

Power Take-Off (PTO) Drive Shaft Related Standards

For OEM Designers and Engineers

ASAE S205 – Power Take-Off Definitions and Terminology for Agricultural Tractors

ASAE S207 – Operating Requirements for Tractors and Power Take-Off Driven Implements

SAE J284 – Safety Alert Symbol for Agricultural, Construction, and Industrial Equipment

ANSI/ASAE S318 – Safety for Agricultural Field Equipment

ANSI/ASAE S331 – Implement Power Take-Off Drive Shaft Specifications

ASAE S431 – 2000-RPM Front and Mid PTO for Lawn and Garden Ride-on Tractors and Commercial Turf Equipment, Mid PTO for Compact Utility Tractors

ANSI/ASABE AD500-1 - Agricultural tractors - Rear-mounted power take-off types 1, 2, 3 and 4 - Part 1: General specifications, safety requirements, dimensions for master shield and clearance zone

ANSI/ASABE AD500-2 - Agricultural tractors - Rear-mounted power take-off types 1, 2, 3 and 4 - Part 2: Narrow-track tractors, dimensions for master shield and clearance zone

ASABE/ISO 500-3 - Agricultural tractors - Rear-mounted power take-off types 1, 2, 3 and 4 - Part 3: Main PTO dimensions and spline dimensions, location of PTO

ANSI/ASABE S604 - Safety for Power Take-off (PTO), PTO Drive Shafts, and Power Input Connection (PIC) for Agricultural Field Equipment

ANSI/ASABE AD730 - Agricultural wheeled tractors - Rear-mounted three-point linkage - Categories 1N, 1, 2N, 2, 3N, 3, 4N and 4

ANSI/ASABE AD3600 - Tractors, machinery for agriculture and forestry, powered lawn and garden equipment – Operator’s manuals – Content and format

ASABE/ISO 3767-2 - Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 2: Symbols for agricultural tractors and machinery

ANSI/ASABE AD5673-1 - Agricultural tractors and machinery - Power take-off drive shafts and power-input connection - Part 1: General manufacturing and safety requirements

ANSI/ASABE AD5673-2 - Agricultural tractors and machinery - Power take-off drive shafts and power-input connection - Part 2: Specification for use of PTO drive shafts, and position and clearance of PTO drive line and PIC for various attachments

ANSI/ASABE AD5674 - Tractors and machinery for agricultural and forestry - Guards for power take-off (PTO) drive shafts- Strength and wear tests and acceptance criteria

ANSI/ASABE AD6489-3 - Agricultural vehicles - Mechanical connections between towed and towing vehicles - Part 3: Tractor drawbar

ANSI/ASABE AD8759-1 - Agricultural tractors - Front-mounted equipment - Part 1: Power take-off: Safety requirements and clearance zone around PTO

ANSI/ASABE AD8759-2 - Agricultural wheeled tractors - Front-mounted equipment - Part 2: Stationary equipment connection

ANSI/ASABE AD8759-3 - Agricultural tractors - Front-mounted equipment - Part 3: Power take-off: General specifications and location

ANSI/ASABE AD8759-4 - Agricultural tractors - Front-mounted equipment - Part 4: Three-point linkage

ANSI/ASABE AD11001-1 – Agricultural wheeled tractors – Three-point hitch couplers – Part 1: U-frame coupler

ANSI/ASABE AD11684 - Tractors, machinery for agricultural and forestry, powered lawn and garden equipment – Safety signs and hazard pictorials - General principles

ANSI/ASABE AD24347 - Agricultural vehicles - Mechanical connections between towed and towing vehicles – Dimensions of ball-type coupling device (80 mm)

ASABE/ISO TS 28294 – Agricultural machinery – Guards for moving parts of power transmission – Guard opening without tool

Other standards may apply for particular types of implements. Standards may be found at www.asabe.org.



Agricultural Driveline Manufacturers Association

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