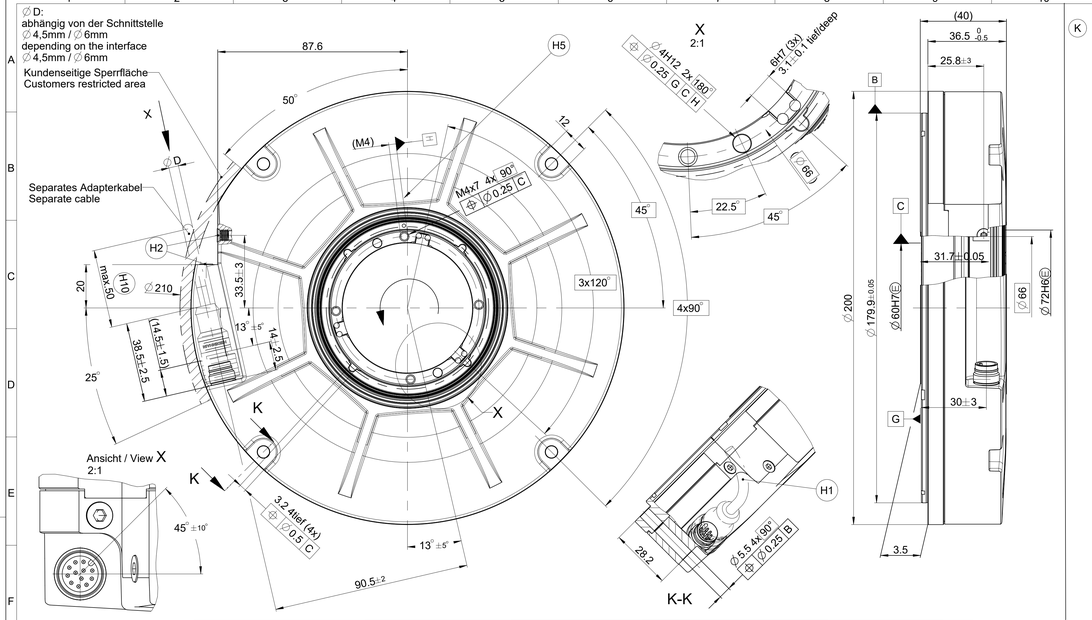
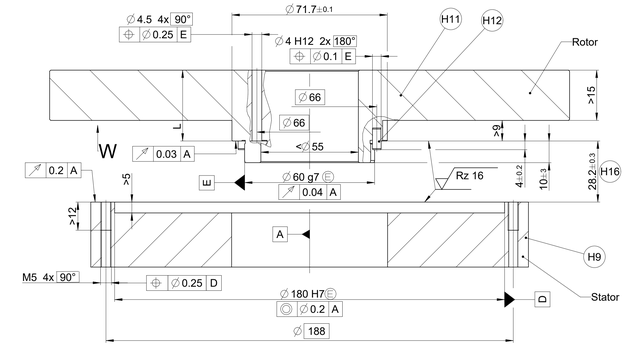
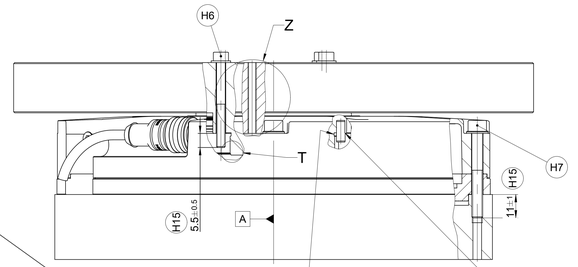
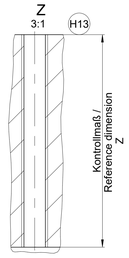
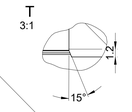


K Stirnseitige Wellenankopplung mit mechanischem Fehlerausschluss
Front end shaft coupling with mechanical fault exclusion

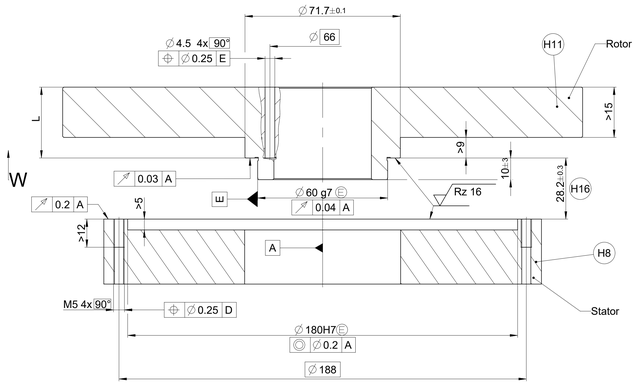


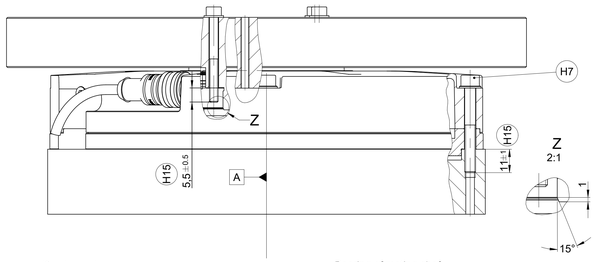




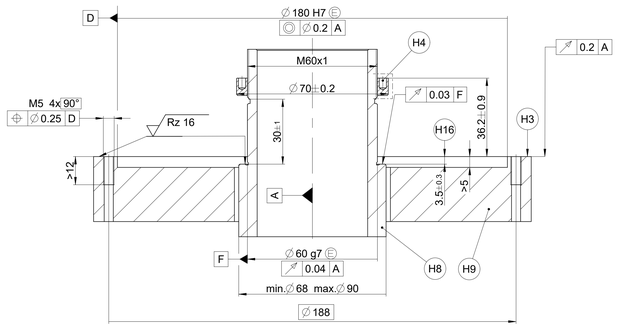


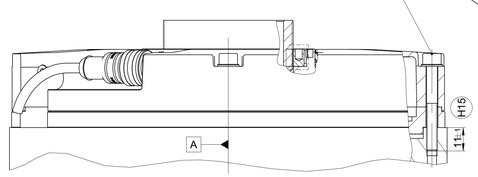
K Stirnseitige Wellenankopplung ohne mechanische Fehlerausschluss
Front end shaft coupling without mechanical fault exclusion



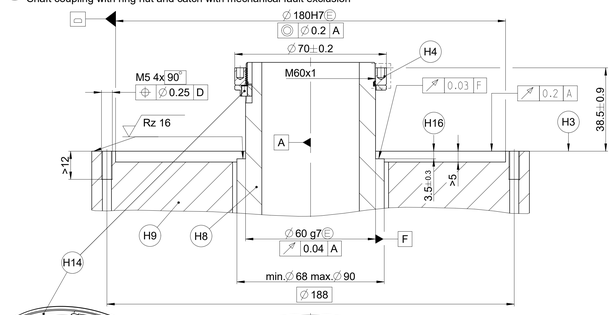


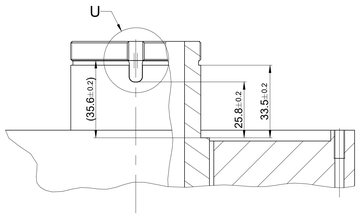
K Wellenankopplung mit Ringmutter ohne mechanischen Fehlerausschluss
Shaft coupling with ring nut without mechanical fault exclusion

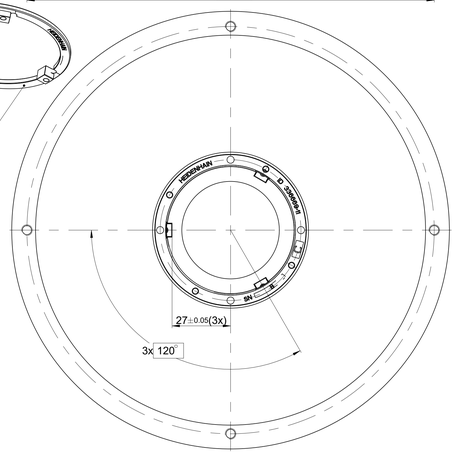


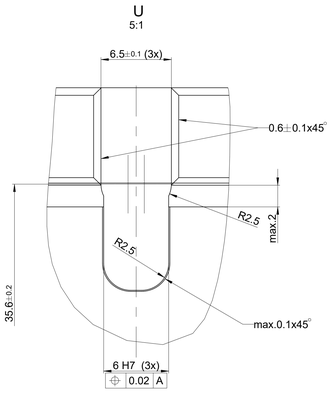


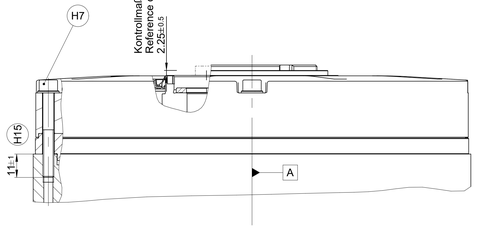
K Wellenankopplung mit Ringmutter und Mitnehmer mit mechanischem Fehlerausschluss
Shaft coupling with ring nut and catch with mechanical fault exclusion

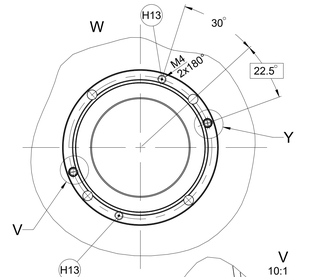


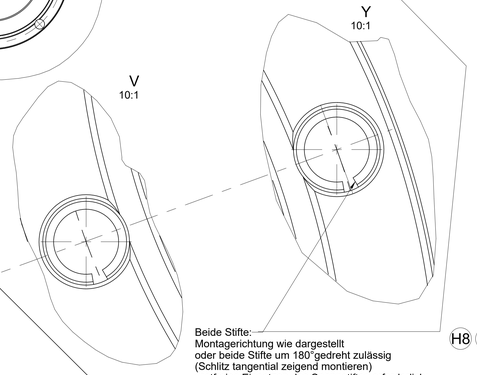












Beide Stifte:
Montagerichtung wie dargestellt
oder beide Stifte um 180°gedreht zulässig
(Schlitz tangential zeigend montieren)
gratfreies Einsetzen des Spannstiftes erforderlich;
möglichen Span vor Montage entfernen.
both spring-type straight pins:
Direction of assembling as shown
or both spring-type straight pins rotated by 180°
(mount slot in tangential direction)
spring-type straight pin must be inserted burr-free;
a potential chipping has to be removed

A = Lagerung Kundenwelle	Bearing of mating shaft
K = Kundenseitige Anschlussmaße	Required mating dimensions
H1 = Biegeradius bei Dauerbiegebeanspruchung bei -Kabeldurchmesser 6mm: R>75 -Kabeldurchmesser 4,5mm R>50 Biegeradius bei einmaliger Biegung bei -Kabeldurchmesser 6mm: R>20 -Kabeldurchmesser 4,5mm: R>10	Bending radius for frequent configuration for -cable diameter 6mm: R>2.9528" -cable diameter 4,5mm: R>1.9685" Bend radius for rigid configuration for -cable diameter 6mm: R>0.7874" -cable diameter 4.5mm: R>0.3937"
H2 = Druckluftanschluss	Compressed air inlet
H3 = RCN - Anschraubfläche	RCN - mounting surface
H4 = Anziehdrehmoment der Ringmutter: 50±5Nm Stoffschlüssige Losdrehsicherung (mittelfest, demontierbar) Kundenwelle während der Montage fixieren	Tightening torque of ring nut: 50±5Nm Materially bonding thread-locking fluid (medium strength, removable) fix mating shaft when mounted
H5 = Markierung der 0° Position ±5°	0° position index ±5°
H6 = Anziehdrehmoment der Zylinderschrauben M4x(L+5.5) (4x): 2.9±0,15Nm Schraube: ISO 4762 Schraubenfestigkeitsklasse 8.8 Scheibe: ISO 7092-4-200HV Stoffschlüssige Losdrehsicherung (mittelfest, demontierbar)	Tightening torque of the hexagon socked head cap screws M4x(L+5.5) (4x): 2.9±0.15Nm Screw: ISO 4762 Screw property class 8.8 Washer: ISO 7092-4-200HV Materially bonding thread-locking fluid (medium strength, removable
H7 = Anziehdrehmoment der Zylinderschrauben M5x40 (4x): 6±0,2Nm Schraube: ISO 4762 Schraubenfestigkeitsklasse 8.8 Scheibe: ISO 7092-5-200HV Stoffschlüssige Losdrehsicherung (mittelfest, demontierbar)	Tightening torque of the hexagon socked head cap screws M5x40 (4x): 6±0.2Nm Screw: ISO 4762 Screw property class 8.8 Washer: ISO 7092-5-200HV Materially bonding thread-locking fluid (medium strength, removable)
H8 H9 H11 = Material: siehe Prospekt Dokument ID 591109	Material: see Brochure Document ID 591109
H10 = Kabelabstützung	Cable support
H12 = 2x Spannstift für Formschluss ISO 8752-4x10-St Montagereihenfolge: 1. Spannstifte winkellagerichtig siehe Detail Y und V in Teil H11 montieren 2. Teil H11 mittels Schrauben H6 montieren 3. Kontrollmaß Z (gemessen durch Bohrung) beachten L-Z=±0,15	2x spring-type straight pin for form fit ISO 8752-4x10-St Mounting sequence: 1. Mount spring-type straight pins in correct angular position (see detail Y and V) in part H11 2. Mount part H11 using H6 screws 3. Pay attention to reference dimension Z (measured through hole) L-Z=±0,15
= Drehrichtung der Welle für Ausgangssignal gem. Schnittstellenbeschreibung	Direction of shaft rotating for output signals is described in interface description
H13 = Bei Verwendung von Spannstift zusätzliche Abdrückgewinde (M4) erforderlich	Using spring-type straight pin removing threads (M4) necessary
H14 = Mechanischer Fehlerausschluss: Mitnehmer bei Wellenankopplung mit Ringmutter erforderlich	Mechanicalfault exclusion: Catch using shaft coupling with ring nut necessary
H15 = Einschraublänge	Screw penetration
H16 =Toleranzangabe beinhaltet Montagetoleranzen und thermische Ausdehnungen. Keine dynamische Bewegung zulässig.	Tolerance specification includes mounting tolerances and thermal expansion. no dynamic movement permitted.

Montageflächen und Gewinde müssen sauber, grat- und lackfrei sein
nach Messgerätetausch Gewinde nachschneiden

mounting surfaces and threads must be clean and free off burrs and paint;
after removing the angle encoder, recut the threads

		ID number:	
		Change No:	C197681-05
		Phase:	Serie
Original drawing	RCN 8xx1	Tolerances as per ISO 8015	
Scale: 1:1	Format: A0	RCN 8xx1	General Tolerances ISO 2768:1989-mH
Dimensions in mm		Anschlussmaße / Mating Dimensions	Stirnm.±0,2

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