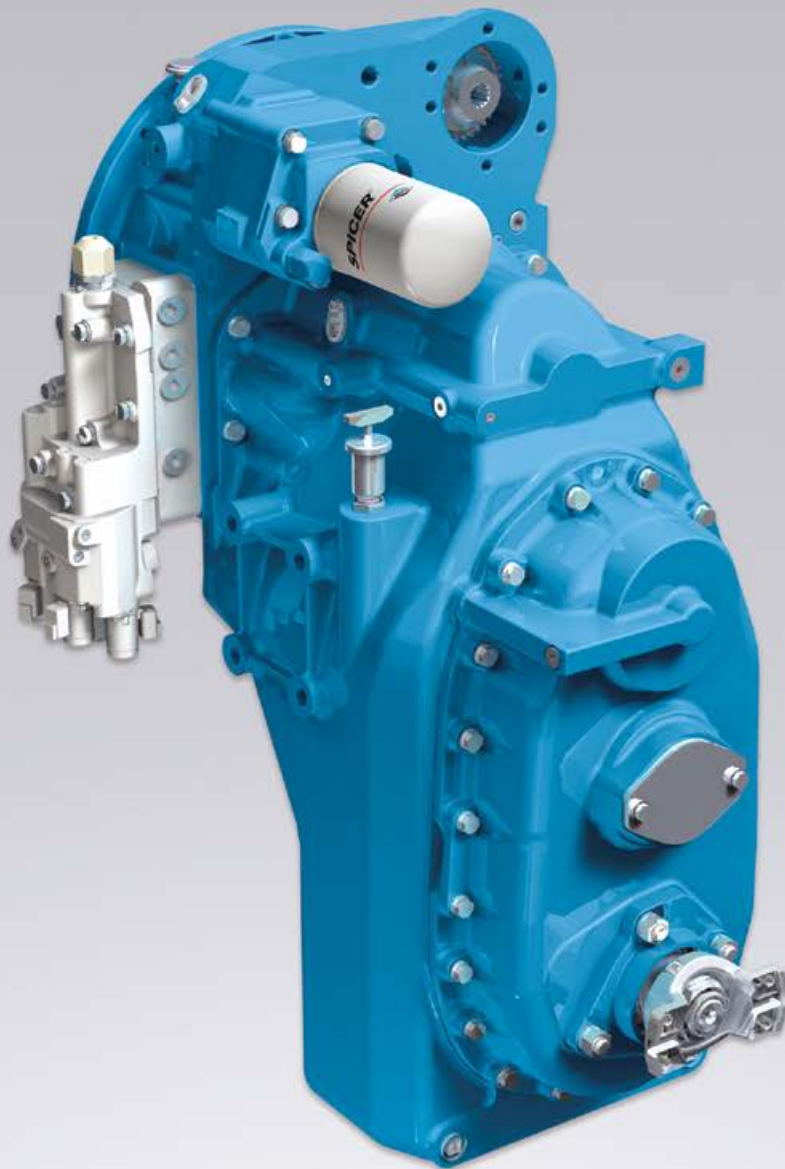


T20000 Series Powershift Transmission

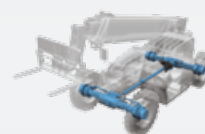
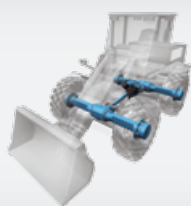
67 – 97 kW (90 – 130 hp)



SPICER®
Off-Highway Systems



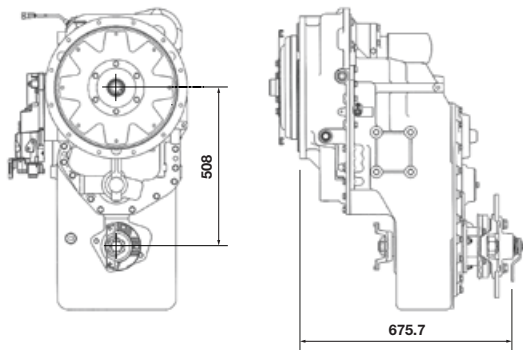
Versatile, heavy-load transmission for compact front-end loaders, teleboom handlers, mining load haul dumpers, and mining drill carriers.



T20000 Series Powershift Transmission

67 – 97 kW (90 – 130 hp)

Designed for heavy-duty applications, the Spicer® T20000 powershift transmission features helical gearing, providing increased torque on rugged terrain under heavy loads. Powershift technology allows for smooth shifting, with less wear on gears.



Features and Benefits

- 2-, 3-, 4-, and 6-speed ratios, providing a broader range to fit various off-highway applications
- Inline, intermediate, and long drop configurations available
- SAE “B” or “C” pump drive
- Wide ratio ranges
- Integral or remote mounted control valves, pumps, and filters
- Helical gearing for increased torque
- Flex plate drive

OPTIONS

- Modulation
 - Inching
- 12v or 24v
 - Declutch
- Emergency Steer Pump Drive
- Speed Sensors: Engine and/or Turbine Speed
- Output Disconnect:
 - Long Drop: External (Front or Rear)
 - Intermediate Drop: Internal (Front only)

General Rating

Input Power kW (hp)	67 – 97 (90 – 130)
Input RPM Maximum	3,100 no-load governed
Turbine Stall Nm (ft-lb)	814 (600)
Total Assembled Weight with SAE 3 Bell Housing Kg (lb)	Inline: 247 (543)
	Intermediate Drop: 3 SPD – 280 (616)
	Long Drop: 3 SPD – 329 (724) 6 SPD RS – 371 (816) 4/6 SPD FPS – 380 (836)

Converter

Housing	SAE No. 3 (Dry)
Stall Torque Ratio Options	3.01, 2.91, 2.30, 2.209, 2.12, 1.96, 1.93
Torque Converter Diameter mm	300
Mounting	Integral engine mount, remote mount, mid-mount

Auxiliary Pump Drive

Pump Drive Ratio	1:1
Torque Capacity Nm (ft-lb)	340 (250)
Pad Type	SAE “B”, “B-B”, or “C”
Pump Mounting	2- or 4-bolt

Flanges

Spicer	Output: 1410, 1480/1550, 1480, 1600
	Input: 1410, 1480/1550, 1480
Mechanics	Output: 5C, 6C, 7C
	Input: 4C, 5C, 6C
GWB	Output: DIN120, DIN150
	Input: DIN120, DIN150

Ratios (Standard)

Inline	1st Gear	2nd Gear	3rd Gear	4th Gear	5th Gear	6th Gear
2x2	6.17	2.84				
3x3	6.17	2.84	1.00			
Intermediate Drop	1st Gear	2nd Gear	3rd Gear	4th Gear	5th Gear	6th Gear
3x3	6.17	2.84	1.00			
Long Drop	1st Gear	2nd Gear	3rd Gear	4th Gear	5th Gear	6th Gear
3x3	4.00	2.24	0.72			
4x3	5.49	2.53	1.09	0.76		
6x3	9.07	6.33	3.57	2.49	1.19	0.83
6x6	10.81	4.73	1.58	4.83	2.11	0.70

Additional ratios are available.

Dimensions – Oil Capacity

Output Drop Vertical mm (in)	Inline: 0 (0)
	Intermediate Drop: 311.15 (12.25)
	Long Drop: 508.00 (20.00)
Oil Capacity L (gal)/Type	Inline: Approx. 10.30 (2.70)
	Intermediate Drop: Approx. 16 (4.20)
	Long Drop: 3 SPD & 6 SPD RS: Approx. 18.90 (5.00) 4 & 6 sp FPS: Approx. 24.00 (6.30)
Standard Oil Filter	Integral spin-on 247050
Optional Oil Filter	Remote

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.