

Test Report (Short form) No. TL200536179

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Items to be tested AMC Carrier screws and die-cast struts
Identification 61849-022 / 60849-005, -022, -023 (M2.5x3 screw / struts)
Test request Thread torque capacity measurement
Test specification Measure torque until failure, tabulate values, using side cover hole position (short cutaway thread in strut – PCB slot)
Requestor Paul Rutherford / R&D
Test quantity 15 Screws M2.5x3 / 5x each per die-casting
Test results See below
Remarks -----
Test technician Thorsten Lehm
Date 05.09.2005
Signature

Results :**Trial 1 =**

Die-cast strut part no.: 60849-005
Ascertain $M_{\bar{u}}$ ($M_{\bar{u}}$ = failure torque)

No.:	Failure torque in Nm :	Remarks:
1	0,39 Nm	Thread in die-casting stripped out
2	0,38 Nm	Thread in die-casting stripped out
3	0,43 Nm	Thread in die-casting stripped out
4	0,32 Nm	Thread in die-casting stripped out
5	0,30 Nm	Thread in die-casting stripped out
Avg. =	0,36 Nm	----

Trial 2 =

Die-cast strut part no.: 60849-022

Ascertain $M_{\bar{u}}$ ($M_{\bar{u}}$ = failure torque)

No.:	Failure torque in Nm :	Remarks:
1	0,37 Nm	Thread in die-casting stripped out
2	0,44 Nm	Thread in die-casting stripped out
3	0,33 Nm	Thread in die-casting stripped out
4	0,35 Nm	Thread in die-casting stripped out
5	0,41 Nm	Thread in die-casting stripped out
Avg. =	0,38 Nm	----

Trial 3 =

Die-cast strut part no.: 60849-023

Ascertain $M_{\bar{u}}$ ($M_{\bar{u}}$ = Failure torque)

No.:	Failure torque in Nm :	Remarks:
1	0,34 Nm	Thread in die-casting stripped out
2	0,36 Nm	Thread in die-casting stripped out
3	0,32 Nm	Thread in die-casting stripped out
4	0,38 Nm	Thread in die-casting stripped out
5	0,41 Nm	Thread in die-casting stripped out
Avg. =	0,36 Nm	----

Photos :

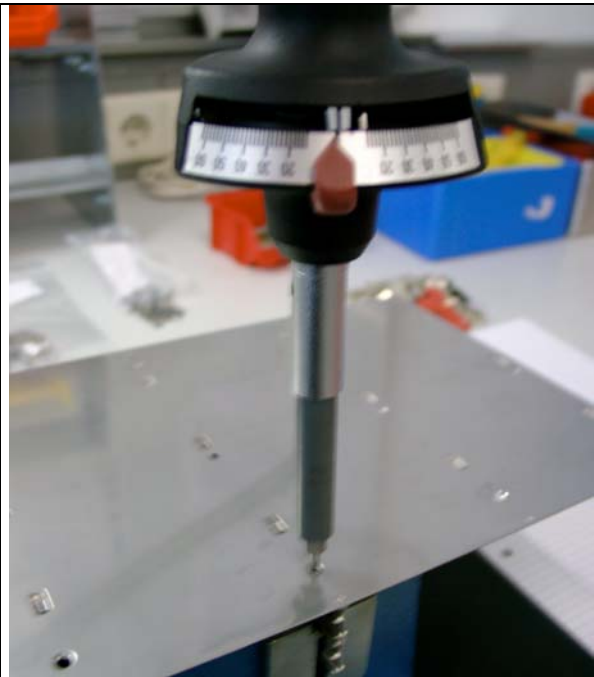


Photo 1=
Trial with die-cast strut part no.: 60849-005.
Measurement performed with STAHLWILLE torque tester.



Photo 2=
Trial with die-cast strut part no.: 60849-022.
Measurement performed with STAHLWILLE torque tester.

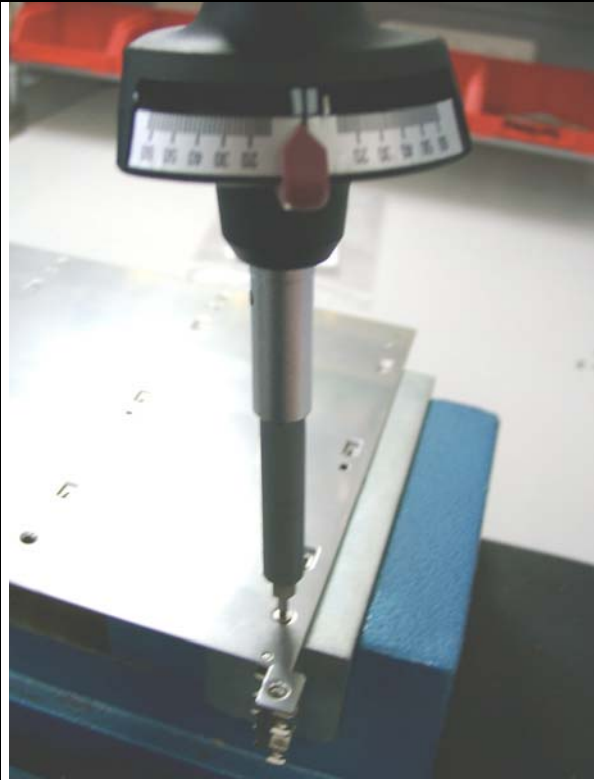


Photo 3=
Trial with die-cast strut part no.: 60849-023.
Measurement performed with STAHLWILLE torque tester.