

work stations

BALANCERS, ENERGY BOXES AND SUSPENSION ARMS

RATIONAL WORK STATION FACILITIES



CABLE BALANCERS

- Reduce physical effort
- Increase productivity
- Rationalise work stations
- Applications: fitting, assembly and packing stations
- Straightforward adjustment depending on a tool's weight, to position it at the right height above the work surface
- Safe anchoring
- Sturdy aluminium construction
- Long-lasting stainless steel cable
- Numerous safety systems built-in

BALANCERS WITH DIRECT SUPPLY

- Flexible polyurethane hose provide air supply and maintain the tool at the desired height
- Safe anchoring

ENERGY BOX

The power box provides electrical and pneumatic connections at the work station. The power box provides a simple and safe means of powering:

- Pneumatic tools
- Blowers
- Electric power tools
- Workshop lights

► Use:

Suspended at a fixed point, at the desired height, the power box makes operators' work easier by avoiding:

- The need to move around the workshop
- Hoses trailing on the floor
- Tedious operations in the workspace

► Advantages:

The handle and hanger makes it easy to grab the box while freeing space at the operator's work station.

SUSPENSION AND DISTRIBUTION ARMS

Suspension arms are used:

- To keep tools within arm's reach and keep work surfaces tidy
- To provide a pneumatic supply to tools without cumbersome, unsightly hoses

► Use:

- Fixed work stations (power drivers, staple guns, sanders, etc.)
- Fixed maintenance facilities on machine tools (spray guns, suction nozzles, etc.)
- Suspension of pneumatic or electric tools (balanced by adding balancers, spiral hoses, with or without supply)


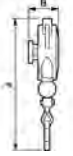



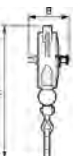


► Advantages:

- Tools immediately available
- Weight of tool supported by arm
- Rational work station layout
- Productivity savings


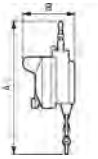


► Arm characteristics:

- Suspension arm rotates flexibly
- Minimal footprint
- Leg takes up very little surface area on work bench
- Sturdy yet lightweight assembly
- Sealed assembly ready for installation
- Arm equipped as standard with an air inlet adaptor at the base and a safety quick coupling for air supply to the tool


BALANCE REELS WITH STEEL CABLES

Less strain	Cost-effective	Simple solution	Built to last	Automotive applications	Industrial application	Construction Stainless steel cable	Construction Aluminium	
		A	B	Length cable m	Min.Load kg	Max.load kg	Weight balancers kg	REFERENCE
A series: 0,4-3 kg load capacity								
				- Grooved knob adjusts spring tension - Swivel spring hook				
		282	55	1,6	0,4	1	0,57	BAL 0410A
		282	55	1,6	1	2	0,6	BAL 1020A
		282	55	1,6	2	3	0,74	BAL 2030A
B series: 2-8 kg load capacity								
				- Grooved knob adjusts spring tension - Frictionless cable guide - Brake stops loads from falling if spring suddenly breaks				
		353	88	2	2	4	1,9	BAL 2040B
		353	88	2	4	6	1,98	BAL 4060B
		353	88	2	6	8	2,28	BAL 6080B
CP series: 8-14 kg load capacity								
				- Grooved knob adjusts spring tension - Frictionless cable guide - Brake stops loads from falling if spring suddenly breaks				
		381	98	2,50	8	10	3,43	BAL 80100CP
		381	98	2,50	10	14	3,58	BAL 100120CP
DP series: 4-25 kg load capacity								
				- Grooved knob adjusts spring tension - Braking device for positioning the load at different heights - Brake stops loads from falling if spring suddenly breaks - Swivel safety hook for ceiling mounting - Safety cable for ceiling mounting - Stainless steel cable with special frictionless guide - Cable wound in tapered drum rotating on ball bearings				
		551	140	2	4	7	4,94	BAL 4070DP
		551	140	2	7	10	5,3	BAL 70100DP
		551	140	2	10	14	5,67	BAL 100140DP
		551	140	2	14	18	6,26	BAL 140180DP
		551	140	2	18	22	5,89	BAL 180220DP
		551	140	2	22	25	6,53	BAL 220250DP





BALANCE REELS WITH STEEL CABLES

Less strain	Cost-effective	Simple solution	Built to last	Automotive applications	Industrial application	Construction Stainless steel cable	Construction Aluminium		
		A	B	Length cable m	Min.Load kg	Max.load kg	Weight balancers kg	REFERENCE	
F Series: 25-105 kg load capacity									
				<ul style="list-style-type: none"> - Grooved knob adjusts spring tension - Brake stops loads from falling if spring suddenly breaks - Swivel safety hook for ceiling mounting - Safety cable for ceiling mounting - Stainless steel cable with special frictionless guide - Cable wound in tapered drum rotating on ball bearings 					
		636	220	2	25	30	11.3	BAL 250300F	
		636	220	2	30	35	11.3	BAL 300350F	
		636	220	2	35	45	12.21	BAL 350450F	
		636	220	2	45	55	12.21	BAL 450550F	
		636	220	2	55	65	13.06	BAL 550650F	
		636	220	2	65	75	13.86	BAL 650750F	
		636	220	2	75	90	16.84	BAL 750900F	
636	220	2	90	105	17.77	BAL 9001050F			
E series: air supply hose - 0,4-2,5 kg load capacity									
				<ul style="list-style-type: none"> - Polyurethane hose supplies air directly to tools - Grooved knob adjusts spring tension - G 1/4 BSP Gas Teflon-coated male fitting - Service pressure : 8 bar at 20°C 					
		298	104	1.4	0.4	0.8	1.12	BAL 0408E	
		298	104	1,4	0.75	1.5	1.13	BAL 0715E	
		298	104	1,4	1.2	2.5	1.26	BAL 1225E	

SPIRALEX TOOL BALANCERS WITH RECOILS

Less strain	Cost-effective	Simple solution	Built to last	Fluid Air	Automotive applications	Industrial application	
		Weight tool weight kg	Outlet BSP Gas	Hose diameter mm	Max length in m	Length Mini in m	REFERENCE
Spiralex tool balancers with recoils							
		0,2 to 0,5	G 1/4 male	4.5 x 6	0.65	0,28 to 0,45	SPI 1
		0.7 to 2	G 1/4 female	6.3 x 8	1.06	0.46 to 0.90	SPI 3
		2.5 to 5	G 3/8 Female	9.5 x 12	1.45	0.92 to 1.42	SPI 5
		6 to 10	G 3/8 female	9.5 x 12	1.44	0.70 to 0.98	SPI 7

COMPRESSED AIR DISTRIBUTION AND SUSPENSION ARM

Pressure 10 bar	Construction Aluminium	Max.load 3 kg					Height suspension hook on secondary arm 1130 mm	Swivels 180°
		A	B	C	D	E	DESCRIPTION	REFERENCE
Articulated suspension arm								
							Suspension arms: - Keep tools within arm's reach and keep work surfaces tidy. - Provide a pneumatic supply to tools without cumbersome, unsightly hoses. Inlet : G 1/4 female with adaptor Outlet : G 1/4 female with safety coupling	
		860	750	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor ISO B G 1/4 female outlet with safety coupling ISO B - ISI	BSIS 750
		860	750	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor Ø 7.2 mm G 1/4 female outlet with safety coupling Ø 7.2 mm	BSES 750
		860	750	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor ISO C G 1/4 female outlet with safety coupling ISO C	BSC 750
		860	750	1210	45x45		Sliding suspension hook on secondary arm Air supply : G 1/4 female inlet with adaptor -ARO- G 1/4 female outlet with safety coupling - ARO	BSA 750
		860	750	1210	45 x 45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor - British G 1/4 female outlet with safety coupling - British	BSB 750
Double articulation suspension arm								
							Suspension arms: - Keep tools within arm's reach and keep work surfaces tidy. - Provide a pneumatic supply to tools without cumbersome, unsightly hoses. Inlet : G 1/4 female with adaptor Outlet : G 1/4 female with safety coupling	
		1075	450	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor ISO B G 1/4 female outlet with safety coupling ISO B - ISI	BSIS 1000
		1075	450	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor - Ø 7.2 mm G 1/4 female outlet with safety coupling - Ø 7.2 mm	BSES 1000
		1075	450	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor ISO C G 1/4 female outlet with safety coupling ISO C	BSC 1000
		1075	450	1210	45x45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor - ARO G 1/4 female outlet with safety coupling - ARO	BSA 1000
		1075	450	450	1210	45 x 45		Sliding suspension hook on secondary arm Air supply: G 1/4 female inlet with adaptor - British G 1/4 female outlet with safety coupling - British

ENERGY BOXES

COMPRESSED AIR / ELECTRICITY

Use To suspend from the ceiling at the desired height	Ergonomic Work station equipment	Ease of use and safe	Hose diameter Recoil supply hose: 8 x 12 mm	For use with Air/Electricity	Weight Box weight: 2 kg	Pressure 8 bar
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		DESCRIPTION	REFERENCE
Energy box Electricity/Compressed Air			
		<p>Suspended from the ceiling at the desired height, power boxes make life easier for operators by avoiding:</p> <ul style="list-style-type: none"> - the need to move around the workshop - hoses trailing on the floor - tedious operations in the workspace <p>Suspension chain : 3 m length</p>	
		<p>Boxes fitted with :</p> <ul style="list-style-type: none"> - 3 outlets 230 V 16 A for French market - 2 couplings ISI 061102 <p>Max power : 3 500 W</p>	BEIS 230F
		<p>Boxes fitted with :</p> <ul style="list-style-type: none"> - 3 outlets 230 V 16 A for Spanish market - 2 couplings ISI 06 <p>Max power : 3 500 W</p>	BEIS 230S
		<p>Energy box equipped with:</p> <ul style="list-style-type: none"> - three 13 A/230-240 V outlets British 13-amp plug system + 2 BSC 06 quick couplings <p>Max. power: 3500 W</p>	BEB 230B
Energy box Electricity/Compressed Air			
		<p>Suspended from the ceiling at the desired height, power boxes make life easier for operators by avoiding:</p> <ul style="list-style-type: none"> - the need to move around the workshop - hoses trailing on the floor - tedious operations in the workspace <p>Suspension chain : 3 m length</p>	
		<p>Boxes fitted with :</p> <ul style="list-style-type: none"> - 3 outlets 230 V 16 A for German market - 2 couplings ESI 07 <p>Max power : 3 500 W</p>	BEES 230G