



# KOLVER

## BRUSHLESS SERIES TORQUE 0,05 - 4,5 NM

BRL series electric screwdrivers feature state-of-the-art brushless motors and clutchless torque control, the perfect solution for clean room applications thanks to zero emissions of coal dust and other pollutants into the working environment. Extremely small and lightweight for utmost operator comfort and with advanced ergonomic design, they ensure very low noise level, minimum vibrations, maximum safety (low supply voltage), lasting performance as well as maintenance free operation.

BRL screwdrivers are available either with current control system (AS series) or with mechanical clutch (FR series). In both cases the electronic controller (EDU..BR series) will cut the power supply to the motor as soon as the pre set torque has been reached.

BRL are available in an inline body style with lever start or pistol grip option (on request also available with the cord coming out from the top - U option).

BRL models with a wide range of torque and speed to cover many different assembly requirements.

All BRL drivers come standard with an ESD-safe body, 2.5 m connection cable and suspension bail. The heavy duty cables and connectors, developed for robotic applications, are made of antistatic dissipative material for a safe use in EPA environment.

The absence of maintenance operations guarantees high productive continuity.



EDU1BR/SG  
CONTROL UNIT



TORQUE  
ADJUSTMENT



AUTOMATION  
MODEL



8 PIN CABLE

Code	Model	Torque Nm	RPM max	Weight kg	L x Ø mm	Controller	
160007	BRL07AS	0,1÷0,7	1000	0,35	205x33	EDU1BR	EDU1BR/SG
160010	BRL10AS	0,1÷1,0	650	0,35	205x33	EDU1BR	EDU1BR/SG
160016	BRL16AS	0,1÷1,6	450	0,35	205x33	EDU1BR	EDU1BR/SG
181027	BRL27AS	0,3÷2,7	1200	0,55	230x40	EDU2BR	EDU2BR/SG
181635	BRL35AS	0,5÷3,5	800	0,55	230x40	EDU2BR	EDU2BR/SG
181945	BRL45AS	0,5÷4,5	540	0,55	230x40	EDU2BR	EDU2BR/SG
160007/FR	BRL07FR	0,05÷1,0	1000	0,50	226x36	EDU1BR	EDU1BR/SG
160010/FR	BRL10FR	0,05÷1,2	650	0,50	226x36	EDU1BR	EDU1BR/SG
180027	BRL27FR	0,3÷2,7	1200	0,70	247x40	EDU2BR	EDU2BR/SG
180635	BRL35FR	0,5÷3,5	800	0,70	247x40	EDU2BR	EDU2BR/SG

BRUSHLESS SERIES



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## CONTROL UNITS BRL SERIES



All Kolver screwdrivers work in combination with a control unit acting as an AC to DC transformer and torque controller. The electronic control circuit cuts the power supply to the motor as soon as the pre-set torque has been reached.

The EDU1BR and EDU2BR control units for BRL screwdrivers feature a maintenance free state-of-the-art electronics with no wearing components. They come standard with the torque knob to adjust the torque of current control tools and the selection of two ranges of torque through a switch in the front panel: L (from 0 to 30% of the torque range) and H (from 20 to 100%).

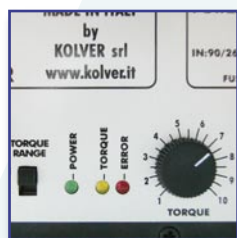
The EDU1BR/SG and EDU2BR/SG controllers additionally feature slow start (0-2 sec), adjustable speed (60% to 100%) and visual indicators (green-yellow-red) for power on/off, torque reached or not reached.

Additional features : output 24V for torque reached and lever signals; input start and reverse contacts.

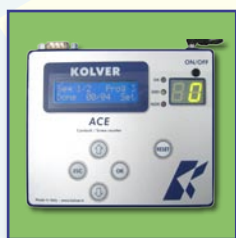
All EDU...BR controllers can drive either current control tools and clutch tools.

In particular:

- EDU1BR & EDU1BR/SG are intended for use with BRL07, 10 & 16 AS and BRL07, 10 FR.
- EDU2BR & EDU2BR/SG are intended for use with BRL27, 35 & 45 both AS and FR.



TORQUE ADJUSTMENT



ACE SREW COUNTER



BACK CONNECTOR



TLS POSITIONING ARM

Code	Model	Features	Dimensions mm	Weight kg	Screwdriver
001000	EDU1BR	IN: 90-260 Vca OUT: 36 VDC - 120VA - adjustable torque	135x180x65	0,95	BRL07, 10 & 16
001000/SG	EDU1BR/SG	slow start and adjustable speed, INPUT: start and reverse contacts, external stop and L/H torque switch OUTPUT: torque reached & lever & error signals	135x180x65	0,95	BRL07, 10 & 16
002000	EDU2BR	IN: 90-260 Vca OUT: 36 VDC - 120VA - adjustable torque	135x180x65	0,95	BRL27, 35 & 45
002000/SG	EDU2BR/SG	slow start and adjustable speed, INPUT: start and reverse contacts, external stop and L/H torque switch OUTPUT: torque reached & lever & error signals	135x180x65	0,95	BRL27, 35 & 45