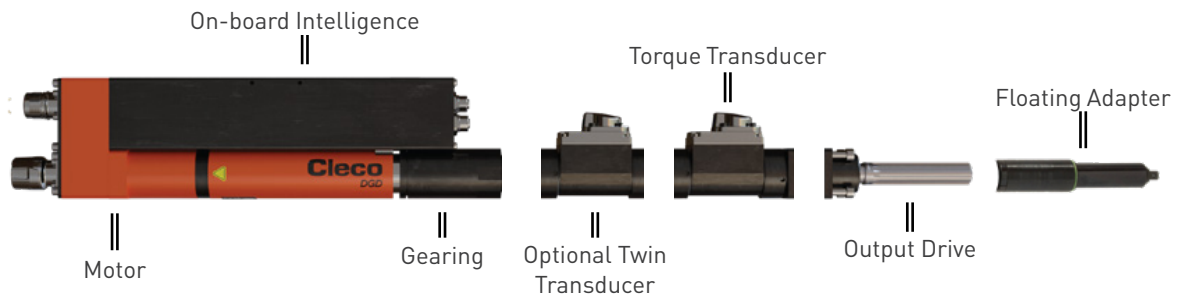


INTELLIGENT SPINDLE

STANDARD, SMART, AND MINI SPINDLES

- Built-in servo control and intelligent measurement (torque + angle)
- Patented daisy-chain cabling – quick and easy installation
- Wide range of torque transducers for various torque ranges (2–2800 Nm)
- Twin transducer option: high tightening accuracy and repeatability
- Also available in models with gearboxes
- Fastest startup and fault recovery on the market
- Energy-efficient and compact design – smaller footprint and longer service intervals



Item	Torque range (Nm)	Max. Speed (rpm)	Square Drive	Float (mm)	Min. Center to Center (mm)
Straight Drive					
1BID12T1S-A	2 - 12	3 317	3/8"	50	43
1BID35T1S-A	3,5 - 35	1 255	3/8"	50	43
1BID35T1S-A	5,3 - 53	737	3/8"	50	43
2BID110T1S-A	11 - 110	890	1/2"	50	56
2BID200T1S-A	20 - 200	501	3/4"	50	56
3BID300T1S-A	30 - 300	480	3/4"	50	81
4BID500T1S-A	50 - 500	269	3/4"	50	91
4BID600T1S-A	66 - 660	183	1"	50	91
4BID1250T1S-A	320 - 1 250	91	1"	50	121
4BID1600T1S-A	400 - 1 600	72	1 1/2"	50	121
4BID2800T1S-A	980 - 2 800	39	1 1/2"	-	160
Angle Drive					
1BID12T1A-A	2 - 12	3 110	3/8"	25	52
1BID35T1A-A	3,5 - 35	1 176	3/8"	25	52
1BID53T1A-A	5,3 - 53	691	3/8"	25	52
2BID110T1A-A	11 - 110	837	1/2"	25	59
2BID200T1A-A	20 - 200	472	3/4"	25	59
3BID300T1A-A	30 - 300	462	3/4"	25	81
4BID500T1A-A	50 - 500	259	1"	25	112
4BID660T1A-A	66 - 660	177	1"	25	112
Offset Drive					
1BID12T10-A	2 - 12	3 151	3/8"	50	35
1BID35T10-A	3,5 - 35	1 192	3/8"	50	35
1BID53T10-A	5,3 - 53	700	3/8"	50	35
2BID110T10-A	11 - 110	830	1/2"	50	44
2BID200T10-A	20 - 200	468	3/4"	50	44
3BID300T10-A	30 - 300	445	3/4"	50	59
4BID500T10-A	50 - 500	252	3/4"	50	76
4BID660T10-A	66 - 660	172	1"	50	76
4BID750T10-A	75 - 750	143	1"	50	76

PDMi -CONTROLLER

- TSNet system Bus
- 7" color display with touch function
- Rapid start-up <40 ms after reset of emergency stop
- IP 42
- TÜV certified STO (Safe torque off)
- AnyBus® fieldbus modules available
- PROFIsafe
- Energy Save

VAMi -CONTROLLER

- Module converts the mains voltage (3-phase) to a supply voltage (3-phase) of 3× 270 VAC for the PDMi.
- Energy save function (stand by mode). Power loss is reduced by approximately 10 watts per fixtured spindle in standby mode.
- Main switch, circuit breaker and status light on front.
- IP54
- CE

INTELLIGENT SPINDLE CABLES

I Durable cables for industrial applications

Item	Model	Length (m)
System cable		
962600-XXX	Type A (straight - straight)	0,5 - 40
962692-XXX	Type F (straight - 90°)	0,5 - 30
962603-XXX	Type E (90° - 90°)	0,5 - 4
962604-XXX	Type L (180° - straight)	0,5 - 5
962605-XXX	Type H (straight - 180°)	0,5 - 25
962606-XXX	Type G (180° - 180°)	0,5 - 5
Cables for system structure		
962620-XXX	Power Cable VAMi - PDMi	0,5 - 30
962621-XXX	Energy System Function Cable 24 V	0,3 - 25
962037-XXX	TSNet Cable	0,2 - 60
961924-XXX	Jumper STO Cable	0,2 - 60



ACCESSORIES

Item	Description
962582PT, 962581PT, 962690PT	Power Cable Housing with Ceiling Insert
962609PT	Termination Plug System Bus BTi
961893PT	Terminal Connector STO
962738PT	USB Port Blocker
944676PT	Cable Holder
SBW-BTSW300	Software Bundle USB
Available Upon Request	Fieldbus Modules

BTI SYSTEM ARCHITECTURE

