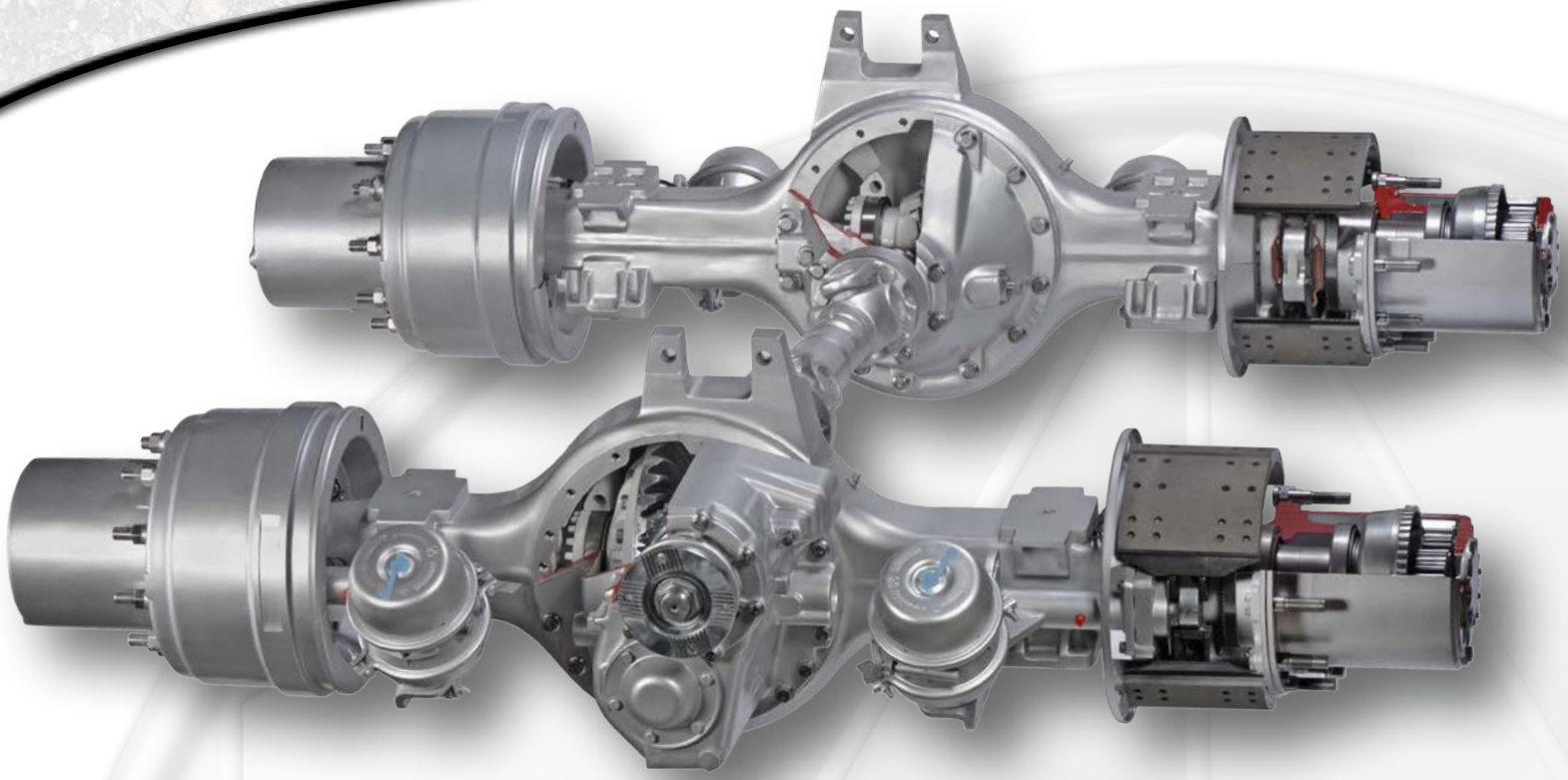
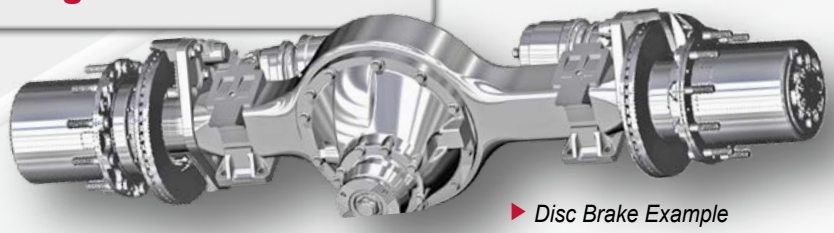
AXN | HEAVY DUTY

HUB REDUCTION
470 SERIES DRIVE AXLES
FEATURES



KEY FEATURES

- ✔ High capacity gears (ground gears also available)
- ✔ Premium cassette seal design
- ✔ High quality welded housing
- ✔ Large range of AXN drum and disc brakes
- ✔ Precision forged differential gears
- ✔ Several configurations and sizes
- ✔ Rolled splines and threads
- ✔ Available with ABS and automatic slack adjuster
- ✔ Strong bolted joints with special self-locking bolts
- ✔ Planet Gears with needle bearings



Disc Brake Example

HUB REDUCTION
470 SERIES DRIVE AXLES
SPECIFICATIONS

AXN | HEAVY DUTY

✔ World Class Manufacturing

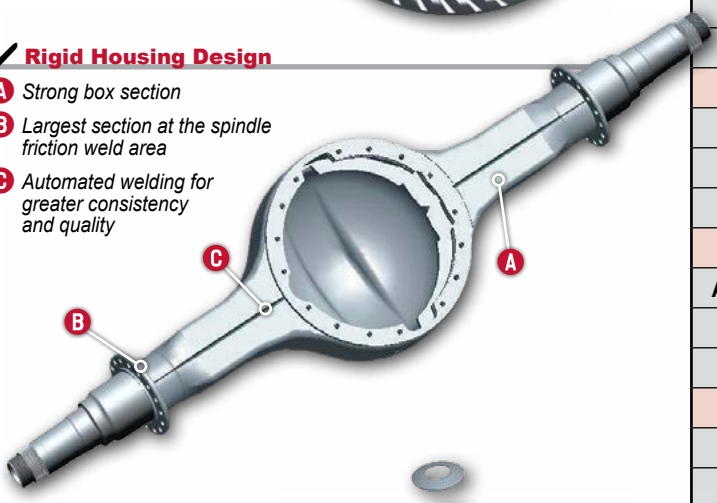
AXN axles are produced in a state-of-the-art manufacturing facility using the latest technology in production equipment with high capability, automation, and quality. We utilize advanced heat-treat technology which allows us to be compliant with the new CQI-9 heat treat standards.

✔ High Gear Quality Grade per AGMA

- **A** *Hypoid gear set design with large master diameter and face width*
- **B** *Available with ground gearing for ultra-low noise levels*

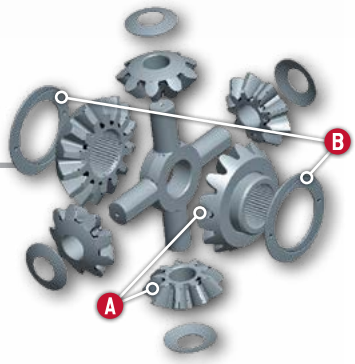
✔ Rigid Housing Design

- **A** *Strong box section*
- **B** *Largest section at the spindle friction weld area*
- **C** *Automated welding for greater consistency and quality*



✔ Maximum Strength Differential Gearing

- **A** *Precision forged for maximum strength*
- **B** *Carburized side gear washers for long life*

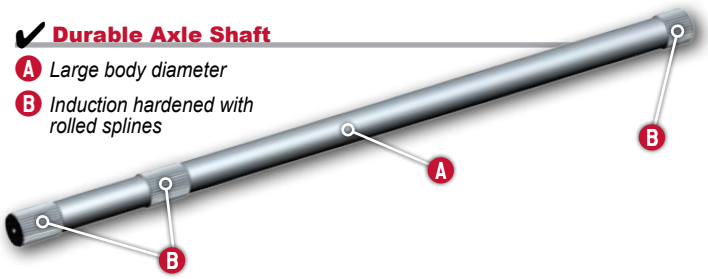


AXN HUB REDUCTION AXLES 470 SERIES CHARACTERISTICS			
Models	Single Axle	Tandem Axle	
	HPS-36-470	HPT-30-470	HPT-36-470
LOAD CAPACITY			
GAWR (lbs.)	36,000	60,000	72,000
GCWR (lbs.)[1]	170,000	330,000	
MAIN DIMENSIONS			
Track (in.)[2]	72.3; 73.5; 79.4; 80.0		
Spring Centers (in.)	37.0 to 41.0		
HYPOID GEARS			
Master Gear Diameter (in.)	18.5		
Face Width (in.)	3.2		
Total Axle Ratios[3]	7.93:1 to 21.14:1		
HOUSING			
Box Section (in.)	6.30 x 6.30		
Wall thickness (in.)	0.63	0.55	0.63
Friction Weld (in.)	∅ 5.91		
AXLE SHAFT			
Axle Shaft Body (in.)	∅ 1.89		
Process	Induction Hardened		
Axle Shaft Spline	∅ 2.10 - 41 teeth		
BRAKE			
Drum (in.)	16.5 x 8.62		
Disc (in.)	22.5 (optional)		
WHEEL END			
Wheel Mounting	335mm BC - 10 Stud		

1 - *On-highway applications.*
2 - *Other dimensions possible upon request.*
3 - *Consult AXN Sales Department for immediate availability.*

✔ Durable Axle Shaft

- **A** *Large body diameter*
- **B** *Induction hardened with rolled splines*



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