

Specifications - SDV35

ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Compatible with all screws – Vacuum technology
- True collaborative safety (PLd) – Fenceless
- Torque range - 0.2-3.3Nm
- 6 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 SDV35	<u>Min</u>		<u>Typical</u>	<u>Max</u>	
Torque range	0.2Nm	1.8 in-lbs	-	3.3 Nm	29 in-lbs
Torque Accuracy	±10 % ¹				
Speed range	15 rpm		-	750 rpm	
Screw diameter	M2	#2	-	M5	#10
Screw length with full safety	35 mm / 1.37 in				
Supported screw types	All – (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 (<i>supplied by Spin Bridge</i>)	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				

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

Future of Assembly

Specifications - SDV70

ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Compatible with all screws – Vacuum technology
- True collaborative safety (PLd) – Fenceless
- Torque range - 0.2-7.0Nm
- 6 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 SDV70	<u>Min</u>		<u>Typical</u>	<u>Max</u>	
Torque range	0.2Nm	1.8 in-lbs	-	7.0 Nm	62 in-lbs
Torque Accuracy	±10 % ¹				
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	All – (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 (<i>supplied by Spin Bridge</i>)	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				

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

Future of Assembly

Specifications - SDV120

ALL-IN-ONE COLLABORATIVE SCREWDRIVER TOOL

- Compatible with all screws – Vacuum technology
- True collaborative safety (PLd) – Fenceless
- Torque range - 2.0-12Nm
- 6 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 SDV120	<u>Min</u>		<u>Typical</u>	<u>Max</u>	
Torque range	2.0Nm	17.7 in-lbs	-	12 Nm	106 in-lbs
Torque Accuracy	±10 % ¹				
Speed range	15 rpm		-	180 rpm	
Screw diameter	M5	#10	-	M8	
Screw length with full safety	35 mm / 1.37 in				
Supported screw types	All – (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 (<i>supplied by Spin Bridge</i>)	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				

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

Future of Assembly

Specifications - Compressed Air

HIGH PRESSURE AIR SUPPLY

Specifications air supply	<u>Min</u>	<u>Typical</u>	<u>Max</u>
Air supply connector type	6 mm (1/4 in) OD Tube		
Air supply thread	5mm metric (M5)		
Feed pressure at the tool	5.5 bar (80 psi)	-	7 bar (100 psi)
Optimal feed pressure	6 bar (87 psi)		
Air consumption at optimal pressure	21 L/min (5,5 gpm)		
Media (compressed air)	ISO 8573-1 class 3.4.3 (dry and filtered air that complies with standard ISO 8573-1 class 3.4.3)		

Future of Assembly