

Dropboxes and Transfer-Cases from Katsa

The missing link between your vehicles transmission and its axles

You are planning to create a new vehicle and targeting to select standard components to keep the costs down?



Military 8x8 application

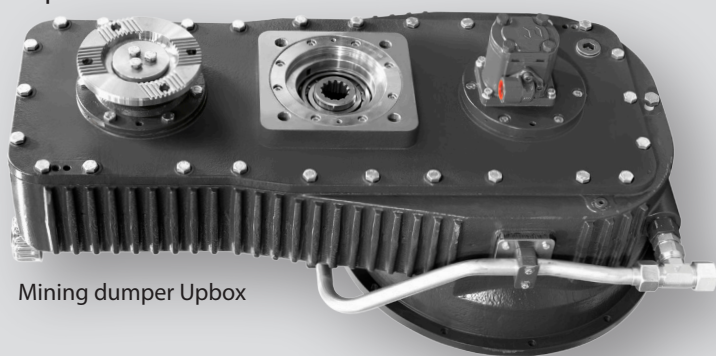
Katsa™ - Tailor Made
Transfer-Cases can help
you to get what
you want.



Almost all heavy-duty vehicles require a transfer-case to get the power and torque down to the drive train from the power pack. In multiple wheel drives the power is also needed to be divided between the axles.

Quite often design process encounters such requirements, limitations or restrictions that it is quite easy to see, that the best point for customization is the transfer-case.

Katsa Oy has decades of experience in supporting customers to combine power packs, normally diesel engine and the transmission, with the chosen drive train axles. Successful projects with customers from business sectors like military, mining and construction, public transport, wood industry have proven our engineering knowledge and manufacturing capabilities.



Mining dumper Upbox

Depending on the requirements we can offer Katsa's proven technology:

- Full freedom in vertical- and horizontal displacement between power pack and drive train.
- Assorted differentials: conical or planetary, lockable
- Multiple speed ranges:
 - Pneumatically or hydraulically operated gear shifter
 - Automatic shifting with hydraulically operated clutches
- Housing materials: aluminium, grey casting, etc.
- Water tight solutions and special surface treatments
- Additional PTO's eg. for pumps, compressors etc.
- Additional PTI's for hybrid solutions
- Conditioning monitoring systems
- Up to 1040 kW engine power
- Max input speed more than 4000 rpm
- Max output torque 45000 kNm



10x10 with 2 speed
and 40:60 differential

Katsa Oy designs and manufactures power transmission components. Katsa is a supplier of special gear units which are tailored to meet the customer's demands. For end users, Katsa provides modelling, modernisation, gearbox repair and maintenance services as well as spare parts. Moreover, Katsa manufactures a range of toothed components as single batches and in serial production.



Katsa – Geared for You

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