



IBEX[®]
Vehicles

IBEX is an all-terrain vehicle with a difference. It has outstanding off-road performance thanks to its large clearance angles. The long travel coil spring suspension gives a smooth ride and a high degree of axle articulation which helps to keep all four wheels in contact with the ground over the roughest terrain, maximising traction. The design of the bodywork facilitates these large axle deflections enabling the fitment of large diameter tyres to give good ground clearance.

Many years of continued development have ensured that a formidable vehicle has evolved. Strength and performance have been optimised whilst retaining the best characteristics of a well engineered, hand built vehicle.

The structure is of the monocoque type giving full all round occupant protection. The whole structure is hot dipped galvanised after fabrication. Deep, cross braced, sections create an immensely rigid frame resulting in an unbeatable feeling of solidity and ride quality.

Minimising front and rear overhangs ensures that the weight of the vehicle is concentrated between the axles, maintaining a low polar moment of inertia. This makes the IbeX very responsive to changes in direction for a machine of such size. The effect is also beneficial when towing, when it is less susceptible to destabilising forces imposed by the trailer.

The IbeX has a superb driving position with its short sloping bonnet giving excellent all round visibility, an essential requirement of any off road vehicle. Visibility is further enhanced by vehicles having deep windscreens, large side windows and unobtrusive bodywork. There are many optional features available such as steering, underbody protection and additional roll over protection.

The bodywork is virtually unstressed because of the extremely strong frame and, in the main, is of marine quality aluminium alloy. All aluminium panels are bonded to the galvanised frame to prevent electrolytic corrosion. A composite clamshell bonnet provides unhindered engine bay access.

DRIVELINE

IbeX vehicles are fitted with the Ford 2.4ltr TDCi diesel engine, 6 speed manual gearbox and 2 speed lockable transfer gearbox as standard. A number of alternative powertrain options are available, including high output petrol and diesel engines and either manual or automatic transmission. 4 or 6 wheel drive can be maintained by the addition of locking axle differentials.

IBEX vehicles can be purchased fully assembled or in body/chassis form for self-build applications. Customers may select vehicles from the standard model range or commission special versions tailored to meet specific requirements.



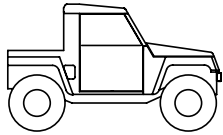
IBEX 240

IBEX 250

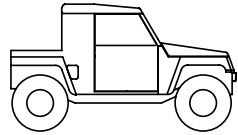
IBEX 300

IBEX 330

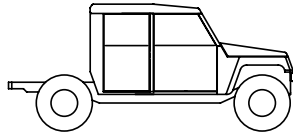
IBEX 360



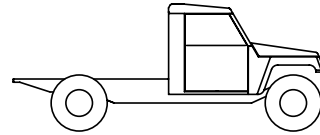
1.1 PICK UP



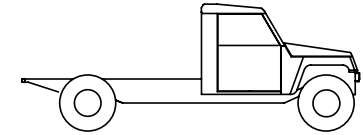
2.1 (S) KING CAB PICK UP



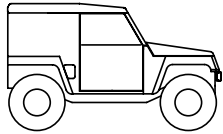
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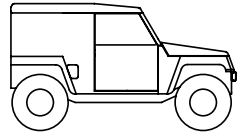
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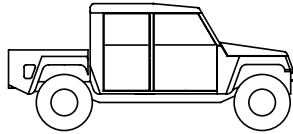
5.1 CHASSIS CAB



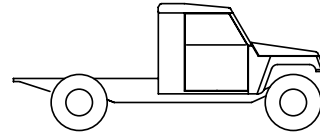
1.2 HARD TOP



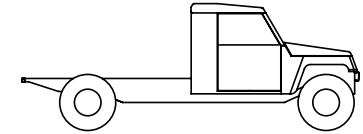
2.2 (S) HARD TOP



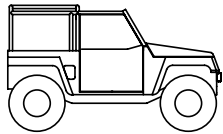
3.2 CREW CAB PICK UP



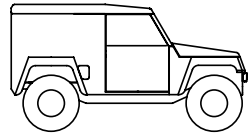
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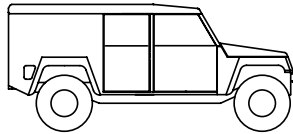
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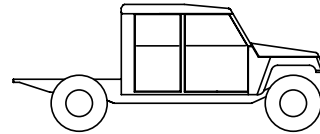
1.3 OPEN TOP



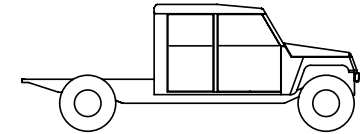
2.3 HARD TOP



3.3 5 DOOR



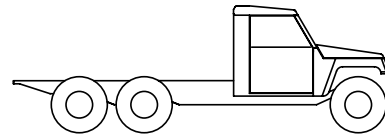
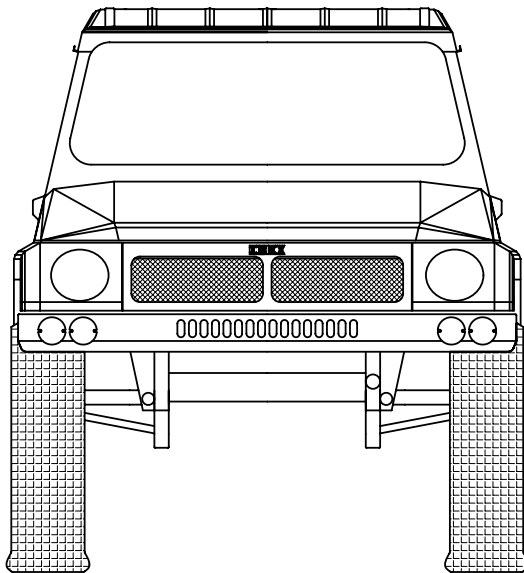
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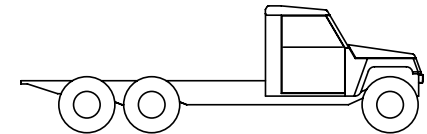
5.3 CHASSIS CREW CAB

**STANDARD
MODEL
RANGE
SHOWN**

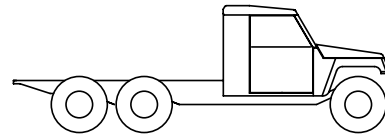
SPECIAL
CONFIGURATIONS
AVAILABLE ON
REQUEST



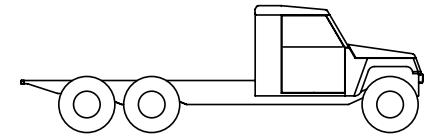
4.4 CHASSIS CAB 6X6



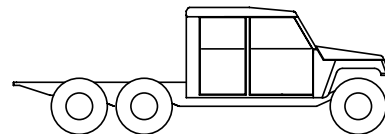
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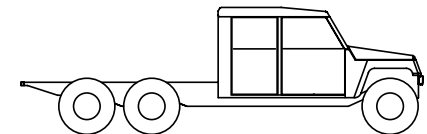
4.5 CHASSIS KING CAB 6X6



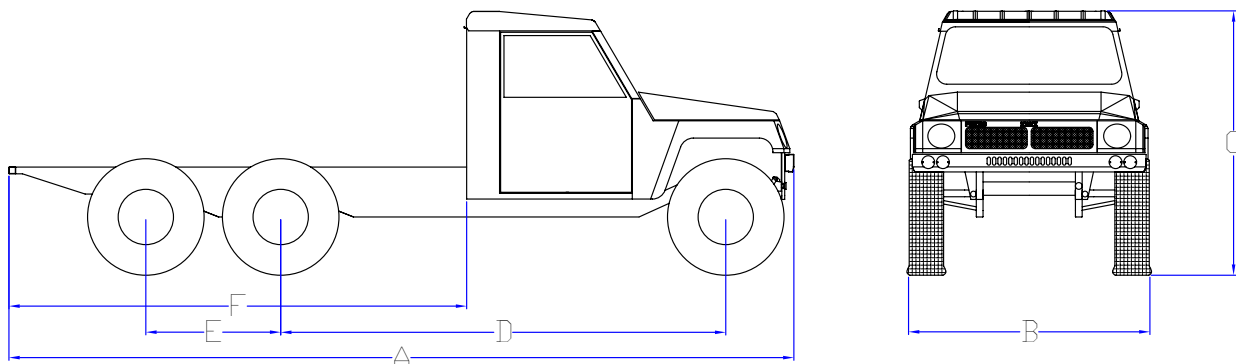
5.5 CHASSIS KING CAB 6X6



4.6 CHASSIS CREW CAB 6X6



5.6 CHASSIS CREW CAB 6X6



VEHICLE VARIANTS

There is a whole range of models to suit most requirements, all built to the same exacting standards. These are grouped into five wheelbase configurations as shown below.

DIMENSIONS		IBEX 240	IBEX 250	IBEX F8 250S	IBEX F8 300S	IBEX 330	IBEX 360
Overall length (A)		3295	3640	3455	4105	4820 (4X4)	5195 (4X4)
						5820 (6X6)	6195 (6X6)
Overall width (B)		1780	1780	1820	1820	1780	1780
Overall height (C)		1990	1990	1990	1990	1990	1990
Wheelbase (D)		2330	2515	2515	3165	3300	3675
Rear axle spread (E)		N/A	N/A	N/A	N/A	1000	1000
Rear platform length (F)		N/A	N/A	N/A	1240	2375 (4.1)	2750 (5.1)
						2215 (4.2)	2590 (5.2)
						1645 (4.3)	2020 (5.3)
						3375 (4.4)	3750 (5.4)
						3215 (4.5)	3590 (5.5)
						2645 (4.6)	3020 (5.6)
Interior width		1570	1570	1520	1520	1570	1570
Ground clearance*		315	315	315	315	315	315
Ramp break angle*		130°	134°	134°	144°	146°	150°
Approach angle*		85°	85°	85°	85°	85°	85°
Departure angle*		88°	88°	88°	88°	45°	45°
*Clearance angles achieved with 285/75 x 16 tyres.					All dimensions are in millimetres.		

FOERS VECTOR WINCHING SYSTEM®

A special centre mounted winching system has been developed for the Ibox, to complement its superb off-road performance. The Foers Vector Winching System enables multi-directional winching from front and rear cable fairleads. In addition to simple forward and backward winching, the lines can be used in conjunction to pull in any direction of the compass or rotate the vehicle through angles up to 180°. By using fore and aft anchors, the vehicle can safely ascend, descend or traverse dangerous slopes by driving in 'cable car' mode along its own fixed cableway.

- Uncompromised approach and departure angles.
- Single winch for multiple winching operations.
- Greater vehicle stability from a winch mounted close to its centre of gravity.
- Improved pedestrian safety.
- Neat cable spooling on the winch drum.
- Aesthetic invisibility.
- Protection from dirt and water ingress.





All IBEX are built to order so special features or requirements can be accommodated.

BUILD OPTIONS

IBEX are available in various stages of build, from body/chassis kits, to fully built road-registered vehicles.

BASIC KITS consist of a body/chassis assembly supplied with glass, seals and hinges. The kit is ready for painting and the installation of powertrain components.

We can offer partially assembled vehicles according to your needs e.g. rolling chassis.

COMPLETE NEW VEHICLES are custom built to individual requirements and can be supplied road registered, ready to drive away.

SUSPENSION

Beam axle front and rear with Panhard rod at the front and A-frame at the rear. Heavy duty versions available for high payload applications.

Optional Watts Linkage rear suspension for improved dynamics at high speeds.

For competition or more extreme off-road driving, a long travel, coil over damper arrangement can be specified. 14" travel with standard ride height to maintain a low centre of gravity. Includes front and rear strut braces and the facility to fit progressive bump stops

WHEELS AND TYRES Designed to be fitted with 35" tyres as standard. Heavy duty wheels and tyres available for high payload applications.





IBEX[®] Vehicles

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