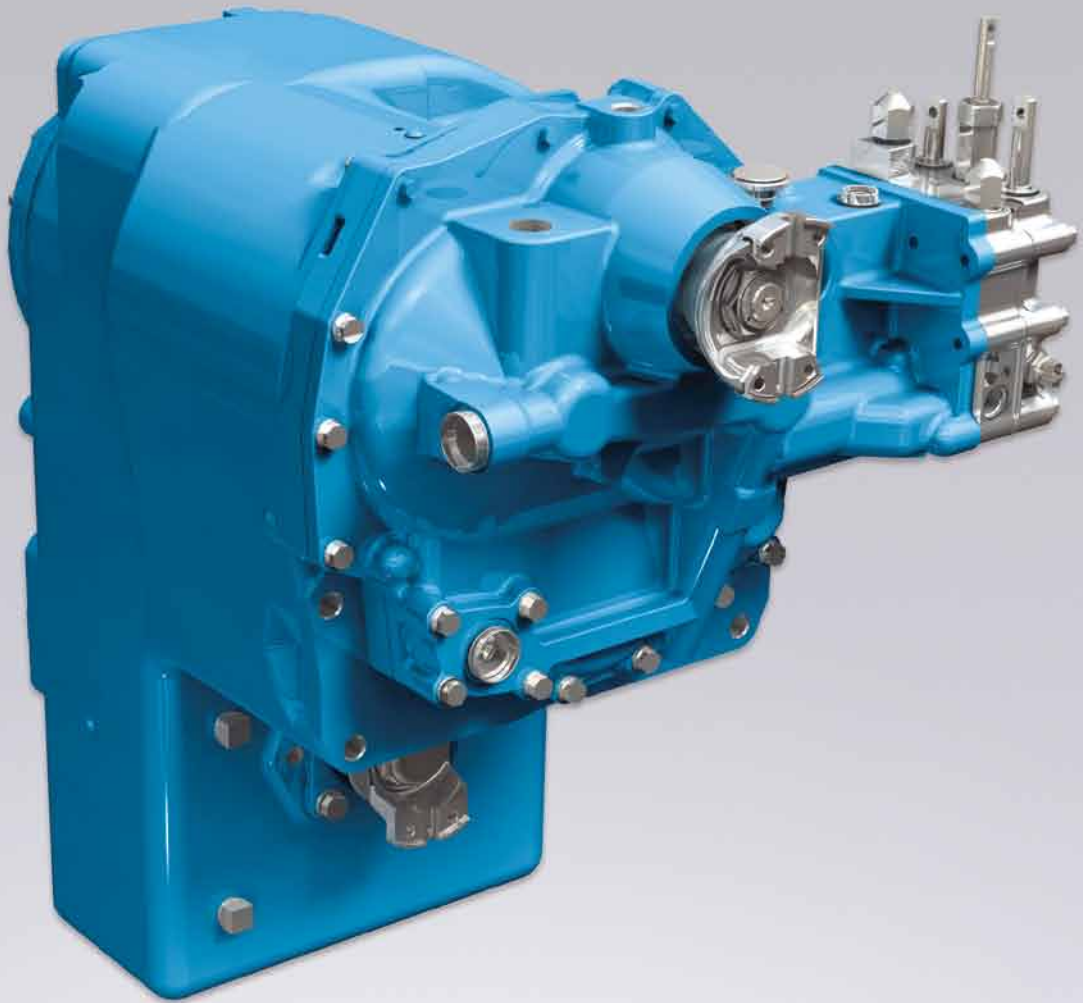


32000 Series Powershift Transmission

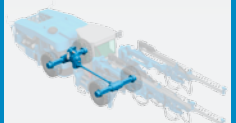
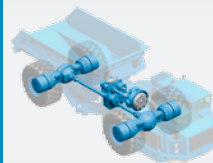
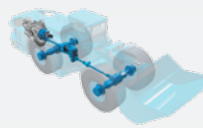
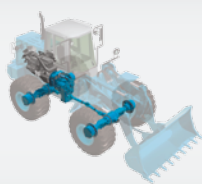
93 to 167 kW (125 to 225 hp)



SPICER®
Off-Highway Systems



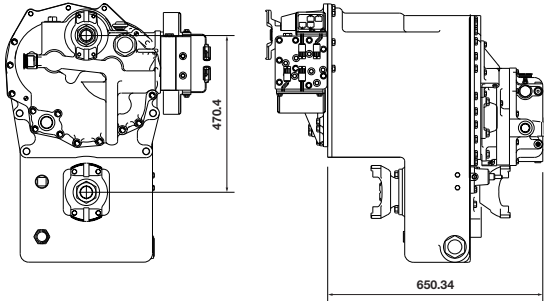
Equipped for heavy-load work, supplying power to mid-range front end loaders, mining load haul dumpers, mining trucks, and mining drill carriers.



32000 Series Powershift Transmission

93 to 167 kW (125 to 225 hp)

Robust and field proven, the Spicer® 32000 Series powershift transmission provides optimal torque for heavy-hauling and mining applications. Numerous configurations, ratios, and options offer highly adaptable solutions to meet almost any vehicle requirement.



Features and Benefits

- Easier shifting for increased operator comfort and performance
- 3- and 4- speed full powershift transmissions
- 6- and 8- speed range shift: 6-speed full powershift (S32)
- Short and long drop configurations available
- 12-inch and 13-inch converter wheel options
- Flex plate drive
- Helical output gears for minimized noise and increased torque capability

OPTIONS

- Inching
- 12v or 24v
- Declutch
- Speed Sensors: Engine, Turbine, and/or Output Speed
- Emergency Steer Pump Drive
- Output Disconnect: Front or Rear
- Converter Freewheel
- Converter Lock-Up

General Rating

Input Power kW (hp)	93 to 167 (125 to 225)
Input Maximum (RPM)	3100
Turbine Stall Nm (ft-lb)	1325 (975)
Total Assembled Weight with SAE 3 Bell Housing Kg (lb)	Short Drop: HR – 360.6 (795) MHR – 378.8 (835) R – 274.4 (605)
	Long Drop: HR – 437.7 (965) MHR – 446.8 (985) R – 334.8 (738)

Converter

Housing	SAE No. 3 (Dry)
Stall Torque Ratio Option	3.10, 2.87, 2.73, 2.13, 1.82
Torque Converter Diameter mm (in)	300 (12,13)
Mounting	Integral engine mount, Remote mount, Mid-mount
Option	Lock-up, Freewheel

Auxiliary Pump Drive

Pump Drive Ratio	1.021:1
Torque Capacity Nm (ft-lb)	353 (260)
Pad Type	SAE "A," "B," or "C"
Pump Mounting	2- or 4-bolt

Flanges

Spicer	Output: 387/30, 1480/1550, 1600, 1650/1700 (15T spline)
	Input: 387/30, 1480/1550, 155KV70 (15T spline)
Mechanics	Output: 6C, 7C, 8.5C (14T spline)
	Input: 5C, 6C, 7C (14T spline)

Ratios (Standard)

Short Drop	1 st Gear	2 nd Gear	3 rd Gear	4 th Gear	5 th Gear	6 th Gear
3x3	4.04	1.94	0.71			
4x4	4.73	2.45	1.41	0.79		
Long Drop	1 st Gear	2 nd Gear	3 rd Gear	4 th Gear	5 th Gear	6 th Gear
3x3	4.20	2.07	0.76			
4x4	4.30	2.07	1.19	0.69		
6x6	14.95	7.07	2.59	5.14	2.43	0.89
8x8	10.62	5.12	2.95	1.83	4.30	2.07

Additional ratios are available.

Dimensions – Oil Capacity

Output Drop Vertical mm (in)	Short drop: 245.3 (9.66)
	Long drop: 470.4 (18.52)
Oil Capacity L (gal)/Type	18.9 (5.0)
Standard Oil Filter	Integral 244692 (with charge pump group)
Optional Oil Filter	Spin-On, Cartridge, Hi-Efficiency

Sales Office – Italy
Zona Industriale
Arco, Italy 38062

www.dana.com/offhighway



SPICER®

Off-Highway Systems

Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.