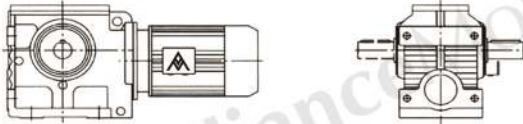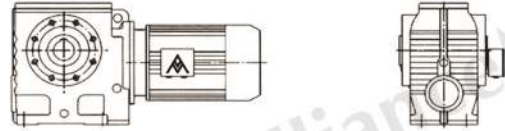**AllianceMotori**

C.1 Dimensional Description

Output shafts of AS Series are vertical to input shafts. Units of AS series consists of single stage helical gears and single worm gears.
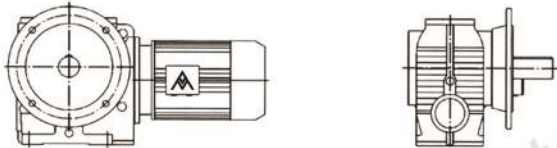
Type AS
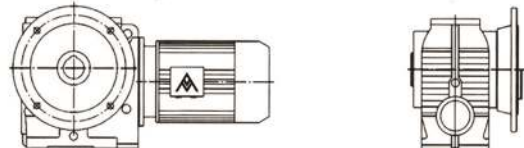Foot-mounted helical-worm gear units with solid shaft.

Type ASA
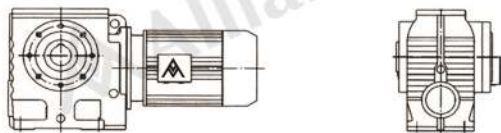Helical-worm gear units with hollow shaft.

Type ASF
B5 flange mounted helical-worm gear units with solid shaft.
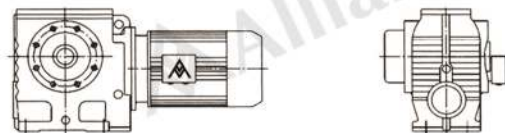
Type ASAF
B5 flange mounted helical-worm gear units with hollow shaft.

Type ASAZ
B14 flange-mounted helical-worm gear units with hollow shaft.

Type ASH
Helical-worm geared motor with hollow shaft and shrink disk

Type ASHF
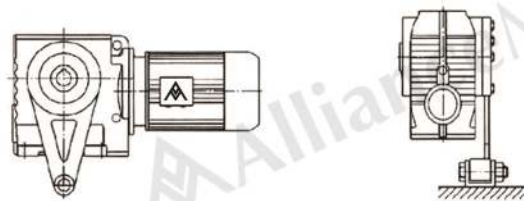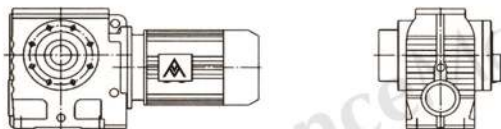B5 flange-mounted helical-worm geared motor with hollow shaft and Shrink disk.

Type ASAT/ASHT
Torque-arm-mounted helical-worm gear units with hollow shaft
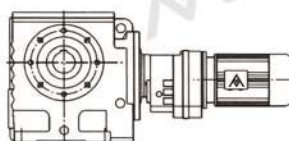
Type ASHZ
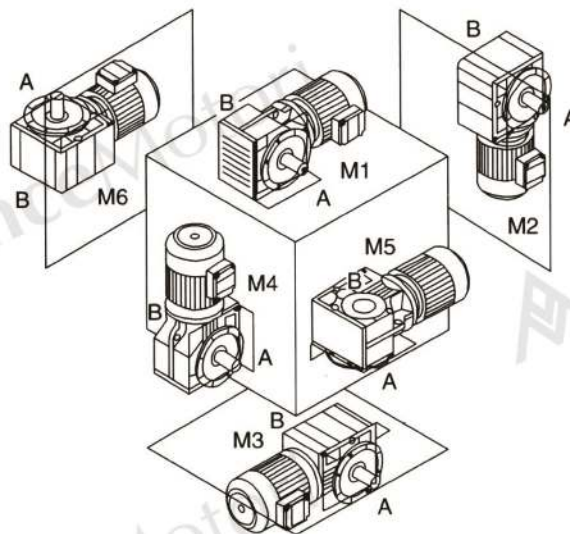B14 flange-mounted helical-worm geared motor with hollow shaft and Shrink disk.

Type AS .. SZ .. AD ..
Shaft Input helical-worm gear units.

Type AS .. R
Combined types of series AS and Series AR

C.2 **Mounting Arrangements Description**

Different kinds of mounting arrangements are defined as following :

M1 --- Horizontally mounted motor, unit base is at bottom

M2 --- Motor is vertically mounted downwards.

M3 --- Horizontally mounted motor, unit base is top

M4 --- Motor is vertically mounted upwards.

M5 --- Horizontally mounted motor, if placed on M1 position, left side of unit turns to bottom (view point: towards from motor side)

M6 --- Horizontally mounted motor, if placed on M1 position, left side of unit turns to top (view point : towards from motor side)
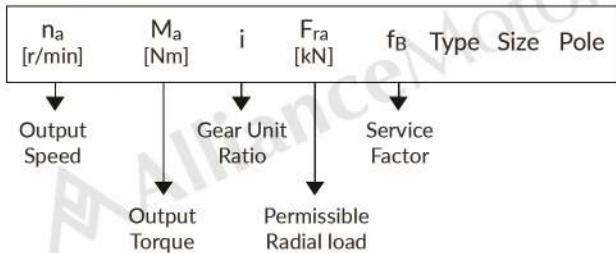
Gear Unit Weight

Size	AS37	AS47	AS57	AS67	AS77	AS87	AS97	AS100
Weight (Kg)	7	10	14	26	50	95	170	240

Note : The weight mean are values, without the motor, only for reference

Description of selection table

Constant Power

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type	Size	Pole

Output Speed → n_a

Output Torque → M_a

Gear Unit Ratio → i

Permissible Radial load → F_{ra}

Service Factor → f_B

Constant Torque

Mamax [Nm]	n_a [r/min]	i	F_{ra} [kN]	Type	Size	P [kW]/4P

Max. Output Torque → Mamax

Output Speed → n_a

Gear Unit Ratio → i

Permissible Radial load → F_{ra}

Motor Power → P