

AMS02 Structural Fastener List 09. December 2004
I.Physikalisches Institut der RWTH-Aachen

Connection	Category	Bolt	Nominal Thread / Size	Length	Qty.	Washer	Qty.	Insert / Nut	Qty.	Locking	Torque (in- lbs)
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Anti Coincidence Counter ACC

Clamps to VC-Flange	B	Socket Head	10-32 UNF	12.7 mm	64		64	MS124695 (*1)	64	safety wire	46 / 54.1
Connector Support to VC-Flange	B	Socket Head	8-36 UNF	13 mm	64		64		64	threadlock	29.3 / 34.4
Connector Support to VC-Flange	(-)	Shear Pin	Diam. 5.4 mm	3 mm	64						
Connector Casing to Support Bridge	C	Socket Head	M3	9 mm	128		128		128	threadlock	8,5/10
Connector Casing Halves	C	Threaded Rod	M2,5	50 mm	128		256		256	threadlock	5.3/6.8
PM Support to VC-Flange	B	Socket Head	10-32 UNF	12.7 mm	16		16	MS51830CA201L (*1)	16	threadlock	46 / 54.1
PM-Case: Cover to Support Plate	B	Socket Head	M2,5	6 mm	16		16		16	threadlock	5.3/6.8
PM Support to G10 Insulating Plate	B	Socket Head	10-32 UNF	10 mm	16		16	MS124695	16	threadlock	46 / 54.1
G10 Insulating Plate to PM-Housing (PC black)	D	Counter Sunk Bolt	M3	12 mm	64					covered by PM Support	0.85/1
PM-Housing Halves	D	Socket Head	M3	30 mm	32		64		32	threadlock	8,5/10
PM-Socket to PM-Housing (PC black)	D	Slotted Pan Head Bolt (PA6.6)	M3	15 mm	64					glued	0.85/1

Options:

(*1)= VC integrated