

Torque Reaction Systems



ACX[®]

Improve your **ergonomy** and your **productivity!**



Air and electric powered hand tools produce a **torque reaction** transmitted to the operator's hand. Over a period of time this reaction can cause injuries to the hand, wrist and shoulder. These injuries mean **reduced productivity** and **increased employee absenteeism**.

This could be prevented by using one of our **reaction arms** designed to **absorb the torque reaction** but also to **improve the ergonomics and productivity** of the workstation.

SUSPENDED TORQUE REACTION ARMS

► **Slider and DMF Arms**



► **Slider**

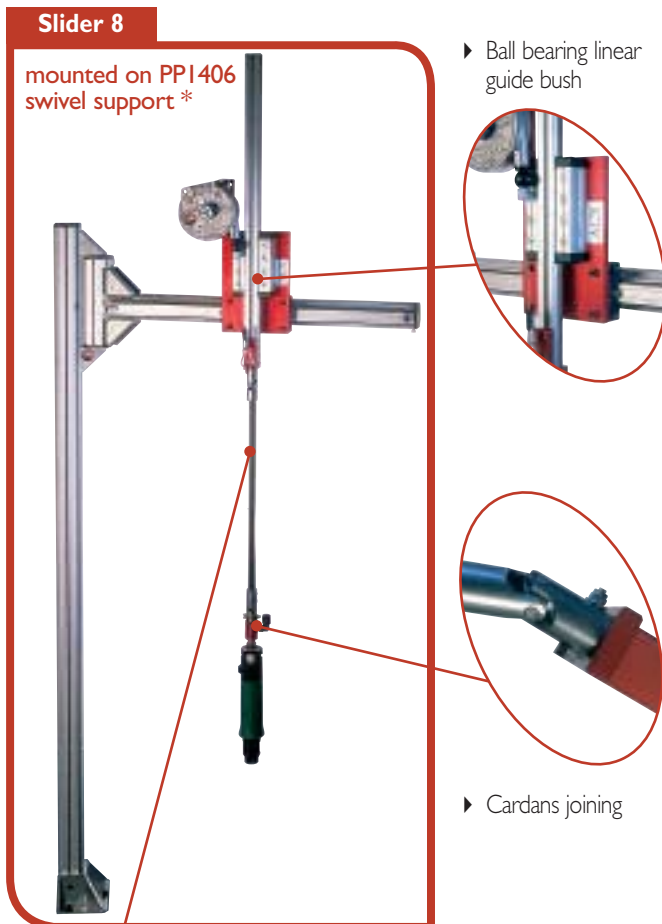
Erase your torque reaction until 15 Nm

IMPROVE YOUR COMFORT AND PRODUCTIVITY

Easy to install and smart-sized the SLIDER arms improve the comfort of the operator and the productivity clearing the work area.

IMPROVE YOUR ERGONOMY

Mounted with horizontal stroke the SLIDER become the ideal ergonomical solution on conveyor line.



► Ball bearing linear guide bush

► Cardans joining

* PP 1406 swivel support not included

► Resistance and lightness of the carbon fiber

Model	Maximum torque	Flange diameter	Vertical stroke	Workstation coverage	Code
Slider 8	8 Nm	3/8" G	450 mm	150 mm	I200077
Slider 15	15 Nm	3/8" G	450 mm	150 mm	I200078

Options:

Horizontal linear guide bush

- stroke 450 mm code **I200132**
- stroke 650 mm code **I200160**
- stroke 850 mm code **I200161**
- stroke 1050 mm code **I200162**
- stroke 1350 mm code **I200163**
- stroke 1850 mm code **I200164**

Single carriage

code **I200165**

Balancer carriage

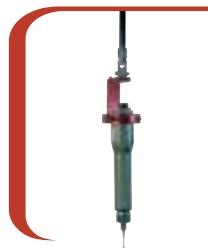
code **I200166**

Additional adjusting thrust bearing

code **I200167**

Clamp for electric tools

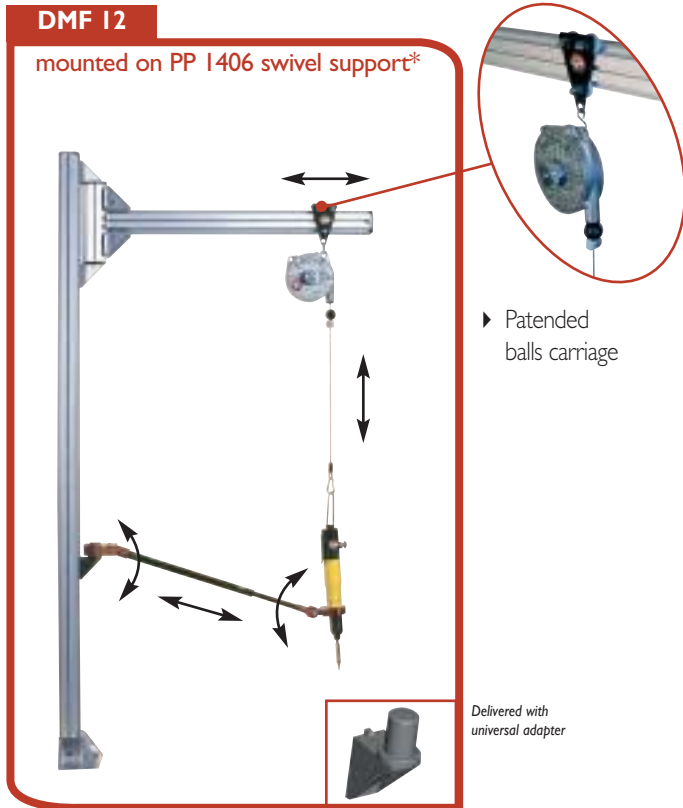
- For SLIDER 8 code **I200133**
- For SLIDER 15 code **I200148**



► DMF

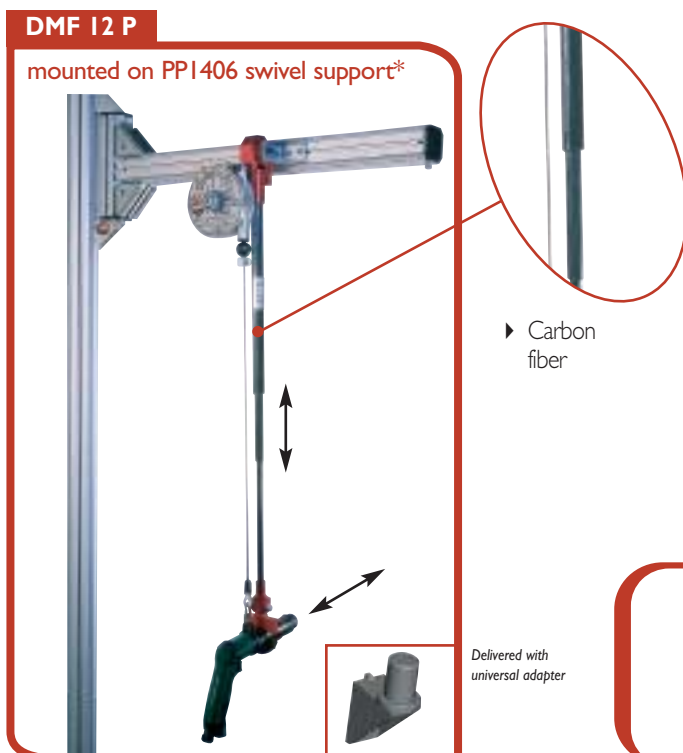
Erase your torque reaction until 30 Nm

► DMF (for straight tools)



* balancer and PP 1406 swivel support not included

► DMF...P (for pistol tools)



* PP 1406 swivel support not included

BETTER COMFORT FOR THE OPERATOR THANKS TO:

- ✓ A complete freedom of movement of the power tool during the operation
- ✓ The light weight of the carbon fiber

ECONOMY THANKS TO:

- ✓ The higher durability of the carbon fiber
- ✓ The universal adapter which can be installed on every existing workstations

The combination of a DMF arm with the Moduposte swivel support procures optimal safety and comfort to the operator but also improves his efficiency.

The polyvalent design permits a better comfort adjusting the pole height to the operator morphology.

DMF 12



Model	Maximum torque	Flange diameter	Workstation coverage	Weight	Code
DMF 12	12 Nm	25-40 mm	460/950 mm	200 gr	I200073
DMF 30	30 Nm	28-52 mm	475/960 mm	340 gr	I200074

Model	Dimensions	Maxi load	Code
PP 1406 with roller slide	1400 x 600 mm	15 kg	I209002
Additional roller slide CR 5050	-	-	I209023

Model	Maximum torque	Flange diameter	Reach	Maxi load	Code
DMF 12 P	12 Nm	25-40 mm	460/950 mm	1,5 kg	I200075
DMF 30 P	30 Nm	28-52 mm	475/960 mm	2,5 kg	I200076

Options:



- Quick change clamp DMF 12 **code I200016**
- Quick change clamp DMF 30 **code I200017**

▶ BA Arms



Erase your torque reaction until 100 Nm

- ✓ Erase torque reaction
- ✓ Avoid illnesses (confirmed by the work medicine)
- ✓ Suppress the tiredness
- ✓ Improve the tightening quality
- ✓ Reduce the absenteeism rate
- ✓ Improve productivity



- ▶ Air flow regulation
- ▶ Pole upper clamp
- ▶ Pneumatic downward assistance by cylinder
- ▶ Strengthened sliding bush
- ▶ Rod coupler
- ▶ 2 point-hole mounting
- ▶ Sliding bush with balls
- ▶ 2 point-hole mounting
- ▶ 4 point-hole mounting

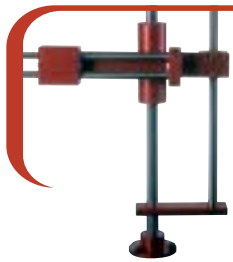
BA 12 shown with EASY PUSH KIT and anti rotation clamp



Model	Maxi torque	Tool diameter	Maxi load	Code
BA 12	12 Nm	25-40 mm	1.2 kg	1200065
BA 25	25 Nm	28-52 mm	2.2 kg	1200066
BA 40	40 Nm	28-52 mm	2.2/4 kg*	1200067
BA 100	100 Nm	28-52 mm	3.5/6 kg*	1200068

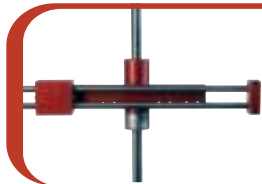
*With additional balancer - code **1200143**

► Accessories



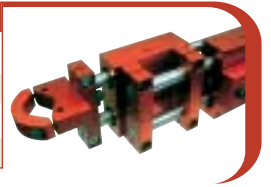
Model	For	Code
Anti rotation clamp	BA 12 & 25	I200116
Anti rotation clamp	BA 40 & 100	I200117

Model	For	Code
ARP system	BA 12	I200118
ARP system	BA 25 & 40	I200119



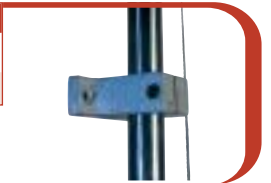
Model	For	Stroke	Code
Extended slides	BA 12	+ 130 mm	I200120
Extended slides	BA 25	+ 130 mm	I200121
Extended slides	BA 40	+ 170 mm	I200122
Extended slides	BA 100	+ 200 mm	I200123

Model	For	Stroke	Code
Double slide	BA 12	+ 230 mm	I200124
Double slide	BA 25	+ 210 mm	I200125
Double slide	BA 40	+ 295 mm	I200126
Double slide	BA 100	+ 330 mm	I200127

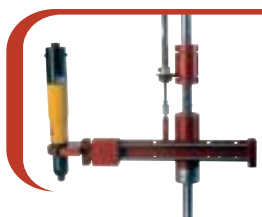


Model	For	Code
Inverse mounting kit	BA 12 & 25	I200128
Inverse mounting kit	BA 40 & 100	I200129

Model	For	Stroke	Code
Pole upper clamp	BA 12 & 25	2 Ø 4.3 center distance 45 mm	I200130
Pole upper clamp	BA 40 & 100	2 Ø 5.3 center distance 60 mm	I200131

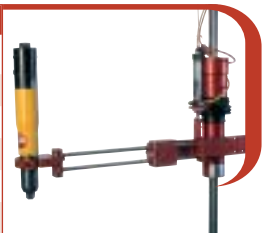


► Downward assistance Kits



Model	For	Pushing force	Stroke	Type	Code
EASY PUSH	BA 12	5 kg	125 mm	pneumatic	I200099
EASY PUSH	BA 25	9 kg	160 mm	-	I200102
EASY PUSH	BA 40 & 100	9 kg	200 mm	-	I200103
EASY PUSH	BA 40 & 100	15 kg	200 mm	-	I200144
EASY PUSH	BA 100	25 kg	200 mm	-	I200145
EASY PUSH	BA 12	5 kg	125 mm	electric	I200109
EASY PUSH	BA 25	9 kg	160 mm	-	I200110
EASY PUSH	BA 40 & 100	9 kg	200 mm	-	I200111
EASY PUSH	BA 40 & 100	15 kg	200 mm	-	I200146
EASY PUSH	BA 100	25 kg	200 mm	-	I200147

Model	For	Pushing force	Type	Code
BAPER	BA 12	5 kg	pneumatic	I200095
BAPER	BA 25	8 kg	-	I200096
BAPER	BA 40 & 100	8 kg	-	I200097
BAPER	BA 12	5 kg	electric	I200105
BAPER	BA 25	8 kg	-	I200106
BAPER	BA 40 & 100	8 kg	-	I200107



Model	For	Code
Safety kit	BA 12 & 25	I200134
Safety kit	BA 40 & 100	I200135

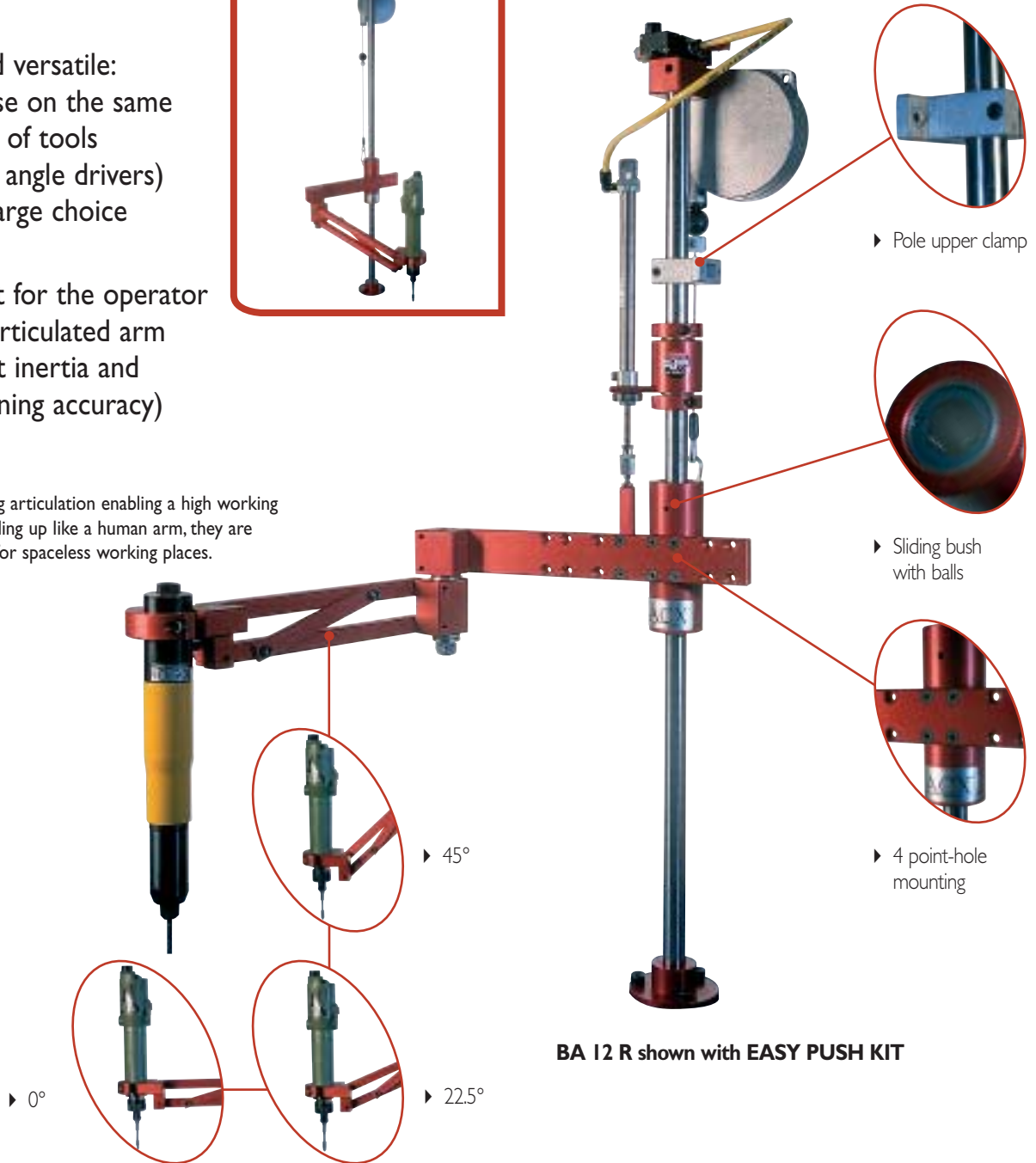
▶ BA...R Arms

Erase your torque reaction until 100 Nm

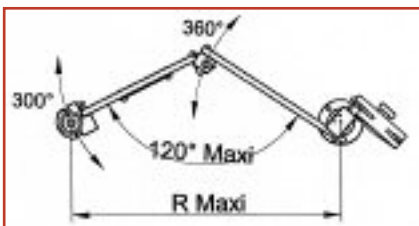
- ✓ Optimum ratio performance / dimensions (ideal for spaceless location!)
- ✓ Economical and versatile: possibility to use on the same arm every kind of tools (straight, pistol, angle drivers) thanks to the large choice of clamps
- ✓ Higher comfort for the operator thanks to the articulated arm (less movement inertia and better positioning accuracy)

The BA...R arms

are equipped with a rotating articulation enabling a high working flexibility. Swivelling and folding up like a human arm, they are particularly recommended for spaceless working places.



BA 12 R shown with EASY PUSH KIT



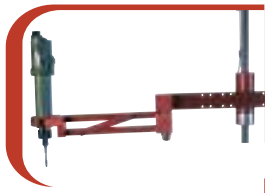
Model	Maxi torque	Tool diameter	Maxi load	Code
BA 12 R	12 Nm	25-40 mm	1.2 kg	1200069
BA 25 R	25 Nm	28-52 mm	2.2 kg	1200070
BA 40 R	40 Nm	28-52 mm	2.2/4 kg*	1200071
BA 100 R	100 Nm	28-52 mm	3.5/6 kg*	1200072

Maximum workstation coverage (R maxi)
(recommended maximum workstation coverage with an arm inclination of 22.5° and an arm angle of 120°)

BA 12 R: 445 mm BA 40 R: 630 mm
BA 25 R: 445 mm BA 100 R: 715 mm

*With additional balancer - code **1200143**

► Accessories



Model	For	Tool diameter	Code
Clamp for straight tool	BA 12 R	25-40 mm	I200083
Clamp for straight tool	BA 25 & 40 R	28-52 mm	I200084
Clamp for straight tool	BA 100 R	28-52 mm	I200086

Model	For	Tool diameter	Code
Clamp for pistol tool	BA 12 R	25-40 mm	I200087
Clamp for pistol tool	BA 25 & 40 R	28-52 mm	I200088



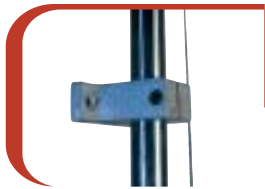
Model	For	Tool diameter	Code
Clamp for angle tool	BA 12 R	25-40 mm	I200089
Clamp for angle tool	BA 25 & 40 R	28-52 mm	I200090
Clamp for angle tool	BA 100 R	28-52 mm	I200091

Model	For	Tool diameter	Code
Rotating clamp	BA 12 R	25-40 mm	I200093
Rotating clamp	BA 25 & 40 R	28-52 mm	I200094



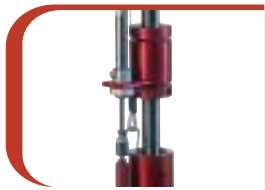
Model	For	Tool diameter	Code
Nipple clamp	BA 12 R	3/8 G connector	I200092

Model	For	Code
Inverse mounting kit	BA 12 & 25 R	I200128
Inverse mounting kit	BA 40 & 100 R	I200129



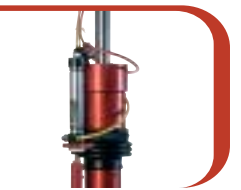
Model	For	Center distance diameter	Code
Pole upper clamp	BA 12 & 25 R	2 Ø 4.3 Center distance 45 mm	I200130
Pole upper clamp	BA 40 & 100 R	2 Ø 5.3 Center distance 60 mm	I200131

► Downward assistance kits



Model	For	Pushing force	Stroke	Type	Code
EASY PUSH	BA 12 R	5 kg	125 mm	pneumatic	I200099
EASY PUSH	BA 25 R	9 kg	160 mm	-	I200102
EASY PUSH	BA 40 & 100 R	9 kg	200 mm	-	I200103
EASY PUSH	BA 40 & 100 R	15 kg	200 mm	-	I200144
EASY PUSH	BA 100 R	25 kg	200 mm	-	I200145
EASY PUSH	BA 12 R	5 kg	125 mm	electric	I200109
EASY PUSH	BA 25 R	9 kg	160 mm	-	I200110
EASY PUSH	BA 40 & 100 R	9 kg	200 mm	-	I200111
EASY PUSH	BA 40 & 100 R	15 kg	200 mm	-	I200146
EASY PUSH	BA 100 R	25 kg	200 mm	-	I200147

Model	For	Pushing force	Type	Code
BAPER	BA 12 R	5 kg	pneumatic	I200095
BAPER	BA 25 R	8 kg	-	I200096
BAPER	BA 40 & 100 R	8 kg	-	I200097
BAPER	BA 12 R	5 kg	electric	I200105
BAPER	BA 25 R	8 kg	-	I200106
BAPER	BA 40 & 100 R	8 kg	-	I200107



Model	For	Code
Safety kit	BA 12 & 25 R	I200134
Safety kit	BA 40 & 100 R	I200135

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