

# Specifications - SD35

## ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Magnetic screws – cost efficient automation
- True collaborative safety (PLd) – Fenceless
- Torque range - 0.2-3.3Nm
- Up to 8 screws pr. Minute
- Slim tool tip – reach narrow spaces (15 mm)
- Automatic bit changer
- Hand guided programming with teach pointer



Supports Pan/button head, cylinder & counter sunk screws

Screwdriver SD35	Min		Typical		Max	
	Torque range	0.2Nm	1.8 in-lbs	-	-	3.3 Nm
Torque Accuracy	±10 % <sup>1</sup>					
Speed range	15 rpm		-		730 rpm	
Screw diameter	M2	#2	-		M5	#10
Screw length with full safety	35 mm / 1.37 in					
Supported screw types	Magnetic – (Machine, self-cutting, self-forming)					
Electric interface	8-pole M12 (Signals), 4-pole M12 (Power)					
Digital interfaces	URCap (URSoftware ≥ 5.11), URScripts, OPC-UA 40451-1, , 24V Digital I/O					
Motor Power (continues)	70W					
Power (supplied by Spin Bridge)	42V DC @10A		48V DC @10A		54 V DC@10A	
Robot flange interface	ISO9409-1, type 50-4-M6					
IP Classification	IP53					
Temperatur range	0°C	32°F	-		50°C	122°F
Safety shield outer diameter	15 mm / 0.60 inch					
Dimensions	52 x 325 x 159 mm / 2.0 x 12.8 x 6.26 inch					
Weight	2.4 kg / 5.3 lb					
ESD safe	YES					

<sup>1</sup>. Value at initial factory calibration. Accuracy typically increases when calibrated in operating conditions, depending on joint materials.

## Future of Assembly



# Specifications - SD50

## ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Magnetic screws – cost efficient automation
- True collaborative safety (PLd) – Fenceless
- Torque range - 0.5-5 Nm
- Up to 8 screws pr. Minute
- Slim tool tip – reach narrow spaces (18 mm)
- Automatic bit changer
- Hand guided programming with teach pointer



Supports Pan/button head, cylinder & counter sunk screws

Screwdriver SD50	Min		Typical		Max	
	Torque range	0.5Nm	4.4 in-lbs	-		5 Nm
Torque Accuracy	±10 % <sup>1</sup>					
Speed range	15 rpm		-		510 rpm	
Screw diameter	M5	#10	-		M8	
Screw length with full safety	35 mm / 1.37 in					
Supported screw types	Magnetic – (Machine, self-cutting, self-forming)					
Electric interface	8-pole M12 (Signals), 4-pole M12 (Power)					
Digital interfaces	URCap (URSoftware ≥ 5.11), URScripts, OPC-UA 40451-1, 24V Digital I/O					
Motor Power (continues)	70W					
Power (supplied by Spin Bridge)	42V DC @10A		48V DC @10A		54 V DC@10A	
Robot flange interface	ISO9409-1, type 50-4-M6					
IP Classification	IP53					
Temperatur range	0°C	32°F	-		50°C	122°F
Safety shield outer diameter	15 mm / 0.60 inch					
Dimensions	52 x 325 x 159 mm / 2.0 x 12.8 x 6.26 inch					
Weight	2.4 kg / 5.3 lb					
ESD safe	YES					

<sup>1</sup>. Value at initial factory calibration. Accuracy typically increases when calibrated in operating conditions, depending on joint materials.

## Future of Assembly



# Specifications - SD70

## ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Magnetic screws – cost efficient automation
- True collaborative safety (PLd) – Fenceless
- Torque range - 0.8-7.0Nm
- Up to 8 screws pr. Minute
- Slim tool tip – reach narrow spaces (15 mm)
- Automatic bit changer
- Hand guided programming with teach pointer



Supports Pan/button head, cylinder & counter sunk screws

Screwdriver SD70	Min		Typical		Max	
	Torque range	0.8Nm	7 in-lbs	-		7.0 Nm
Torque Accuracy	±10 % <sup>1</sup>					
Speed range	15 rpm		-		350 rpm	
Screw diameter	M3	#5	-		M6	#14
Screw length with full safety	35 mm / 1.37 in					
Supported screw types	Magnetic – (Machine, self-cutting, self-forming)					
Electric interface	8-pole M12 (Signals), 4-pole M12 (Power)					
Digital interfaces	URCap (URSoftware ≥ 5.11), URScripts, OPC-UA 40451-1, 24V Digital I/O					
Motor Power (continues)	70W					
Power (supplied by Spin Bridge)	42V DC @10A		48V DC @10A		54 V DC@10A	
Robot flange interface	ISO9409-1, type 50-4-M6					
IP Classification	IP53					
Temperatur range	0°C	32°F	-		50°C	122°F
Safety shield outer diameter	15 mm / 0.60 inch					
Dimensions	52 x 325 x 159 mm / 2.0 x 12.8 x 6.26 inch					
Weight	2.4 kg / 5.3 lb					
ESD safe	YES					

<sup>1</sup>. Value at initial factory calibration. Accuracy typically increases when calibrated in operating conditions, depending on joint materials.

## Future of Assembly



# Specifications - SD120

## ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Magnetic screws – cost efficient automation
- True collaborative safety (PLd) – Fenceless
- Torque range - 2.0-12Nm
- Up to 8 screws pr. Minute
- Slim tool tip – reach narrow spaces (18 mm)
- Automatic bit changer
- Hand guided programming with teach pointer



Supports Pan/button head, cylinder & counter sunk screws

Screwdriver SD120	Min		Typical		Max	
	Torque range	2.0Nm	17.7 in-lbs	-		12 Nm
Torque Accuracy	±10 % <sup>1</sup>					
Speed range	15 rp		-		180 rpm	
Screw diameter	M5	#10	-		M8	
Screw length with full safety	35 mm / 1.37 in					
Supported screw types	Magnetic – (Machine, self-cutting, self-forming)					
Electric interface	8-pole M12 (Signals), 4-pole M12 (Power)					
Digital interfaces	URCap (URSoftware ≥ 5.11), URScripts, OPC-UA 40451-1, 24V Digital I/O					
Motor Power (continues)	70W					
Power (supplied by Spin Bridge)	42V DC @10A		48V DC @10A		54 V DC@10A	
Robot flange interface	ISO9409-1, type 50-4-M6					
IP Classification	IP53					
Temperatur range	0°C	32°F	-		50°C	122°F
Safety shield outer diameter	15 mm / 0.60 inch					
Dimensions	52 x 325 x 159 mm / 2.0 x 12.8 x 6.26 inch					
Weight	2.4 kg / 5.3 lb					
ESD safe	YES					

<sup>1</sup>. Value at initial factory calibration. Accuracy typically increases when calibrated in operating conditions, depending on joint materials.

## Future of Assembly

