	Air/Disc or S-Cam Air/Drum	10 1/8x16UNF or 7/8x14UNF or M22 on 285,75 PCD	20.0	514
Tag	TS8	8.0	N/A	N/A	N/A	N/A	Air/Disc or S-Cam Air/Drum	10 1/8x16UNF or 7/8x14UNF or M22 on 285,75 PCD	20.0	302

### Nomenclature: NDS, IFS, and Tag Axles

NDS	NDIFS	T	LF	XLF
Non Driven Steer Rigid	Non Driven Independent Front Suspension	Tag Axle	Low Floor Bus	Extra Low Floor Bus

For more information, contact: [www.dana.com/commercial\\_vehicle\\_systems](http://www.dana.com/commercial_vehicle_systems)



### Commercial Vehicle Systems Europe

**Dana Automoción S.A.**  
 Polígono Landaben, Calle E s/n  
 31012 Pamplona – Spain  
**T: +34 948 289 100**  
**F: +34 948 188 164**