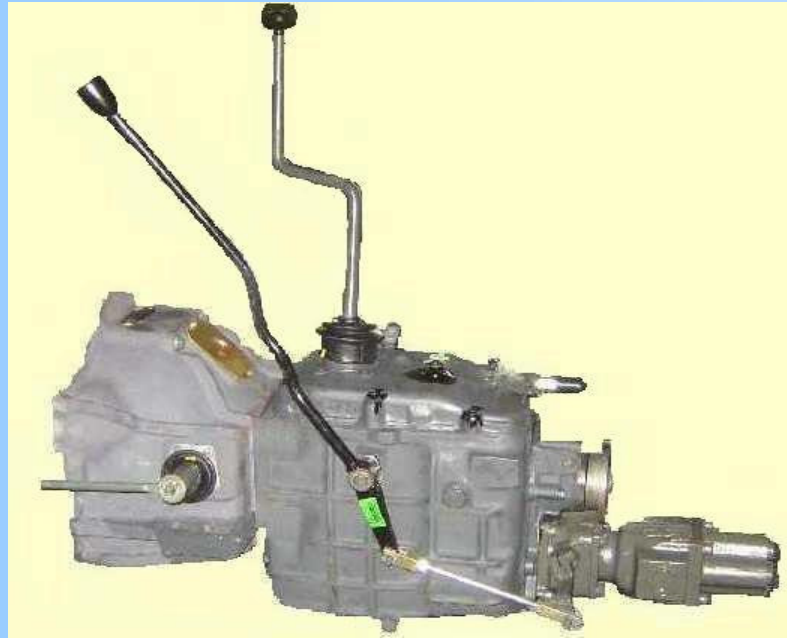


GBS – 40 Synchromesh Gear Box

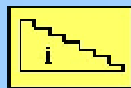


Torque : Speed Ratios

Torque	1st	2nd	3rd	4th	5th	6th	R
340 Nm	8.98/ 8.02	4.77	2.75	1.66	1.00	-	8.29
410 Nm	7.51	3.98	2.30/ 2.50	1.39/ 1.51	1.00	-	6.93
480 Nm	6.34	3.37	2.11	1.28	1.00	-	5.86



340 -
480



6.34/ : 1.00
8.98



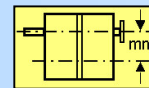
477.95



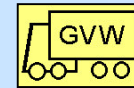
115



5.2



116



16T

Features

- ✓ Shift System Variants:
 - Direct shifting system
 - Mechanical remote shift
- RHD / LHD

Benefits

- ✓ Synchronization
 - All Forward Gears Synchronized.
 - Reverse Gear sliding mesh
- ✓ Direct drive concept
 - Optimal efficiency in last gear
- ✓ Bathtub type Housing Single piece casting
 - Easy Serviceability
- ✓ Geometrically optimized gearing
 - Low-noise operation
- ✓ Gear Oil
 - SAE 80W90
- ✓ Power take-off option (Rear Side)
 - Enables to drive auxiliary equipment

GBS – 50 Synchromesh Gear Box

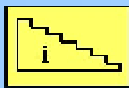


Torque : Speed Ratios

Torque	1st	2nd	3rd	4th	5th	6th	R
500 Nm	7.83	4.18	2.43	1.58	1.00	-	7.31



500



7.83 : 1.0



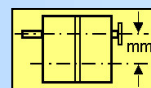
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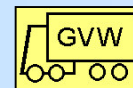
170



8.0



134.5



25T

Features

- ✓ Shift System Variants:
 - Direct shifting system
 - Mechanical remote shift
- RHD / LHD

- ✓ Steel synchronizers on all forward gears (Reverse Sliding mesh)
- ✓ Direct drive versions

- ✓ Bathtub type Housing Single piece casting

- ✓ Optimized gear geometry

- ✓ Gear Oil SAE 80W90

- ✓ Power take-off option

Benefits

Wide range of options for gearbox installation depending on vehicle requirements

Increased cone life with better shift feel

Optimal efficiency in last gear

Easy Serviceability

Low noise and longer life

Longer Gear life

Enables to drive auxiliary equipment

GBS – 600 Synchronmesh Gear Box

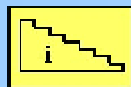


Torque : Speed Ratios

Torque	1st	2nd	3rd	4th	5th	6th	R
600 Nm	8.47	4.88	2.95	1.92	1.29	1.00	7.28
550 Nm	9.19	5.29	3.20	2.09	1.40	1.00	7.91
800 Nm	6.58	3.78	2.29	1.49	1.00	0.78	5.66



800



6.58:0.77



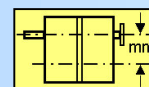
596



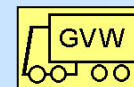
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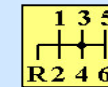
7.5



125



25T



Features

- ✓ Shift System Variants:
 - Direct shifting system
 - Mechanical remote shift
 - Cable remote shift
 - Power shift system under development

- ✓ Carbon lining steel synchronizers on all forward gears (Reverse Gear sliding mesh)

- ✓ Direct and Over drive versions

- ✓ Optimized gear geometry

- ✓ Adaptability of Hydraulic Transmission mount Retarder

- ✓ Power take-off option

Benefits

Wide range of options for gearbox installation depending on vehicle requirements

Increased cone life with better shift feel

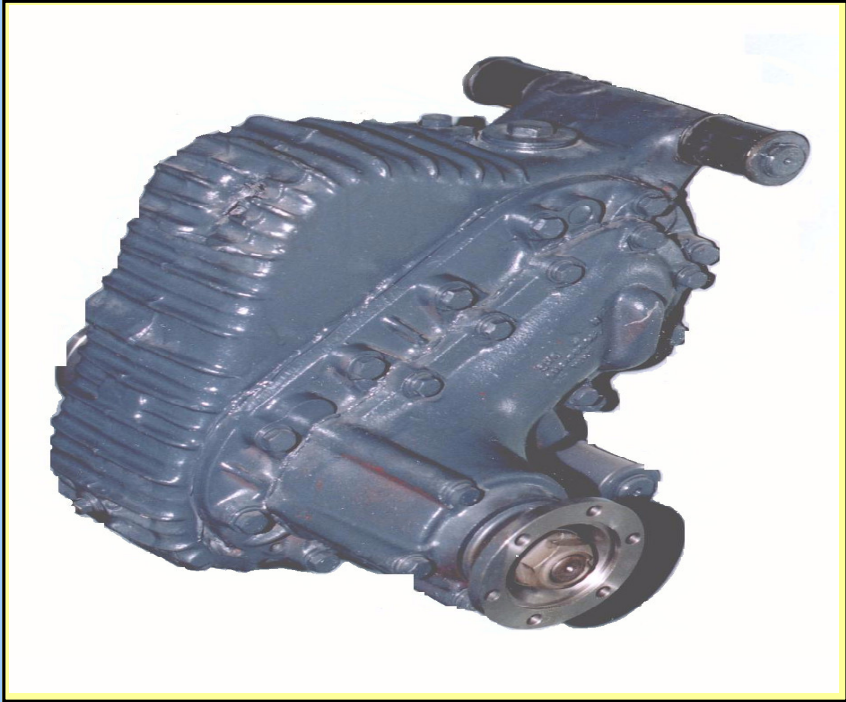
Optimal driving characteristics due to good performance on gradients, easy start up and high top speed

Low noise and longer life

Allows constant speeds when traveling down hill and increased brake life

Enables to drive auxiliary equipment

Auxiliary Gear Box

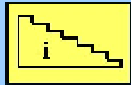


Application : 4 Wheel drive Vehicle

Features	Benefits
✓ Number of gears - 2	For selection between 4 X 2 and 4 X 4 drive option
✓ Gear Ratio: A. 1.05 (4 X 2 drive) B. 1.6 (4 X 4 drive)	Higher speed in 4X2 drive and higher traction in 4 X 4 drive
✓ Housing :Single piece casting	Compact design
✓ Optimized gear geometry	Low noise and longer life
✓ Gear Oil : EP 80	Longer gear life
✓ Power take-off option	Enables to drive auxiliary equipment



400



1.6 : 1.05



95



3