

## Technical information - Torques for enclosures assembly

Model	Screw area	Bit size	Recommended torque
<b>Alubos</b>	Lid screw connection	TX 10	110 Ncm
		max. possible turns:	300 U/min.
<b>Alubos</b>	Wall brackets screw connection	TX 10	110 Ncm
		max. possible turns:	300 U/min.
<b>Alubos</b>	Handle screw connection	PH 2	110 Ncm
		max. possible turns:	300 U/min.
<b>Alubos</b>	Adapter (parallel)	PH 1	110 Ncm
		max. possible turns:	300 U/min.
<b>Alumas</b>	Enclosure screw connection	PH 1	100 Ncm
<b>Aluplan 100</b>	Enclosure screw connection AP 100	TX 25	180 Ncm
<b>Aluplan 100</b>	Front panel assembly	PH 2	120 Ncm
<b>Aluplan 50</b>	Enclosure screw connection AP 50	TX 20	180 Ncm
<b>Aluplan 50</b>	Set-up foot	PH 2	120 Ncm
<b>Aluplan 50</b>	Handle assembly	PH 2	120 Ncm
<b>Aluplan 50</b>	Wall brackets screw connection	PH 2	120 Ncm
<b>AluRail</b>	Enclosure screw connection	PH 1	60 Ncm
<b>AluRail</b>	Module bridge	PH 1	60 Ncm
<b>AluRail</b>	Snap-on element	PH 1	60 Ncm
<b>AluStyle 1850</b>	Enclosure screw connection	TX 10	150 Ncm
<b>AluStyle 830-1230</b>	Enclosure screw connection	TX 10	150 Ncm
<b>AluTopline</b>	Enclosure screw connection	PH1	60 Ncm
<b>Arteb</b>	ART 115 enclosure screw connection	PH 1	40 Ncm
<b>Arteb</b>	from ART 655 enclosure screw connection	PH 1	60 Ncm
<b>Bocard 160 / 200 / 250</b>	Enclosure screw connection	PH 1	80 Ncm
<b>Bocard 160 / 200 / 250</b>	Terminal compartment lid	PH 1	45 Ncm
<b>Bocard 160 / 200 / 250</b>	Wall mounting fastening angle	PH 1	80 Ncm
<b>Bocard 160 / 200 / 250</b>	Wall brackets	PH 1	80 Ncm
<b>Bocard 160 / 200 / 250</b>	TSH 35-2	PH 1	70 Ncm
<b>Bocard 160 / 200 / 250</b>	Handle element	PH 1	60 Ncm
<b>Bocard 160 / 200 / 250</b>	Handle HS-2	TX 25	140 Ncm
<b>Bocard 160 / 200 / 250</b>	Front panel assembly	PH 1	60 Ncm

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<b>Bocard 310 / 400</b>	Terminal compartment lid	PH 1	60 Ncm
<b>Bocard 310 / 400</b>	Front panel assembly	PH 1	80 Ncm
<b>Bocard 310 / 400</b>	Wall brackets	PH 1	80 Ncm
<b>Bocube ABS</b>	Enclosure screw connection (B 0808 - 2617	PH 1	65 Ncm
<b>Bocube ABS</b>	Enclosure screw connection (B 2330 - 273€	PH 2	150 Ncm
<b>Bocube ABS</b>	Wall brackets	PH 2	90 Ncm
<b>Bocube ABS</b>	Wall brackets 2	PH 3	200 Ncm
<b>Bocube PC-FR</b>	Enclosure screw connection (B 0808 - 2617	PH 1	100 Ncm
<b>Bocube PC-FR</b>	Enclosure screw connection (B 2330 - 273€	PH 2	160 Ncm
<b>Bocube PC-FR</b>	Wall brackets	PH 2	100 Ncm
<b>Bocube PC-FR</b>	Wall brackets 2	PH 3	300 Ncm
<b>Bocube Alu</b>	Profil mounting	TX 20	80 Ncm
<b>Bocube Alu</b>	Enclosure screw connection	TX 20	150 Ncm
<b>Bocube Alu</b>	Wall brackets screw connection	varies	180 Ncm
<b>Bocube Alu</b>	Profil mounting-quick fastener	TX 20	180 Ncm
<b>BoLink</b>	BL 7040.. without DI	PH 1	50 Ncm
<b>BoLink</b>	BL 7040.. with DI	PH 1	see assembly instruct. DI
<b>Bopad</b>	BOP 500 - BOP 900 without DI	PH 1	70 Ncm
<b>Bopad</b>	BOP 500 - BOP 900 with DI	PH 1	see assembly instruct. DI
<b>Bopad</b>	BOP 7.0 - BOP 10.1 without DI	PH 1	70 Ncm
<b>Bopad</b>	BOP 7.0 - BOP 10.1 with DI	PH 1	see assembly instruct. DI
<b>Bopad</b>	BOP ... battery compartment	PH 1	70 Ncm
<b>Bopult</b>	Enclosure screw connection BP 810	PH 1	80 Ncm
<b>Bopult</b>	Enclosure screw connection BP 900 F	PH 1	80 Ncm
<b>BOS</b>	BOS 400	PH 1	60 Ncm
<b>BOS</b>	BOS 500	PH 1	60 Ncm
<b>BOS</b>	BOS 600	PH 2	80 Ncm
<b>BOS</b>	BOS 700	PH 1	40 Ncm
<b>BOS</b>	BOS 750	PH 1	60 Ncm
<b>BOS</b>	BOS 800	PH 1	60 Ncm
<b>BOS</b>	BOS 900	PH 1	40 Ncm

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<b>BOS</b>	BOS 910	PH 1	40 Ncm
<b>BOS</b>	STD 900	PH 1	80 Ncm
<b>BOS Streamline</b>	BS 200 enclosure screw connection	PH 1	50 Ncm
<b>BOS Streamline</b>	BS ... enclosure screw connection	PH 1	80 Ncm
<b>BOS Streamline</b>	BS ... battery compartment	PH 1	70 Ncm
<b>BOS Streamline</b>	BS 200 encl. screw conn. with DI-D	PH 1	30 Ncm
<b>BOS Streamline</b>	BS 400 encl. screw conn. with DI-D	PH 1	35 Ncm
<b>BOS Streamline</b>	BS 500 encl. screw conn. with DI-D	PH 1	40 Ncm
<b>BOS Streamline</b>	BS 600 encl. screw conn. with DI-D	PH 1	40 Ncm
<b>BOS Streamline</b>	BS 700 encl. screw conn. with DI-D	PH 1	50 Ncm
<b>BOS Streamline</b>	BS 800 encl. screw conn. with DI-D	PH 1	50 Ncm
<b>BOS-Ecoline</b>	Enclosure screw connection	PH 1	100 Ncm
<b>Botego</b>	Caps	PH 2	80 Ncm
<b>Botego</b>	Design elements	PH 2	60 Ncm
<b>Botego</b>	Handle assembly	PH 2	60 Ncm
<b>Botego</b>	Strain relief	PH 1	40 Ncm
<b>Botego</b>	Half-shell screw connection	PH 2	100 Ncm
<b>BoTouch-Kst.</b>	Enclosure screw connection	PH 1	80 Ncm
<b>BoTouch-Kst.</b>	Front panel assembly	PH 2	130 Ncm
<b>Circum</b>	Enclosure screw connection + WR	PH 1	80 Ncm
<b>Circum</b>	NG-Enclosure screw connection	PH 1	80 Ncm
<b>CombiBac</b>	CF on CR	PH 1	60 Ncm
<b>CombiCard 1000-3000</b>	Enclosure screw connection for tie bar	PH 1	100 Ncm
<b>CombiCard 1000-3000</b>	Screw connection for terminal compart. lid	PH 1	80 Ncm
<b>CombiCard 1000-3000</b>	Hinge assembly	PH 2	100 Ncm
<b>CombiCard 1000-3000</b>	Front panel assembly FP-AA	PH 1	100 Ncm
<b>CombiCard 1000-3000</b>	Front panel assembly FP-AI	PH 2	80 Ncm
<b>CombiCard 1000-3000</b>	Front panel assembly FA-I	PH 2	60 Ncm
<b>CombiCard 1000-3000</b>	Front panel assembly FA	PH 1	100 Ncm
<b>CombiCard 1000-3000</b>	Set-up foot assembly	PH 2	40 Ncm
<b>CombiCard 1000-3000</b>	Handle assembly	PH 2	80 Ncm

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CombiCard 5000-7000	Screw connection for terminal compart. lid	PH 2	100 Ncm
CombiCard 5000-7000	Handle assembly	PH 2	60 Ncm
CombiNorm-Control	Enclosure screw connection	TX 8	40 Ncm
CombiSet	Enclosure screw connection	PH 1	60 Ncm
CombiSet	Wall frame assembly	PH 2	100 Ncm
Elegant	Enclosure screw connection	PH 1	60 Ncm
Elegant	Wall brackets screw connection	PH 1	60 Ncm
Elegant	DO-assembly	PH 1	60 Ncm
Elegant-Pult	Enclosure screw connection	PH 1	60 Ncm
Element	Encl. screw connection w. threaded inserts	PH 1	40 Ncm
Element	Encl. screw connection w/o thread. inserts	PH 2	100 Ncm
Element	DO-assembly	PH 1	60 Ncm
Element	Wall brackets screw connection	see enclosure screw connection	
Elesett	Enclosure screw connection	PH 1	60 Ncm
Elesett	Connector pin-nuts	SW 5,5	60 Ncm
Eletec	Enclosure screw connection ESO/ESU	PH 1	100 Ncm
Eletec	Connector pin-nuts	SW 5,5	60 Ncm
Eletec	Enclosure screw connection SE	PH 1	40 Ncm
Euromas Aluminium	Enclosure screw connection	varies	180 Ncm
Euromas Aluminium	Wall brackets screw connection	varies	120 Ncm
Euromas II	Enclosure screw connection	PH 2	100 Ncm
Euromas II	Wall brackets screw connection	PH 2	80 Ncm
Euromas PC/ABS	Enclosure screw connection M4	PH 2	120 Ncm
Euromas PC/ABS	Enclosure screw connection M6	PH 2	180 Ncm
Euromas PC/ABS	Wall brackets screw connection	SL1mm	80 Ncm
Euromas Polyester	Enclosure screw connection	varies	120 Ncm
Euromas Polyester	Wall brackets screw connection	varies	120 Ncm
Euromas Polymas	Enclosure screw connection	PH 2	120 Ncm
Filotec	Enclosure screw connection	TX 10	90 Ncm
Futura/Portas	Enclosure screw connection T 888/T 889	PH 2	100 Ncm
Futura/Portas	Enclosure screw connection T 898	PH 1	60 Ncm

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<b>Futura/Portas</b>	Enclosure screw connection T 899	PH 1	60 Ncm
<b>Futura/Portas</b>	Enclosure screw connection T 890/T 893	PH 1	60 Ncm
<b>Futura/Portas</b>	Enclosure screw connection T 895 P	PH 2	60 Ncm
<b>Futura/Portas</b>	Enclosure screw connection T 900	PH 2	60 Ncm
<b>Intercard</b>	Terminal compartment lid screw connector	PH 2	100 Ncm
<b>Intertego</b>	Front profile / Side profile mountening	PH 2	150 Ncm
<b>Intertego</b>	Die-cast corner mountening	TX 10	150 Ncm
<b>RCP</b>	Enclosure screw connection CF	PH 1	80 Ncm
<b>RCP</b>	Terminal compartment lid screw connector	PH 2	100 Ncm
<b>Sinfonie</b>	Enclosure screw connection	PH 1	40 Ncm
<b>Tastomat</b>	Enclosure screw connection	PH 2	140 Ncm
<b>Ultramas</b>	Enclosure screw connection	PH 1	100 Ncm
<b>Ultramas</b>	Connecting strap	PH 2	100 Ncm
<b>Ultrapult</b>	Enclosure screw connection	PH 1	100 Ncm
<b>Ultrapult</b>	Wall brackets screw connection	PH 2	60 Ncm
<b>Unimas</b>	Enclosure screw connection	PH 1/PZ 1	70 Ncm
<b>Uninorm</b>	FP-assembly	PH 1	30 Ncm
<b>Uninorm</b>	RD-assembly	PH 1	30 Ncm
<b>Uninorm</b>	NK for enclosure screw connection	SL0.8mm	30 Ncm
<b>Accessories</b>	BE- . MN-IP- . . . .	PH 1	70 Ncm
<b>Accessories</b>	Universal screw-on lanyard loop OE- . . . .	PH 1	50 Ncm
<b>Accessories</b>	TSH 35	PH 1	50 Ncm
<b>Accessories</b>	TSH 35-2	PH 1	50 Ncm
<b>Accessories</b>	VESA-WB	PH 2	80 Ncm

All technical information is offered in good faith and without warranty.

It is accurate to the best of our knowledge but is intended for use as a guide only.

It does not release the user from the obligation to test the suitability of the information in respect of the intended processes and purposes.