



Getriebeübersicht Truck

Transmission Program, Truck

Automatische Getriebe Automatic Transmissions

Getriebe- Bezeichnung	Eingangs- Drehmoment	Gangzahl	Übersetzungsbereich	Einbau- Abmessungen	Retarder	Gewicht*	Ölfüllmenge	Nebenabtrieb
Transmission designation	Input torque	No. of gears	Ratio spread	Installation dimensions	Retarder	Mass/weight*	Oil capacity	PTO
	 Nm / Lb/ft		 $i =$	 SAE mm	 ZF-Intarder	 +ZF-Intarder kg	 +ZF-Intarder Liter / Litre	 N1/4/10 N-PL

ZF-AS TRONIC *lite*

6 AS 700 TO	700/516	6	6.02–0.79; R 5.58	2 709	–	119 –	6.0 –	○ –
6 AS 800 TO	850/627	6	6.58–0.78; R 6.06	2 709	–	140 –	9.8 –	○ –
6 AS 1000 TO	1050/774	6	6.75–0.78; R 6.06	2 709	–	152 –	9.3 –	○ –

ZF-AS TRONIC *mid*

12 AS 1010 TD	1000/738	12	12.84–1.00; R 13.07	1/2 840	–	183 –	7.8 –	○ ○
12 AS 1010 TO	1000/738	12	10.37–0.81; R 10.56	1/2 840	–	183 –	7.8 –	○ ○
12 AS 1210 TO	1200/886	12	10.37–0.81; R 10.56	1/2 840	–	183 –	7.8 –	○ ○
12 AS 1220 TD	1200/886	12	12.84–1.00; R 13.07	1/2 900	–	201 –	9.3 –	○ ○
12 AS 1420 TD	1400/1033	12	12.84–1.00; R 13.07	1/2 900	–	201 –	9.3 –	○ ○
12 AS 1420 TO	1400/1033	12	10.37–0.81; R 10.56	1/2 900	–	201 –	9.3 –	○ ○
12 AS 1620 TO	1600/1181	12	10.37–0.81; R 10.56	1/2 900	–	201 –	9.3 –	○ ○

ZF-AS TRONIC

12 AS 1630 TD	1600/1181	12	15.86–1.00; R 14.68	1 910	○	242 312	12.0 22	○ ○
12 AS 1930 TD	1900/1402	12	15.86–1.00; R 14.68	1 910	○	242 312	12.0 22	○ ○
12 AS 1930 TO	1900/1402	12	12.33–0.78; R 11.41	1 910	○	240 310	12.0 22	○ ○
12 AS 2130 TD	2100/1550	12	15.86–1.00; R 14.68	1 910	○	242 312	12.0 22	○ ○
12 AS 2130 TO	2100/1550	12	12.33–0.78; R 11.41	1 910	○	240 310	12.0 22	○ ○
12 AS 2140 TD	2100/1550	12	15.86–1.00; R 14.68	1 953	○	256 326	13.0 23	○ ○
12 AS 2330 TD	2300/1697	12	15.86–1.00; R 14.68	1 910	○	242 312	12.0 22	○ ○
12 AS 2330 TO	2300/1697	12	12.33–0.78; R 11.41	1 910	○	240 310	12.0 22	○ ○
12 AS 2340 TD	2300/1697	12	15.86–1.00; R 14.68	1 953	○	256 326	13.0 23	○ ○
12 AS 2530 TO	2500/1845	12	12.33–0.78; R 11.41	1 910	○	240 310	12.0 22	○ ○
12 AS 2540 TD	2500/1845	12	15.86–1.00; R 14.68	1 953	○	256 326	13.0 23	○ ○
12 AS 2540 TO	2500/1845	12	12.29–0.78; R 11.38	1 953	○	252 322	13.0 23	○ ○
12 AS 2740 TO	2700/1993	12	12.29–0.78; R 11.38	1 953	○	252 322	13.0 23	○ ○
12 AS 2940 TO	2900/2139	12	12.29–0.78; R 11.38	1 953	○	252 322	13.0 23	○ ○
12 AS 3140 TO	3100/2286	12	12.29–0.78; R 11.38	1 953	○	252 322	13.0 23	○ ○
16 AS 2230 TD	2200/1624	16	17.03–1.00; R 15.77	1 953	○	255 325	13.0 23	○ ○
16 AS 2630 TO	2600/1919	16	14.12–0.83; R 13.07	1 953	○	252 322	13.0 23	○ ○

ZF-TC TRONIC

12 TC 2740 TO	2700/1993	12	12.29–0.78; R 11.38	1 1315	–	545 –	29.0 –	○ ○
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Automatische Getriebe

Automatic Transmissions

Getriebe-Bezeichnung	Eingangsdrehmoment	Gangzahl	Übersetzungsbereich	Einbau-Abmessungen	Gewicht*	Ölfüllmenge	Zusätzl. Radsatz	EST 146/147	CAN-Komm.	Ohne CAN	Not-schaltung
Transmission designation	Input torque	No. of gears	Ratio spread	Installation dimensions	Mass/weight*	Oil capacity	Add. gear set	EST 146/147	CAN comm.	W/o CAN comm.	Emerg. gearshift
	Nm / Lb/ft		i	SAE mm	kg	Liter / Litre			CAN		

ZF-ECOMAT

5 HP 502 C	1050/770 1050/770	5 5	3.43-0.83 5.60-1.00	1/2 693 1/2 795	270 326	~30 ~30	- ●	● ●	● ●	○ ○	- -
6 HP 502 C	1050/770 1050/770	6 6	3.43-0.59** 5.60-0.83	1/2 693 1/2 795	280 326	~30 ~30	- ●	● ●	● ●	○ ○	- -
5 HP 592 C	1200/880 1200/880	5 5	3.43-0.83 5.60-1.00	1/2 693 1/2 795	285 336	~30 ~30	- ●	● ●	● ●	○ ○	- -
6 HP 592 C	1200/880 1200/880	6 6	3.43-0.59** 5.60-0.83	1/2 693 1/2 795	285 336	~30 ~30	- ●	● ●	● ●	○ ○	- -
5 HP 602 C	1600/1180 1600/1180	5 5	3.43-0.83 5.60-1.00	1/2 693 1/2 795	300 334	~30 ~30	- ●	● ●	● ●	○ ○	- -
6 HP 602 C	1600/1180 1600/1180	6 6	3.43-0.59** 5.60-0.83	1/2 693 1/2 795	300 346	~30 ~30	- ●	● ●	● ●	○ ○	- -
5 HP 902 C	2000/1470 2000/1470	5 5	3.43-0.83 5.60-1.00	1/2 693 1/2 795	310 344	~30 ~30	- ●	● ●	● ●	○ ○	○ ○
6 HP 902 C	2000/1470 2000/1470	6 6	3.43-0.59** 5.60-0.83	1/2 693 1/2 795	310 356	~30 ~30	- ●	● ●	● ●	○ ○	○ ○
7 HP 902 C	2000/1470	7	5.60-0.59**	1/2 795	356	~30	●	●	●	○	○

Alle Ecomat-Getriebe sind auch mit motorabhängigem Nebenabtrieb lieferbar.
All Ecomat transmissions also available with engine-dependent PTO.

Bezeichnung der Getriebe

Transmission Designations

Automatische Getriebe Automatic Transmissions		Gangzahl Number of gears	Technologiefamilie Technological family	Drehmomentgrenze Torque limit	Produktfamilie Product family	Variante ¹⁾ Variant ¹⁾	Ausführung Mode
Zahl = Anzahl der Gänge Number = number of gears	AS = Automatisches Getriebesystem, AS = automatic transmission system TC = TC Tronic (AS+WSK) TC = TC Tronic (AS+WSK)	12	Drehmoment [Nm] = Faktor x 100 Torque [Nm] = factor x 100	0 = AS Tronic lite, 1 = AS Tronic mid kurz, 2 = AS Tronic mid lang, 3 = AS Tronic kurz, 4 = AS Tronic mid lang, 3 = AS Tronic short, 4 = AS Tronic long	0 = Standard, 1 = Intarder, O = standard, 1 = Intarder, 5 = durch-/engine-dependent PTO	T = Truck, D = Direktgang, O = Schnellgang Application-specific upgrades possible	TD

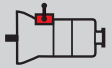








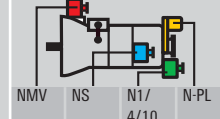
Ecomat		Gangzahl Number of gears	Technologiefamilie Technological family	Drehmomentgrenze Torque limit	Produktgeneration Techn. generation	Ausstattung Variant
Zahl = Anzahl der Gänge Number = number of gears	HP = Hydro-Planetengetriebe HP = Hydro planetary transmission	6	50 = max. 1100 Nm, 59 = max. 1250 Nm, 60 = max. 1600 Nm, 90 = max. 2000 Nm	0 = Ecomat 2 = Ecomat 2 plus	C = CAN-fähig C = with CAN	C

¹⁾ Bei Kombinationen wird die niedrigste Ziffer eingesetzt.

¹⁾ In case of combinations, the lowest number is used.

Manuelle Getriebe

Manual Transmissions

Getriebe-Bezeichnung	Eingangs-Drehmoment	Gang-zahl	Übersetzungs-bereich	Einbau-Abmessungen	Retarder	Gewicht*	Ölfüllmenge	Servo-shift	Nebenabtrieb
Transmission designation	Input torque	No. of gears	Ratio spread	Installation dimensions	Retarder	Mass/weight*	Oil capacity	Servo-shift	PTO
	 Nm / Lb/ft		 $i =$			 kg	 Liter / Litre		

ZF-ECOLITE

S 5-42	580/428	5	5.72-0.76; R 5.24	3 485/619	-	73/78	-	3.2	-	-	-	○	-	-
S 5-42	600/443	5	4.65-0.77; R 4.35	3 485/619	-	73/78	-	3.2	-	-	-	○	-	-
6 S 700 TO	700/516	6	6.02-0.79; R 5.58	2 709	-	103	-	6.0	-	○	-	-	○	-
6 S 800 TO	850/627	6	6.58-0.78; R 6.06	2 709	-	124	-	9.8	-	○	-	-	○	-
6 S 1000 TO	1050/774	6	6.75-0.78; R 6.06	2 709	-	136	-	9.3	-	○	-	-	○	-
6 S 1200 TD	1250/923	6	7.72-1.00; R 7.10	1 588	-	170	-	11.5	-	-	-	-	○	-

ZF-ECOMID

9 S 75	770/568	9	13.16-1.00; R 11.74	2/1 630	-	125	-	10.5/9.5	-	-	-	-	○	-
9 S 75	900/664	9	9.56-0.73; R 8.53	2/1 630	-	125	-	10.5/9.5	-	-	-	-	○	-
9 S 1110 TD	1100/812	9	12.73-1.00; R 12.04	2/1 840	○	190 245	-	8.8 21	-	○	-	-	○	○
9 S 1110 TO	1100/812	9	9.48-0.75; R 8.97	2/1 840	○	190 245	-	8.8 21	-	○	-	-	○	○
9 S 1310 TO	1300/959	9	9.48-0.75; R 8.97	2/1 840	○	190 245	-	8.8 21	-	○	-	-	○	○

ZF-ECOSPLIT

12 S 2130 TD	2100/1550	12	15.57-1.00; R 14.57	1 930	○	280 350	-	13.2 21	-	●	-	-	○	○
12 S 2330 TD	2300/1697	12	15.57-1.00; R 14.57	1 1015	○	310 380	-	15.1 23	-	●	-	-	○	○
12 S 2833 TD	2800/2066	12	15.57-1.00; R 14.57	1 1015	○	310 380	-	15.1 23	-	●	-	-	○	○
16 S 1620 TD	1600/1181	16	16.41-1.00; R 15.36	1 930	○	289 362	-	11.0 18.5	-	○	○	-	○	○
16 S 1630 TD	1600/1181	16	16.41-1.00; R 15.36	1 930	○	284 354	-	12.5 20.5	-	●	-	-	○	○
16 S 1820 TO	1850/1365	16	13.80-0.84; R 12.92	1 930	○	289 362	-	11.0 18.5	-	○	○	-	○	○
16 S 1830 TO	1850/1365	16	13.80-0.84; R 12.92	1 930	○	284 354	-	12.5 20.5	-	●	-	-	○	○
16 S 1920 TD	1900/1402	16	16.41-1.00; R 15.36	1 1015	○	315 388	-	13.0 21.5	-	○	○	-	○	○
16 S 1930 TD	1900/1402	16	16.41-1.00; R 15.36	1 1015	○	310 380	-	14.5 22.5	-	●	-	-	○	○
16 S 2220 TO	2200/1624	16	13.80-0.84; R 12.92	1 1015	○	315 388	-	13.0 21.5	-	○	○	-	○	○
16 S 2230 TO	2200/1624	16	13.80-0.84; R 12.92	1 1015	○	310 380	-	14.5 22.5	-	●	-	-	○	○
16 S 2220 TD	2200/1624	16	16.41-1.00; R 15.36	1 1015	○	319 392	-	13.0 21.5	-	○	○	-	○	○
16 S 2230 TD	2200/1624	16	16.41-1.00; R 15.36	1 1015	○	314 384	-	14.5 22.5	-	●	-	-	○	○
16 S 2320 TD	2350/1734	16	16.41-1.00; R 15.36	1 1015	○	319 392	-	13.0 21.5	-	○	○	-	○	○
16 S 2330 TD	2350/1734	16	16.41-1.00; R 15.36	1 1015	○	314 384	-	14.5 22.5	-	●	-	-	○	○
16 S 2520 TO	2500/1845	16	13.80-0.84; R 12.92	1 1015	○	319 392	-	13.0 21.5	-	○	○	-	○	○
16 S 2530 TO	2500/1845	16	13.80-0.84; R 12.92	1 1015	○	314 384	-	14.5 22.5	-	●	-	-	○	○
16 S 2730 TO	2700/1993	16	13.80-0.84; R 12.92	1 1031	○	329 399	-	15.0 23.0	-	●	-	-	○	○

● Standard

○ Option

- nicht erhältlich / Not available

* Ohne Öfüllung / Without oil fill

** bei $i = 0.59$, $n_{max} = 2000 \text{ min}^{-1}$, nur mit elektr. Motorführung / At $i = 0.59$, $n_{max} = 2000 \text{ rpm}$, only with EEC

Bezeichnung der Getriebe Transmission Designations

Manuelle Getriebe Manual Transmissions							
Zahl = Anzahl der Gänge Number = number of gears	Gangzahl Number of gears	S = Synchrongetriebe S = synchronmesh transmission	Technologiefamilie Technological family	Drehmomentgrenze Torque limit	Produktfamilie Product family	Variante ²⁾ Variant ²⁾	Ausführung Mode
16	S	22	3	0			TD
<p>Drehmoment [Nm] = Faktor x 100 Torque [Nm] = factor x 100</p> <p>0 = Ecolite, 1 = Ecomid, 2/3 = Ecosplit</p> <p>0 = Standard, 1 = Intarder, 2 = NMV, 3 = 100 % Schub, 4 = Servoshift, 5 = Kupplungsabhängiger Nebenantrieb</p> <p>0 = Standard, 1 = Intarder, 2 = NMV, 3 = 100 % thrust, 4 = Servoshift, 5 = clutch-dependent PTO</p> <p>T = Truck, D = Direktgang, O = Schnellgang T = truck, D = Direct drive, O = Overdrive</p> <p>Applikationsspezifische Erweiterungen möglich Application specific upgrades possible</p>							

²⁾ Bei Kombinationen von Merkmalen des Sologetriebes mit solchen aus einer Erzeugniskombination (z.B. Getriebe mit Intarder) ist die Ziffer für die Erzeugniskombination vorrangig. Sind mehrere gleichrangige Merkmale kombiniert, wird die niedrigere Ziffer eingesetzt

²⁾ When features of a single transmission are combined with features from a combination of products (e.g., transmission with Intarder), the number for the combination of products takes precedence. If several equivalent features are combined, the lower number will be used

