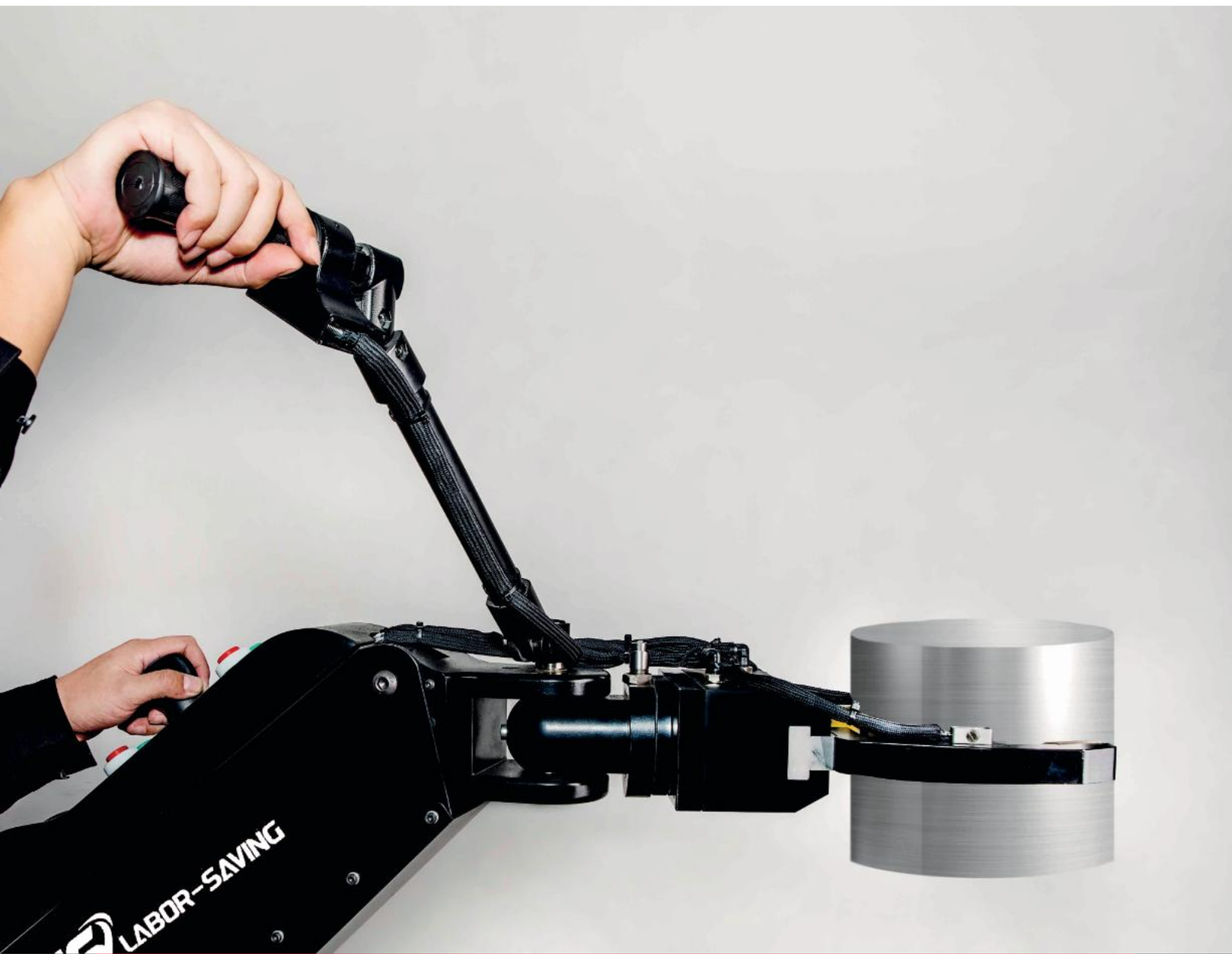
LS SERIES

PNEUMATIC BALANCING ARMS

TOOL SUPPORT / HANDLING / POSITIONING



LS40	40 kg	LS60	60 kg	LS80	80 kg
TOOL SUPPORT		WORKPIECE HANDLING		END-EFFECTOR MODULES	

LS40

HEAVY-DUTY TOOL SUPPORT

Tool support for fastening, grinding, drilling, riveting and breaking.

WORKING RADIUS
1800 mm

VERTICAL STROKE
860 mm

LOAD CAPACITY
40 kg

ARM WEIGHT
55 kg



SERIES APPEARANCE

OPERATING DATA

Air pressure 0.6–0.8 MPa
Main ±180° / end 360°
Tool interface [TBC]

Weight excludes fixture

TOOL APPLICATIONS



01 Heavy-duty torque wrench



02 Bolt tensioner



03 Heavy-duty angle grinder



04 Pipe threading machine



05 Heavy-duty drill / tapping unit



06 Plasma cutter



07 Hydraulic rivet gun



08 Heavy-duty lockbolt installation tool



09 Pneumatic rock drill



10 Heavy pneumatic breaker

Concept illustrations; actual configurations to be confirmed.

LS60

HEAVY WORKPIECE HANDLING

Supports heavy assembly tools and gripping fixtures for picking, transfer and positioning.

WORKING RADIUS

1900 mm

VERTICAL STROKE

930 mm

LOAD CAPACITY

60 kg

ARM WEIGHT

65 kg



SERIES APPEARANCE

OPERATING DATA

Air pressure 0.6–0.8 MPa
Main ±180° / end 360°
Tool interface [TBC]

Weight excludes fixture

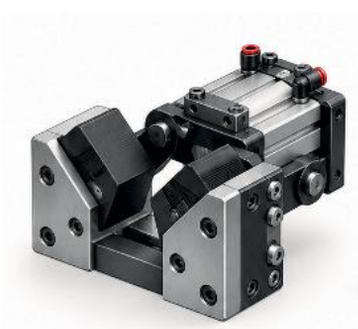
GRIPPING FIXTURE OPTIONS



01 Clamping module



02 Vacuum lifting fixture



03 V-block clamping fixture



04 Fork lifting fixture



05 Quick-connect lifting attachment



06 Electro-permanent magnetic gripper

Concept illustrations; actual configurations to be confirmed.

LS80

END-EFFECTOR MODULES

Rotation, turnover, fine adjustment and quick-change options for varied assembly positions.

WORKING RADIUS

2000 mm

VERTICAL STROKE

1000 mm

LOAD CAPACITY

80 kg

ARM WEIGHT

75 kg



SERIES APPEARANCE

OPERATING DATA

Air pressure 0.6–0.8 MPa
Main ±180° / end 360°
Tool interface [TBC]

Weight excludes fixture

END-EFFECTOR OPTIONS



01 End rotation module



02 Workpiece turnover module



03 Fine-angle tilting module



04 Quick-change coupling



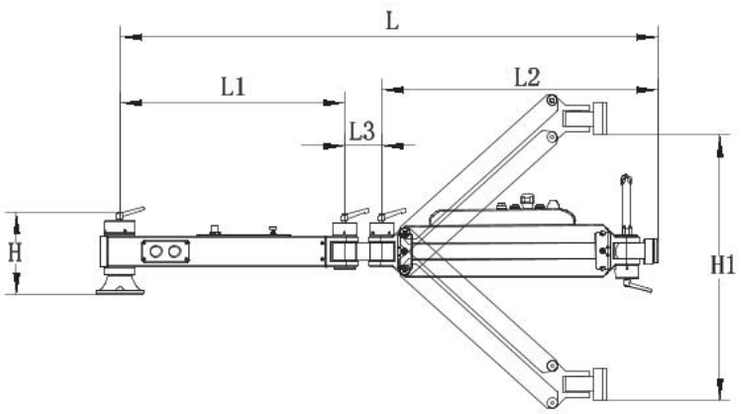
05 90° manual right-angle module

CONFIGURATION

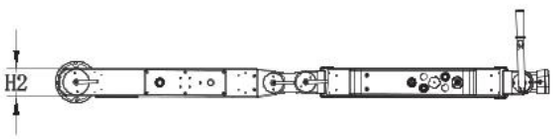
Interface size [TBC]
Travel range [TBC]
Final design [TBC]

Concept illustrations; actual configurations to be confirmed.

DIMENSIONS & SPECIFICATIONS



TOP VIEW



LS40 / LS60 / LS80

Dimensions in mm

Model	L	L1	L2	L3	H	H1	H2
LS40	1800	750	900	140	325	860	120
LS60	1900	800	950	140	325	930	120
LS80	2000	850	1000	150	345	1000	140

Load capacity (kg)	40 / 60 / 80 · Do not overload	Temperature	−10 to 45 °C
Arm weight (kg)	55 / 65 / 75 (excl. fixture)	Rel. humidity	≤95% RH (non-condensing)
Operating effort	≤3 kg (balanced condition)	Altitude	≤2000 m
Working pressure	0.6–0.8 MPa (0.7 recommended)	Noise (typical)	≤75 dB(A)
Air inlet	8 mm supply connection	Standby air use	Approx. 8 Nl/min
Air quality	Clean, dry compressed air	Cycle air use	≤30 [unit TBC]
Rotation	Main arm horiz. ±180°; end 360°	Delivery	Assembled; factory pre-adjusted
Mounting	Floor anchors M12×150, ≥8 pcs	Lubrication	No. 2 lithium grease; monthly

Supplied dimensions shown; L breakdown and cycle air-use unit await confirmation.

DISTRIBUTOR INFORMATION