

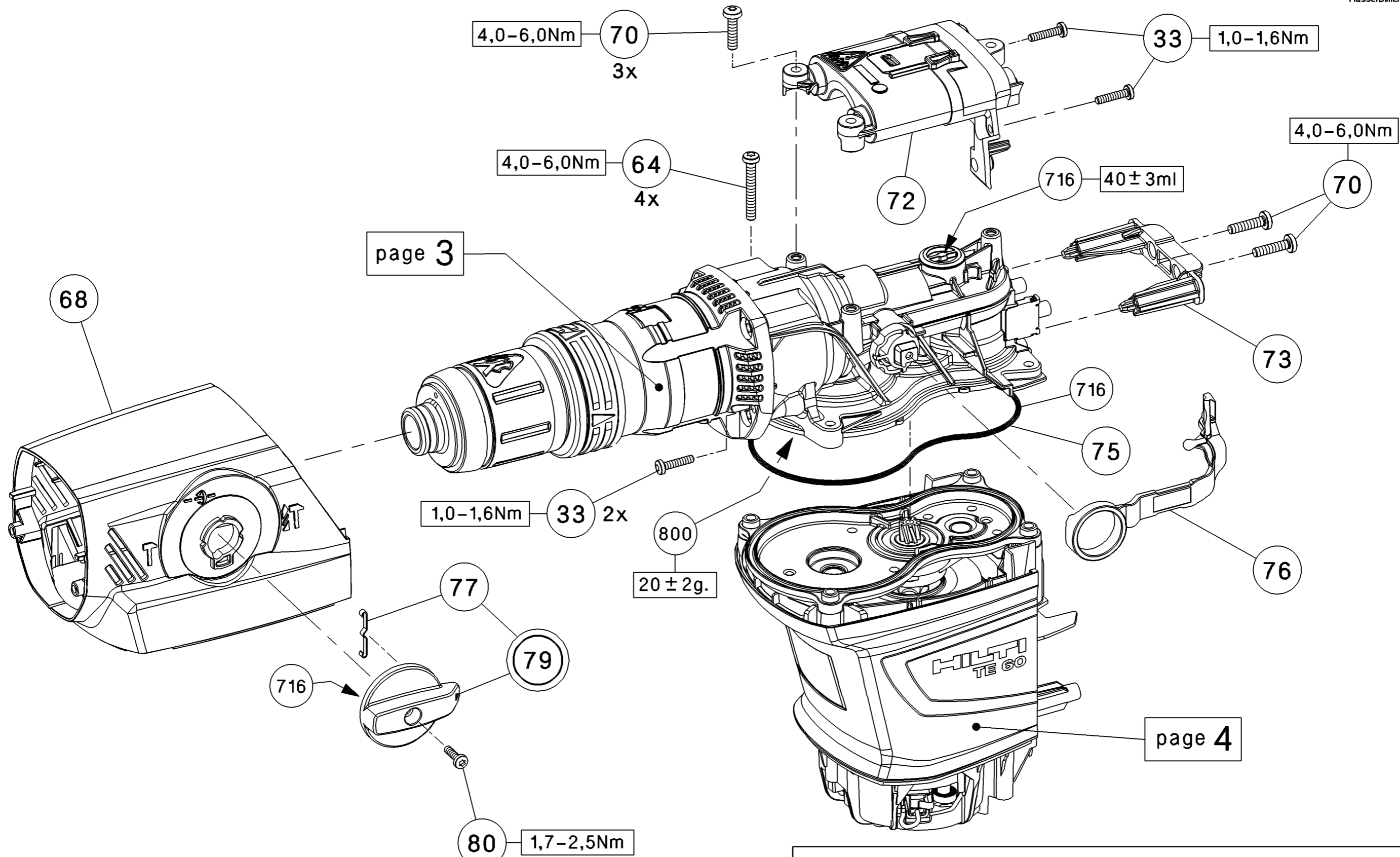
page 2-4

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without TPS

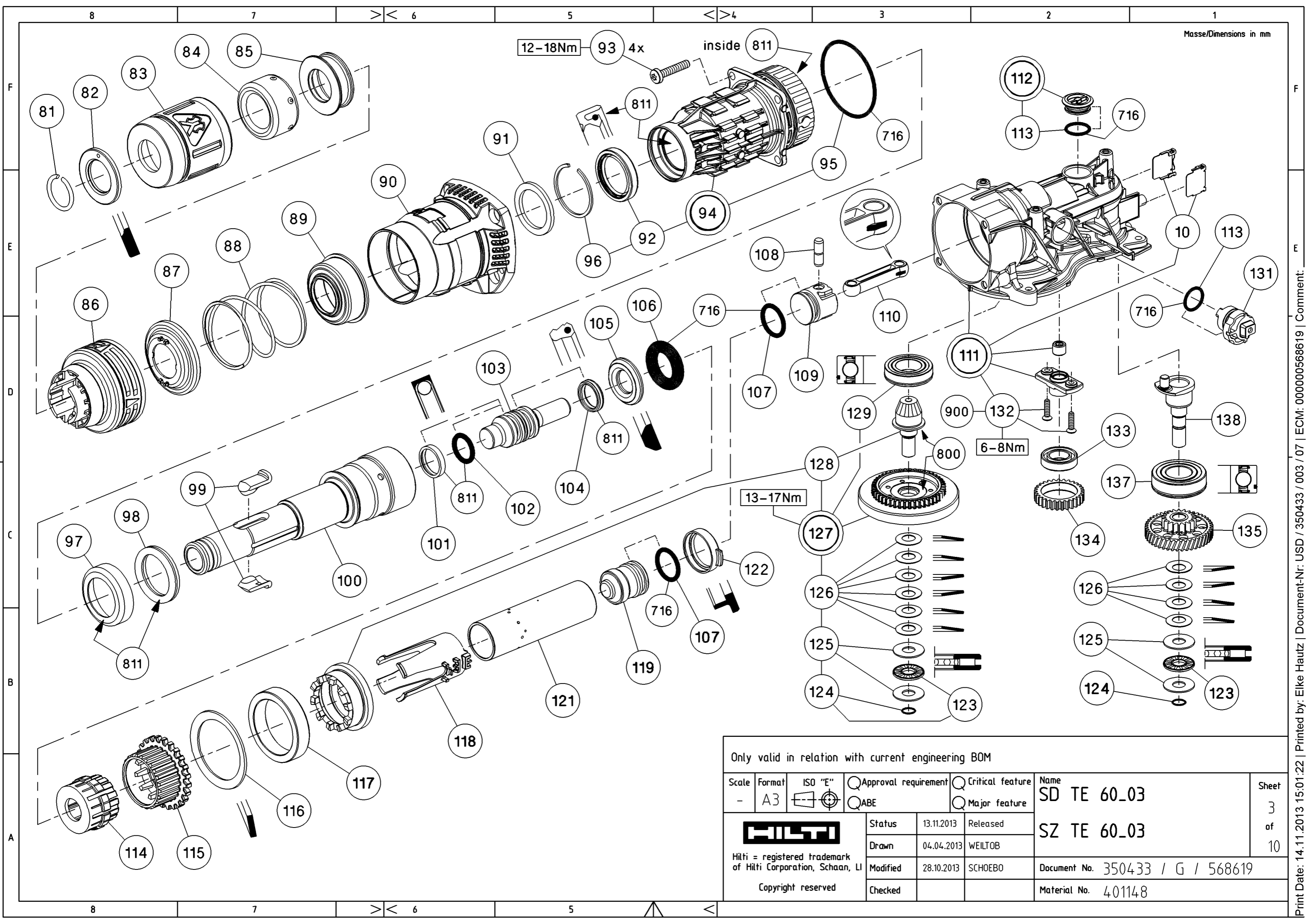
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Scale	Format	ISO "E"	<input type="checkbox"/> Approval requirement	<input type="checkbox"/> Critical feature	Name	Sheet
-	A3		<input type="checkbox"/> ABE	<input type="checkbox"/> Major feature	SD TE 60_03	1
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					Drawn	04.04.2013 WEILTOB
					Modified	28.10.2013 SCHOEBO
					Checked	
					Document No.	350433 / G / 568619
					Material No.	401148



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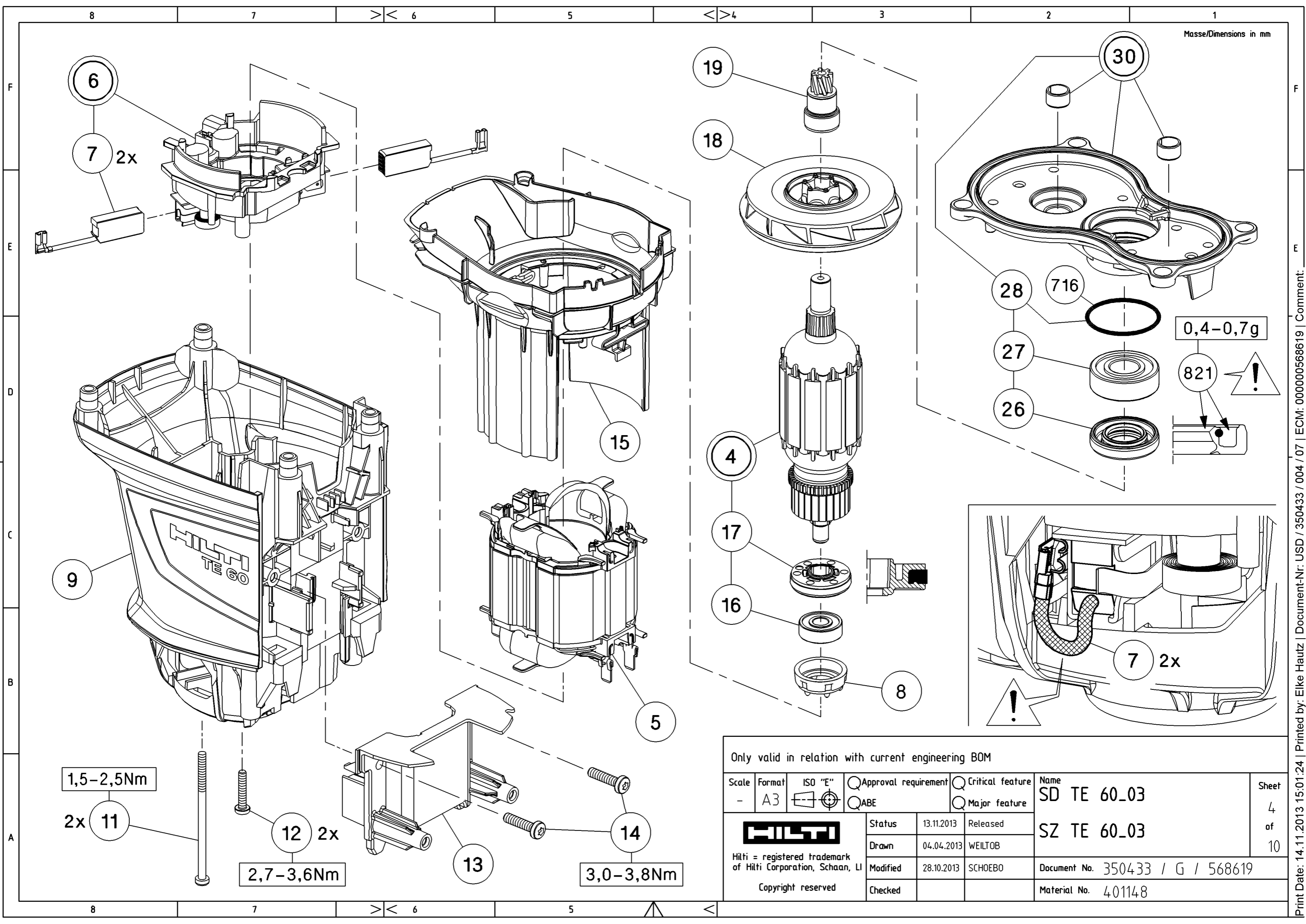
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			Status	13.11.2013	Released	10
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			Checked			
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					Material No.	401148



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					Document No.	350433 / G / 568619
					Material No.	401148

Print Date: 14.11.2013 15:01:22 | Printed by: Elke Hautz | Document-Nr: USD / 350433 / 003 / 07 | ECM: 00000568619 | Comment:



Masse/Dimensions in mm

1,5-2,5Nm

2x 11

2,7-3,6Nm

12 2x

3,0-3,8Nm

14

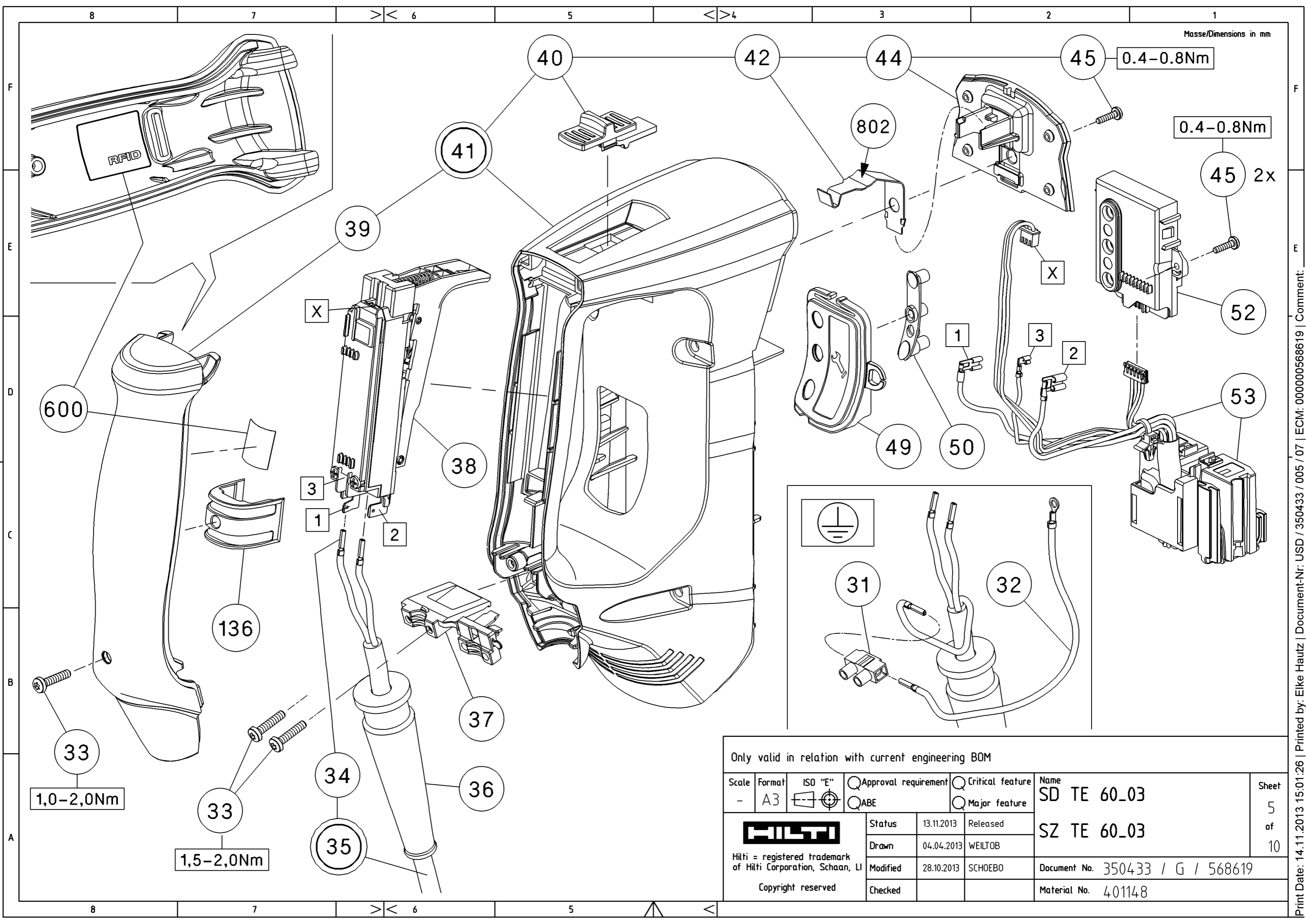
0,4-0,7g

821

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Scale	Format	ISO "E"	<input type="checkbox"/> Approval requirement	<input type="checkbox"/> Critical feature	Name	Sheet
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					Drawn	04.04.2013 WEILTOB
					SZ TE 60_03	of
					Modified	28.10.2013 SCHOEBO
					Document No.	350433 / G / 568619
					Checked	Material No.
						401148

Print Date: 14.11.2013 15:01:24 | Printed by: Elke Hautz | Document-Nr: USD / 350433 / 004 / 07 | ECM: 00000568619 | Comment:



Masse/Dimensions in mm

0.4-0.8Nm

0.4-0.8Nm

45 2x

600

136

33

1,0-2,0Nm

33

1,5-2,0Nm

34

35

37

36

38

39

41

40

42

44

45

802

49

50

52

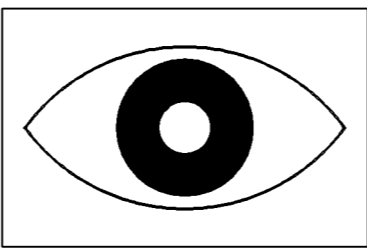
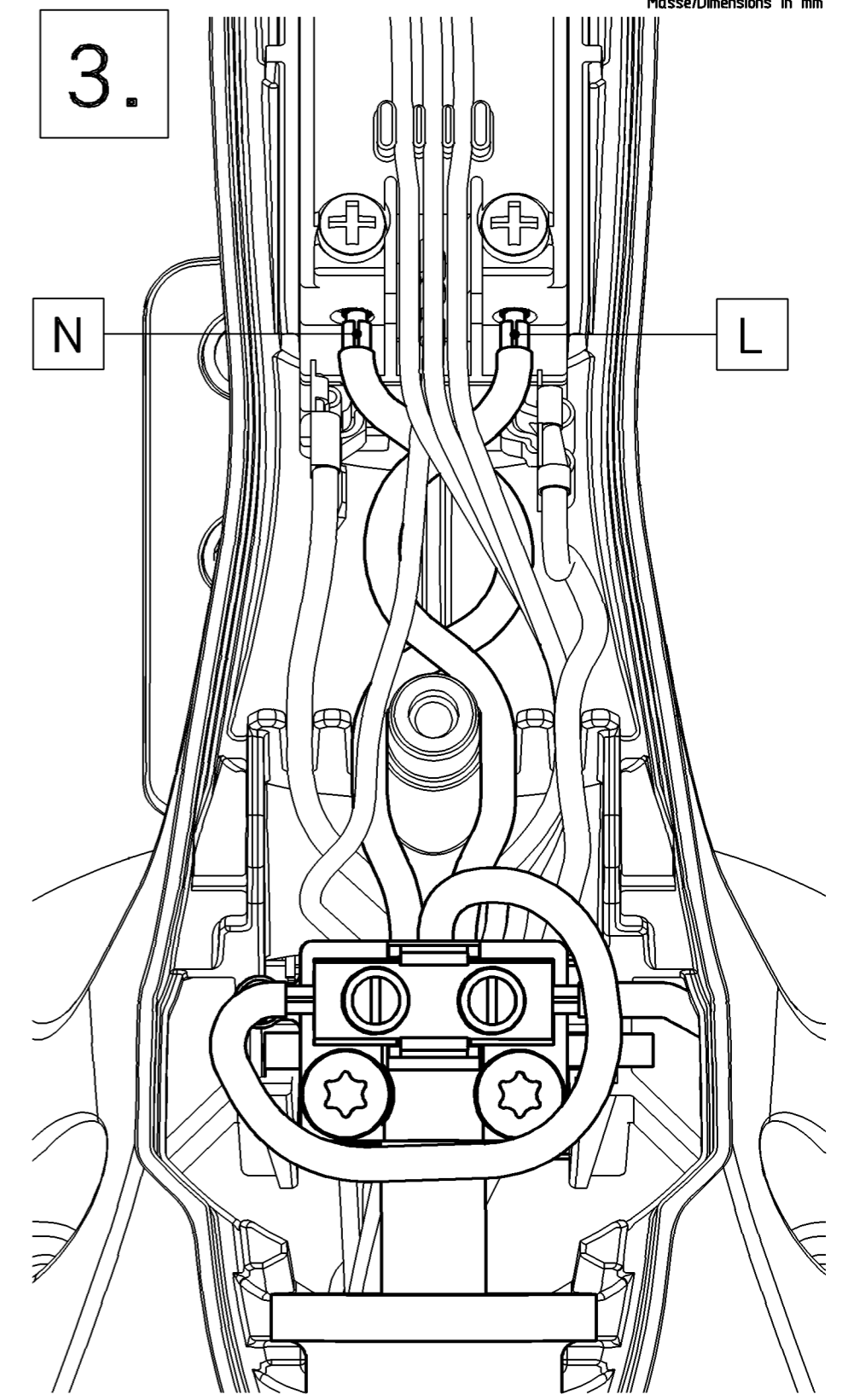
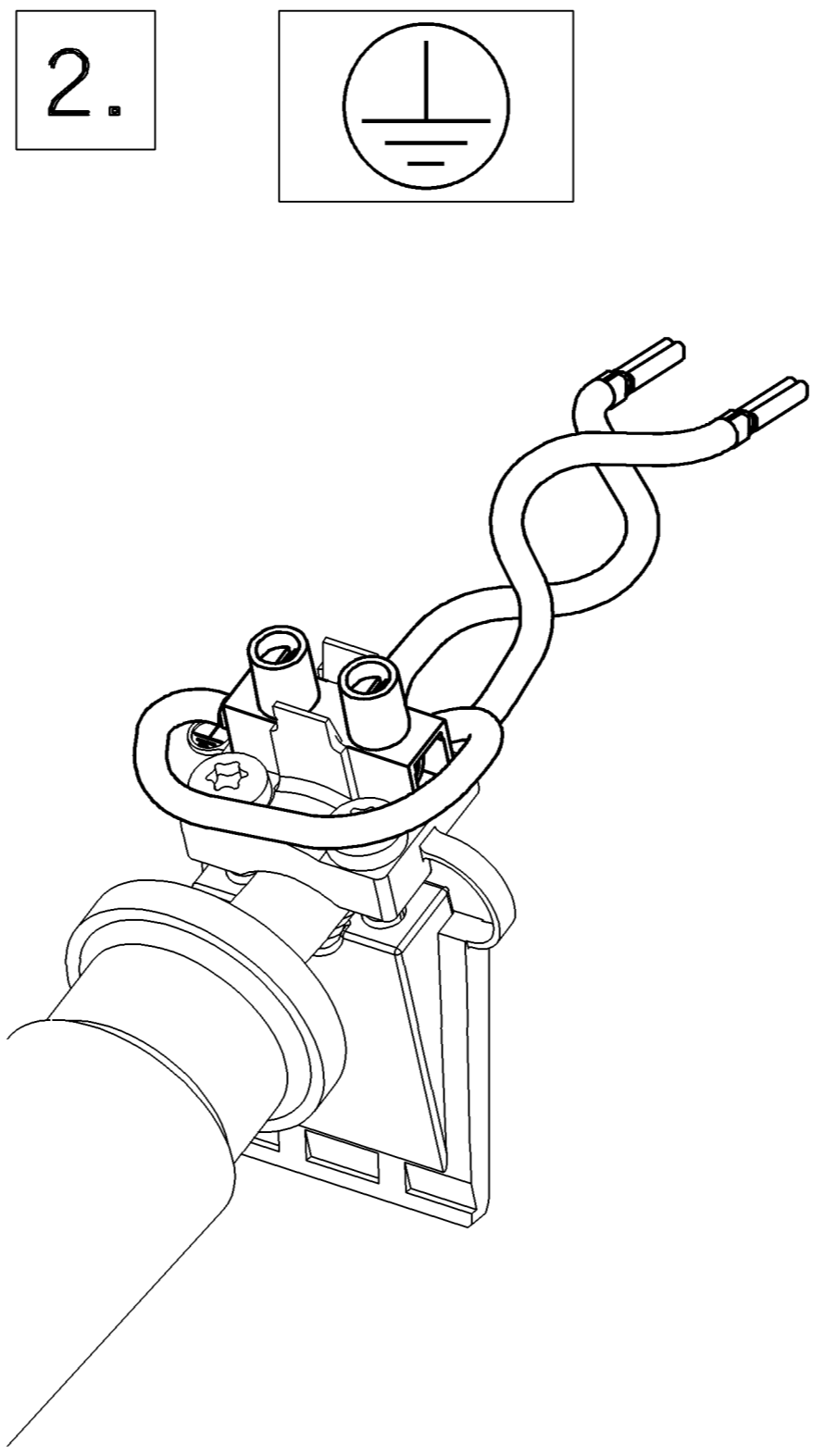
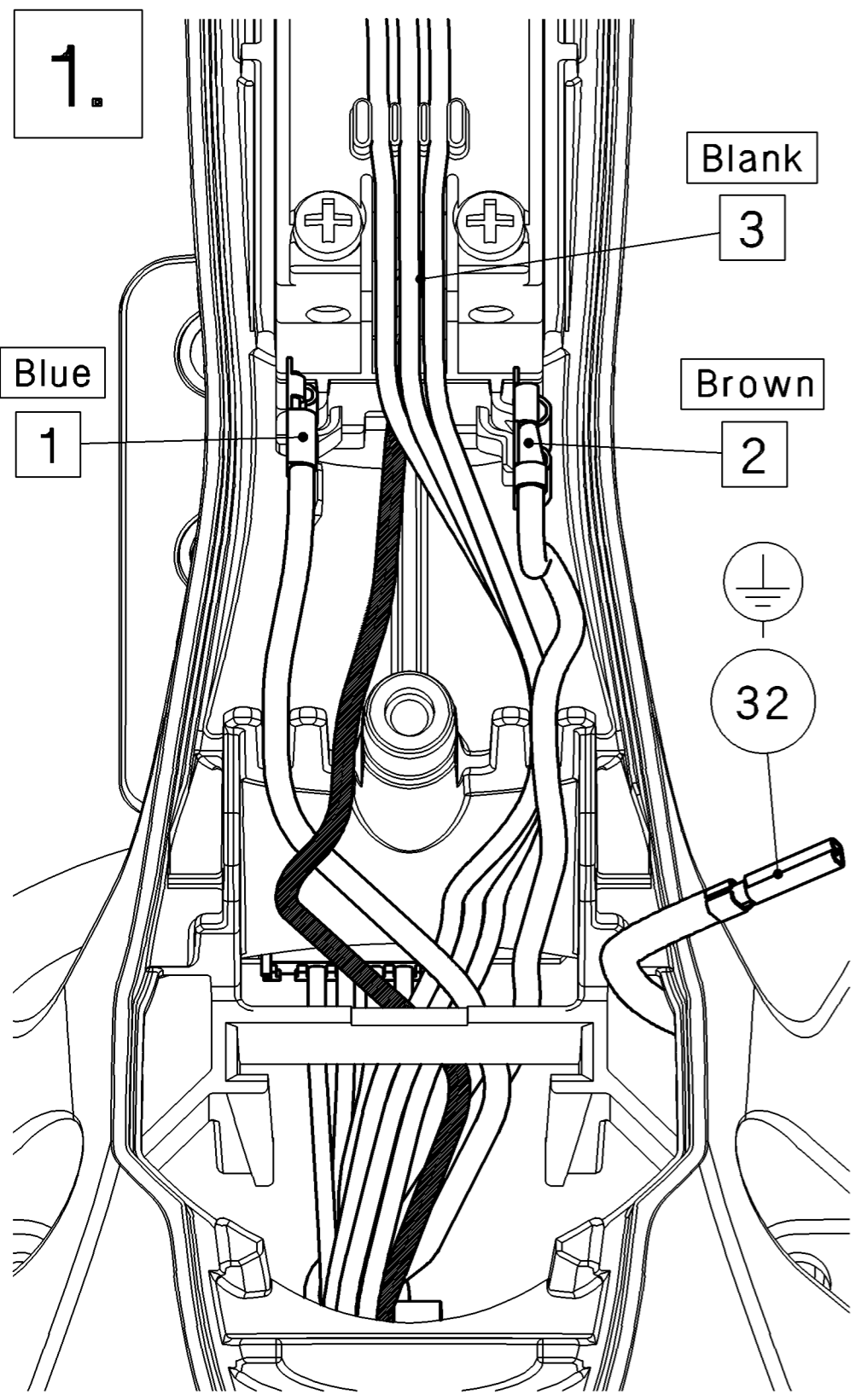
53

31

32

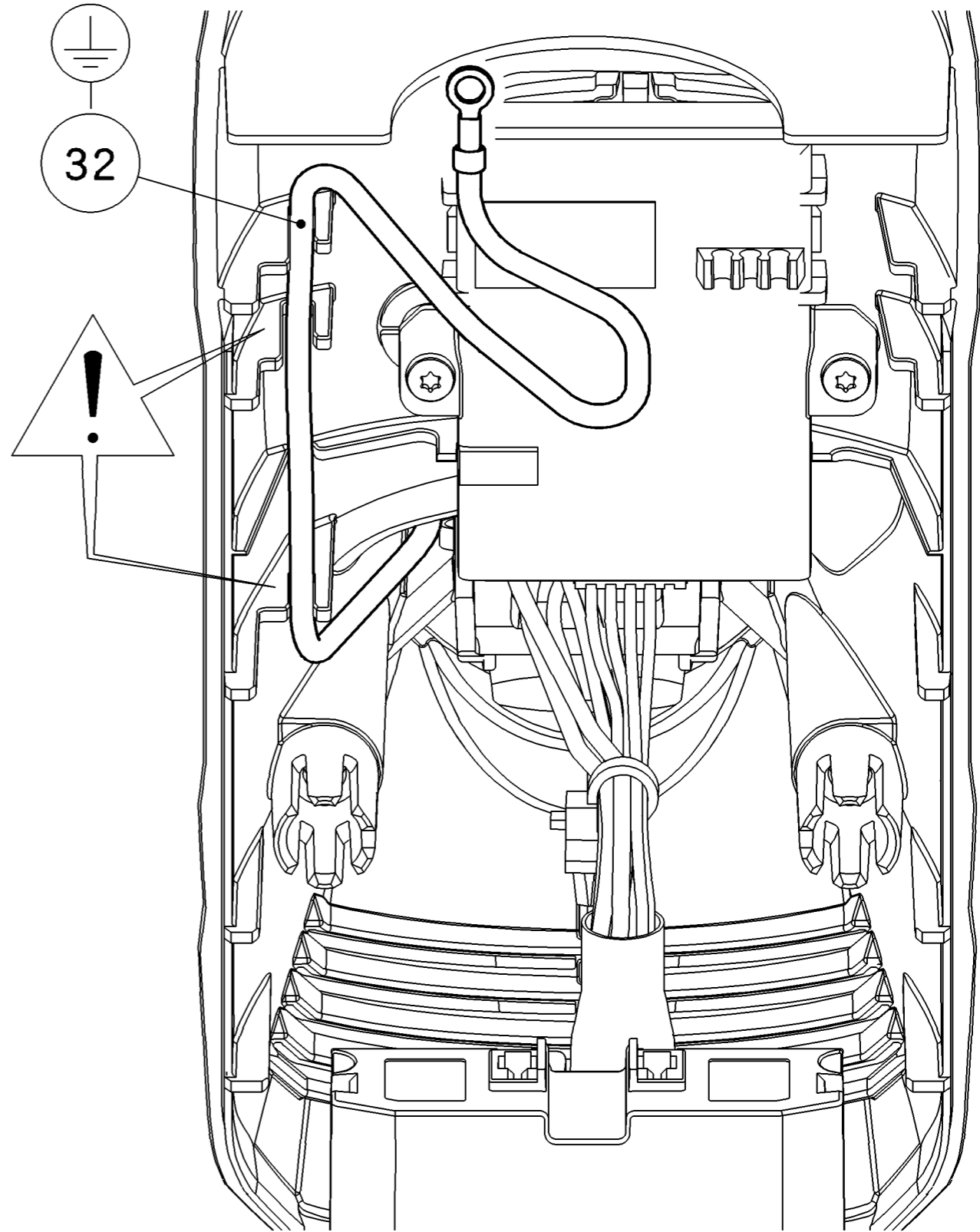
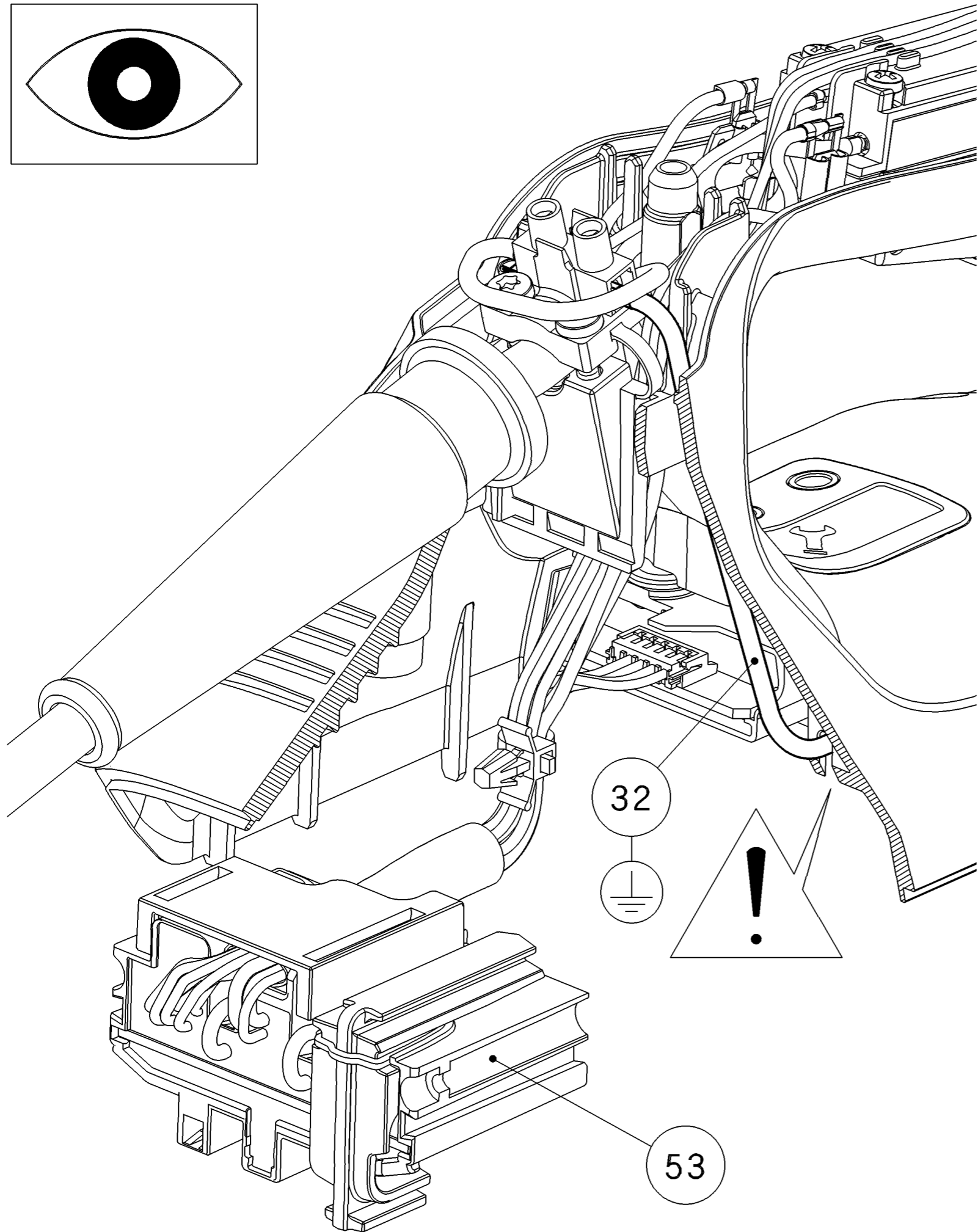
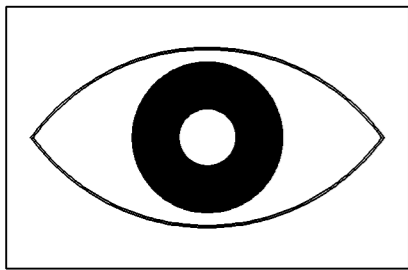
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Scale	Format	ISO "E"	<input type="checkbox"/> Approval requirement	<input type="checkbox"/> Critical feature	Name	Sheet
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					SZ TE 60_03	of 10
					Document No.	350433 / G / 568619
					Material No.	401148



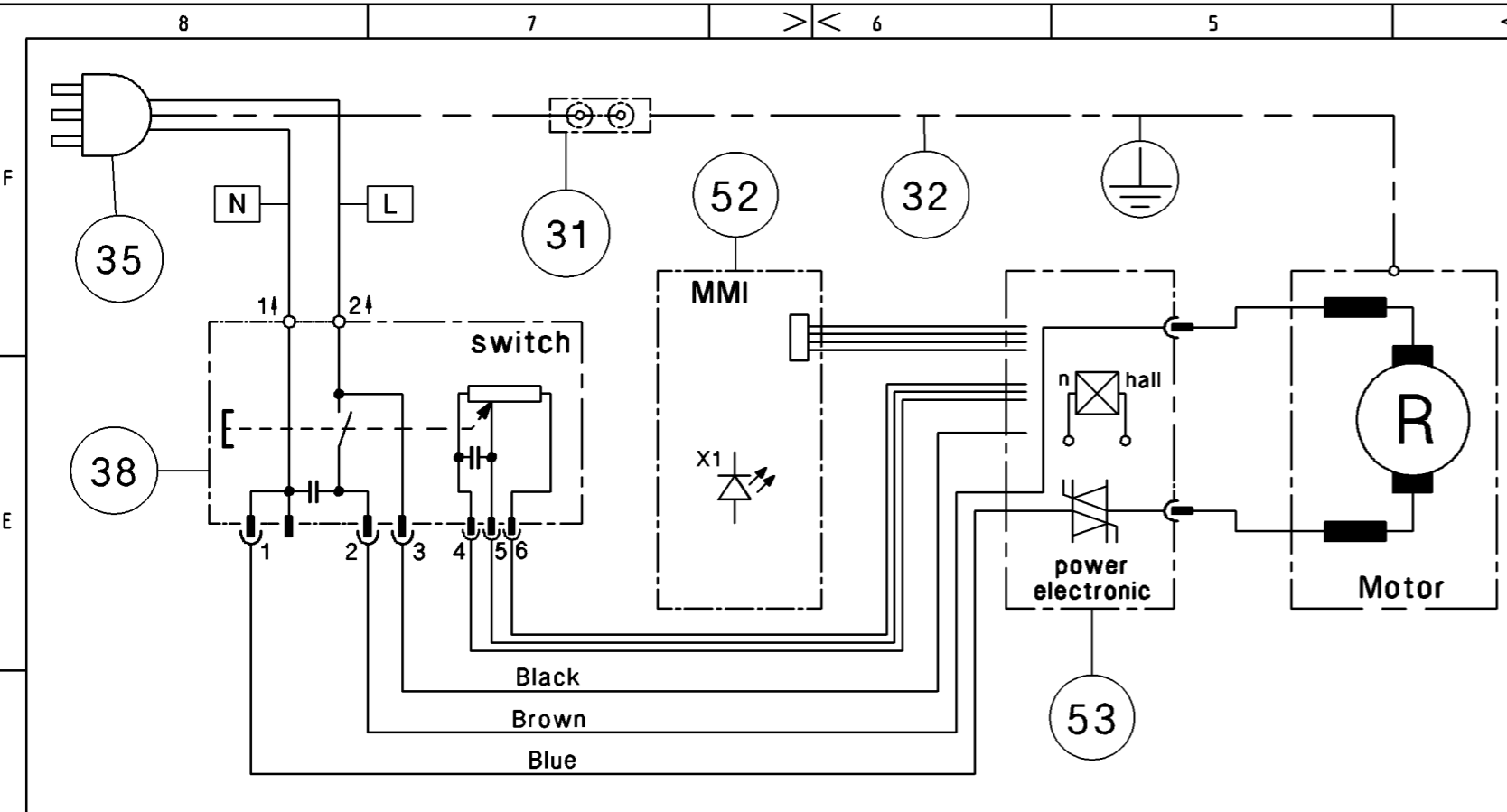
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<b>HILTI</b>			Status	13.11.2013	Released	6 of 10
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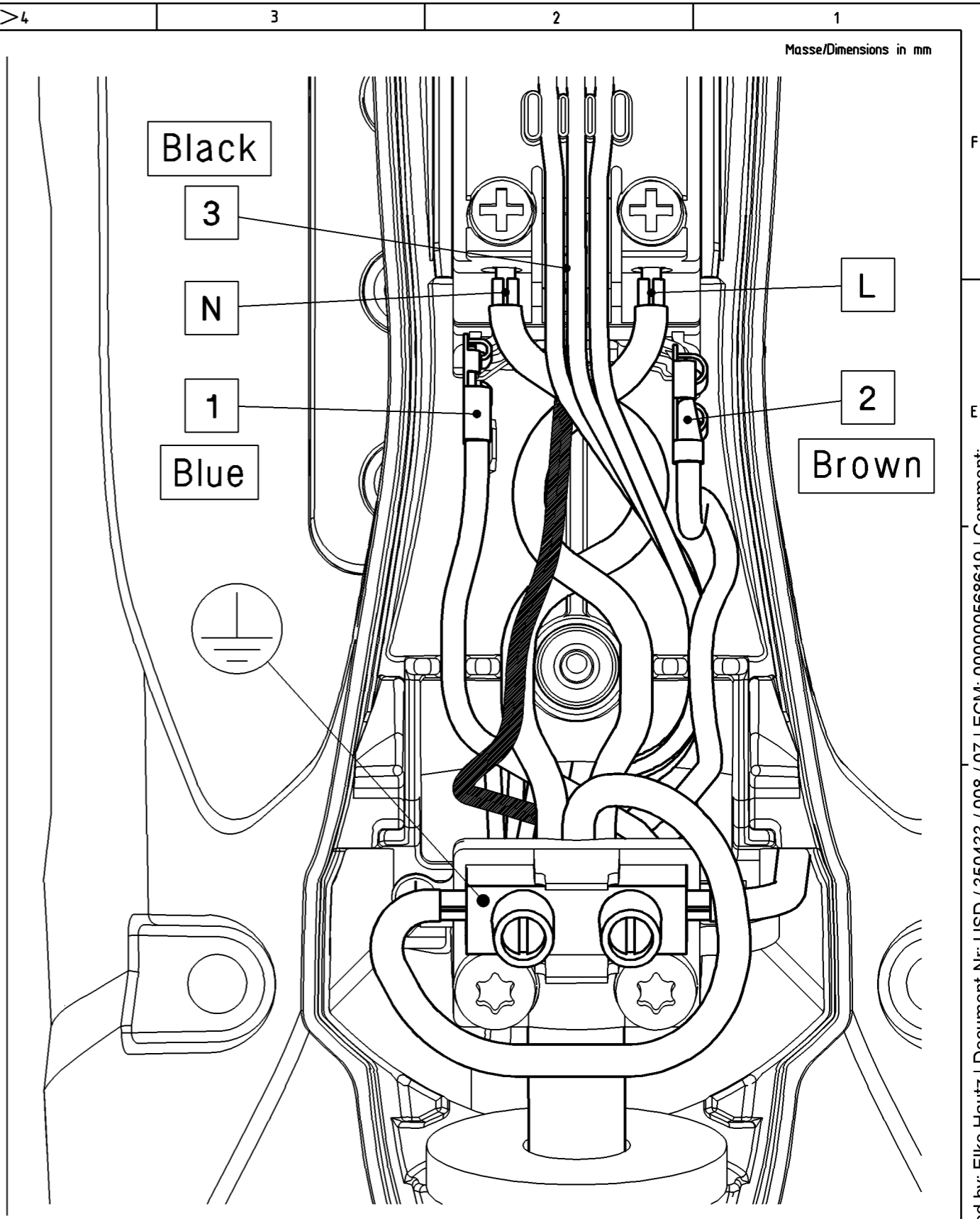
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					Document No.	350433 / G / 568619
					Material No.	401148



without TPS

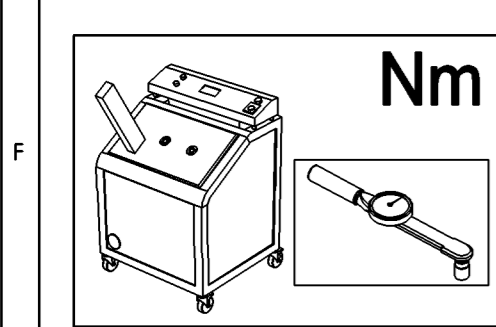
SPL No.	L	N	⏏
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401170	Brown	Blue	-
401188	Brown	Blue	-
401191	Brown	Blue	-
401192	Black	White	Green
401193	Black	White	-
401194	Brown	Blue	-
401195	Brown	Blue	-
401196	Black	White	-
401197	Brown	Blue	-
401198	Brown	Blue	-
401199	Black	White	-
441856	Black	White	-
2010699	Brown	Blue	-
2012973	Brown	Blue	-
2038442	Brown	Blue	-



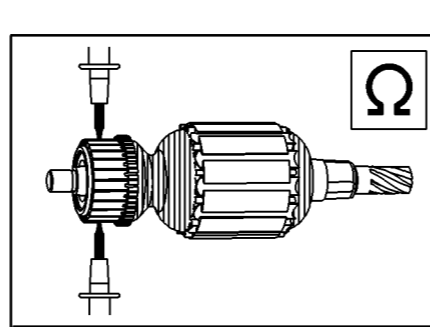
Only valid in relation with current engineering BOM

Scale	Format	ISO "E"	<input type="checkbox"/> Approval requirement	<input type="checkbox"/> Critical feature	Name	Sheet
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			Status	13.11.2013	Released	8 of 10
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					SZ TE 60_03	
					Document No.	350433 / G / 568619
					Material No.	401148

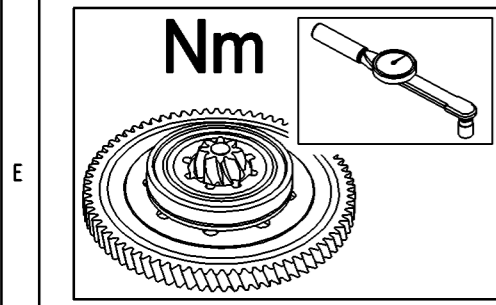
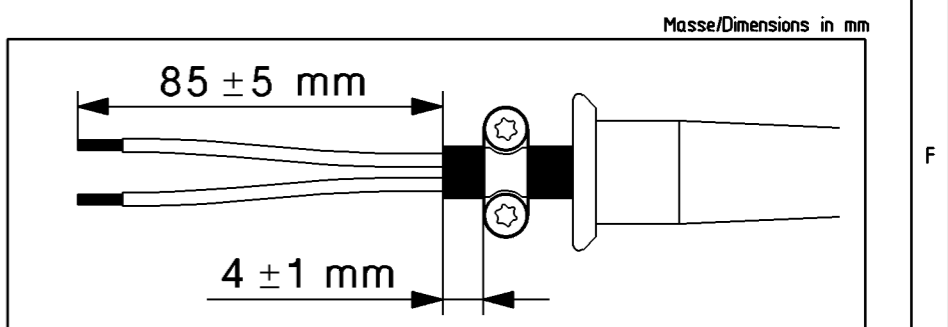




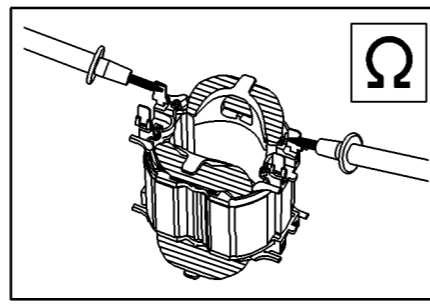
<b>Nm</b>	separate	13-17 Nm
	tool complete	45-65 Nm
	dynamic	-



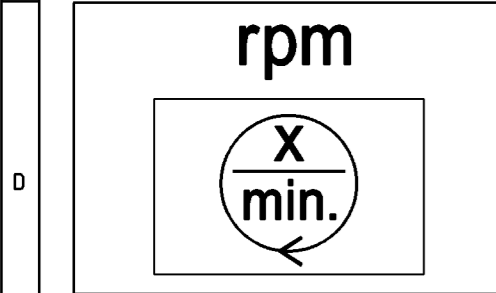
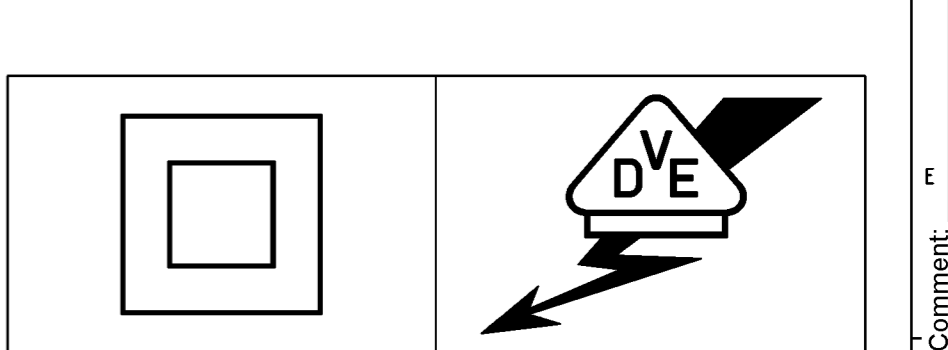
$\Omega$	100-110V	0,36 - 0,42A
	120-127V	0,47 - 0,58A
	220-240V	1,52 - 1,78A



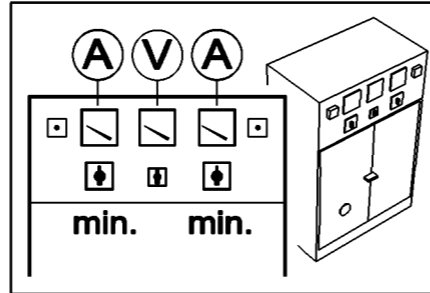
<b>Nm</b>	13 - 17 Nm
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$\Omega$	100-110V	0,24 - 0,28A
	120-127V	0,30 - 0,34A
	220-240V	1,10 - 1,28A

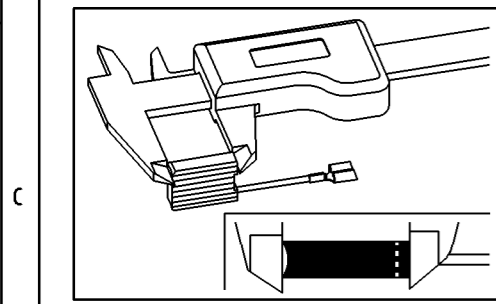


<b>I</b>	330 - 360 rpm
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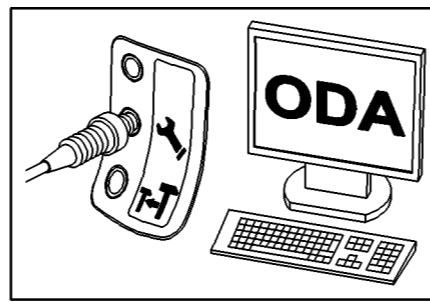


100-110V	9,0 - 12,0A
120-127V	8,0 - 11,0A
220-240V	4,0 - 6,0A
burn-in priode	5 min

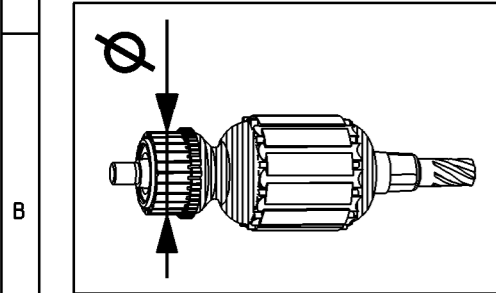
Electrical safety test according VDE 0701 / 0702  
or  
High voltage test according operation instruction SECUTEST



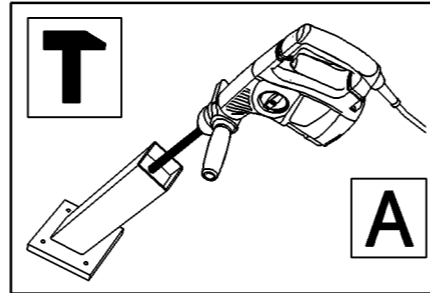
new	26 mm
cut-out	10 mm
replace	<14 mm
electronic stops	120 h



120 h
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new	29,7-0,2 mm
minimum	28,5 mm



<b>A</b>	100-110V	13,0 - 16,0A
	120-127V	12,0 - 15,0A
	220-240V	6,0 - 8,0A

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				Material No.	401148

8	7	>< 6	5	<>4	3	2	1																													
F	<h3>Haftungsausschluss</h3> <p>Reparaturen am Gerät dürfen nur von einer entsprechend sachkundigen Fachkraft unter Berücksichtigung der gesetzlichen Vorschriften durchgeführt werden. Andernfalls besteht Unfall- und Verletzungsgefahr. Die entsprechenden Instruktionen bezüglich Pflege, Unterhalt und Reparaturen in den jeweiligen Bedienungsanleitungen sind strikte einzuhalten.</p>		<h3>Disclaimer</h3> <p>Tool repair must be performed only by qualified repair personnel knowledgeable about the specific tool and the legal requirements. Service, maintenance or repair performed by unqualified personnel could result in a risk of accidents and injury. The instructions with regard to service, maintenance and repair in the respective operating instructions must be strictly adhered to.</p>		<h3>免責條款</h3> <p>合格的機具維修人員必須具備特殊機具的知識，並符合法規的要求。由不合格的人員進行服務、保養或維修，可能會造成危險事故及傷害。必須嚴格遵守各項說明書中之服務、保養及維修的說明。</p>		<h3>Изключване на отговорността</h3> <p>Уреалт може да се ремонтира само от компетентен специалист при съблюдаване на нормативните Разпоредби. В противен случай може да възникне опасност от нараняване или злополука. Трябва да се спазват стриктно съответните инструкции по отношение на техническо обслужване, поддръжка и ремонт, които са приведени в съответните Ръководства за експлоатация.</p>																													
E	<h3>Vyloučení záruky</h3> <p>Opravy náradí směji, s ohledem na zákonné předpisy, provádět náležitým způsobem jen odborně kvalifikovaní pracovníci. Jinak vzniká riziko úrazu a poškození. Pokyny ohledně ošetřování, údržby a oprav, uvedené v příslušných návodech k použití, musí být přesně dodrženy.</p>		<h3>Ansvarsfraskrivelse</h3> <p>Reparationer på apparatet skal altid udføres af en fagmand i overensstemmelse med de gældende regler og bestemmelser. I modsat fald er der risiko for ulykker og personskader. Anvisningerne på pleje, vedligeholdelse og reparationer, der er beskrevet i instruktionsbogen, skal altid overholdes.</p>		<h3>Αποποίηση ευθυνών</h3> <p>Επισκευές στη συσκευή επιτρέπεται να διενεργούνται μόνο από αντίστοιχα εκπαιδευμένα πρόσωπα λαμβάνοντας υπόψη τις νομικές διατάξεις. Διαφορετικά υπάρχει κίνδυνος για ατυχήματα και τραυματισμούς. Πρέπει να τηρούνται αυστηρά οι ισχύουσες οδηγίες που αναφέρονται στα εκάστοτε εργαλεία χρήσης όσον αφορά τη φροντίδα, τη συντήρηση και τις επισκευές.</p>		<h3>Exención de responsabilidad</h3> <p>Las reparaciones que se realicen en la herramienta sólo pueden ser efectuadas por expertos especializados conforme a las disposiciones legales. En caso contrario, existe el peligro de accidente o el riesgo de lesiones. Las indicaciones referentes al cuidado, al mantenimiento y a las reparaciones incluidas en los correspondientes manuales de instrucciones deben cumplirse estrictamente.</p>																													
E	<h3>Vastutuse välistamine</h3> <p>Seadet tohivad parandada üksnes asjaomase ettevõtmistusega spetsialistid, kes peavad kinni seadusandlikest eeskirjadest. Nimetatud nõude eiramise tagajärjeks on vigastuste ja õnnetuste oht. Rangelt tuleb järgida iga seadme kasutusjuhendis toodud asjaomaseid hooldus-, korrashoiu- ja parandusjuhiseid</p>		<h3>Vastuulauseke</h3> <p>Laitteiden ja koneiden korjauksitäh saa tehdä vain ammattitaitoinen, näihin töihin koulutettu henkilö, ja toisää on noudatettava lakisääteisiä määräyksiä. Muutoin onnettomuus- ja loukkaantumisvaara on olemassa. Käyttöohjeissa annettuja hoitoa, ylläpitoa ja korjauksia koskevia ohjeita on ehdottomasti noudatettava tarkasti.</p>		<h3>Limitation de responsabilité</h3> <p>Les réparations sur l'appareil doivent exclusivement être effectuées par une main-d'œuvre qualifiée et compétente, conformément aux prescriptions légales. À défaut de quoi, il y a risque d'accidents et de blessures corporelles. Les instructions correspondantes relatives au nettoyage, à l'entretien et aux réparations spécifiées dans les modes d'emploi respectifs doivent être rigoureusement respectées.</p>		<h3>Isključenje odgovornosti</h3> <p>Popravke na uređaju smiju izvoditi samo odgovarajući stručnjaci uzimajući u obzir zakonske propise. U suprotnom slučaju postoji opasnost od nezgoda i tjelesnih ozljeda. Strogo se valja pridržavati odgovarajućih uputa glede njege, održavanja i popravaka u pojedinim uputama za uporabu.</p>																													
D	<h3>A felelősség kizárása</h3> <p>A szerszám javítását csak kifejezetten hozzáértő szakember végezheti a vonatkozó törvényes előírások betartásával. Ennek figyelmen kívül hagyása baleset- és sérülésveszélyt idéz elő. A mindenkorai kezelési utasítás szervizre, karbantartásra és javításra vonatkozó rendelkezéseit szigorúan be kell tartani.</p>		<h3>Esclusione di responsabilità</h3> <p>Le riparazioni dell'attrezzo devono essere eseguite esclusivamente da personale specializzato addestrato, osservando i relativi requisiti di legge. In caso contrario sussiste il pericolo di incidenti e di lesioni. Attenersi con precisione alle istruzioni relative alla cura, la manutenzione e la riparazione riportate nelle rispettive istruzioni d'uso.</p>		<h3>免責条項</h3> <p>本体の修理は、訓練を受けた修理スペシャリストのみが、適用されている法規に従って行うことができます。その他の方が修理しますと、怪我や事故の危険がともないます。取扱説明書に記述されている手入れ、保守および修理に関する指示を必ず遵守してください。</p>		<h3>보증제외</h3> <p>기기의 수리는 법규를 고려하여 전문 기술자만이 실시할 수 있습니다. 그렇게 하지 않으면 사고 및 부상의 위험이 있습니다. 해당 사용 설명서에 기재되어 있는 서비스, 유지보수 및 수리와 관련된 지침을 엄격하게 준수해야 합니다.</p>																													
C	<h3>Atsakomybės apribojimas</h3> <p>Prietaisais gali būti taisomas tik atitinkama kvalifikacija turinčių specialistų atsizvelgiant į teisinius poavarius. Priešingu atveju yra pavojus patirti nelaimingą atsitikimą arba susižeisti. Privatu tiksliai laikytis atitinkamų priežiūros, aptarnavimo ir remonto instrukcijų, nurodytų atitinkamo prietaiso naudojimo instrukcijoje.</p>		<h3>Atbildības atsaukšana</h3> <p>Instrumenta remontu drīkst veikt tikai atbilstoši kvalificēts personāls, ievērojot spēkā esošās tiesību normas. Citādā gadījumā pastāv negadījumu risks un risks gūt traumas. Stingri jāievēro atbilstoši attiecīgo lietošanas instrukciju norādījumi, kuri attiecas uz instrumentu kopšanu, uzturēšanu kārtībā un remontu.</p>		<h3>Disclaimer</h3> <p>Reparaties aan het apparaat mogen alleen worden uitgevoerd door gekwalificeerd en deskundig personeel, met inachtneming van de wettelijke voorschriften. Wordt hier niet aan voldaan, dan kan dit leiden tot ongevallen of letsel. Men dient zich strikt te houden aan de instructies inzake verzorging, onderhoud en reparaties in de betreffende gebruiksaanwijzingen.</p>		<h3>Ansvarsfraskrivelse</h3> <p>Reparasjon av maskinen skal kun foretas av sakkyndig fagperson. Lovfestede krav må følges under dette arbeidet. I motsatt fall oppstår fare for ulykker og personskade. De tilhørende instruksjonene vedrørende pleie, vedlikehold og reparasjon i de tilhørende bruksanvisningene må følges nøye.</p>																													
B	<h3>Wyłączenie odpowiedzialności cywilnej</h3> <p>Naprawy urządzenia mogą być przeprowadzane wyłącznie przez autoryzowanego serwisanta z uwzględnieniem obowiązujących przepisów prawnych. W przeciwnym razie istnieje zagrożenie spowodowania wypadku i obrażeń. Należy dokładnie przestrzegać zaleceń z poszczególnych instrukcji obsługi dotyczących pielęgnacji, utrzymywania w stanie sprawności oraz napraw.</p>		<h3>Exclusão de responsabilidade</h3> <p>As reparações no aparelho devem ser efectuadas apenas por pessoal técnico especializado, sob consideração das prescrições legais. Caso contrário, existe perigo de acidente e ferimentos. As respectivas instruções relativas à conservação, manutenção e reparações que constam no respectivo manual de instruções devem ser rigorosamente respeitadas.</p>		<h3>Исключение ответственности</h3> <p>Ремонт аппарата должен выполняться только квалифицированным специалистом при условии соблюдения предписаний, установленных законом. В противном случае возможна угроза несчастного случая или травмирования. Следует неукоснительно выполнять инструкции по уходу, содержанию и ремонту аппарата, приведенные в соответствующих руководствах по эксплуатации.</p>		<h3>Vylúčenie záruky</h3> <p>Opravy náradia smú, s ohľadom na zákonné predpisy, vykonávať náležitým spôsobom len odborné kvalifikovaní pracovníci. Inak vzniká riziko úrazu a poškodenia. Pokyny týkajúce sa ošetrovania, údržby a opráv, uvedené v príslušných návodoch na používanie, musia byť presne dodržané.</p>																													
B	<h3>Isključitev odgovornosti</h3> <p>Popravila lahko izvajajo le ustrezno usposobljeni strokovnjaki ob upoštevanju zakonskih predpisov. V nasprotnem primeru obstaja nevarnost nesreč in poškodb. Strogo je treba upoštevati ustrezna navodila glede nege, vzdrževanja in popravila iz posameznih navodil za uporabo.</p>		<h3>Friskrivning från ansvar</h3> <p>Reparationer på detta verktyg får endast utföras av fackman, och gällande lagar och regler måste följas. I annat fall finns risk för olyckor och skador. Instruktionerna om skötsel, underhåll och reparationer i respektive bruksanvisning måste följas strikt.</p>		<div style="border: 1px solid black; padding: 5px;"> <p>Only valid in relation with current engineering BOM</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Scale</td> <td>Format</td> <td>ISO "E"</td> <td><input type="checkbox"/> Approval requirement</td> <td><input checked="" type="checkbox"/> Critical feature</td> <td rowspan="2">Name <b>SD TE 60_03</b></td> <td rowspan="2">Sheet 10 of 10</td> </tr> <tr> <td>-</td> <td>A3</td> <td></td> <td><input type="checkbox"/> ABE</td> <td><input checked="" type="checkbox"/> Major feature</td> </tr> <tr> <td colspan="3" rowspan="4" style="text-align: center;"><b>HILTI</b> Hilti = registered trademark of Hilti Corporation, Schaan, LI Copyright reserved</td> <td>Status</td> <td>13.11.2013</td> <td>Released</td> <td rowspan="4">Document No. 350433 / G / 568619 Material No. 401148</td> </tr> <tr> <td>Drawn</td> <td>04.04.2013</td> <td>WEILTOB</td> </tr> <tr> <td>Modified</td> <td>28.10.2013</td> <td>SCHOEBO</td> </tr> <tr> <td>Checked</td> <td></td> <td></td> </tr> </table> </div>		Scale	Format	ISO "E"	<input type="checkbox"/> Approval requirement	<input checked="" type="checkbox"/> Critical feature	Name <b>SD TE 60_03</b>	Sheet 10 of 10	-	A3		<input type="checkbox"/> ABE	<input checked="" type="checkbox"/> Major feature	<b>HILTI</b> Hilti = registered trademark of Hilti Corporation, Schaan, LI Copyright reserved			Status	13.11.2013	Released	Document No. 350433 / G / 568619 Material No. 401148	Drawn	04.04.2013	WEILTOB	Modified	28.10.2013	SCHOEBO	Checked				
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A	<h3>Clauze de exonerare</h3> <p>Repararea maşinii (sculei) trebuie efectuată doar de către personal calificat pentru reparații, care posedă cunoștințe despre mașina respectivă și cerințele legale. Activitățile de depanare, întreținere și reparare efectuate de personal necalificat pot duce la risc de accidentări și vătămări. Trebuie respectate cu strictețe toate instrucțiunile de depanare, întreținere și reparare din manualele de utilizare respective.</p>																																			
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