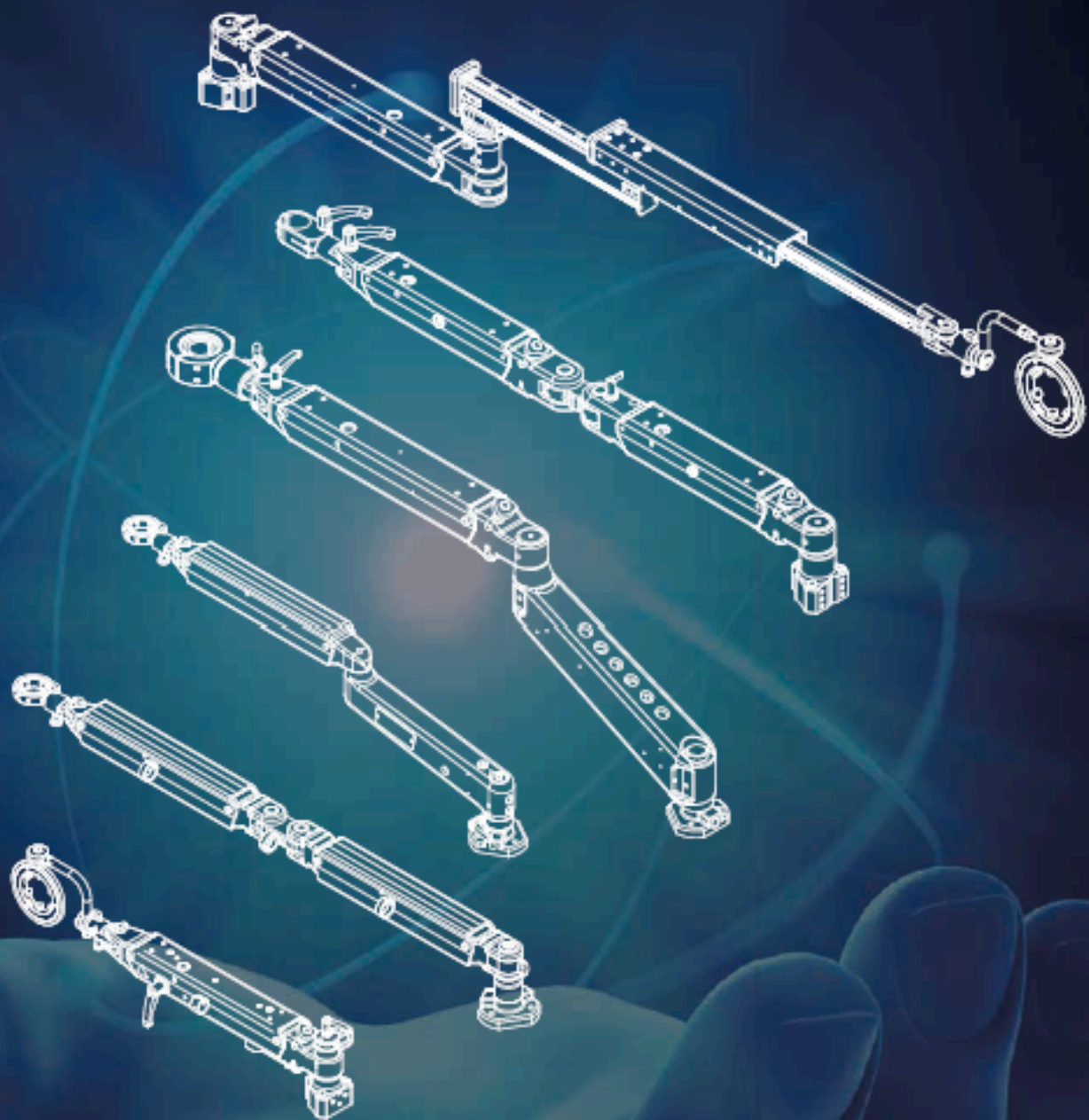


3arm®



ERGONOMIC SOLUTIONS

October 2021



**The 3arm ergonomic arm is
the strongest most dependable
arm available in the world
market place today.**

It can be used for assistance in assembly, deburring, off line machining,
and all types of lifting operations. Where ever operator fatigue is concern
for employee safety, productivity, or quality 3arm has a solution.

TECNOSP/RO
MACHINE TOOL SL

SAFETY WARNING 3ARM products are engineered and manufactured with safety in mind. The heat treat specifications exceed or meet all standards. All of the products manufactured by 3ARM are designed to perform without any undue safety issues when caution, common sense and proper safety practices are followed. The use of cutting tools and toolholders is safe when proper application and protection guidelines are observed. Even when these proper precautions are taken, it is possible that fragments of a cutting tool, cutting material, or holding device may be thrown at a very high rate of speed and have potential to cause severe bodily harm. It is imperative that general safety precautions and safety glasses be used at all times.

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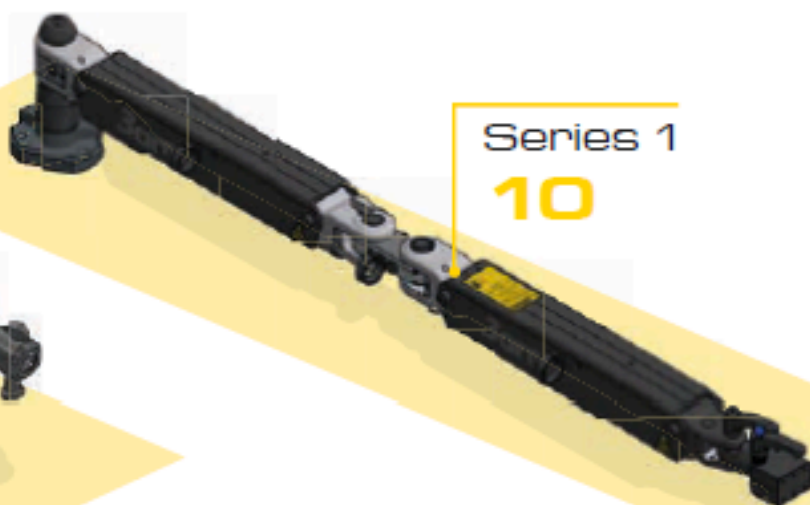
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Smart Arm

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Versatility and Productivity

3arm® has been designed to keep weightless any tool and device up to 60kg (132 lbs), with different working areas, including more than 45 head systems and be fixed in any position according its accessories and having more than 1 million combinations available.

Ergonomic Safety

The weightlessness and the skill to absorb a considerable tool torque reaction depending on the headmember and the option to lock the arm in any position and movement helps to prevent the operator fatigue and injuries, giving them high work sensitivity and increasing productivity.

The 3arm® Solution

- Allows the full range of motion required to complete any task efficiently and safely.
- Permits use of heavy tools more accurately.
- Eliminates tool weight, providing not only an ergonomic benefit, but also increasing productivity.
- Reduces operator fatigue and the chance of injury due to strain.
- Holds any tool up to 60 Kg, keeping the tool weightless, while eliminating possible damage caused by dropping the tool.

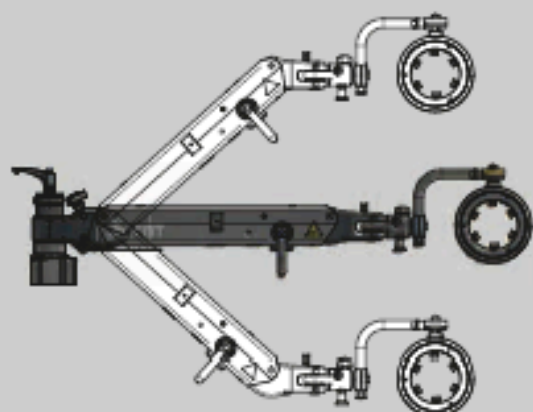


3arm Solutions

A Series 0 arm with a balustrade support for lifters is a perfect solution for construction and electrical applications.

REACH		MAX. up to	TORQUE up to
↑ VERT.	→ HORZ.		
1070 mm	925 mm	35 kg	650 Nm
42 in	36 in	77 lbs	479 ft-lb

A single tilting arm for the most simple applications. Three different arm lengths, all the brake options and headmembers offers versatility for any kind of tool.



Balustrade Support



FLOOR MOUNTED / CEILING MOUNTED		REACH		MAX KG	REACH		MAX LBS
		VERT	HORZ		VERT	HORZ	
SN/ST DS	Extra Short Tilting	500	510	30	19,8	20	65
SN/ST BS	Short Tilting	669	625	35	26,3	24,3	77
SN/ST BM	Long Tilting	1070	925	19	44,5	36,4	41

COMPATIBLE HEAD MEMBERS

All

See Headmembers, pg 24

BRAKE OPTIONS

- L00** No brakes
- L11** Manual
- L22** Pneumatic
- L50** Manual Locking Base
- L92** Tool Trigger Activated



Pure
Simplicity
for holding
tools

SINGLE FOR SIMPLE APPLICATIONS

3arm®



Compact and precise with great maneuverability

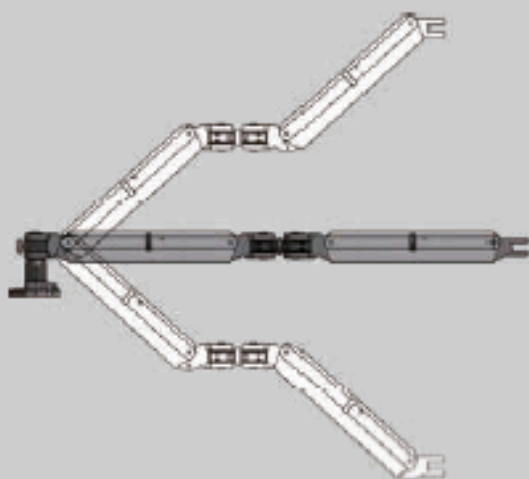
TORQUE RECOMMENDATIONS

Work	Head Member	Max. Torque	
		Nm	ft-lbs
	VERTICAL		
	B0: Stationary Flat with Ring	650	479
	E0: Flat Articulated with Ring	120	88
	R0: Revolving	300	221
	HORIZONTAL		
	B0: Stationary Flat with Ring	250	184
	E0: Flat Articulated with Ring	120	88
	R0: Revolving	250	184
	ANY ANGLE		
	E0: Flat Articulated with Ring	120	88
	R0: Revolving	200	147

SERIES 1

REACH		MAX. up to
↑ VERT.	→ HORZ.	
1070 mm	1123 mm	10 kg
44 in	43 in	22 lbs

Series 1 arms are capable of the most difficult operations and positions required. The innovative connections between the parts of the arm allow completely free movement of rolling up, down and sideways



ORIENTATION

1PL1DS	Floor Mounted
1AS1DS	Ceiling Mounted

COMPATIBLE HEAD MEMBERS

B, BA, C, E, EA, F, G, H, K, L, LB, N, Q, T, U, Z

See Headmembers, pg 24

BRAKE OPTIONS

L00	No brakes
L50	Manual locking base

3arm Solutions

A Trolley Column with Lifter can add the mobility needed for your application and add even more vertical reach at the same time.



COME AT IT ...
**FROM ANY
DIRECTION**



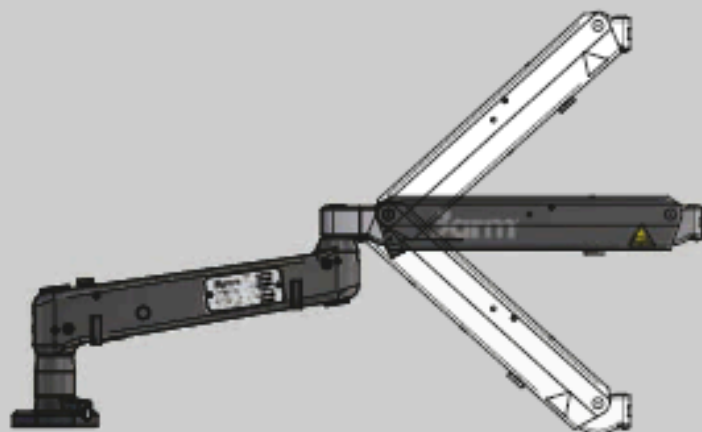
Light and nimble with great vertical reach

Dual
Tilting Arms Add
Extra Vertical
Reach

SERIES 2

REACH		MAX. up to 10 kg	TORQUE up to 120 Nm
↑ VERT.	→ HORZ.		
530 mm	860 mm		
22 in	34 in	22 lbs	88 ft-lb

A combination radial arm and tilting arm, each capable of 360° rotation. Two arms of different length give you the ability to reach separate working areas. A range of headmembers options offer solutions for a wide variety of tools and devices.



ORIENTATION

B	Floor Mounted
BE	Elevating Base
BS	Ceiling Mounted

COMPATIBLE HEAD MEMBERS

B, BA, C, E, EA, F, G, H, K, L, LB, N, Q, T, U, Z

See Headmembers, pg 24

BRAKE OPTIONS

L00	No brakes
L50	Manual locking base



An Excellent
Assembly
Solution for
Small Work
Areas

THE PERFECT BALANCE ... IN YOUR WORK



A compact multi-purpose arm for use when brakes are not required



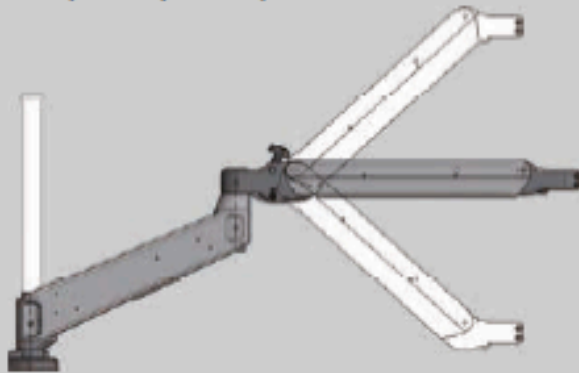
TORQUE RECOMMENDATIONS

Work	Head Member	Max. Torque	
		Nm	ft-lbs
	VERTICAL		
	B2: Stationary Flat with Ring	120	88
	E2: Flat Articulated with Ring	60	44
	HORIZONTAL		
	B2: Stationary Flat with Ring	90	66
	E2: Flat Articulated with Ring	60	44
	ANY ANGLE		
	E2: Articulated Flat + Ring	60	44

SERIES 3

REACH		MAX. up to	TORQUE up to
↑ VERT.	→ HORZ.		
1070 mm	1725 mm	35 kg	650 Nm
42 in	68 in	77 lbs	479 ft-lb

The most popular 3arm® due to versatility. Features "turning & tilting" brake locking systems (pneumatic or manual) allowing the operator to immobilize the arm, in a fixed position, on all axes simultaneously or separately.



FLOOR MOUNTED/CEILING MOUNTED		REACH mm		MAX Kg	REACH in		MAX LBS
		VERT	HORZ		VERT	HORZ	
A/PSBS	Short Radial + Short Tilting	669	1075	35	26.3	41.7	77
A/PSBM	Short Radial + Long Tilting	1070	1375	19	44.5	53.5	40
A/PLBS	Long Radial + Short Tilting	669	1432	35	26.3	55.9	77
A/PLBM	Long Radial + Long Tilting	1070	1733	19	44.5	67.6	40

ELEVATING BASE

PEBS	Elevating Radial + Short Tilting	1080	1125	35	26.3	43.7	77
PEBM	Elevating Radial + Long Tilting	1519	1425	19	44.5	55.8	40

BRAKE OPTIONS

- L00** No brakes
- L11** Manual
- L22** Pneumatic
- L50** Manual Locking Base
- L92** Tool Trigger Activated

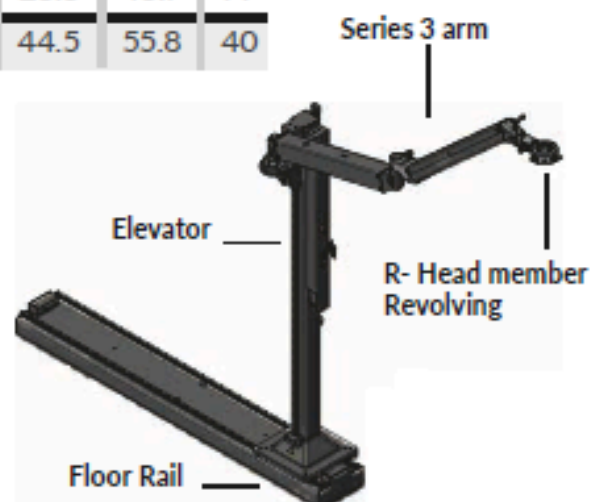
See Brakes, pg 24

COMPATIBLE HEAD MEMBERS

ALL

See Headmembers, pg 24

The
Workhorse
of the 3arm®
Series



THE CAPABILITY TO ... CARRY THE WEIGHT



Long reach and the ability to carry the heaviest loads



TORQUE RECOMMENDATIONS

Work	Head Member	Max. Torque	
		Nm	ft-lbs
	VERTICAL		
	B3: Stationary Flat with Ring	650	479
	E3: Flat Articulated with Ring	120	88
	R3: Revolving	300	221
	HORIZONTAL		
	B3: Stationary Flat with Ring	250	184
	E3: Flat Articulated with Ring	120	88
	R3: Revolving	250	184
	ANY ANGLE		
	E3: Flat Articulated with Ring	120	88
	R3: Revolving	200	147

3arm Solutions

The Floor Rail plus the Elevator provides a big working area for your application.

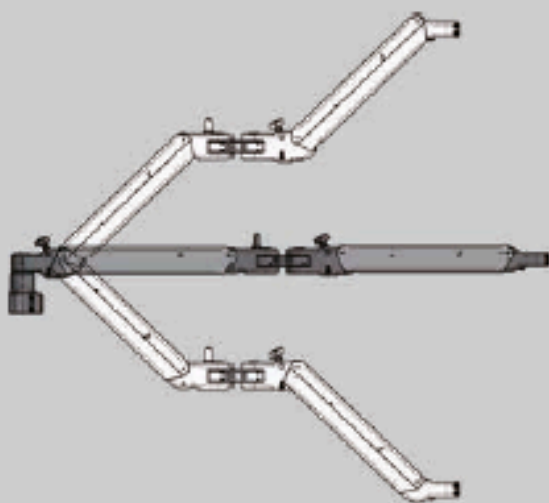
See More Solutions, pg 26

*Series 3 - LOCKING RECOMMENDED

SERIES 4

REACH		MAX. up to	TORQUE up to
↑ VERT.	→ HORZ.		
1340 mm	1555 mm	24 kg	300 Nm
52 in	57 in	53 lbs	220 ft-lb

The innovative connections between the parts of the arm allow completely free movement of rolling up, down and sideways. Capable of reaching the most difficult positions or work with weightless precision.



FLOOR MOUNTED / CEILING MOUNTED		REACH mm		MAX Kg	REACH in		MAX LBS
		VERT	HORZ		VERT	HORZ	
A/DS	Short Arm	1020	1220	21	40	48	43
A/DM	Long Arm	1340	1555	24	52	57.5	53

COMPATIBLE HEAD MEMBERS

ALL

See Headmembers, pg 24

BRAKE OPTIONS

L00 No brakes

L11 Manual

L22 Pneumatic

L50 Manual Locking Base

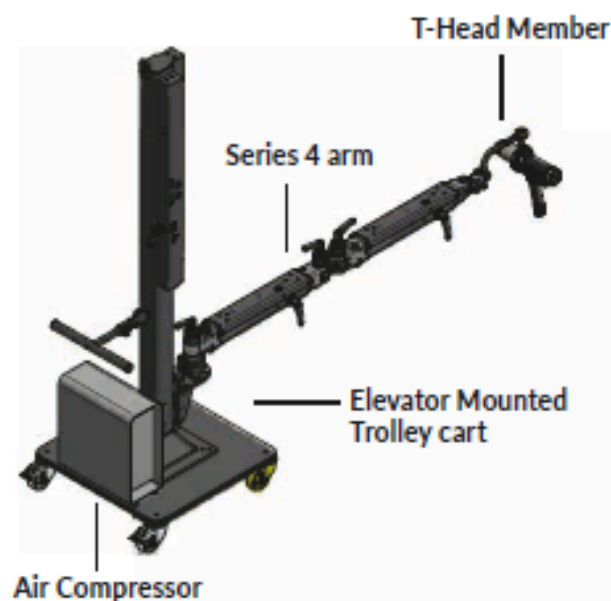
L92 Tool Trigger Activated

See Brakes, pg 24

3arm® Solutions

A Trolley Elevator plus the Compressor makes your application fully mobile.

See More Solutions, pg 24



**Dual Tilting
Arms Expand
the Range of
Movement**

THE RIGHT ANGLE ...

MAKES ALL THE
DIFFERENCE



Extended vertical reach with uncompromised strength



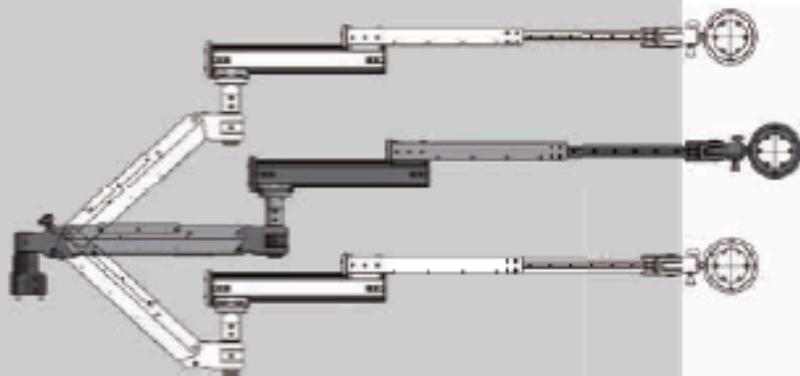
TORQUE RECOMMENDATIONS

Work	Head Member	Max. Torque	
		Nm	ft-lbs
	VERTICAL		
	B4: Stationary Flat with Ring	300	221
	E4: Flat Articulated with Ring	120	88
	R4: Revolving	300	221
	HORIZONTAL		
	B4: Stationary Flat with Ring	250	184
	E4: Flat Articulated with Ring	120	88
	R4: Revolving	250	184
	ANY ANGLE		
	E4: Flat Articulated with Ring	120	88
	R4: Revolving	200	147

*Series 4 - LOCKING REQUIRED

SERIES 6

REACH		MAX. up to	TORQUE up to
↑ VERT.	→ HORZ.		
669 mm	2095 mm	18 kg	300 Nm
26 in	82 in	40 lbs	220 ft-lb



An extendable arm with ball linear guideways attached to a pendulum base arm, both capable of 360° rotation. A compact arm that offers versatility for any type of tool. The telescopic top arm allows the user to work on hard to reach areas comfortably, quickly and safely. Built for a wide variety of applications.



FLOOR MOUNTED/ CEILING MOUNTED		REACH mm		MAX Kg	REACH in		MAX LBS
		VERT	HORZ		VERT	HORZ	
SC	Short Arm	669	1747	18	26	68	40
SM	Long Arm	669	2095	10	26	82	22

DESCRIPTION

BPRASC Series 6 Short

BPRASM Series 6 Long

COMPATIBLE HEAD MEMBERS

SC: ALL SM: N, T only

See Headmembers, pg 24

BRAKE OPTIONS

V800 V1200

L00 No brakes

L22 Pneumatic

L92 Tool trigger Activated

Get Your
Tool into
Tight Spaces
Safely

EVERYTHING ... WITHIN REACH



Extended horizontal reach spans more than 2M.



TORQUE RECOMMENDATIONS

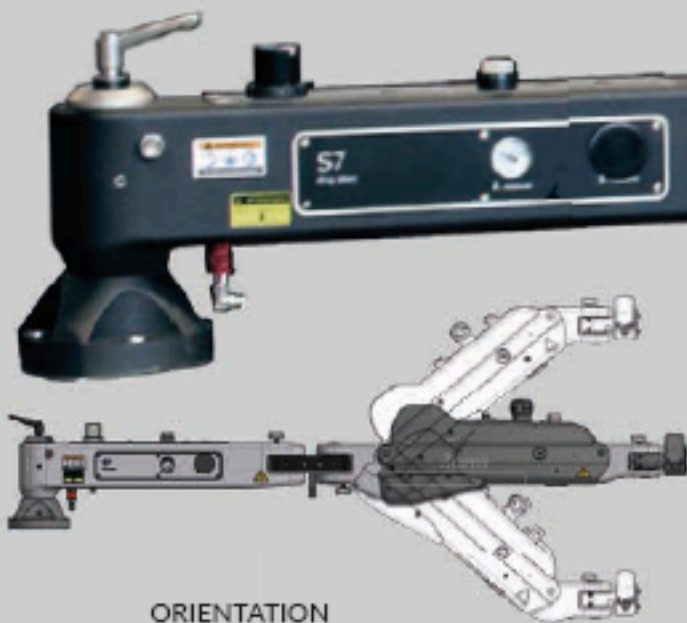
Work	Head Member	Max. Torque	
		Nm	ft-lbs
	VERTICAL		
	B6: Stationary Flat with Ring	300	221
	E6 Flat Articulated with Ring	120	88
	R6: Revolving	300	221
	HORIZONTAL		
	B6: Stationary Flat with Ring	250	184
	E6: Flat Articulated with Ring	120	88
	R6: Revolving	250	184
	ANY ANGLE		
	E6: Flat Articulated with Ring	120	88
	R6: Revolving	200	147

*Series 6 - LOCKING REQUIRED

SERIES 7

REACH		MAX. up to 60 kg	TORQUE up to 1200 Nm
↑ VERT.	→ HORZ.		
707 mm	1670 mm		
27 in	65 in	132 lbs	885 ft-lb

Ergonomic and optimized arm for the most heavy duty power tools in the market. Features brake locking system and a range of headmembers that offer solutions for a wide variety of applications.



ORIENTATION

7 PS	Floor Mounted
7 AS	Ceiling Mounted

COMPATIBLE HEAD MEMBERS

B, BA, E, EA, J, L, LB, K, Q, U, Z

See Headmembers, pg 24

BRAKE OPTIONS

L50	Manual Locking base
L11	No brakes
L22	Pneumatic
L92	Tool trigger Activated

For the applications with the most demanding tools

Work	Head Member	Max. Torque	
		Nm	ft-lbs
	VERTICAL		
	B7: Stationary Flat with Ring	1200	885

POWERFUL BALANCE

IN YOUR WORK



Compact arm for big solutions



HEAD MEMBERS



B
Vertical
Flat



BA
Vertical with
Ring



C
Vertical
Adjustable



G
Quick
Change



H
Heavy-Duty
Applications



J
Magnetic
Articulated
Drill



K
Universal
Strap



M
Constant
Pressure
Support



N
Multiposition
Articulated



P
Double
Articulated
Flat



Q
Heavy-Duty
Multiposition
Articulated



SN
Giraffe
Multiposition



SG
Heavy-Duty
Giraffe
Multiposition



SR
Giraffe
Revolver

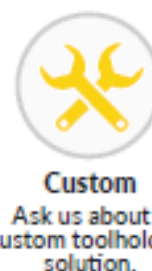
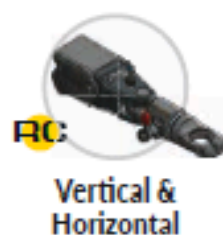
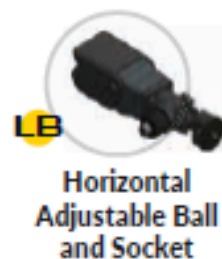
BRAKES

L00
No Brakes



L11
Manual
Brakes





L22
Pneumatic
Brakes



L50
Manual
Locking
Base



L92
Pneumatic,
brakes
activated
from the
tool trigger

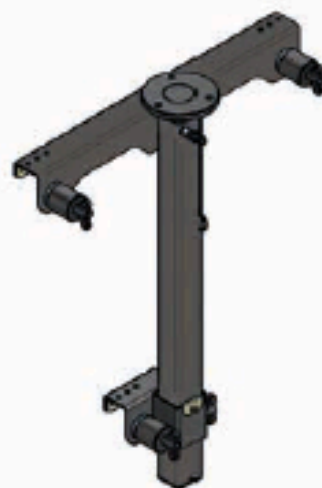


MOUNTING SOLUTIONS



Extension Arm 1000
1000 mm

Add reach to
your build with a
Swing Beam



**Balustrade
Support**



Base Rotation Limiter



**Extension
Arm 500**
500 mm

We will engineer the perfect solution for your application

Our experts will ensure your 3arm® build is properly balanced with your accessory.

More Reach



Floor Rail
2000 mm

Easily add
dependable reach
to your arm.



Linear Guide
2000 mm

A ceiling or wall
mounted beam
conserves floorspace
and can help eliminate
trip hazards.

Custom sizes available



Mounting Column

From 200 to 1700 mm



Trolley with Column

Add mobility and reach by mounting your 3arm® on a Trolley with Column



Achieve extreme vertical reach with an Elevator

Elevator

1500 mm
2000 mm
2500 mm



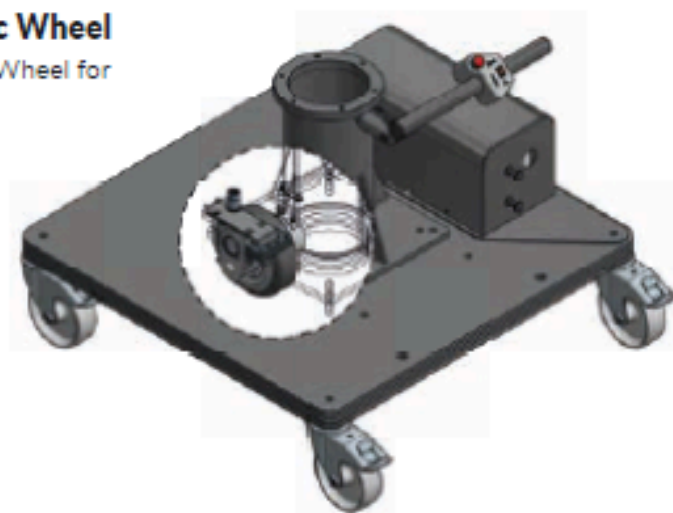
Lifter

300 / 500 / 750 mm

Add even more vertical reach to your Column

Electric Wheel

Electric Wheel for trolleys



WE SERVICE WHAT WE MANUFACTURE

www.3arm.net



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Customer Commitment

To work hard everyday to be regarded in the metal working marketplace as a supplier that is friendly, helpful and easy to do business with - EVERYDAY, EVERYTIME.

To offer innovative high quality solutions at a competitive price.

To be receptive & proactive in identifying solutions for our customers needs & requirements.



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