

## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BD-1B012A-1K3D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3317

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 3.5 kg / 7.72 lb  
Length 396 mm / 15.59 in  
Side to Center 43 mm / 1.69 in  
Country of Origin: Germany



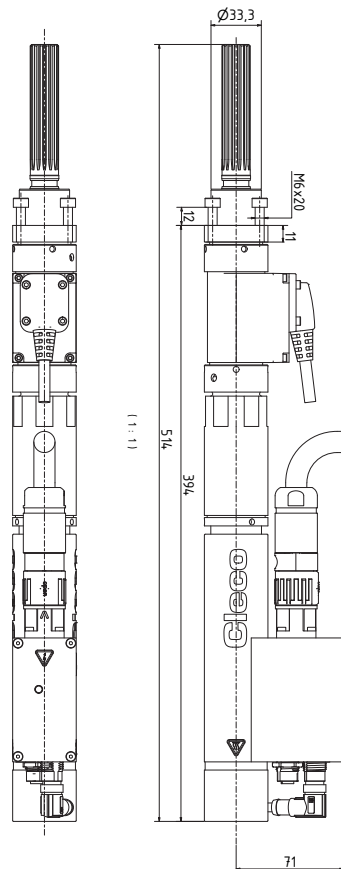
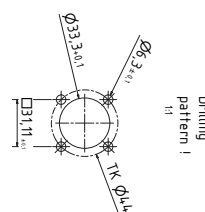
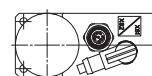
## 1BD12T1S-A

## STRAIGHT DRIVE SINGLE TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE



Apex Tool Group, LLC

Phone: +1 (800) 845-5629

Phone: +1 (919) 387-0099

Phone: +49 (0)7363 81-0

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### Spindle Assembly

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- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BD-1B012A-2/1K3D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3317

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 4.1 kg / 9.04 lb  
 Length 476 mm / 18.74 in  
 Side to Center 43 mm / 1.69 in  
 Country of Origin: Germany



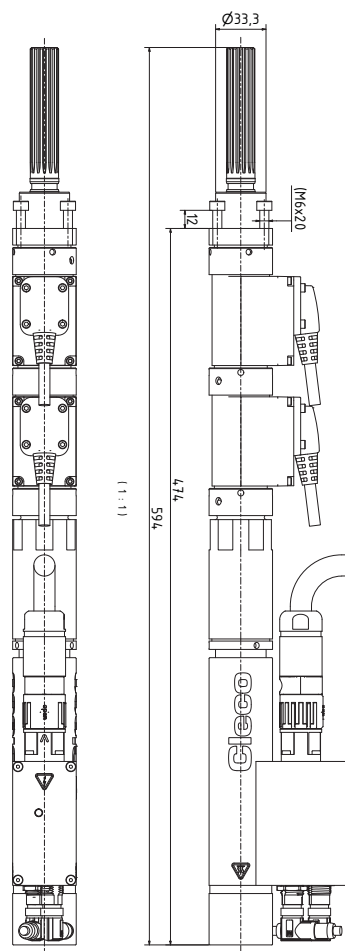
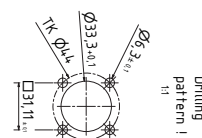
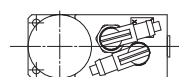
## 1BD12T2S-A

## STRAIGHT ATTACHMENT, TWIN TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE



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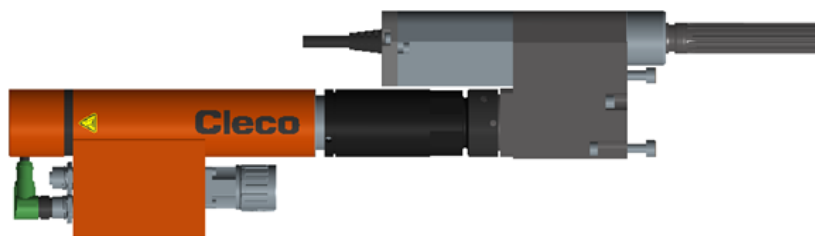
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## FEATURES

### Spindle Assembly

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- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BD-1B012A-1VK3D

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3151

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 4.0 kg / 8.82 lb  
 Length 384 mm / 15.12 in  
 Side to Center 35 mm / 1.38 in  
 Country of Origin: Germany



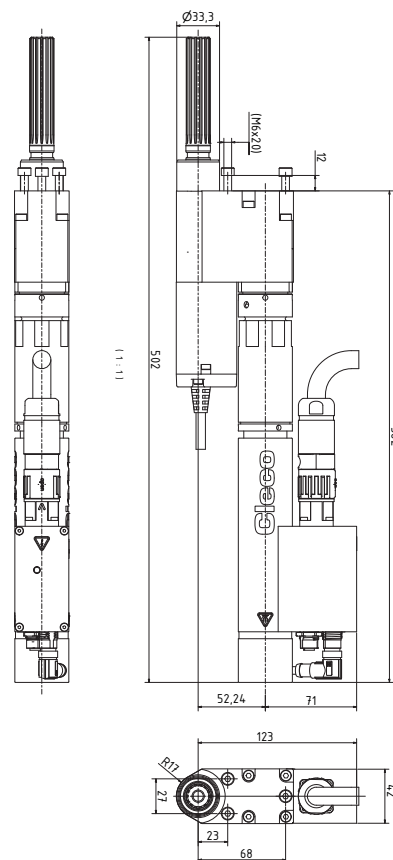
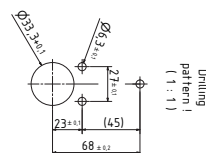
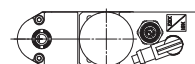
## 1BD12T10-A

## OFFSET DRIVE, SINGLE TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE



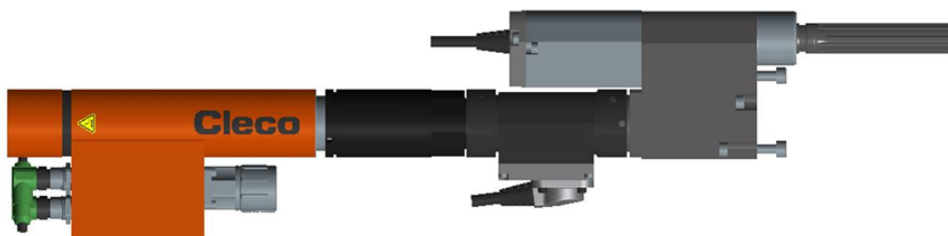
## Highly Productive Modular Assembly System

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## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BD-1B012A-1K3D-1VK3D

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3151

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 4.6 kg / 10.14 lb  
 Length 464 mm / 18.27 in  
 Side to Center 35 mm / 1.38 in  
 Country of Origin: Germany



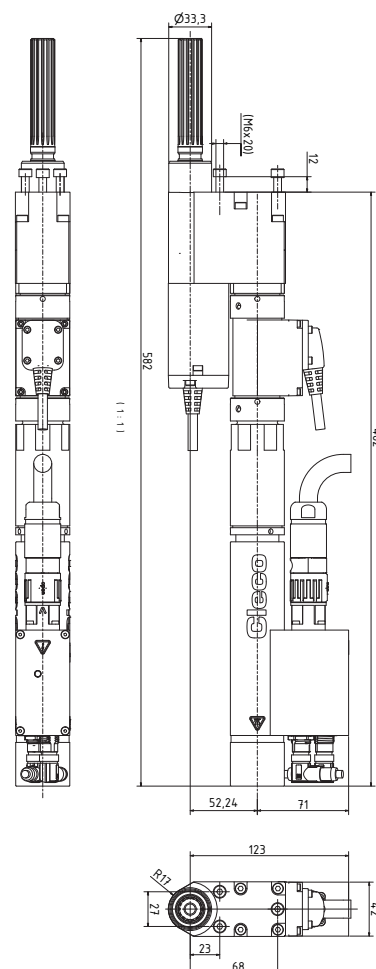
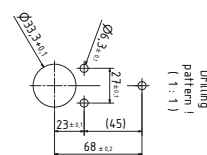
## 1BD12T20-A

## OFFSET ATTACHMENT, TWIN TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE



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# Product Specifications

## Highly Productive Modular Assembly System

**System brings unmatched Reliability and Durability to your assembly line**

## FEATURES

## Spindle Assembly

- **Drive attachments:** Full complement of modular configurations
- **Motors:** New high precision
- **Transducer:** New digital. Available with single or dual units
- **Protection class:** IP54



## SPECIFICATIONS

**TYPE**

1BD-1B012A-1WK3D

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

**IDLE SPEED (1/min)**

3110

**FLOAT (mm)**

25

## FLOATING ADAPTER

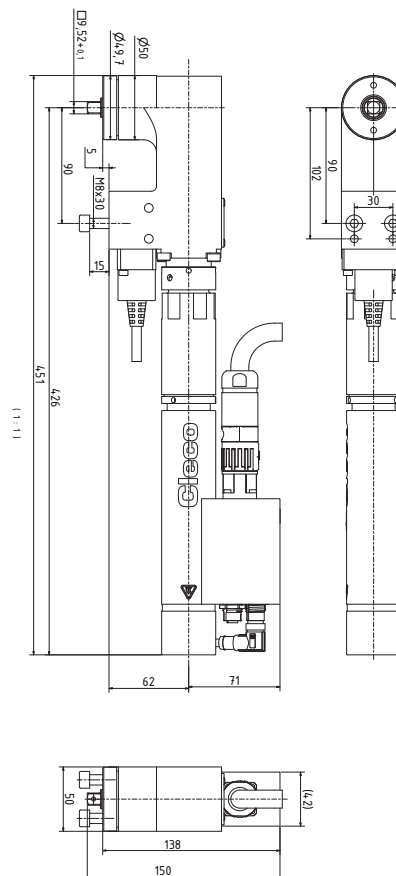
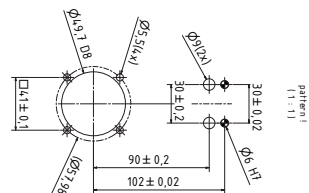
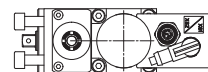
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## FLOATING ADAPTER WITH FLANGE HOUSING

929041

## WEIGHT & DIMENSIONS

Weight	4.4 kg / 9.70 lb
Length	427 mm / 16.81 in
Side to Center	52 mm / 2.05 in
Country of Origin:	Germany



MODEL: BD

SIZE :1

2-12 Nm TORQUE

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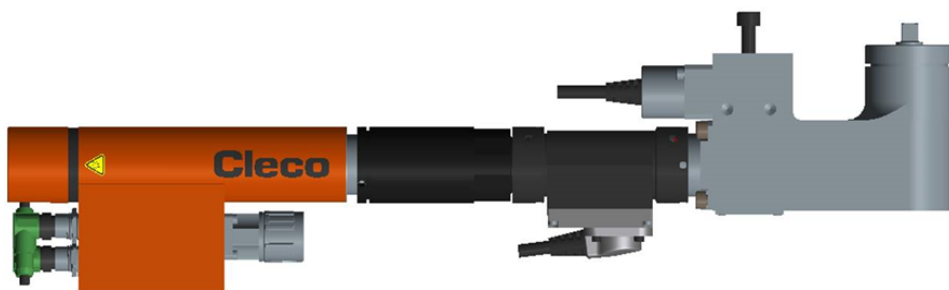
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## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BD-1B012A-1K3D-1WK3D

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3110

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 5.0 kg / 11.03 lb  
Length 507 mm / 19.96 in  
Side to Center 52 mm / 2.05 in  
Country of Origin: Germany



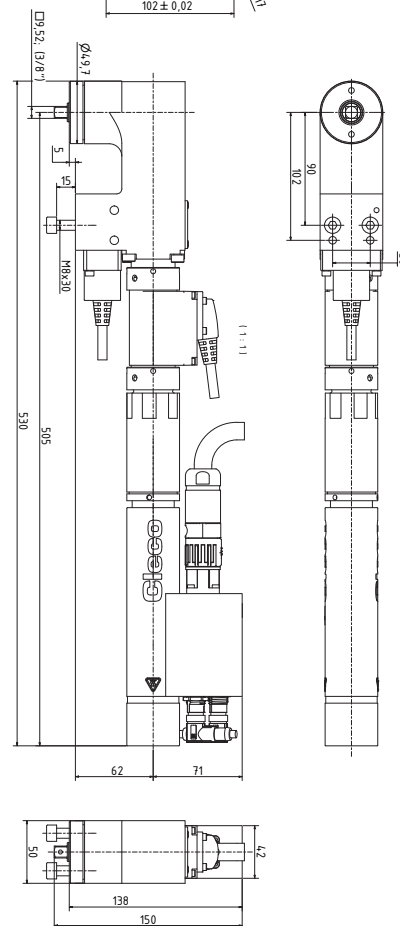
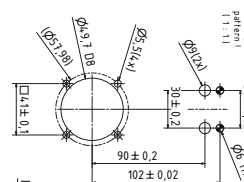
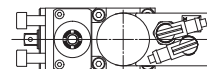
## 1BD12T2A-A

## ANGLE ATTACHMENT, TWIN TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE



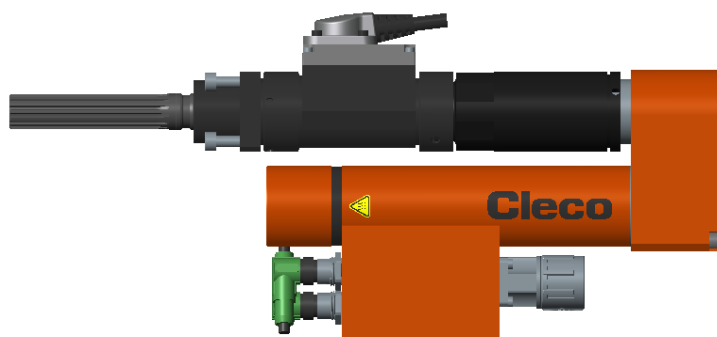
## Highly Productive Modular Assembly System

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## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BDU-1B012A-1K3D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3317

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 4.0 kg / 8.82 lb  
Length 251 mm / 9.88 in  
Side to Center 43 mm / 1.69 in  
Country of Origin: Germany



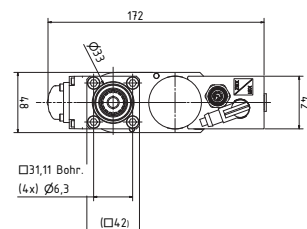
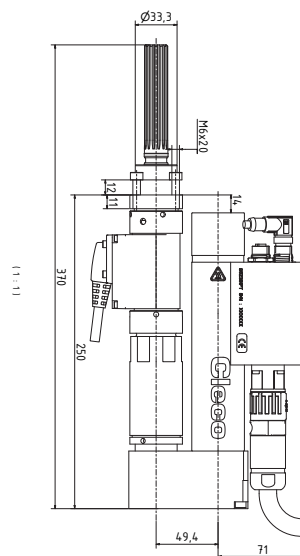
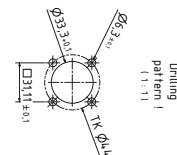
## 1BDU12T1S-A

**STRAIGHT DRIVE, REVERSIBLE GEARS, SINGLE TRANSDUCER**

MODEL: BD

SIZE :1

2-12 Nm TORQUE



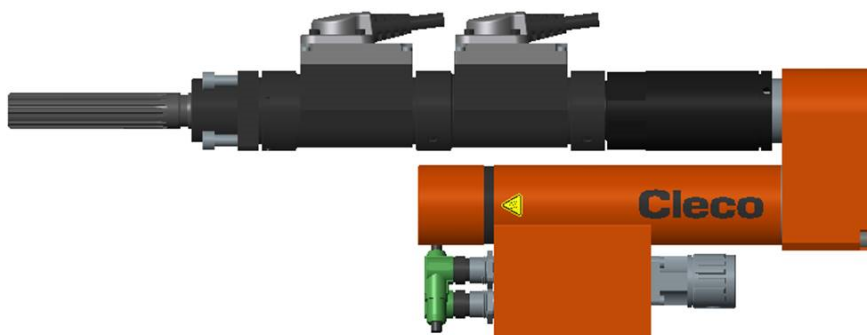
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## FEATURES

### Spindle Assembly

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- Motors: New high precision
- Transducer: New digital. Available with single or dual units
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- Redundant



## SPECIFICATIONS

### TYPE

1BDU-1B012A-2/1K3D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3317

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 4.6 kg / 10.14 lb  
Length 331 mm / 13.03 in  
Side to Center 43 mm / 1.69 in  
Country of Origin: Germany



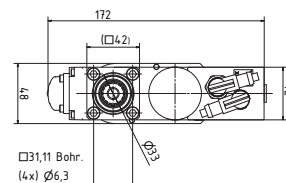
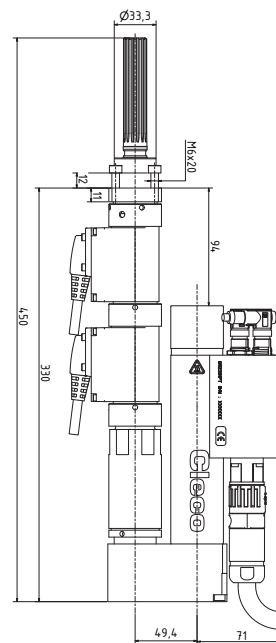
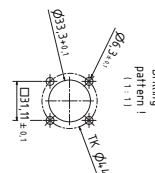
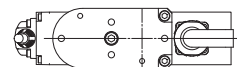
## 1BDU12T2S-A

STRAIGHT ATTACHMENT, REVERSIBLE GEARS,  
TWIN TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE



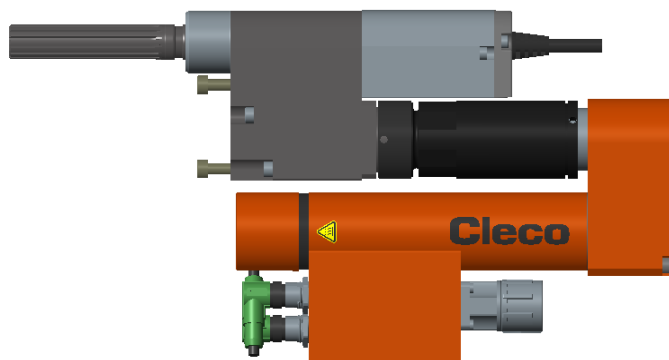
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- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BDU-1B012A-1VK3D

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3151

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 4.5 kg / 9.92 lb  
Length 239 mm / 9.41 in  
Side to Center 35 mm / 1.38 in  
Country of Origin: Germany

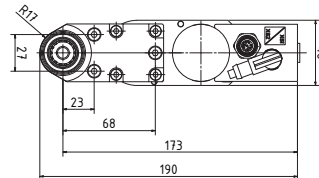
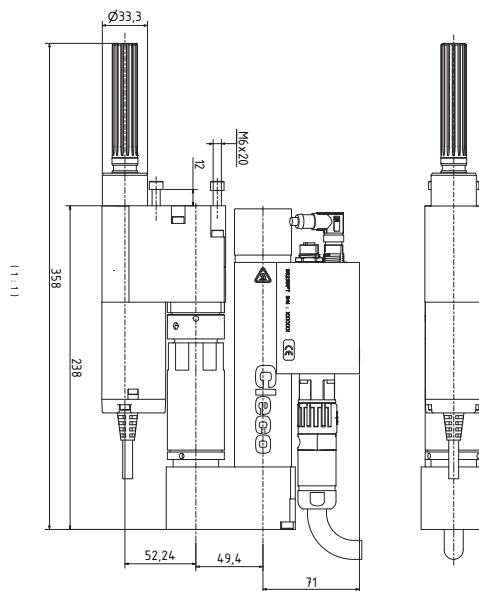
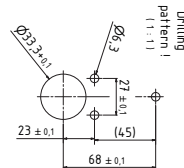
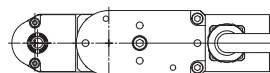
## 1BDU12T10-A

OFFSET DRIVE, REVERSIBLE GEARS,  
SINGLE TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE



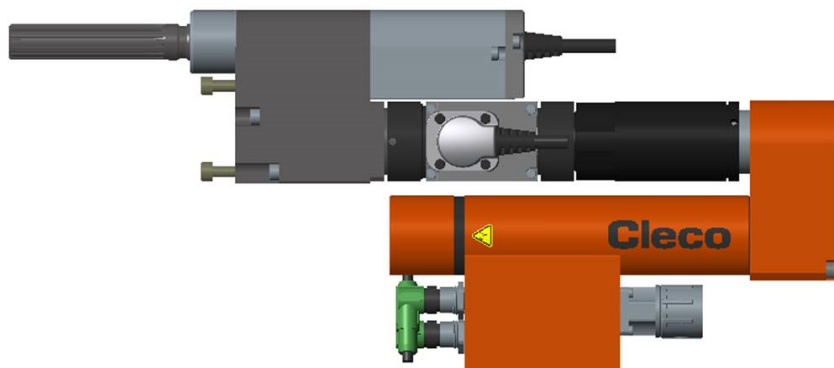
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- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BDU-1B012A-1K3D-1VK3D

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3151

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 5.1 kg / 11.25 lb  
Length 319 mm / 12.56 in  
Side to Center 35 mm / 1.38 in  
Country of Origin: Germany



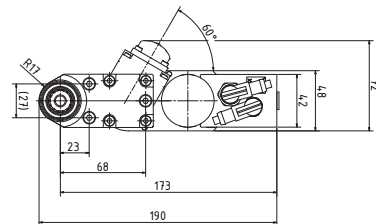
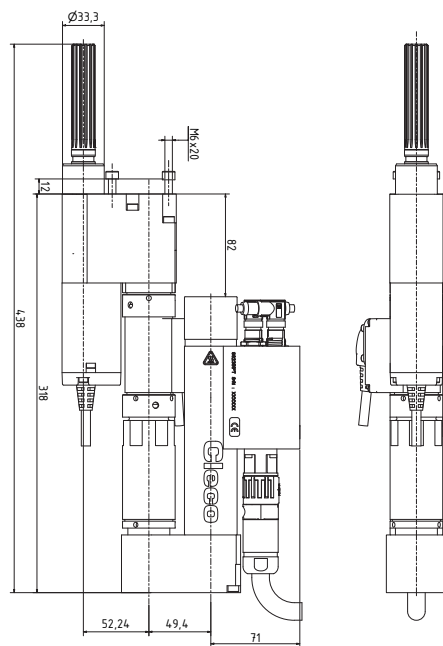
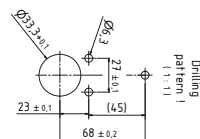
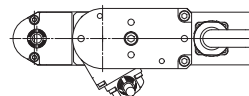
## 1BDU12T20-A

OFFSET ATTACHMENT, REVERSIBLE GEARS,  
TWIN TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE



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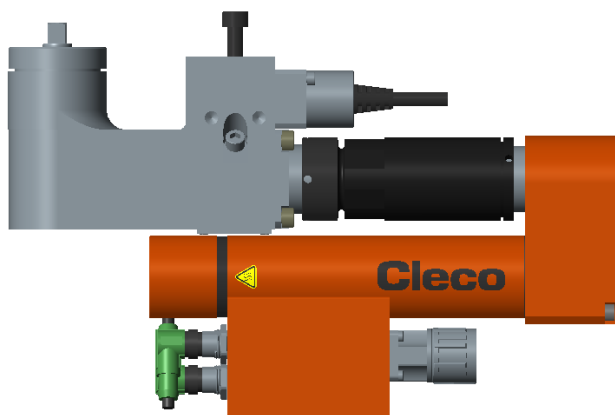
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### Spindle Assembly

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- Transducer: New digital. Available with single or dual units
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## SPECIFICATIONS

### TYPE

1BDU-1B012A-1WK3D

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3110

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 4.9 kg / 10.80 lb  
 Length 282 mm / 11.10 in  
 Side to Center 52 mm / 2.05 in  
 Country of Origin: Germany



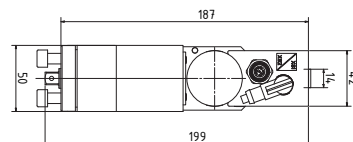
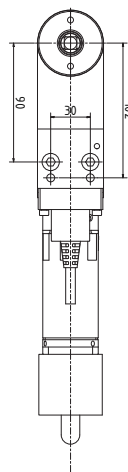
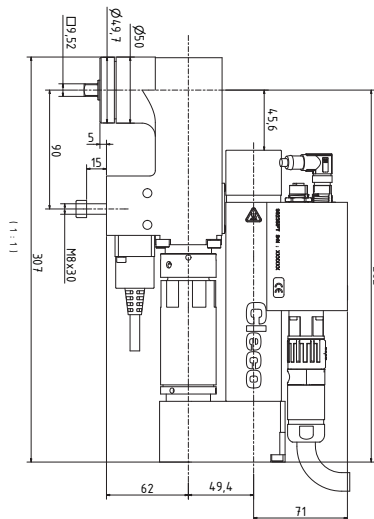
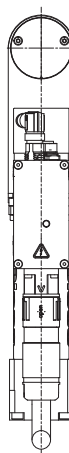
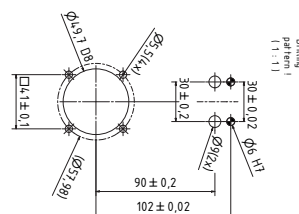
## 1BDU12T1A-A

ANGLE DRIVE, REVERSIBLE GEARS,  
SINGLE TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE



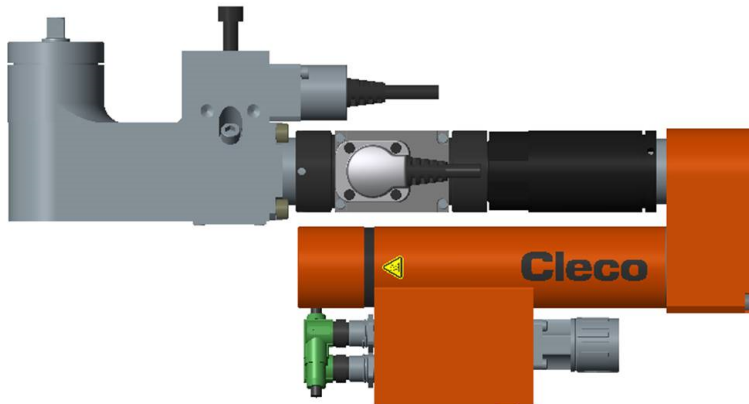
## Highly Productive Modular Assembly System

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## FEATURES

### Spindle Assembly

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- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BDU-1B012A-1K3D-1WK3D

### TORQUE RANGE (Nm)

Min / Max: 2 - 12

### IDLE SPEED (1/min)

3110

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 5.5 kg / 12.13 lb  
Length 362 mm / 14.25 in  
Side to Center 52 mm / 2.05 in  
Country of Origin: Germany



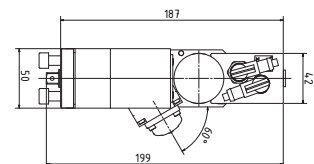
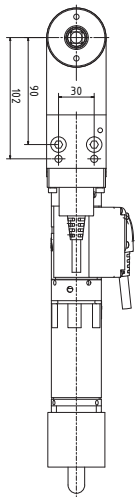
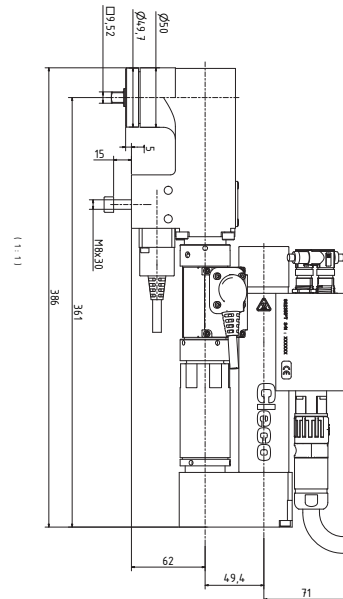
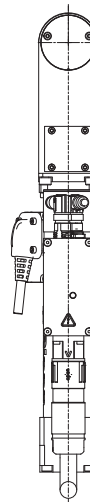
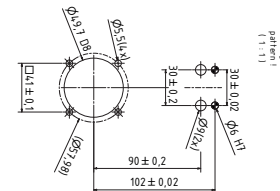
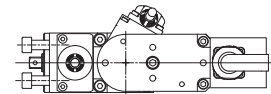
## 1BDU12T2A-A

ANGLE ATTACHMENT, REVERSIBLE GEARS,  
TWIN TRANSDUCER

MODEL: BD

SIZE :1

2-12 Nm TORQUE





## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BD-1B035A-1K1D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1255

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 3.5 kg / 7.72 lb  
 Length 396 mm / 15.59 in  
 Side to Center 43 mm / 1.69 in  
 Country of Origin: Germany



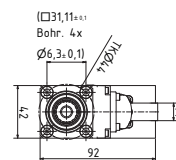
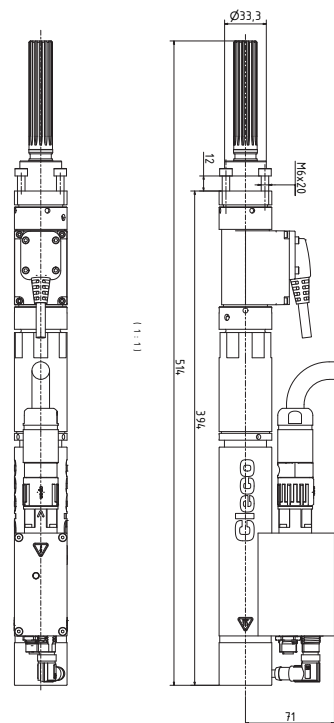
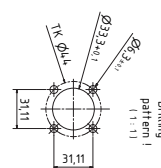
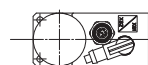
## 1BD35T1S-A

## STRAIGHT DRIVE SINGLE TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



## 1BD35T2S-A

### STRAIGHT ATTACHMENT, TWIN TRANSDUCER

### Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

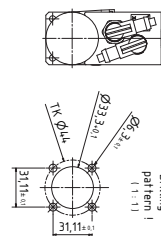
### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



## SPECIFICATIONS

### TYPE

1BD-1B035A-2/1K1D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1255

### FLOAT (mm)

50

### FLOATING ADAPTER

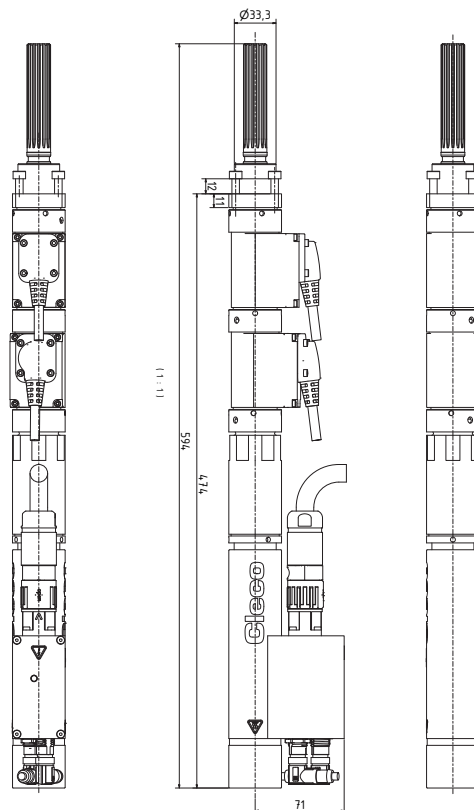
922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 4.1 kg / 9.04 lb  
Length 476 mm / 18.74 in  
Side to Center 43 mm / 1.69 in  
Country of Origin: Germany



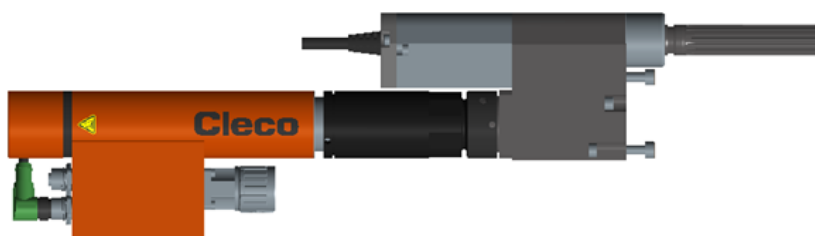
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BD-1B035A-1VK1D

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1192

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 4.0 kg / 8.82 lb  
 Length 384 mm / 15.12 in  
 Side to Center 35 mm / 1.38 in  
 Country of Origin: Germany



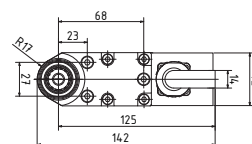
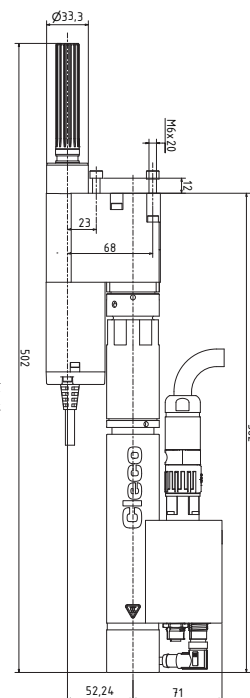
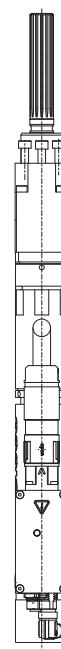
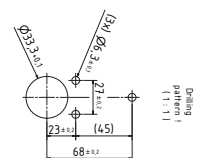
## 1BD35T10-A

## OFFSET DRIVE SINGLE TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



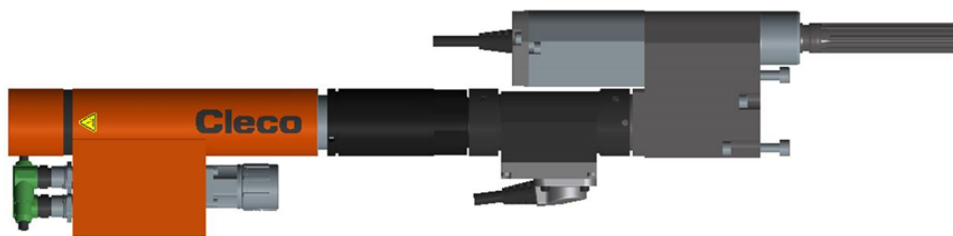
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BD-1B035A-1K1D-1VK1D

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1192

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 4.6 kg / 10.14 lb  
Length 464 mm / 18.27 in  
Side to Center 35 mm / 1.38 in  
Country of Origin: Germany



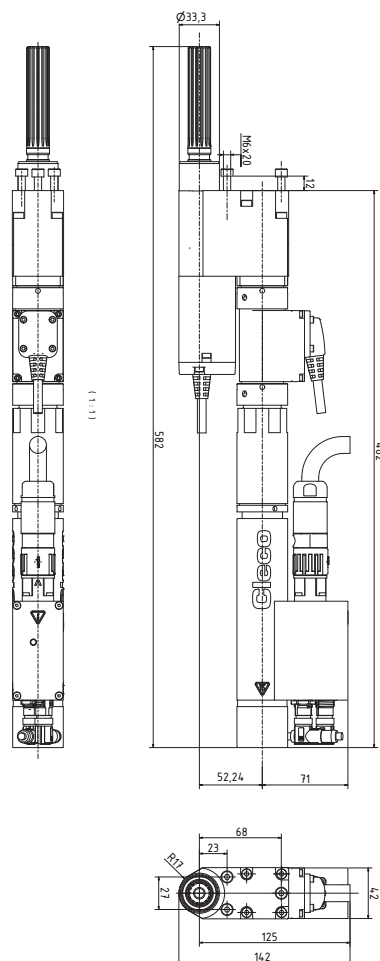
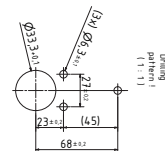
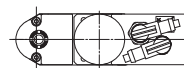
## 1BD35T20-A

## OFFSET ATTACHMENT, TWIN TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BD-1B035A-1WK1D

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1176

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 4.4 kg / 9.70 lb  
 Length 427 mm / 16.81 in  
 Side to Center 52 mm / 2.05 in  
 Country of Origin: Germany



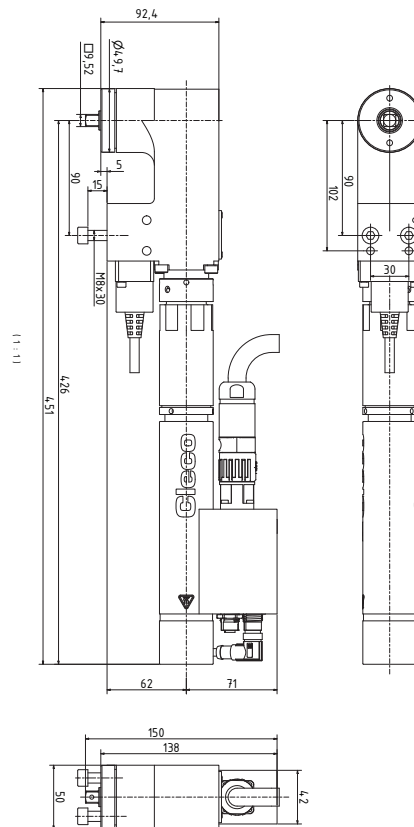
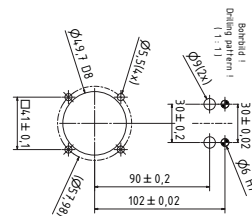
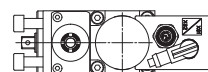
## 1BD35T1A-A

## ANGLE DRIVE SINGLE TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



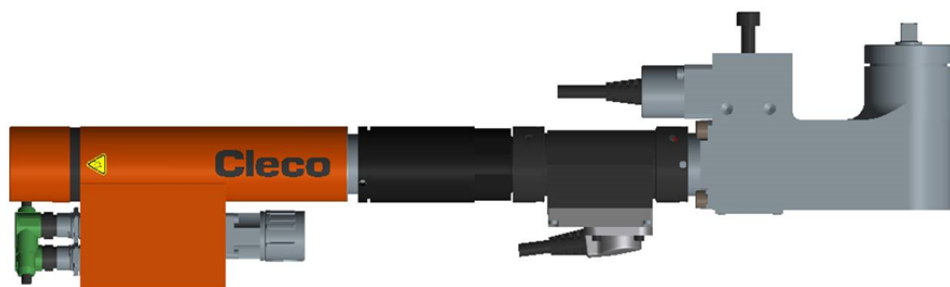
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BD-1B035A-1K1D-1WK1D

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1176

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 5.0 kg / 11.03 lb  
 Length 507 mm / 19.96 in  
 Side to Center 52 mm / 2.05 in  
 Country of Origin: Germany



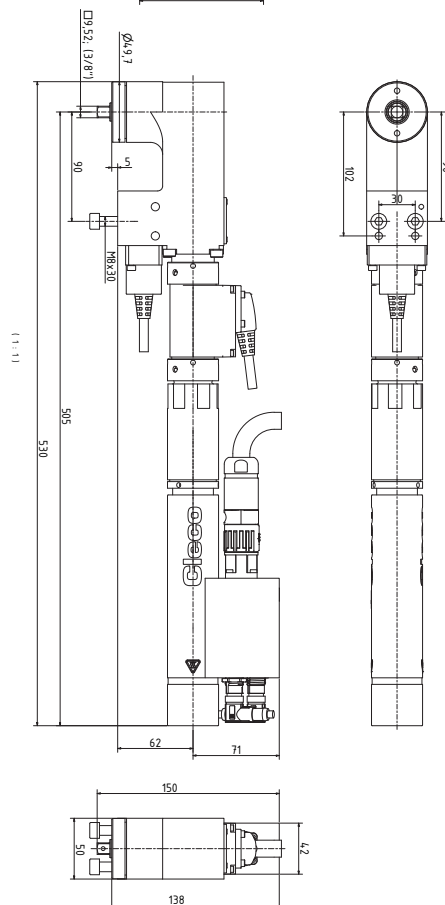
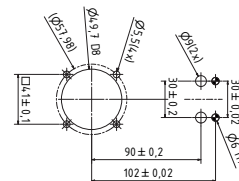
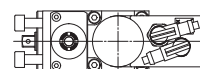
## 1BD35T2A-A

## ANGLE ATTACHMENT, TWIN TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



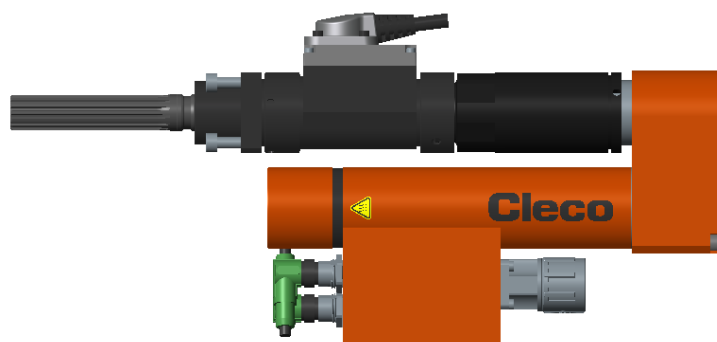
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BDU-1B035A-1K1D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1255

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 4.0 kg / 8.82 lb  
 Length 251 mm / 9.88 in  
 Side to Center 43 mm / 1.69 in  
 Country of Origin: Germany



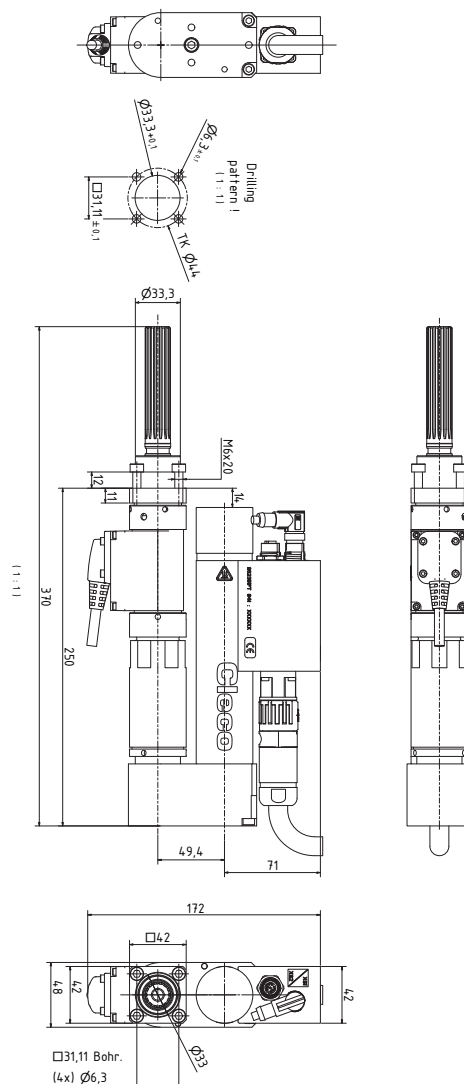
## 1BDU35T1S-A

### STRAIGHT DRIVE, REVERSIBLE GEARS, SINGLE TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



# Product Specifications

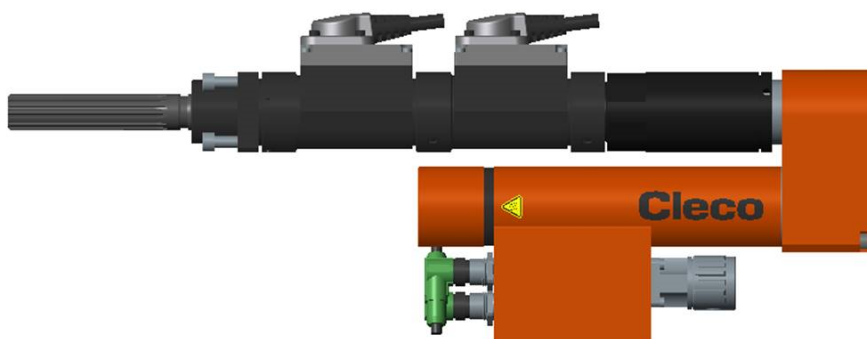
## Highly Productive Modular Assembly System

**System brings unmatched Reliability and Durability to your assembly line**

## FEATURES

## Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

## TYPE

1BDU-1B035A-2/1K1D-1ZB

**TORQUE RANGE (Nm)**

Min / Max: 3.5 - 35

**IDLE SPEED (1/min)**

1255

**FLOAT (mm)**

50

## FLOATING ADAPTER

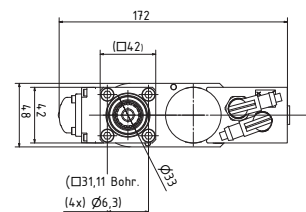
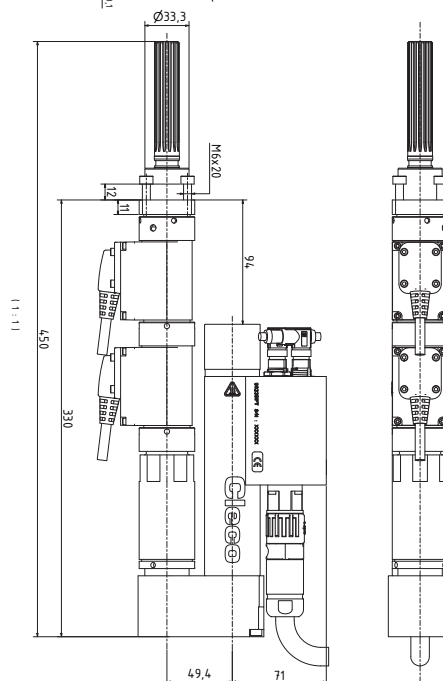
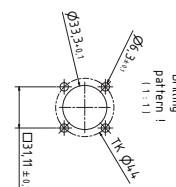
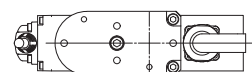
922325PT

## FLOATING ADAPTER WITH FLANGE HOUSING

S308434

## WEIGHT & DIMENSIONS

Weight	4.6 kg / 10.14 lb
Length	331 mm / 13.03 in
Side to Center	43 mm / 1.69 in
Country of Origin:	Germany



MODEL: BD

SIZE :1

### 3.5 - 35 Nm TORQUE



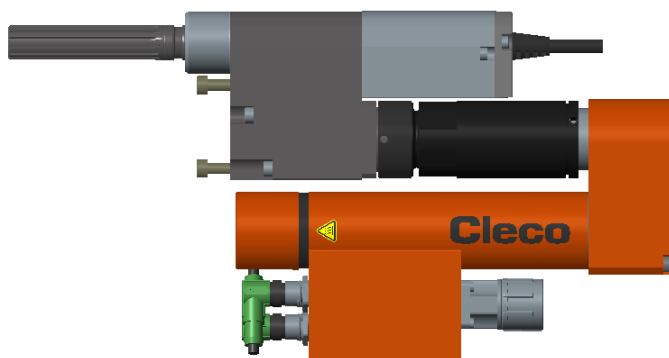
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BDU-1B035A-1VK1D

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1192

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 4.5 kg / 9.92 lb  
Length 239 mm / 9.41 in  
Side to Center 35 mm / 1.38 in  
Country of Origin: Germany



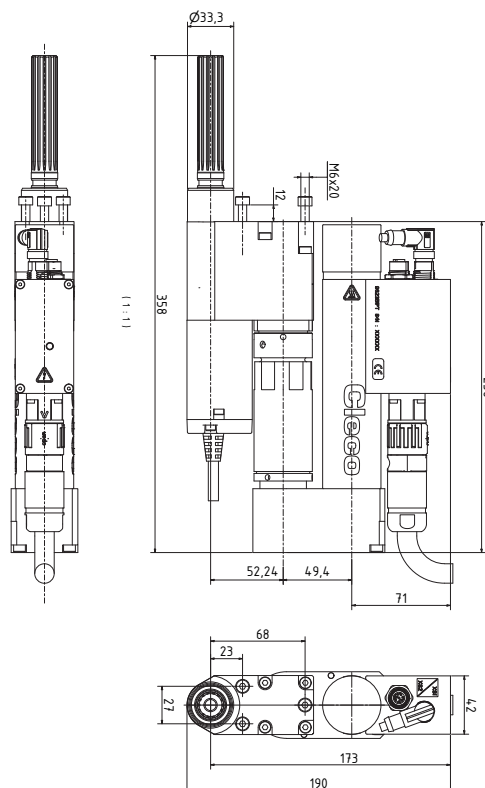
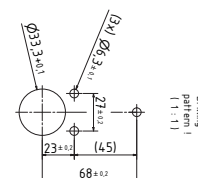
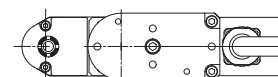
## 1BDU35T10-A

OFFSET DRIVE, REVERSIBLE GEARS,  
SINGLE TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



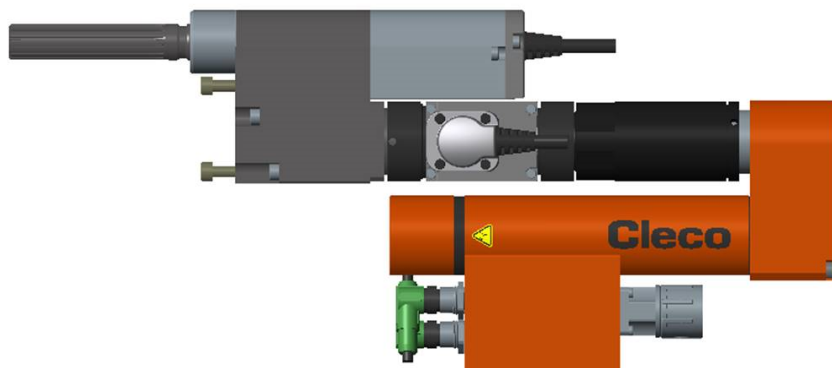
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BDU-1B035A-1K1D-1VK1D

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1192

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 5.1 kg / 11.25 lb  
 Length 319 mm / 12.56 in  
 Side to Center 35 mm / 1.38 in  
 Country of Origin: Germany



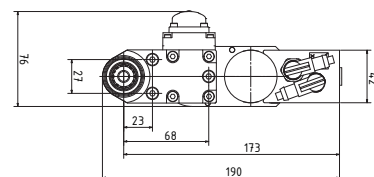
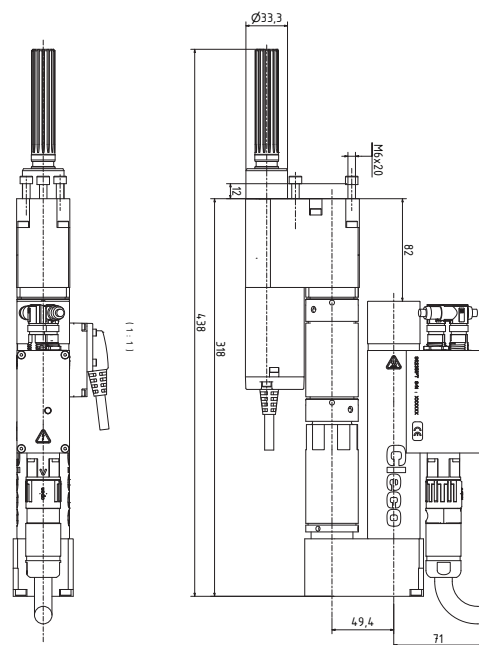
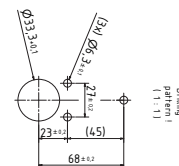
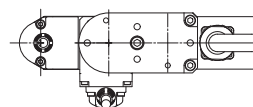
## 1BDU35T20-A

OFFSET ATTACHMENT, REVERSIBLE GEARS,  
TWIN TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



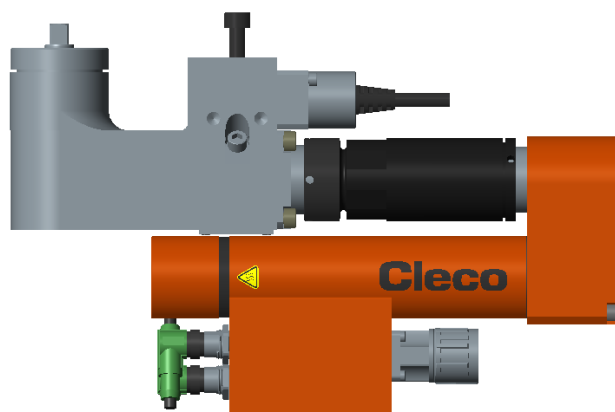
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BDU-1B035A-1WK1D

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1176

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 4.9 kg / 10.80 lb  
 Length 282 mm / 11.10 in  
 Side to Center 52 mm / 2.05 in  
 Country of Origin: Germany

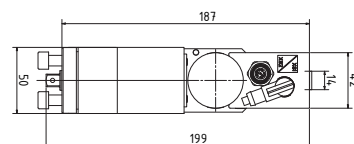
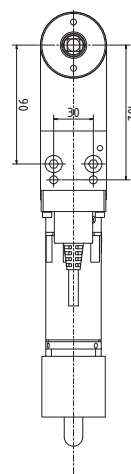
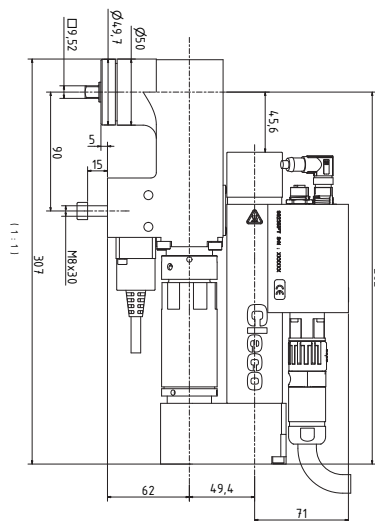
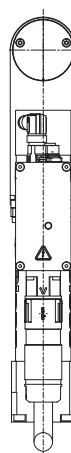
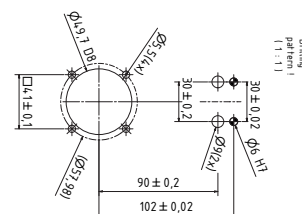
## 1BDU35T1A-A

ANGLE DRIVE, REVERSIBLE GEARS,  
SINGLE TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



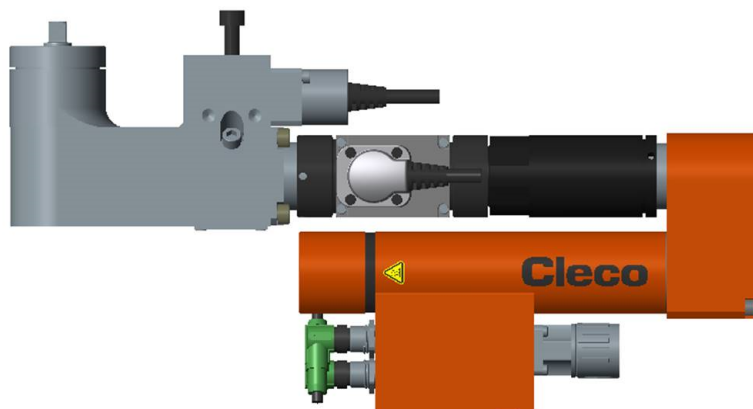
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BDU-1B035A-1K1D-1WK1D

### TORQUE RANGE (Nm)

Min / Max: 3.5 - 35

### IDLE SPEED (1/min)

1176

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 5.5 kg / 12.13 lb  
Length 362 mm / 14.25 in  
Side to Center 52 mm / 2.05 in  
Country of Origin: Germany



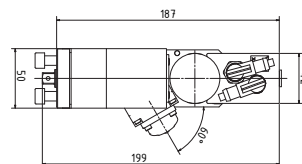
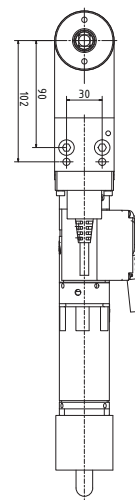
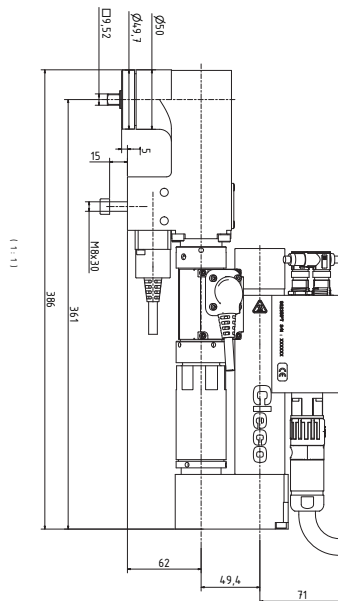
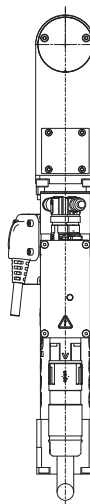
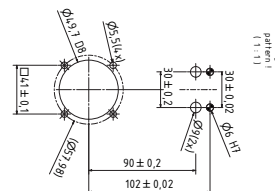
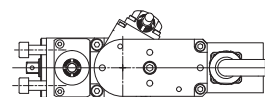
## 1BDU35T2A-A

ANGLE ATTACHMENT, REVERSIBLE GEARS, TWIN TRANSDUCER

MODEL: BD

SIZE :1

3.5 - 35 Nm TORQUE



## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BD-1B060A-1K2D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

737

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 3.5 kg / 7.72 lb  
 Length 396 mm / 15.59 in  
 Side to Center 43 mm / 1.69 in  
 Country of Origin: Germany



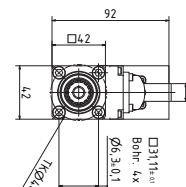
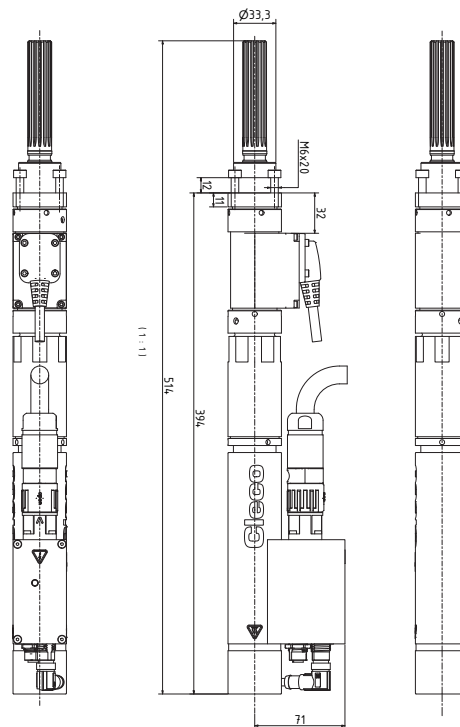
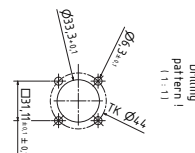
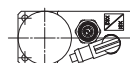
## 1BD53T1S-A

## STRAIGHT DRIVE SINGLE TRANSDUCER

MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE



Apex Tool Group, LLC

Phone: +1 (800) 845-5629

Phone: +1 (919) 387-0099

Phone: +49 (0)7363 81-0

www.ClecoTools.com / www.ClecoTools.de

## 1BD53T2S-A

### STRAIGHT ATTACHMENT, TWIN TRANSDUCER

### Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

MODEL: BD

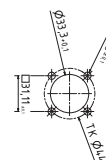
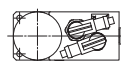
SIZE :1

5.3 - 53 Nm TORQUE

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



Drilling pattern 1

## SPECIFICATIONS

### TYPE

1BD-1B060A-2/1K2D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

737

### FLOAT (mm)

50

### FLOATING ADAPTER

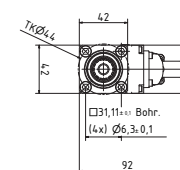
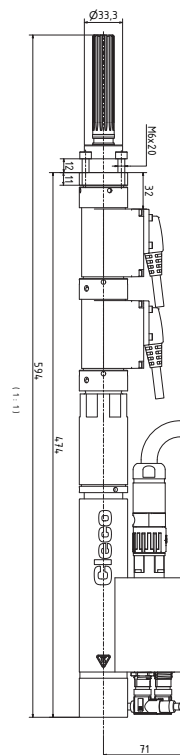
922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 4.1 kg / 9.04 lb  
Length 476 mm / 18.74 in  
Side to Center 43 mm / 1.69 in  
Country of Origin: Germany



## 1BD53T10-A

### OFFSET DRIVE SINGLE TRANSDUCER

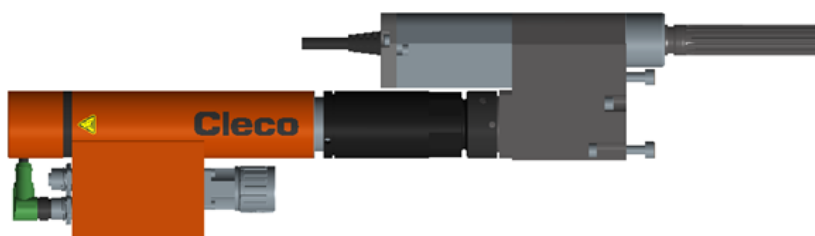
### Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

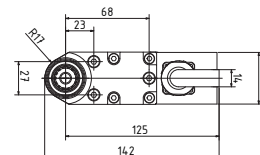
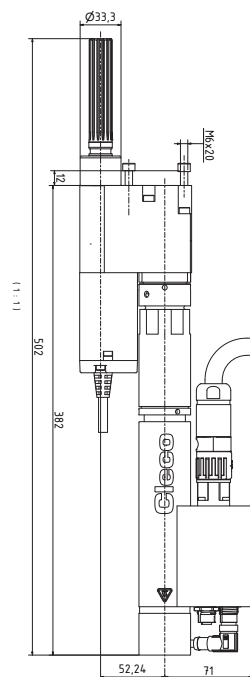
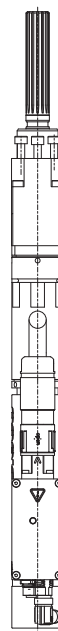
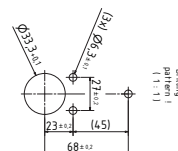
- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE



## SPECIFICATIONS

### TYPE

1BD-1B060A-1VK2D

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

700

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 4.0 kg / 8.82 lb  
Length 384 mm / 15.12 in  
Side to Center 35 mm / 1.38 in  
Country of Origin: Germany



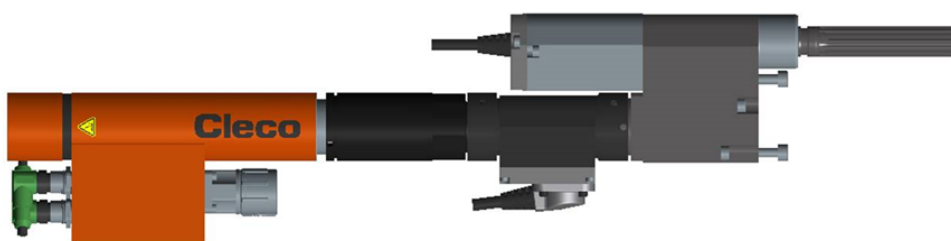
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BD-1B060A-1K2D-1VK2D

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

700

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 4.6 kg / 10.14 lb  
Length 464 mm / 18.27 in  
Side to Center 35 mm / 1.38 in  
Country of Origin: Germany



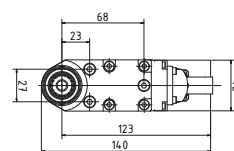
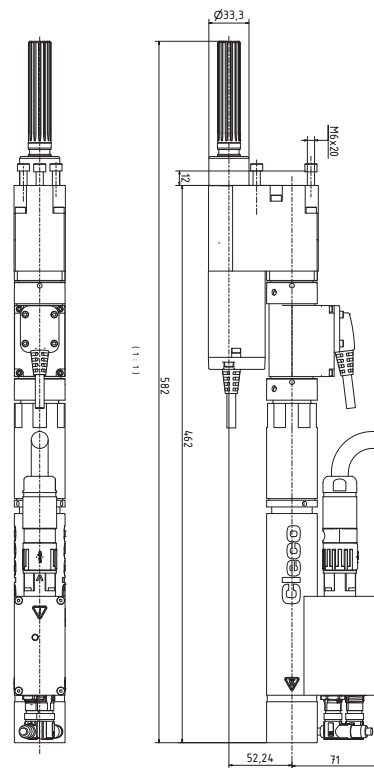
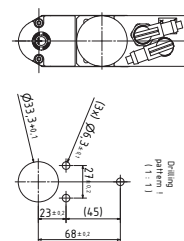
## 1BD53T20-A

## OFFSET ATTACHMENT, TWIN TRANSDUCER

MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE





## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BD-1B060A-1WK2D

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

691

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

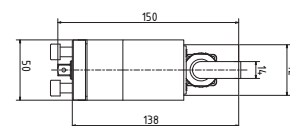
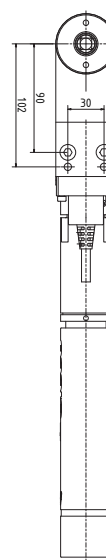
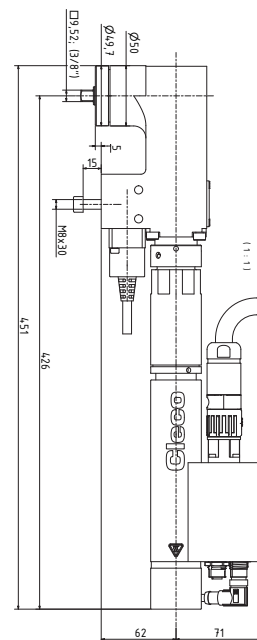
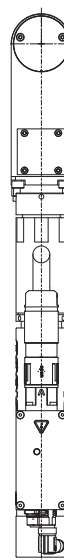
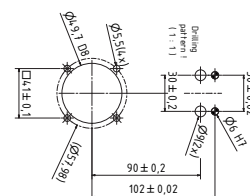
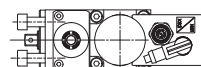
### WEIGHT & DIMENSIONS

Weight 4.4 kg / 9.70 lb  
 Length 427 mm / 16.81 in  
 Side to Center 52 mm / 2.05 in  
 Country of Origin: Germany

MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE



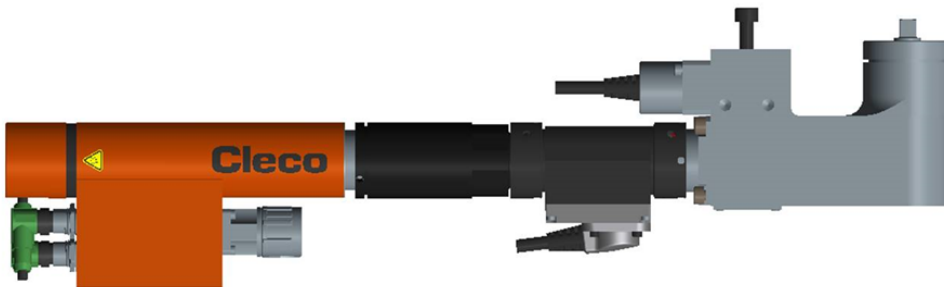
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BD-1B060A-1K2D-1WK2D

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

691

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 5.0 kg / 11.03 lb  
 Length 507 mm / 19.96 in  
 Side to Center 52 mm / 2.05 in  
 Country of Origin: Germany



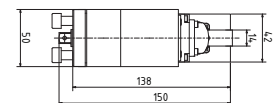
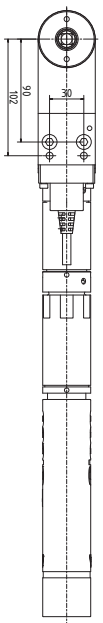
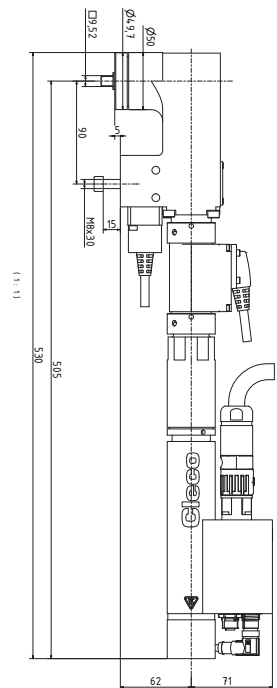
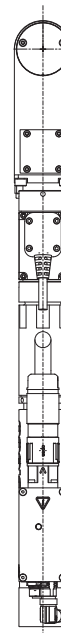
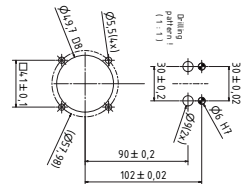
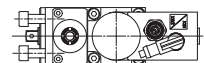
## 1BD53T2A-A

## ANGLE ATTACHMENT, TWIN TRANSDUCER

MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE



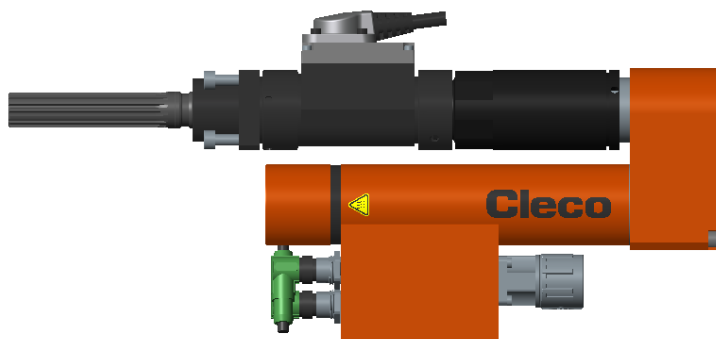
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BDU-1B060A-1K2D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

737

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 4.0 kg / 8.82 lb  
Length 251 mm / 9.88 in  
Side to Center 43 mm / 1.69 in  
Country of Origin: Germany



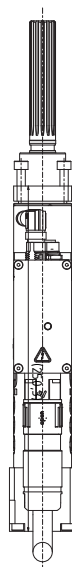
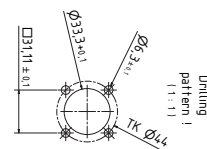
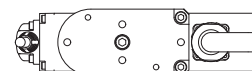
## 1BDU53T1S-A

**STRAIGHT DRIVE, REVERSIBLE GEARS,  
SINGLE TRANSDUCER**

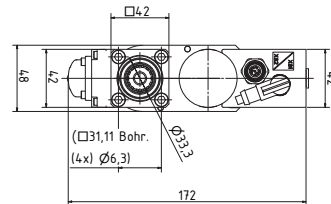
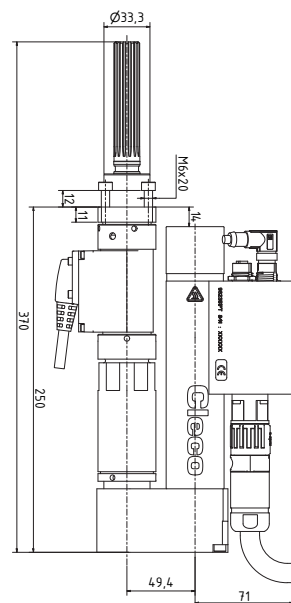
MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE



(1:1)



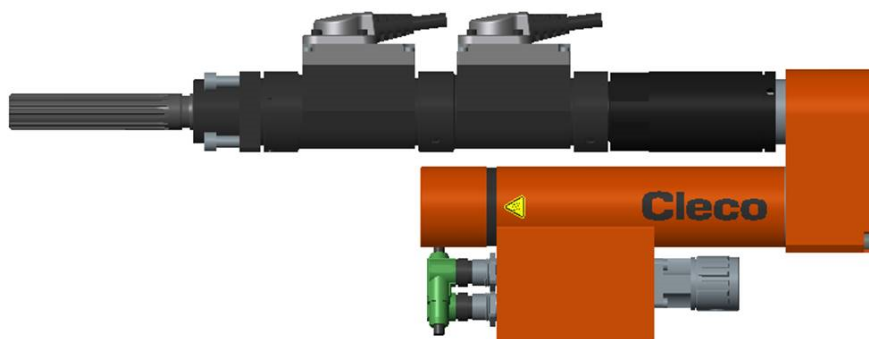
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BDU-1B060A-2/1K2D-1ZB

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

737

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308434

### WEIGHT & DIMENSIONS

Weight 4.6 kg / 10.14 lb  
 Length 331 mm / 13.03 in  
 Side to Center 43 mm / 1.69 in  
 Country of Origin: Germany



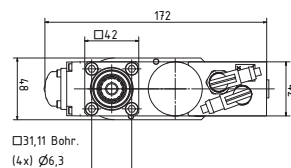
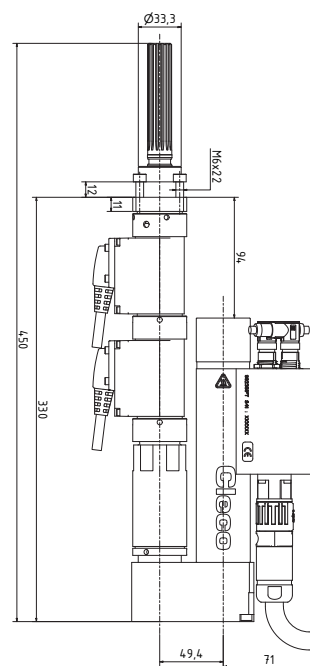
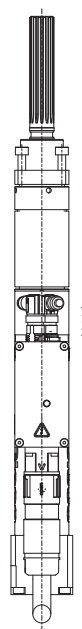
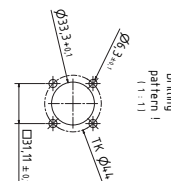
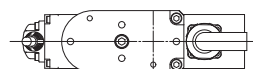
## 1BDU53T2S-A

## STRAIGHT ATTACHMENT, REVERSIBLE GEARS, TWIN TRANSDUCER

MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE



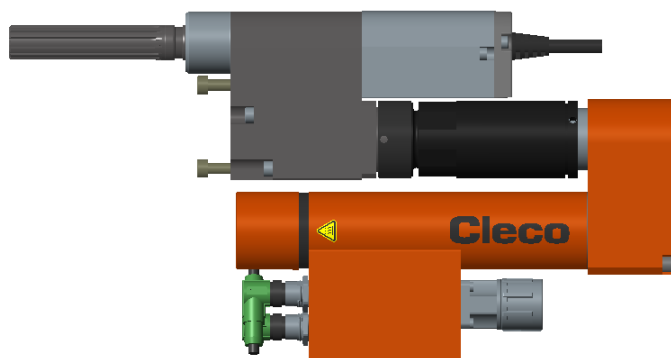
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BDU-1B060A-1VK2D

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

700

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 4.5 kg / 9.92 lb  
Length 239 mm / 9.41 in  
Side to Center 35 mm / 1.38 in  
Country of Origin: Germany



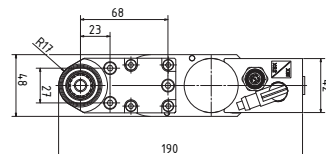
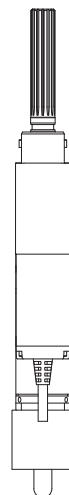
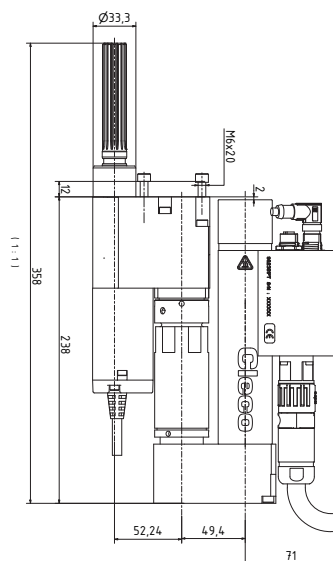
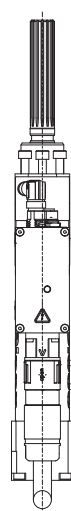
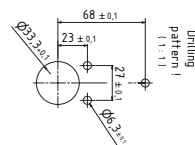
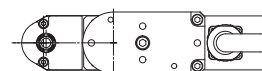
## 1BDU53T10-A

OFFSET DRIVE, REVERSIBLE GEARS,  
SINGLE TRANSDUCER

MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE



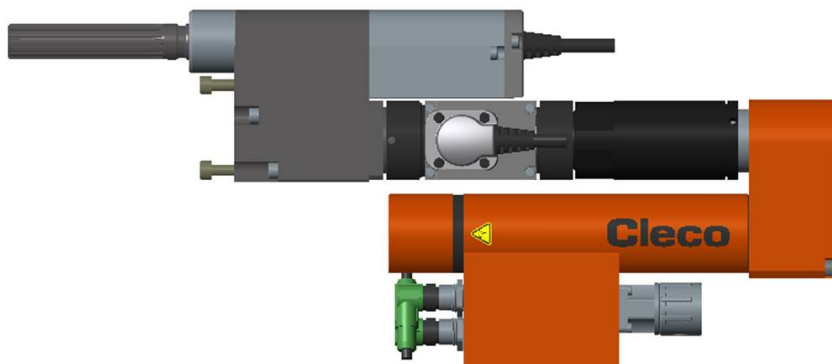
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BDU-1B060A-1K2D-1VK2D

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

700

### FLOAT (mm)

50

### FLOATING ADAPTER

922325PT

### FLOATING ADAPTER WITH FLANGE HOUSING

S308437

### WEIGHT & DIMENSIONS

Weight 5.1 kg / 11.25 lb  
Length 319 mm / 12.56 in  
Side to Center 35 mm / 1.38 in  
Country of Origin: Germany



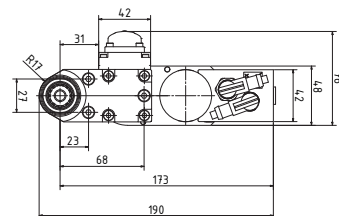
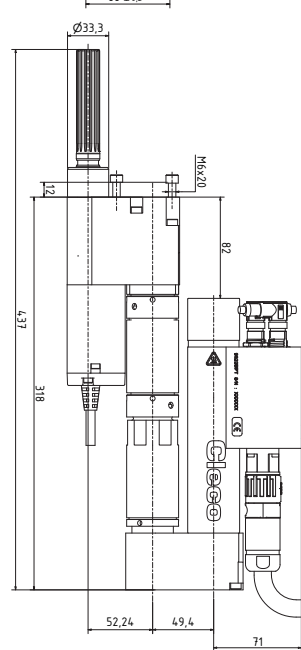
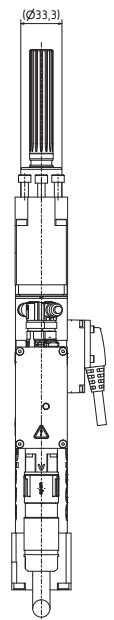
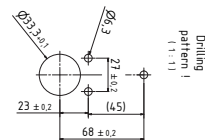
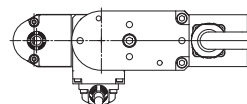
## 1BDU53T20-A

OFFSET ATTACHMENT, REVERSIBLE GEARS,  
TWIN TRANSDUCER

MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE



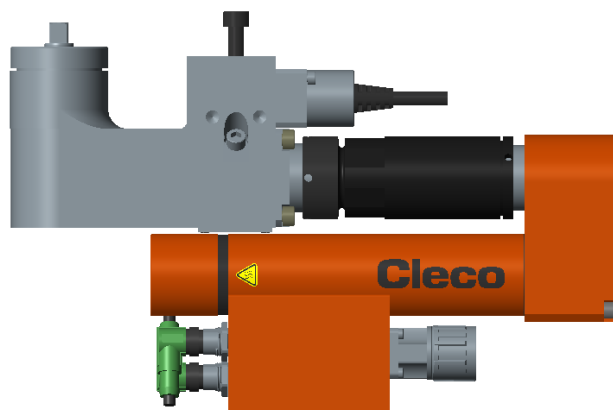
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54



## SPECIFICATIONS

### TYPE

1BDU-1B060A-1WK2D

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

691

### FLOAT (mm)

25

### FLOATING ADAPTER

--

### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 4.9 kg / 10.80 lb  
 Length 282 mm / 11.10 in  
 Side to Center 52 mm / 2.05 in  
 Country of Origin: Germany



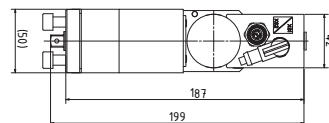
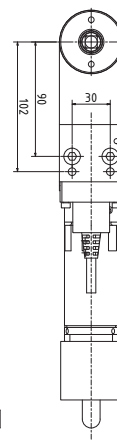
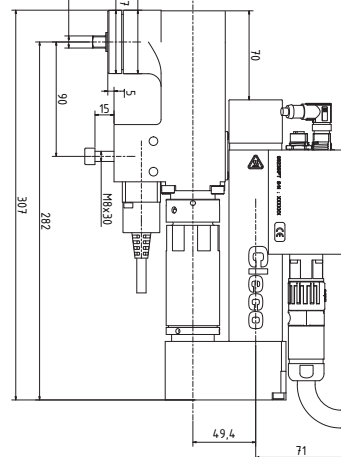
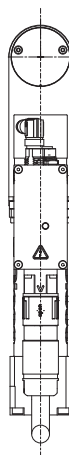
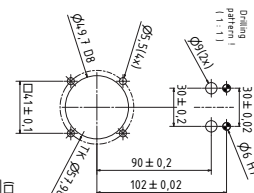
## 1BDU53T1A-A

ANGLE DRIVE, REVERSIBLE GEARS,  
SINGLE TRANSDUCER

MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE



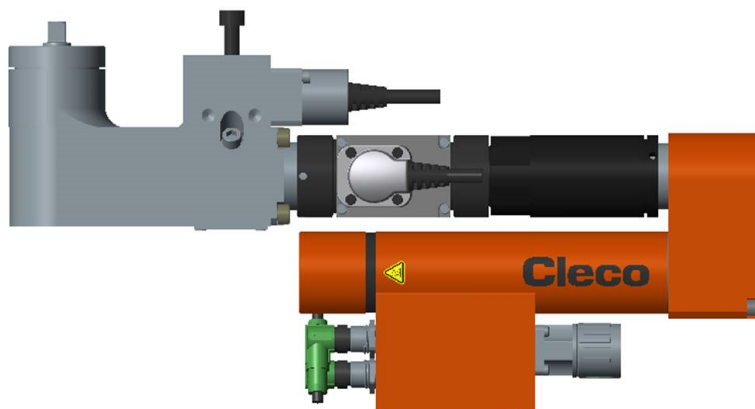
## Highly Productive Modular Assembly System

System brings unmatched Reliability and Durability to your assembly line

## FEATURES

### Spindle Assembly

- Drive attachments: Full complement of modular configurations
- Motors: New high precision
- Transducer: New digital. Available with single or dual units
- Protection class: IP54
- Redundant



## SPECIFICATIONS

### TYPE

1BDU-1B060A-1K2D-1WK2D

### TORQUE RANGE (Nm)

Min / Max: 5.3 - 53

### IDLE SPEED (1/min)

691

### FLOAT (mm)

25

### FLOATING ADAPTER

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### FLOATING ADAPTER WITH FLANGE HOUSING

929041

### WEIGHT & DIMENSIONS

Weight 5.5 kg / 12.13 lb  
 Length 362 mm / 14.25 in  
 Side to Center 52 mm / 2.05 in  
 Country of Origin: Germany



## 1BDU53T2A-A

ANGLE ATTACHMENT, REVERSIBLE GEARS,  
TWIN TRANSDUCER

MODEL: BD

SIZE :1

5.3 - 53 Nm TORQUE

