Technical information - Torques for enclosures assembly

Model	Screw area	Bit size	Recommended torque
Alubos	Lid screw connection	TX 10	110 Ncm
		max. possible turns:	300 U/min.
Alubos	Wall brackets screw connection	TX 10	110 Ncm
		max. possible turns:	300 U/min.
Alubos	Handle screw connection	PH 2	110 Ncm
		max. possible turns:	300 U/min.
Alubos	Adapter (parallel)	PH 1	110 Ncm
		max. possible turns:	300 U/min.
Alumas	Enclosure screw connection	PH 1	100 Ncm
Aluplan 100	Enclosure screw connection AP 100	TX 25	400 Ncm
Aluplan 100	Front panel assembly	PH 2	120 Ncm
Aluplan 50	Enclosure screw connection AP 50	TX 20	220 Ncm
Aluplan 50	Set-up foot	PH 2	120 Ncm
Aluplan 50	Handle assembly	PH 2	120 Ncm
Aluplan 50	Wall brackets screw connection	PH 2	120 Ncm
AluRail	Enclosure screw connection	PH 1	60 Ncm
AluRail	Module bridge	PH 1	60 Ncm
AluRail	Snap-on element	PH 1	60 Ncm
AluStyle	Enclosure screw connection	TX 10	150 Ncm
AluTopline	Enclosure screw connection	PH1	60 Ncm
Arteb	ART 115 enclosure screw connection	PH 1	40 Ncm
Arteb	from ART 655 enclosure screw connection	PH 1	60 Ncm
Bocard 160 / 200 / 250	Enclosure screw connection	PH 1	80 Ncm
Bocard 160 / 200 / 250	Terminal compartment lid	PH 1	45 Ncm
Bocard 160 / 200 / 250	Wall mounting fastening angle	PH 1	80 Ncm
Bocard 160 / 200 / 250	Wall brackets	PH 1	80 Ncm
Bocard 160 / 200 / 250	TSH 35-2	PH 1	70 Ncm
Bocard 160 / 200 / 250	Handle element	PH 1	60 Ncm
Bocard 160 / 200 / 250	Handle HS-2	TX 25	140 Ncm
Bocard 160 / 200 / 250	Front panel assembly	PH 1	60 Ncm
Bocard 310 / 400	Terminal compartment lid	PH 1	60 Ncm

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Model	Screw area	Bit size	Recommended torque
Bocard 310 / 400	Front panel assembly	PH 1	80 Ncm
Bocard 310 / 400	Wall brackets	PH 1	80 Ncm
Bocube ABS	Enclosure screw connection (B 0808 - 2617	PH 1	65 Ncm
Bocube ABS	Enclosure screw connection (B 2330 - 2736	PH 2	150 Ncm
Bocube ABS	Wall brackets	PH 2	90 Ncm
Bocube ABS	Wall brackets 2	PH 3	200 Ncm
Bocube ABS Dome	Bosses øIns. 2,4mm/øOuts. 6mm	PH 1	50 Ncm
Bocube PC-FR	Enclosure screw connection (B 0808 - 2617	PH 1	100 Ncm
Bocube PC-FR	Enclosure screw connection (B 2330 - 2736	PH 2	160 Ncm
Bocube PC-FR	Wall brackets	PH 2	100 Ncm
Bocube PC-FR	Wall brackets 2	PH 3	300 Ncm
Bocube PC-FR Dome	Bosses øIns. 2,4mm/øOuts. 6mm	PH 1	50 Ncm
Bocube Alu new profiles	Profil mounting	TX 20	220 Ncm
Bocube Alu old profiles	Profil mounting	TX 20	80 / 150 Ncm
Bocube Alu	Enclosure screw connection	TX 20	220 Ncm
Bocube Alu	Wall brackets screw connection	varies	180 Ncm
Bocube Alu	Profil mounting-quick fastener	TX 20	180 Ncm
Bocube Alu - S	Enclosure screw connection	TX 20	200 Ncm
BoLink	BL 7040.. without DI	PH 1	50 Ncm
BoLink	BL 7575 / 8555.. without DI	TX10	80Ncm
BoLink	BL 7040.. with DI	PH 1	see assembly instruct. DI
BoLink	BL 7575 / 8555.. mit DI	TX10	siehe Montageanleitung DI
Bopad	BOP 500 - BOP 900 without DI	PH 1	70 Ncm
Bopad	BOP 500 - BOP 900 with DI	PH 1	see assembly instruct. DI
Bopad	BOP 7.0 - BOP 10.1 without DI	PH 1	70 Ncm
Bopad	BOP 7.0 - BOP 10.1 with DI	PH 1	see assembly instruct. DI
Bopad	BOP … battery compartment	PH 1	70 Ncm
Bopult	Enclosure screw connection BP 810	PH 1	80 Ncm
Bopult	Enclosure screw connection BP 900 F	PH 1	80 Ncm
BOS	BOS 400	PH 1	60 Ncm
BOS	BOS 500	PH 1	60 Ncm

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Model	Screw area	Bit size	Recommended torque
BOS	BOS 600	PH 2	80 Ncm
BOS	BOS 700	PH 1	40 Ncm
BOS	BOS 750	PH 1	60 Ncm
BOS	BOS 800	PH 1	60 Ncm
BOS	BOS 900	PH 1	40 Ncm
BOS	BOS 910	PH 1	40 Ncm
BOS	STD 900	PH 1	80 Ncm
BOS Streamline	BS 200 enclosure screw connection	PH 1	50 Ncm
BOS Streamline	BS ... enclosure screw connection	PH 1	80 Ncm
BOS Streamline	BS ... battery compartment	PH 1	70 Ncm
BOS Streamline	BS 200 encl. screw conn. with DI-D	PH 1	30 Ncm
BOS Streamline	BS 400 encl. screw conn. with DI-D	PH 1	35 Ncm
BOS Streamline	BS 500 encl. screw conn. with DI-D	PH 1	40 Ncm
BOS Streamline	BS 600 encl. screw conn. with DI-D	PH 1	40 Ncm
BOS Streamline	BS 700 encl. screw conn. with DI-D	PH 1	50 Ncm
BOS Streamline	BS 800 encl. screw conn. with DI-D	PH 1	50 Ncm
BOS-Ecoline	Enclosure screw connection	PH 1	100 Ncm
Botego	Caps	PH 2	80 Ncm
Botego	Design elements	PH 2	60 Ncm
Botego	Handle assembly	PH 2	60 Ncm
Botego	Strain relief	PH 1	40 Ncm
Botego	Half-shell screw connection	PH 2	100 Ncm
BoTouch-Kst.	Enclosure screw connection	PH 1	80 Ncm
BoTouch-Kst.	Front panel assembly	PH 2	130 Ncm
BoVersa PC-FR	BOV 120903 UT with OT	TX 10	80 Ncm
BoVersa Alu / PC-FR	BOV 120903 UT-KWL with OT	TX 10	100 Ncm
BoVersa Alu	BOV 120903 UT-KWL with OT-A	TX 10	100 Ncm
BoVersa PC-FR	BOV 171204 UT with OT	TX 20	200 Ncm
BoVersa Alu / PC-FR	BOV 171204 UT-KWL with OT	TX 20	200 Ncm
BoVersa Alu	BOV 171204 UT-KWL with OT-A	TX 20	200 Ncm
BoVersa PC-FR	BOV 211405 UT with OT	TX 20	200 Ncm
BoVersa Alu / PC-FR	BOV 211405 UT-KWL with OT	TX 20	200 Ncm

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Model	Screw area	Bit size	Recommended torque
BoVersa Alu	BOV 211405 UT-KWL with OT-A	TX 20	200 Ncm
BoVersa PC-FR	BOV 281906 UT with OT	TX 20	200 Ncm
BoVersa Alu / PC-FR	BOV 281906 UT-KWL with OT	TX 20	200 Ncm
BoVersa Alu	BOV 281906 UT-KWL with OT-A	TX 20	200 Ncm
BoVersa PC-FR	BOV Wall brackets at UT	TX 10	80 Ncm
BoVersa PC-FR	Bosses ø Ins. 2,4mm/2,5mm/ ø Outs. 6mm	varies	60 Ncm
BoVersa Alu	Bosses M4	varies	100 Ncm
Circum	Enclosure screw connection + WR	PH 1	80 Ncm
Circum	NG-Enclosure screw connection	PH 1	80 Ncm
CombiBac	CF on CR	PH 1	60 Ncm
CombiCard 1000-3000	Enclosure screw connection for tie bar	PH 1	100 Ncm
CombiCard 1000-3000	Screw connection for terminal compart. lid	PH 1	80 Ncm
CombiCard 1000-3000	Hinge assembly	PH 2	100 Ncm
CombiCard 1000-3000	Front panel assembly FP-AA	PH 1	100 Ncm
CombiCard 1000-3000	Front panel assembly FP-AI	PH 2	80 Ncm
CombiCard 1000-3000	Front panel assembly FA-I	PH 2	60 Ncm
CombiCard 1000-3000	Front panel assembly FA	PH 1	100 Ncm
CombiCard 1000-3000	Set-up foot assembly	PH 2	40 Ncm
CombiCard 1000-3000	Handle assembly	PH 2	80 Ncm
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	

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Model	Screw area	Bit size	Recommended torque
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 PC Dome	Bosses øIns. 4mm/øOuts. 8,5mm	PH 2	100 Ncm
Euromas ABS Dome	Bosses øIns. 4mm/øOuts. 8,5mm	PH 2	100 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
Euromas XT	Enclosure screw connection	PH 1	80 Ncm
Euromas XM	Enclosure screw connection	PH 1	80 Ncm
Euromas XT	Mounting Plate-assembly	PH 2	60 Ncm
Euromas XM	Mounting Plate-assembly	PH 2	80 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
Futura/Portas	Enclosure screw connection T 899	PH 1	60 Ncm
Futura/Portas	Enclosure screw connection T 890/T 893	PH 1	60 Ncm
Futura/Portas	Enclosure screw connection T 895 P	PH 2	60 Ncm
Futura/Portas	Enclosure screw connection T 900	PH 2	60 Ncm
Intercard	Terminal compartment lid screw connectior	PH 2	100 Ncm
Intertego	Front profile / Side profile mountening	PH 2	150 Ncm
Intertego	Die-cast corner mountening	TX 10	150 Ncm

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Model	Screw area	Bit size	Recommended torque
RCP	Enclosure screw connection CF	PH 1	80 Ncm
RCP	Terminal compartment lid screw connectior	PH 2	100 Ncm
Sinfonie	Enclosure screw connection	PH 1	40 Ncm
Tastomat	Enclosure screw connection	PH 2	140 Ncm
Ultramas	Enclosure screw connection	PH 1	100 Ncm
Ultramas	Connecting strap	PH 2	100 Ncm
Ultrapult	Enclosure screw connection	PH 1	100 Ncm
Ultrapult	Wall brackets screw connection	PH 2	60 Ncm
Unimas	Enclosure screw connection	PH 1/PZ 1	70 Ncm
Uninorm	FP-assembly	PH 1	30 Ncm
Uninorm	RD-assembly	PH 1	30 Ncm
Uninorm	NK for enclosure screw connection	SL0.8mm	30 Ncm
Accessories	BE- . MN-IP-	PH 1	70 Ncm
Accessories	Universal screw-on lanyard loop OE-	PH 1	50 Ncm
Accessories	TSH 35	PH 1	50 Ncm
Accessories	TSH 35-2	PH 1	50 Ncm
Accessories	VESA-WB	PH 2	80 Ncm
Accessories	Mast mounting - Fastening Clip	SL1,2mm	200 Ncm
Accessories	Mast mounting - BFS MH1	TX 20	120 Ncm *)
Accessories	Mast mounting - BFS MH2	TX 25	160 Ncm *)
Accessories	Mast mounting - BFS MH3	TX 25	160 Ncm *)

*) Torque designed for static load. For dynamic loads, the user may have to takeadditional measures, such as using self-locking nuts.

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.