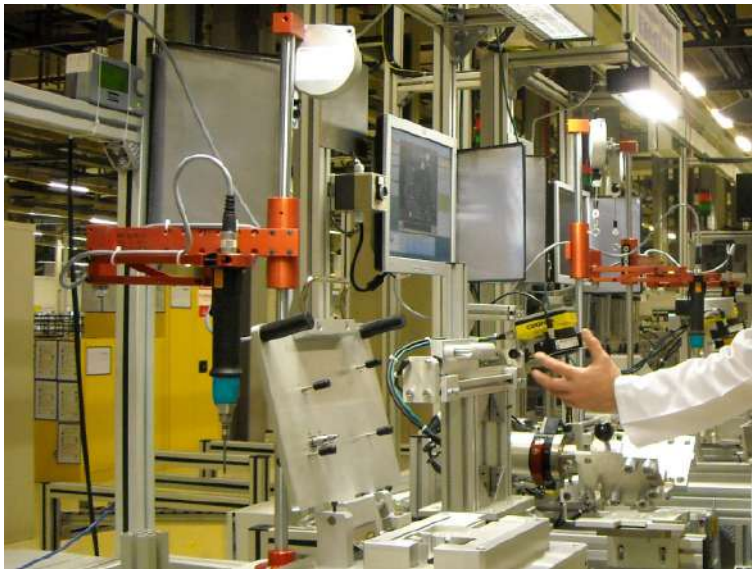
DOGA®
Productive solutions



ERGONOMICS AND WORKSTATIONS



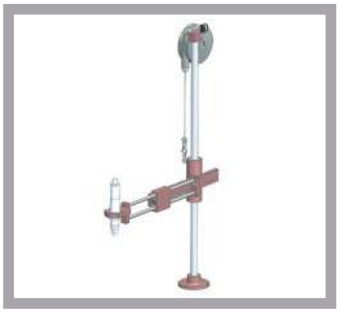
Torque Reaction systems and Posi-Control systems

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DOGA®
Productive solutions



The range



TORQUE REACTION ARMS (p.4 to 33)

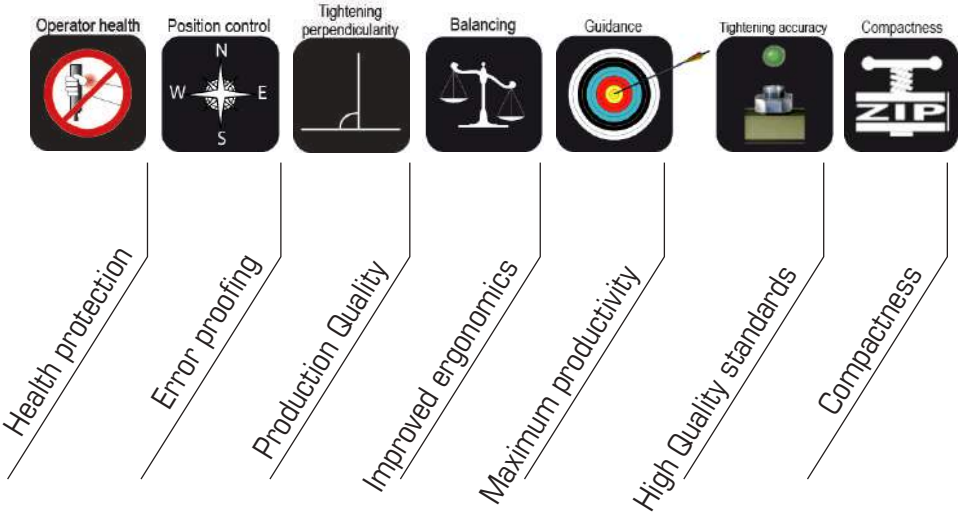
A comprehensive range of torque reaction systems to decrease employee injuries and boost your productivity.



POSI CONTROL SYSTEM (p.34 to 47)

Error proofing and sequencing systems for zero fault assembly process. Automation devices management on your assembly line.

Pictograms



Torque Reaction systems

The widest range of reaction arms to meet your various demanding requirements.

Page 4 to 9 • Linear reaction arms BA Series
Page 10 to 11 • Travelling arms BA…C Series
Page 12 to 19 • Articulated arms BA…R Series
Page 20 to 21 • Articulated and air balanced pantograph arm BA…G Serie
Page 22 to 28 • Telescoping arms DMF/DMFI Series
Page 27 • Special solutions
Page 28 to 33 • Suspended arms SLIDER Series

BA…



BA…R



DMF…



BA…C

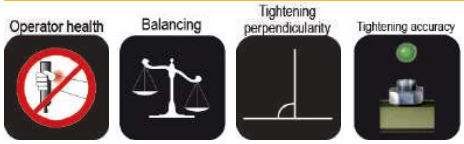


SLIDER…



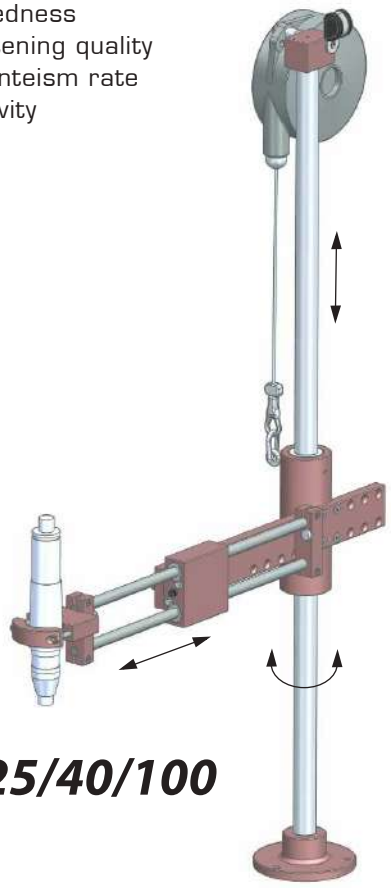
Linear Arms

BA Series

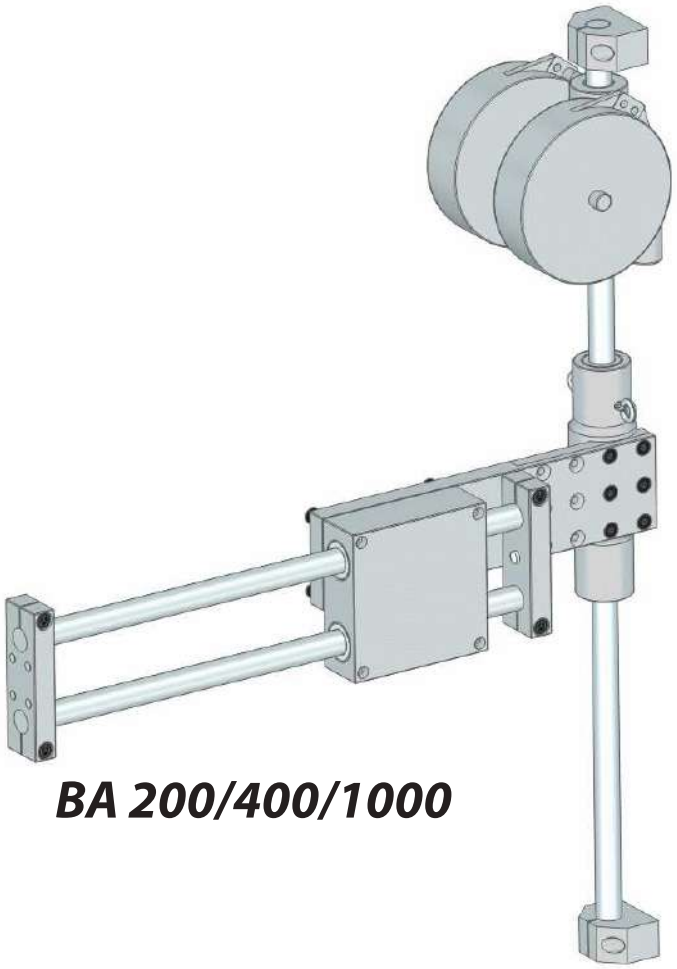


BA Series : Smooth tightening operation and perfect perpendicularity until 100 Nm.

- Erase torque reaction
- Ensure perfect perpendicularity
- Avoid illnesses
- Suppress the tiredness
- Improve the tightening quality
- Reduce the absenteism rate
- Improve productivity



BA 5/12/25/40/100



BA 200/400/1000

Model	Torque max (Nm)	Tool Ø (mm)	Stroke	Load max (kg)	Code
BA 5	5	25 - 42	200	0,9	**4-1200085**
BA 12	12	25 - 50	225	1,2	**4-1201000**
BA 25	25	28 - 52	250	2,2	**4-1200076**
BA 40	40	28 - 52	295	2,2/4*	**4-1200067**
BA 100	100	28 - 52	330	3,5/6*	**4-1200068**

** With additional balancer - **Code : 4-1200143** (see page 6)*

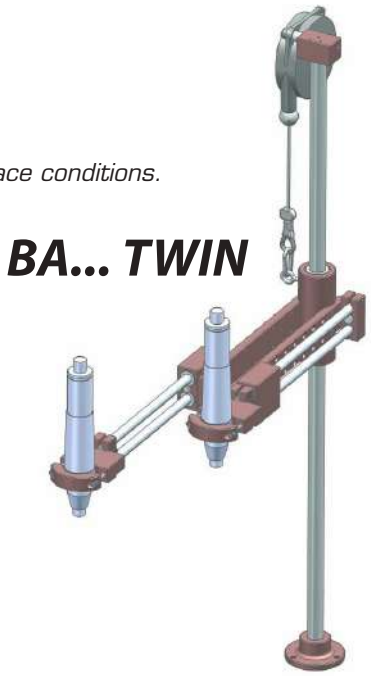
Model	Torque max (Nm)	Stroke	Load max (kg)	Code
BA 200	200	345	8	**4-1201092**
BA 400	400	400	12	**4-1201093**
BA 1000	1000	400	16	**4-1201094**

BA 200/400/1000 are delivered without clamp, floor post and non anodized.

Linear Arms

BA...TWIN Series

BA...TWIN model is an ideal solution when two screwdrivers are used in limited space conditions.



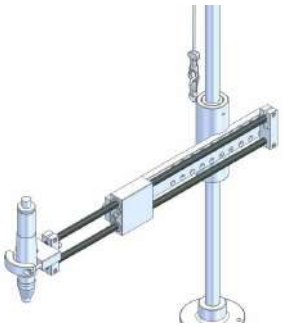
Model	Torque max (Nm)	Tool Ø (mm)	Stroke	Load max (kg)	Code
BA 12 T	12	25 - 42	225	2	**4-1200823**
BA 25 T	25	28 - 52	250	3	**4-1200824**
BA 40 T	40	28 - 52	295	4	**4-1200825**
BA 100 T	100	28 - 52	330	6	**4-1283105**

BA Accessories



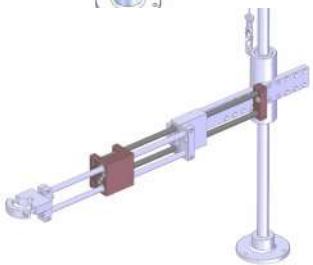
Anti rotation clamp

For	Code
BA 5	**4-1200348**
BA 12 & 25	**4-1200116**
BA 40 & 100	**4-1200117**



Extended slides

For	Stroke	Code
BA 12	+ 130	**4-1200120**
BA 25	+ 130	**4-1200720**
BA 40	+ 170	**4-1200122**
BA 100	+ 200	**4-1200123**



Double slides

For	Stroke	Code
BA 12	+ 230	**4-1200124**
BA 25	+ 210	**4-1200125**
BA 40	+ 295	**4-1200126**
BA 100	+ 330	**4-1200127**

Linear arms

BA Accessories

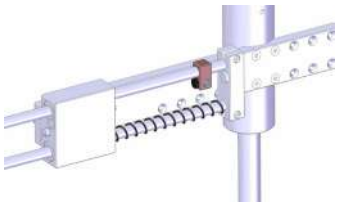


Inverse mounting kit

For	Code
BA 5	**4-1200385**
BA 12 & 25	**4-1200128**
BA 40 & 100	**4-1200129**

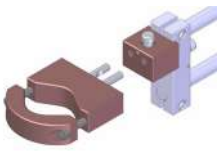
Additional balancing kit

For	Arm max load (Kg)	Code
BA 40	4	**4-1200143**
BA 100	6	**4-1200143**



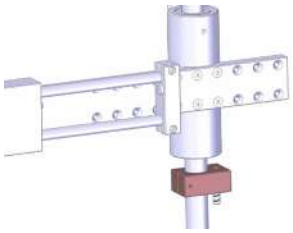
Auto rest position kit

For	Code
BA 5 & 12	**4-1200118**
BA 25 & 40	**4-1200119**



Quick change clamp

For	Adapter code	Clamp code
BA 12	**4-1201109**	**4-1201003**
BA 25	**4-1201110**	**4-1200017**
BA 40	**4-1201111**	**4-1200017**



Height adjusting clamp

For	Code
BA 5	**4-1200421**
BA 12 & 25	**4-1200422**
BA 40 & 100	**4-1200423**



Pole upper clamp

For	Code
BA 12 & 25	**4-1200130**
BA 40 & 100	**4-1200131**

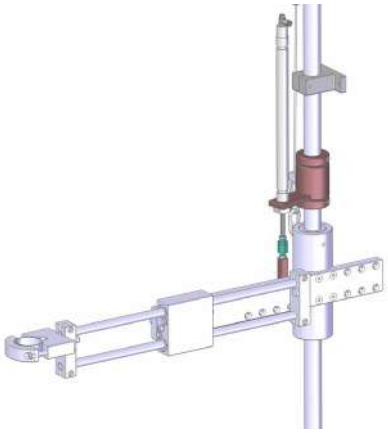


Floor post

For	Code
BA 100/200/400	**4-1201096**
BA 1000	**4-1201097**

Downward Assistance Kits

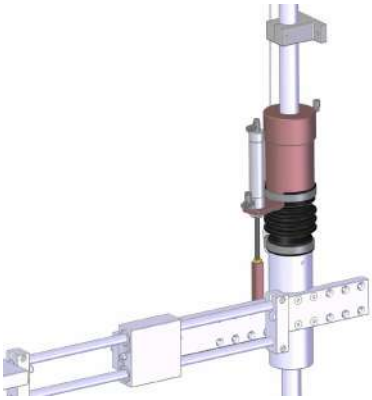
Downward Assistance Kits will provide you with Extreme Comfort and productivity increase. Ideal for self-tapping applications it requires no effort from the operator. BAPER system features a built-in collect chuck that allows the system to be used at any height. Easy Push system operates only at a preset height by using a mechanical stop that is set along.



EASY PUSH

Model	For	Pushing force (Kg)	Stroke (mm)	Type	Code
EASY PUSH	BA 12	5	125	Pneumatic	**4-1200099**
EASY PUSH	BA 25	9	160	-	**4-1200102**
EASY PUSH	BA 40 & 100	9	200	-	**4-1200103**
EASY PUSH	BA 40 & 100	15	200	-	**4-1200144**
EASY PUSH	BA 100	25	200	-	**4-1200145**
EASY PUSH	BA 12	5	125	Electric	**4-1200838**
EASY PUSH	BA 25	9	160	-	**4-1200839**
EASY PUSH	BA 40 & 100	9	200	-	**4-1200840**
EASY PUSH	BA 40 & 100	15	200	-	**4-1200841**
EASY PUSH	BA 100	25	200	-	**4-1200842**
Easy Push Cable/GX					**4-1200843**
Easy Push Cable/DELVO					**4-1200844**
Cable without connector (for 5/9 kg pushing force)					**4-1200845**
Cable without connector (for 15/25 kg pushing force)					**4-1200846**
U3-D Interface for GX screwdrivers					**6-1041888**

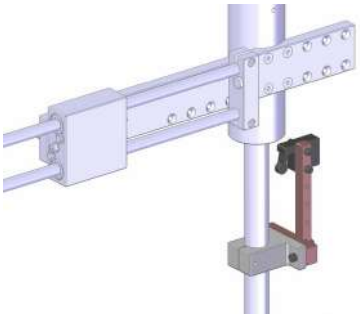
EASY PUSH kits are delivered without cable.



BAPER

Model	For	Pushing force (Kg)	Type	Code
BAPER	BA 12	5	Pneumatic	**4-1200095**
BAPER	BA 25	9	-	**4-1200096**
BAPER	BA 40 & 100	9	-	**4-1200097**
BAPER	BA 12	5	Electric	**4-1200830**
BAPER	BA 25	9	-	**4-1200831**
BAPER	BA 40 & 100	9	-	**4-1200832**
BAPER Cable/GX				**4-1200833**
BAPER Cable/DELVO				**4-1200834**
Cable without connector				**4-1200835**
U3-D Interface for GX screwdrivers				**6-1041888**

Electric BAPER kits are delivered without cable.



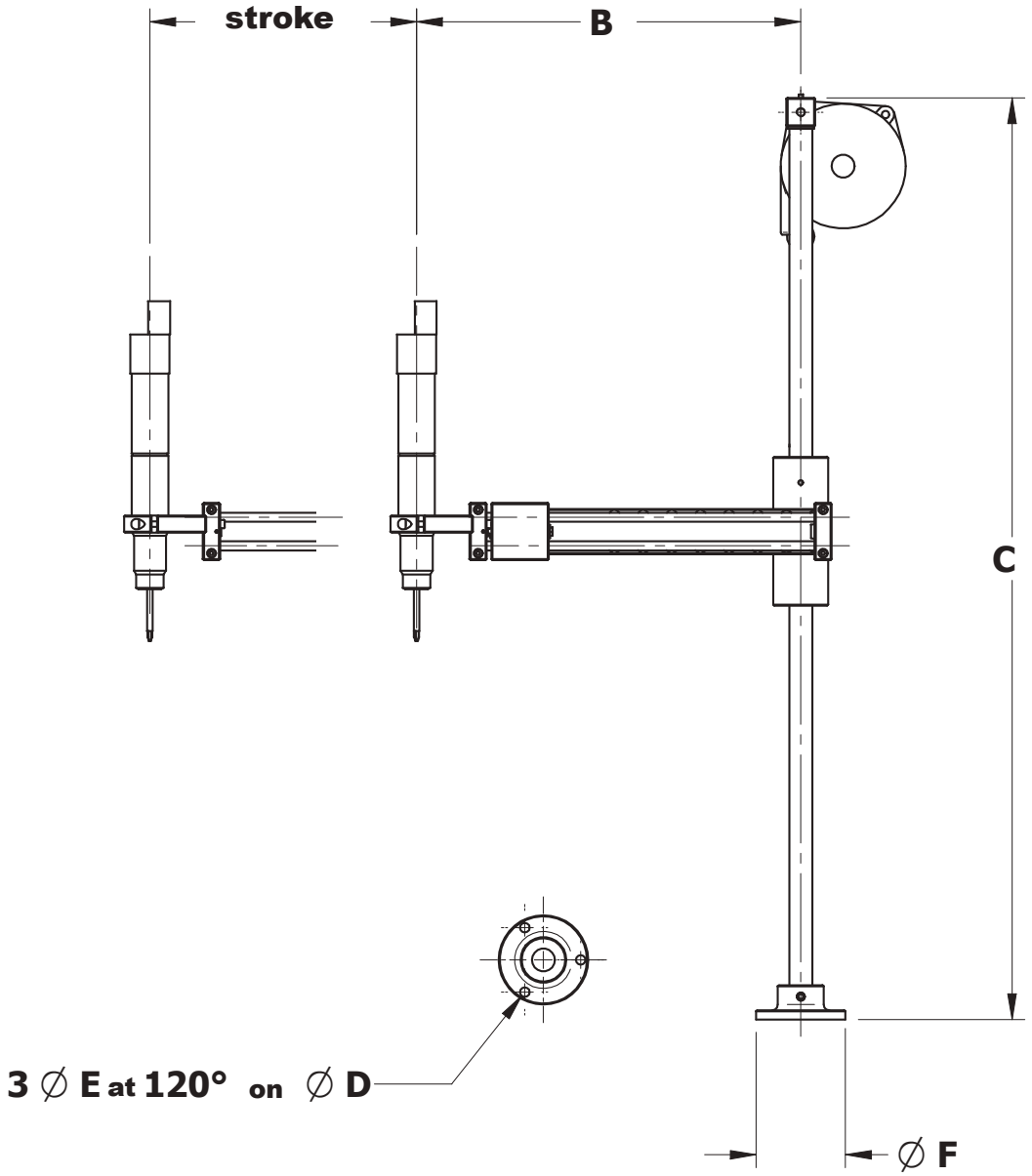
Safety kit

For	Code
BA 12 & 25	**4-1200134**
BA 40 & 100	**4-1200135**

The safety kit allows to avoid activation of downward assistance before powerbit gets in contact with the screw.

Linear arms

BA 5 to 100 Dimensions

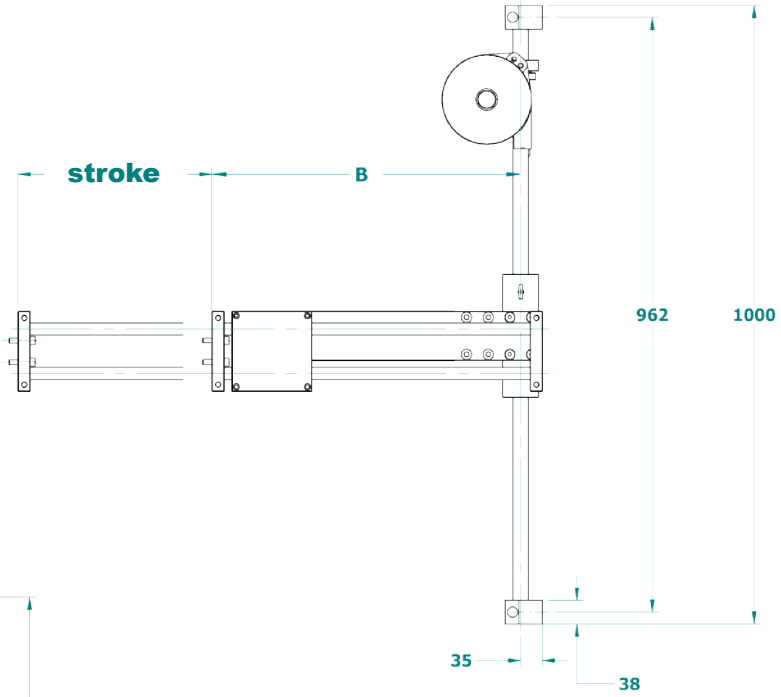


BA Dimensions

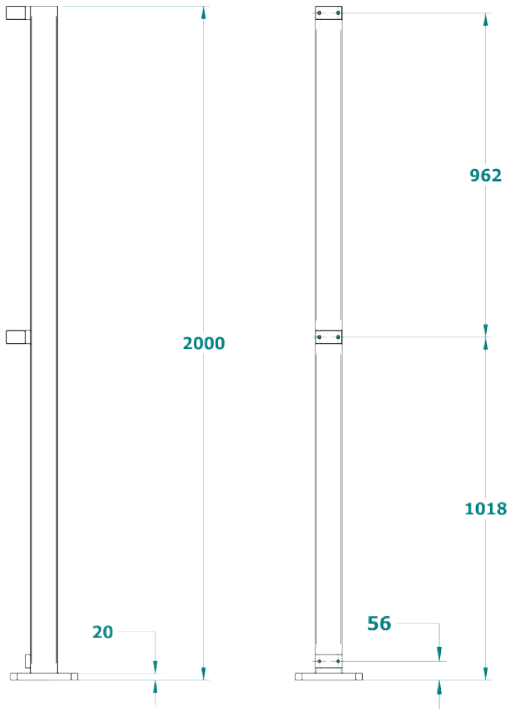
Model	Stroke A	B		C	D	E	F
		Min	Max				
BA 5	200	222	302	705	65	8,5	78
BA 12	225	186	336	805	65	8,5	78
BA 25	250	221	396	908	65	8,5	78
BA 40	295	260	460	1008	100	8,5	118
BA 100	330	315	515	1008	126	10,5	148

Linear arms

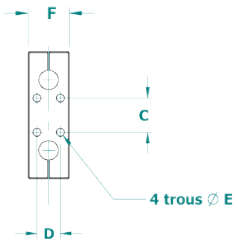
BA 200 / 400 Dimensions



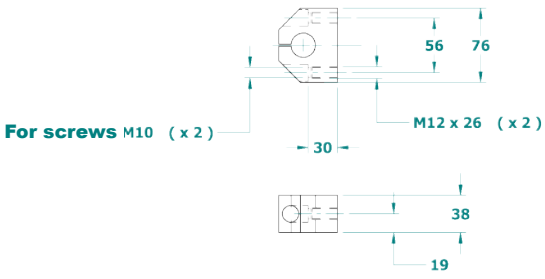
Floor post

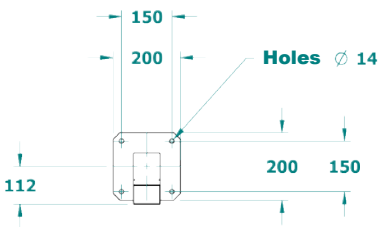


Clamp Mounting Bracket



Coupling flange

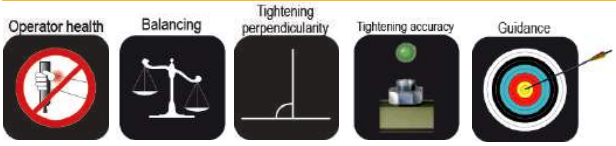




Model	Stroke A	B		C	D	E	F
		Min	Max				
BA 200	349	430	500	35	24	8,2	42
BA 400	390	326	406	40	28	12,2	52

Travelling arms

BA...C Series



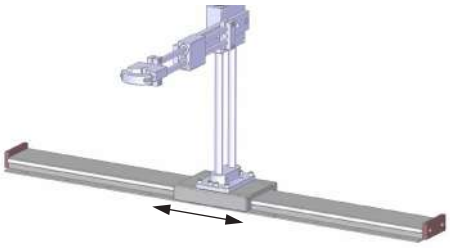
BA...C Series ideal for tightening operations on large surface or with repetitive tightening tasks.

BA 25/60 C



Model	Max torque (mm)	Tool Ø (mm)	Stroke (mm)	Load max (kg)	Code
BA 25 C	25	28-52	250	2,2	**4-1200722**
BA 60 C	60	28-52	350	3/5**	**4-1200451**

Delivered without horizontal rail.
Compatible accessories : extended slides, double slide, automatic rest position (ARP), quick change clamp (see page 5 and 6)
*** With additional balancer - **Code : 4-1200143** BA 40/100*



Rails

Model	Length (mm)	Stroke (mm)	Code
Guiding rail	600	420	**4-1200294**
Guiding rail	1000	820	**4-1200295**
Guiding rail	1500	1320	**4-1200296**
Guiding rail	2000	1820	**4-1200297**

Inverse mounting kit



For	Code
BA 25 C	**4-1200811**
BA 60 C	**4-1200812**

Downward assistance kit

For	Pushing force (kg)	Stroke (mm)	Type	Code
EP 25 P	9	160	Pneu.	**4-1200452**
EP 25 E	9	160	Elect.	**4-1200454**
EP 60 P	9	200	Pneu.	**4-1200453**
EP 60 E	9	200	Elect.	**4-1200455**

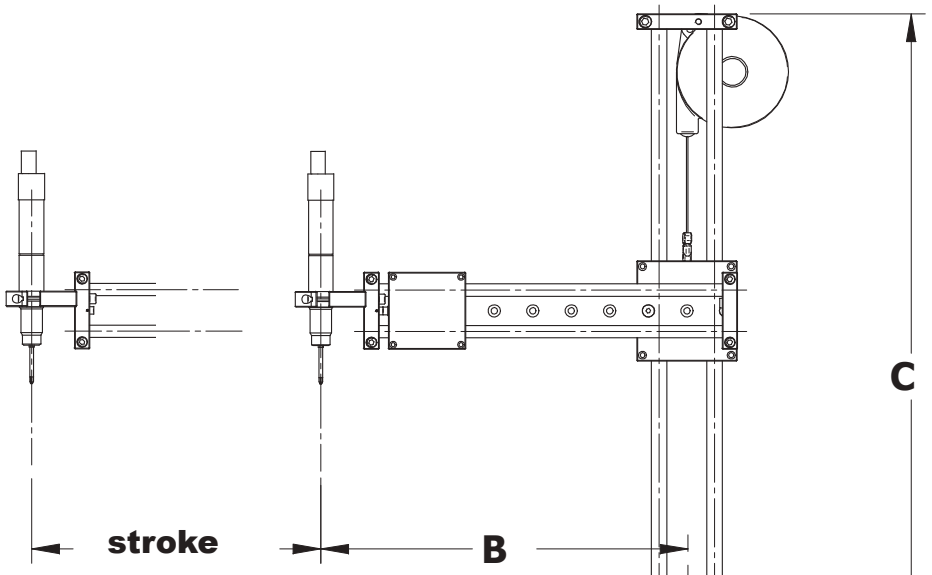


Safety kit

For	Code
BA 25 C	**4-1200390**
BA 60 C	**4-1200391**

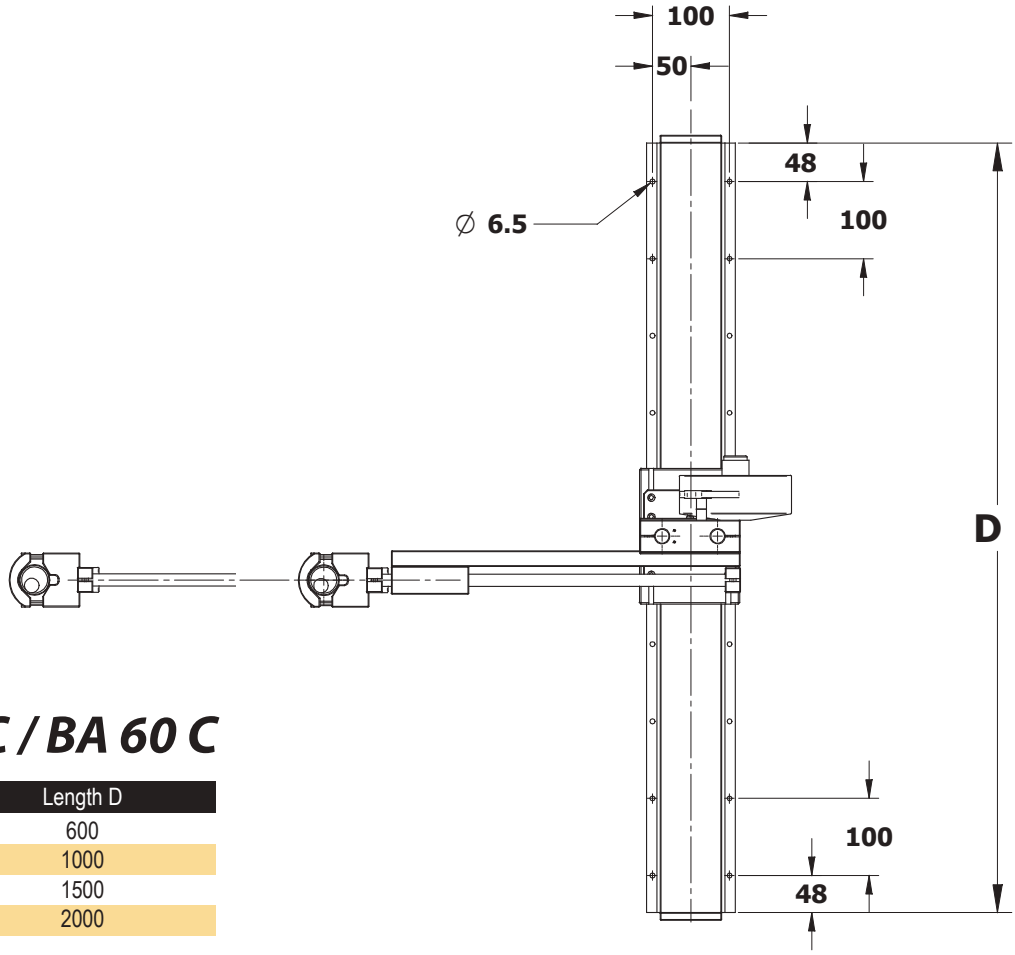
Travelling arms

BA...C Dimensions



BA 25 C / BA 60 C Dimensions

Model	Stroke A	B Min-Max	Length C
BA 25 C	205	207 - 327	737
BA 60 C	330	276 - 476	940

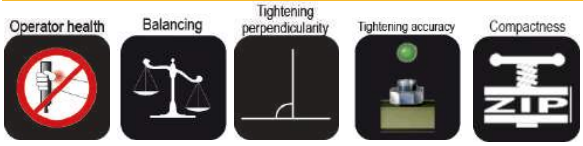


Rails for BA 25 C / BA 60 C

Stroke	Length D
420	600
820	1000
1320	1500
1820	2000

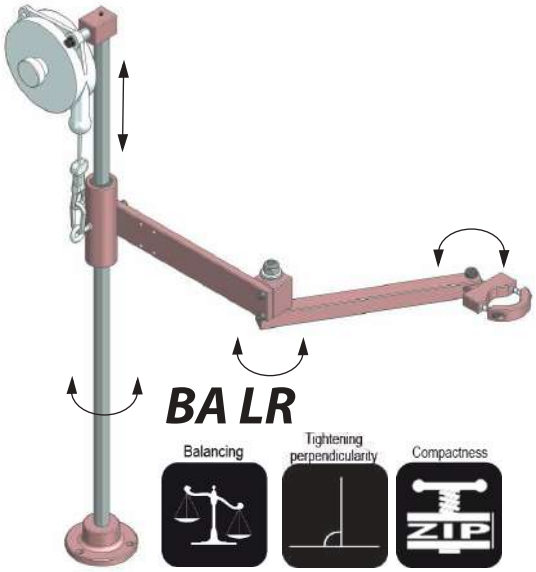
Articulated reaction arms

BA...R Series

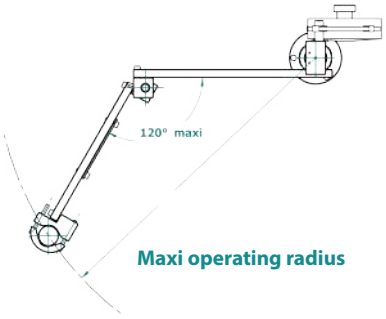


BA...R Series are equipped with a rotating articulation enabling a high working flexibility. Swivelling and folding up like a human arm, they are recommended for spaceless working places.

- 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 positionning accuracy).



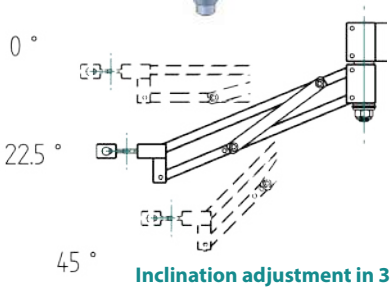
BA LR



Maxi operating radius

BA 5/12/25/40/100 R





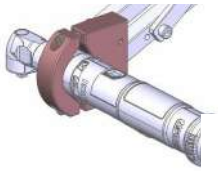
Inclination adjustment in 3 positions

Model	Max torque (Nm)	Tool Ø (mm)	Max load (kg)	Max radius (mm)	Code
BA LR	-	25 - 42	0,9	450	**4-1200826**
BA 5 R	5	25 - 42	0,9	420	**4-1200098**
BA 12 R	12	25 - 50	1,2	450	**4-1201001**
BA 12 R	12	25 - 50	1,2	600	**4-1201002**
BA 25 R	25	28 - 52	2,2	445	**4-1200070**
BA 25 R	25	28 - 52	2,2	600	**4-1200274**
BA 25 R	25	28 - 52	2,2	800	**4-1200275**
BA 40 R	40	28 - 52	2,2 - 4*	630	**4-1200071**
BA 40 R	40	28 - 52	2,2 - 4*	800	**4-1200276**
BA 40 R	40	28 - 52	2,2	1000	**4-1200277**
BA 100 R	100	28 - 52	3,5 - 6*	715	**4-1200072**
BA 100 R	100	28 - 52	3,5 - 6*	900	**4-1200278**
BA 100 R	100	28 - 52	3,5	1100	**4-1200279**

** With additional balancer - **Code : 4-1200143.***
Delivered with standard clamp for straight tool.

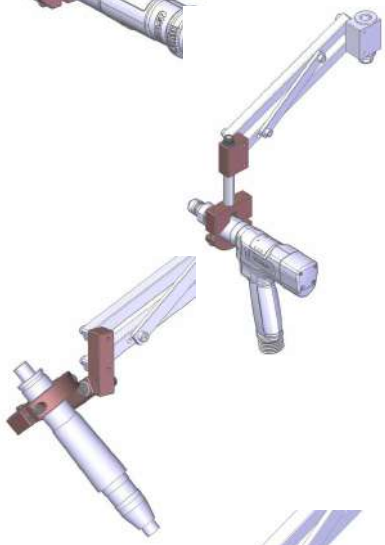
Articulated reaction arms

BA...R Accessories



Clamp for angle nutrunner

For	Tool Ø (mm)	Code
BA 12 R	25 - 42	**4-1200089**
BA 25 & 40 R	28 - 52	**4-1200090**
BA 100 R	28 - 52	**4-1200091**



Clamp for pistol tool

For	Tool Ø (mm)	Code
BA 12 R	25 - 42	**4-1200087**
BA 25 & 40 R	28 - 52	**4-1200088**

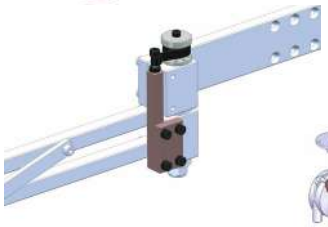
2 axis clamp

For	Tool Ø (mm)	Code
BA 12 R	25 - 42	**4-1200093**
BA 25 & 40 R	28 - 52	**4-1200094**



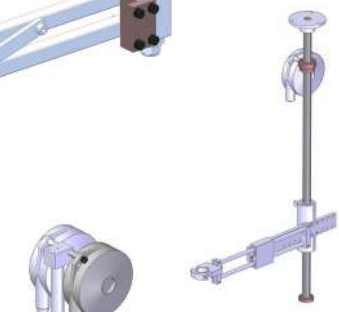
Quick change clamp

For	Adaptater code	Code
BA 12 R	**4-1200847**	**4-1201003**
BA 25 R	**4-1200848**	**4-1200017**
BA 40 R	**4-1200848**	**4-1200017**



Auto rest spring

For	Code
BA 5/12 R	**4-1200849**
BA 25 R	**4-1200850**
BA 40 R	**4-1200851**



Inverse mounting kit

For	Code
BA 5 R	**4-1200385**
BA 12 & 25 R	**4-1200128**
BA 40 & 100 R	**4-1200129**



Additional balancing kit

For	Arm max load (kg)	Code
BA 40 R	4	**4-1200143**
BA 100 R	6	**4-1200143**

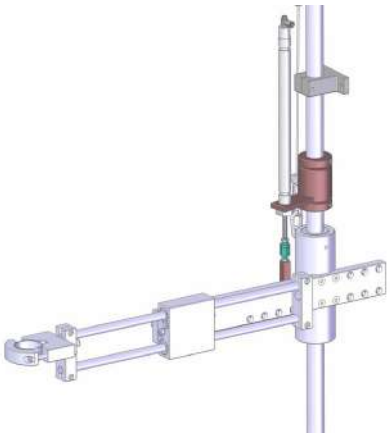


Pole upper clamp

For	Interface (mm)	Code
BA 12 & 25 R	2 Ø 4,3 at 45 mm from pole axis	**4-1200130**
BA 40 & 100 R	2 Ø 5,3 at 60 mm from pole axis	**4-1200131**

Downward assistance kits

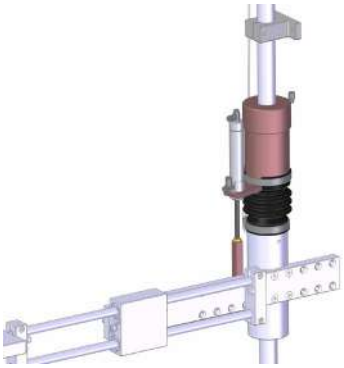
Downward assistance kits will provide you with extreme comfort and productivity increase. Ideal for self-tapping applications it requires no effort from the operator. BAPER system features a built-in collet check that allows the system to be used at any height. Easy push system operates only at a preset height by using a mechanical stop that is set along the pole.



EASY PUSH

Model	For	Pushing force (kg)	Stroke (mm)	Type	Code
EASY PUSH	BA 12 R	5	125	Pneumatic	**4-1200099**
EASY PUSH	BA 25 R	9	160	-	**4-1200102**
EASY PUSH	BA 40 & 100 R	9	200	-	**4-1200103**
EASY PUSH	BA 12 R	5	125	Electric	**4-1200838**
EASY PUSH	BA 25 R	9	160	-	**4-1200839**
EASY PUSH	BA 40 & 100 R	9	200	-	**4-1200840**
Easy Push Cable/GX					**4-1200843**
Easy Push Cable/DELVO					**4-1200844**
Cable without connector					**4-1200845**
U3-D Interface for GX screwdrivers					**6-1041888**

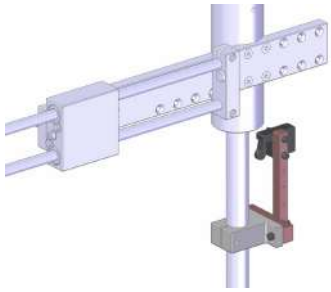
EASY PUSH kits are delivered without cable.



BAPER

Model	For	Pushing force (kg)	Type	Code
BAPER	BA 12 R	5	Pneumatic	**4-1200095**
BAPER	BA 25 R	8	-	**4-1200096**
BAPER	BA 40 & 100 R	8	-	**4-1200097**
BAPER	BA 12 R	5	Electric	**4-1200830**
BAPER	BA 25 R	8	-	**4-1200831**
BAPER	BA 40 & 100 R	8	-	**4-1200832**
BAPER Cable/GX				**4-1200833**
BAPER Cable/DELVO				**4-1200834**
Cable without connector				**4-1200835**
U3-D Interface for GX screwdrivers				**6-1041888**

Electric BAPER kits are delivered without cable.



Safety kit

Model	For	Code
Safety kit	BA 12 & 25 R	**4-1200134**
Safety kit	BA 40 & 100 R	**4-1200135**

The safety kit allows to avoid activation of downward assistance before powerbit gets in contact with the screw.

Articulated reaction arms

BA...R high torque







BA 180 R

Model	Max. torque (Nm)	Max load (kg)	Max radius (mm)	Code
BA 180 R / 1200	180	6	1200	**4-1201095**
BA 180 R / 1500	180	4	1500	**4-1200827**

Delivered without tool clamp, floor post and not anodized.



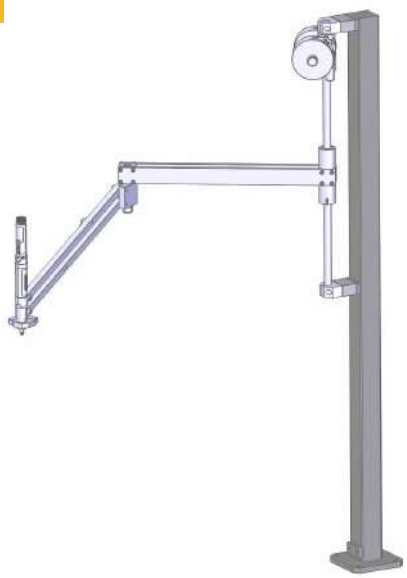
BA 200 R / 500 R

Model	Max. torque (Nm)	Max load (kg)	Max radius (mm)	Code
BA 200 R	200	20	2000	**4-1200828**
BA 500 R	500	40	2000	**4-1200829**
BA 500 R/2500	500	30	2500	**4-1283106**
BA 500 R/3000	500	40	3000	**4-1283107**

Delivered without tool clamp.
Higher capacity on request.

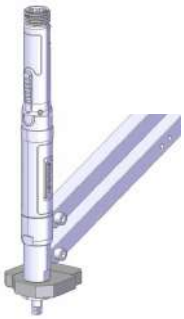
Articulated reaction arms

BA...R high torque accessories



BA 180 R equipped with floor post (optional)

The BA 180 R can be mounted directly on your structure or on an optional post to split on the floor.



Arm/powertools interface for straight tools and for angular tool with BA180R

Code : 4-1201105.

Note : please precise the screwdriver type.



BA100/200/400 and 100/180R Floor Post

Code : 4-1201096.

BA 200R/500R

Numerous options are available to meet your process requirement :
- pneumatic break
- rotating clamp
- controller base plate
- remote start handle

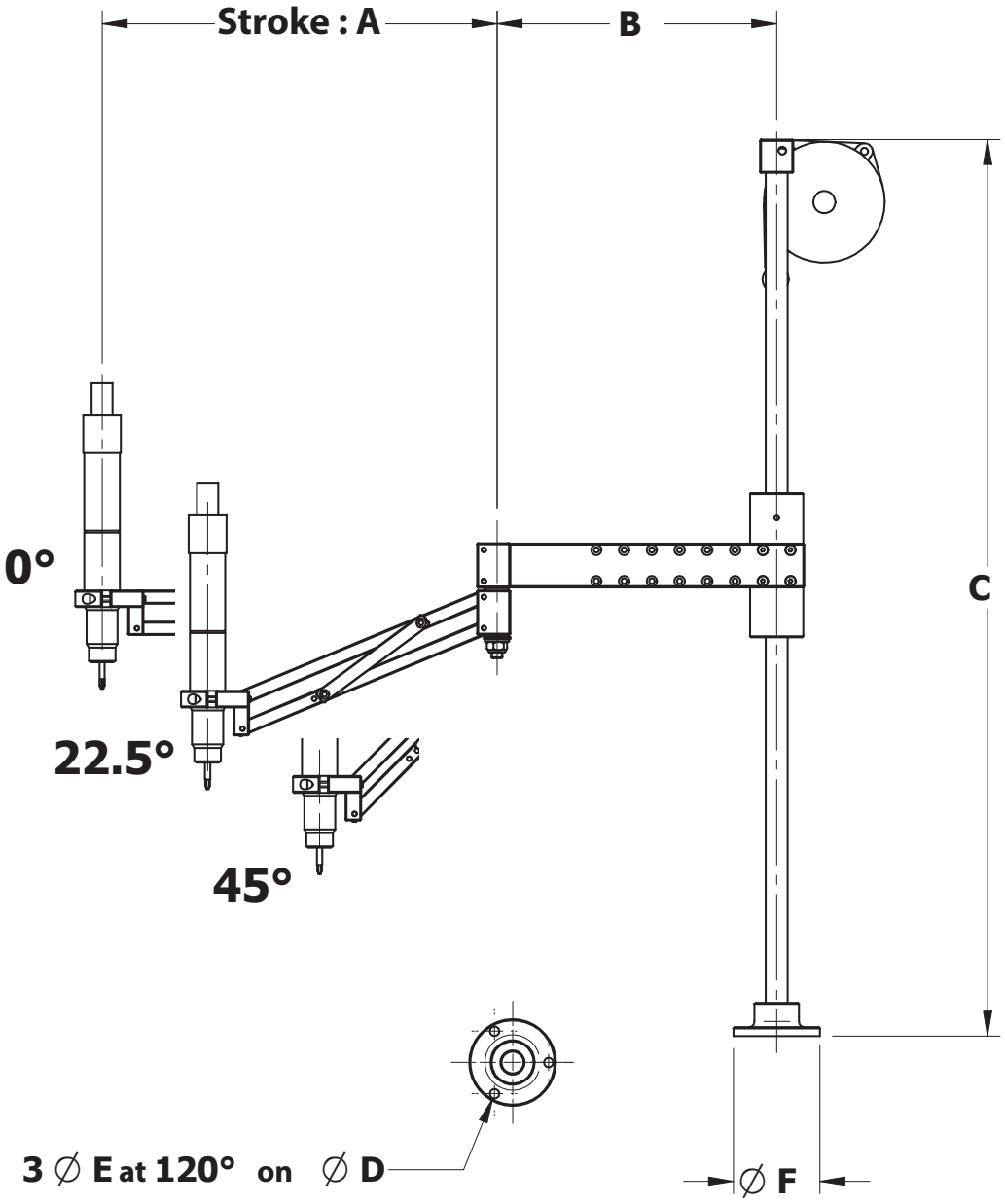
Pneumatic break with rotating clamp (option)





Articulated reaction arms

BA...R 5 to 100 Dimensions



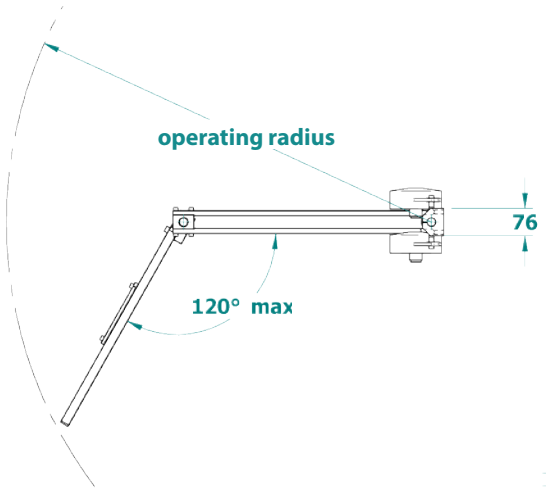
BA...R dimensions

Model	A 0° (mm)	A 22,5° (mm)	A 45° (mm)	B Min	B Max (mm)	C (mm)	Operating radius at 22,5° (mm)
BA 5 R	259	243	192	132	212	705	420
BA 12 R	279	261	209	102	252	808	450
BA 12 R / 600	332	310	247	332	357	808	600
BA 25 R	296	278	227	95	245	908	460
BA 25 R / 600	358	336	271	305	330	908	600
BA 25 R / 800	483	452	360	417	442	908	800
BA 40 R	414	387,5	310,5	150	350	1008	650
BA 40 R / 800	503	470	374	415	415	1008	800
BA 40 R / 1000	640	597	471	520	520	1008	1000
BA 100 R	462	433	351	205	405	1008	730
BA 100 R / 900	564	528	425	470	520	1008	900
BA 100 R / 1100	694	648	517	585	635	1008	1100

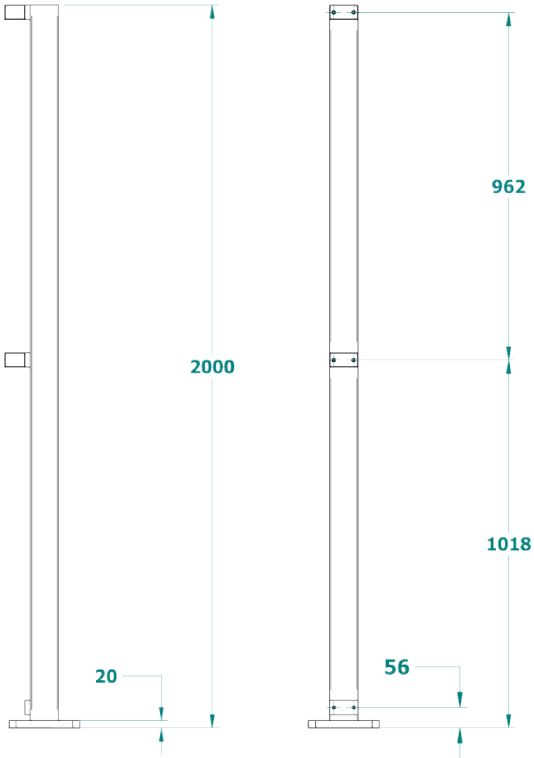
Articulated reaction arms

BA 180 R Dimensions

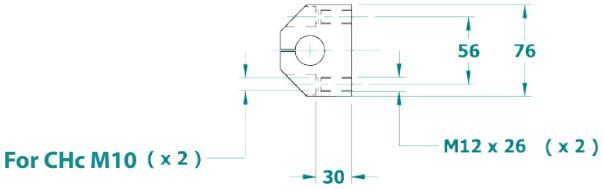
BA 180 R

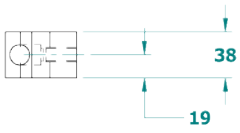


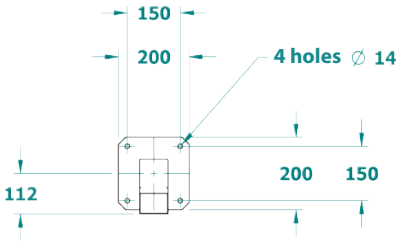
Floor post

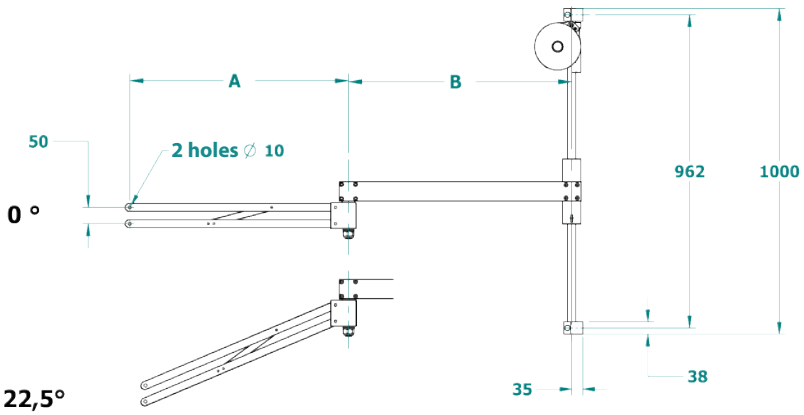


Coupling flange







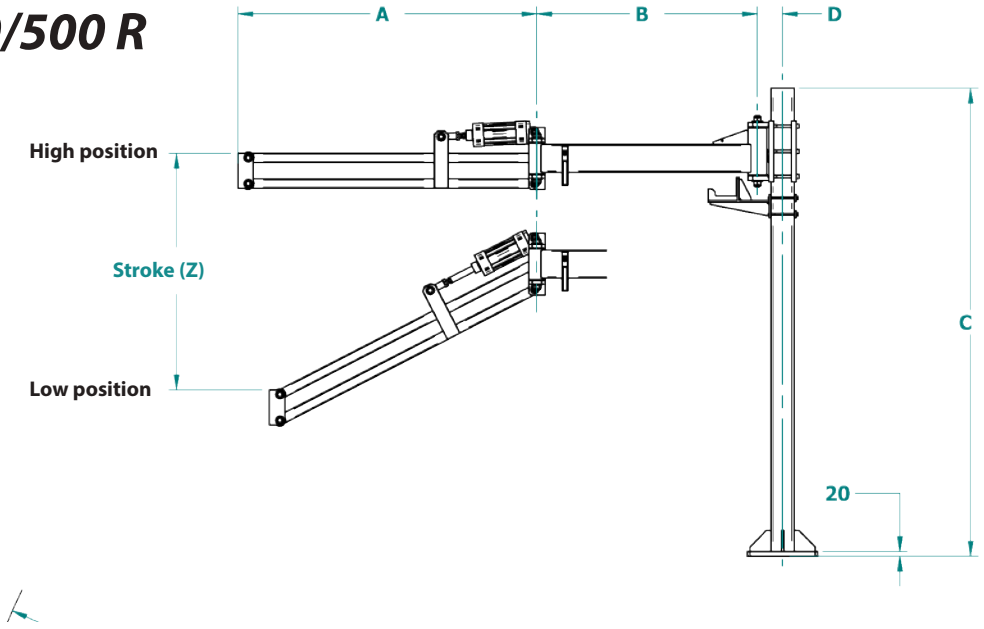


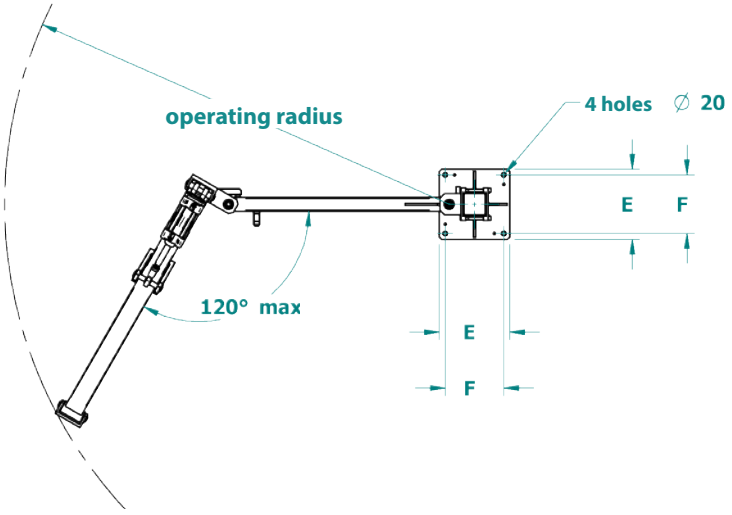
Type	A (0°)	A (22,5°)	B	C	Operating radius
BA 180 R/1200	686	637	700	2000	1200
BA 180 R/1500	820	760	855	2000	1500

Articulated reaction arms

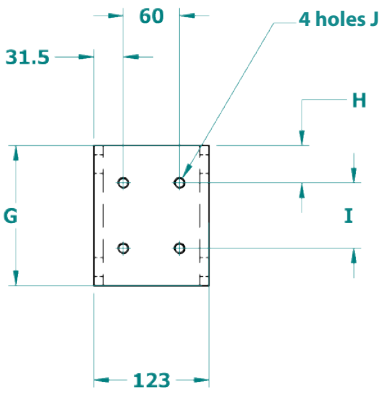
BA 200 & 500 R Dimensions

BA 200/500 R





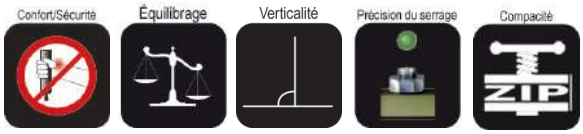
Tool clamp mounting bracket



Model	A (high position)	Z (Stroke)	B	C	D	E	F	G	H	I	J	K	Operating radius
BA 200 R	1278	559	943	2000	108	300	250	150	40	70	M12	108	1900
BA 500 R	1278	559	943	2000	118	400	350	170	45	80	M16	118	1900
BA 500 R/2500	1478	650	1293	2000	118	400	350	170	45	80	M16	118	2400
BA 500 R/3000	1978	1100	1560	2000	118	500	450	170	45	100	M16	118	2900

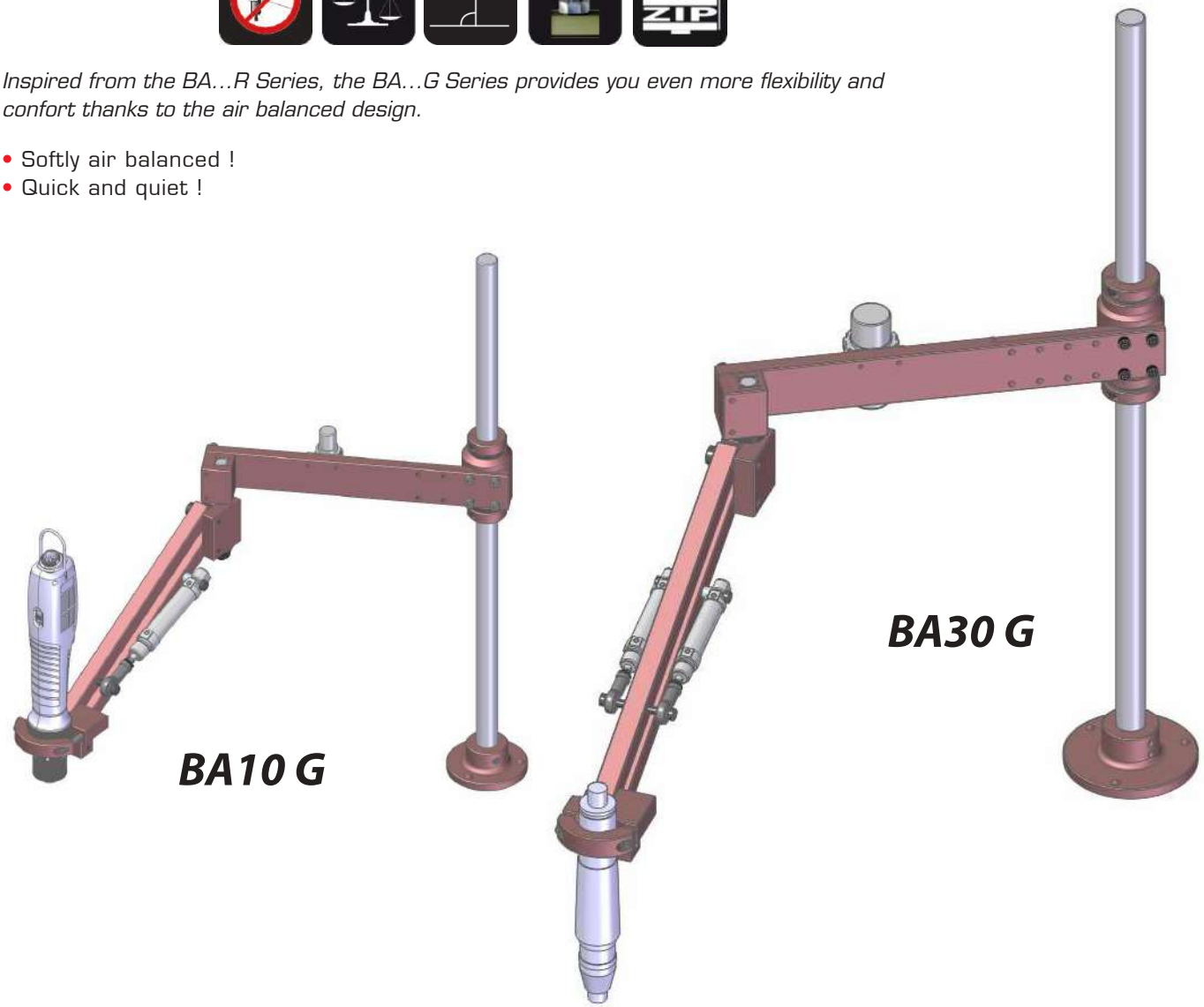
Articulated and air balanced pantograph

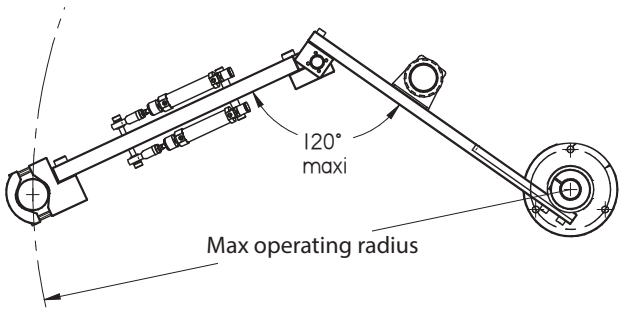
BA...G Series



Inspired from the BA...R Series, the BA...G Series provides you even more flexibility and confort thanks to the air balanced design.

- Softly air balanced !
- Quick and quiet !

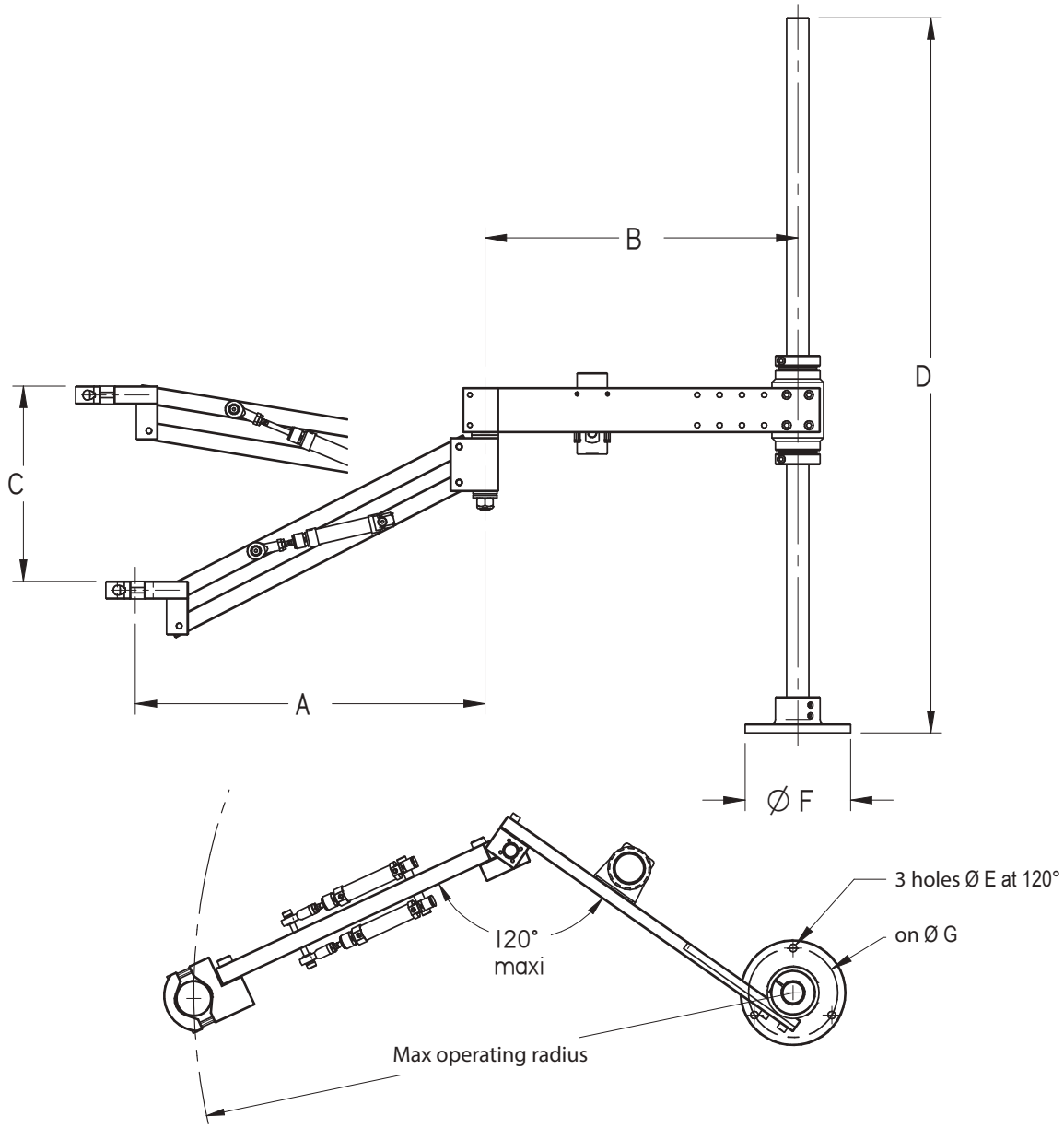




Model	Torque Max (Nm)	Tool Ø (mm)	Vertical Stroke (mm)	Maxi load (Kg)	Max radius (mm)	Code
BA10 G	10	25 - 50	170	1	470	**4-1201013**
BA10 G/600	10	25 - 50	170	1	600	**4-1201014**
BA30 G	30	28 - 52	220	2	670	**4-1201015**
BA30 G/800	30	28 - 52	220	2	800	**4-1201016**

Articulated and air balanced pantograph

BA...G Series



Model	A (down position)	B mini	B maxi	C Vertical Stroke	D	Dim. E	Dim. F	Dim. G	Max radius (mm)
BA10 G	260	202	252	170	600	8,5	78	65	470
BA10 G/600	260	357	407	170	600	8,5	78	65	600
BA30 G	391	250	350	218	800	8,5	118	100	670
BA30 G/800	391	405	505	218	800	8,5	118	100	800

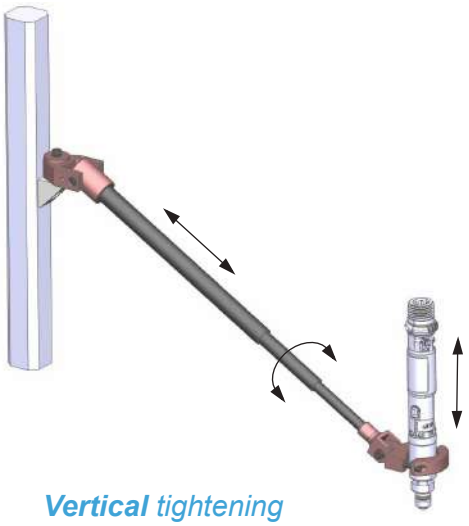
Carbon telescoping arms

DMF/DMFI Series

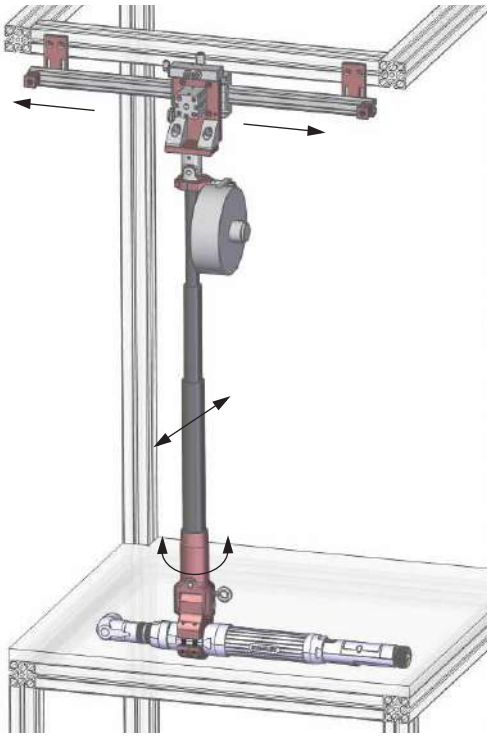


DMF Series : Erase your torque reaction until 300 Nm.

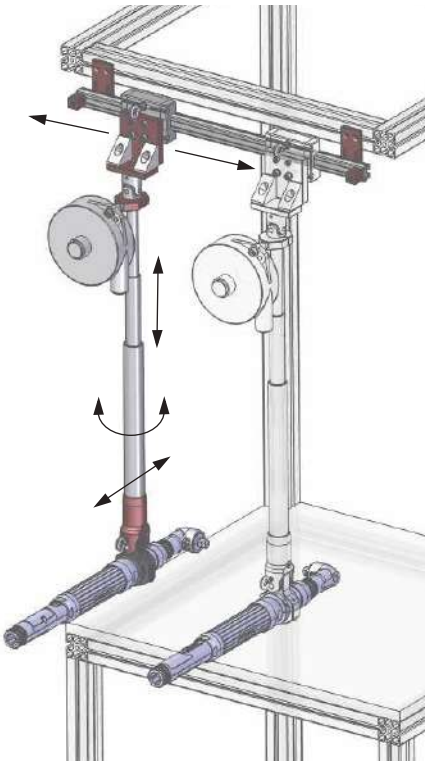
- Comfort : Easy to install on moving assembly line (mountable on existing standard rail). Require little space and doesn't disrupt flow production. Erase torque reaction of power tools.
- Economy : Maintenance free thanks to the carbon fiber (no greasing). Long last of living thanks to the durable carbon fiber.
- Productivity : Easy and quick operator handling thanks to the light weight carbon fiber.



***Vertical** tightening*



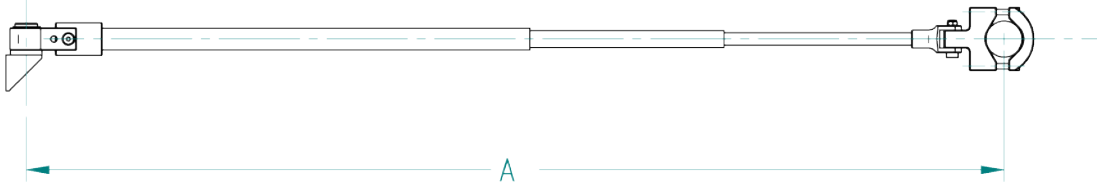
***Frontal** tightening*



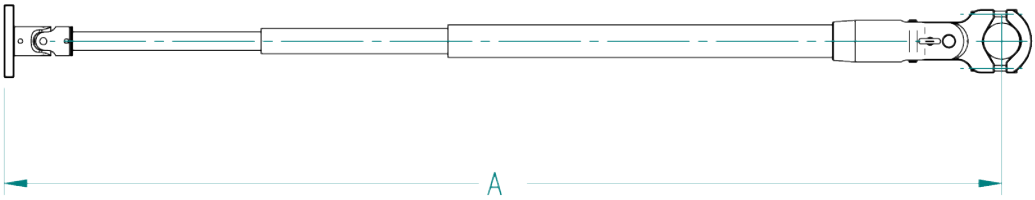
***Side** tightening*

Articulated pantograph

DMF 12/30/300



DMFi 70/120/200



Standard stroke

Model	Max torque (Nm)	Standard clamp	Tool Ø (mm)	A min (mm)	A max (mm)	Code	
						Without clamp	With clamp
DMF 5/950	5	P1	25 - 42	460	950		**4-1200445**
DMF 12/950	12	P1	25 - 50	460	950		**4-1201004**
DMF 12/1500	12	P1	25 - 50	650	1500		**4-1201005**
DMF 12/2000	12	P1	25 - 50	820	2000		**4-1201006**
DMF 30/960	30	P1	28 - 52	475	960	**4-1244000**	**4-1200074**
DMF 30/1500	30	P1	28 - 52	656	1500	**4-1244001**	**4-1200282**
DMF 30/2000	30	P1	28 - 52	823	2000	**4-1244002**	**4-1200283**
DMF 30/2500	30	P1	28 - 52	993	2500	**4-1244003**	**4-1200284**
DMF 30/3000	30	P1	28 - 52	1321	3000	**4-1200813**	**4-1200818**
DMFi 70/1500	70	P2	35 - 52	667	1500	**4-1244004**	**4-1244020**
DMFi 70/2000	70	P2	35 - 52	833	2000	**4-1244005**	**4-1244021**
DMFi 70/2500	70	P2	35 - 52	1000	2500	**4-1244006**	**4-1244022**
DMFi 70/3000	70	P2	35 - 52	1330	3000	**4-1200814**	**4-1200819**
DMFi 120/1500	120	P2	35 - 52	691	1500	**4-1244007**	**4-1244023**
DMFi 120/2000	120	P2	35 - 52	857	2000	**4-1244008**	**4-1244024**
DMFi 120/2500	120	P2	35 - 52	1023	2500	**4-1244009**	**4-1244025**
DMFi 120/3000	120	P2	35 - 52	1347	3000	**4-1200815**	**4-1200820**
DMFi 200/1500	200	P2	Maxi 63	920	1500	**4-1244050**	**4-1244026**
DMFi 200/2000	200	P2	Maxi 63	1170	2000	**4-1244051**	**4-1244027**
DMFi 200/2500	200	P2	Maxi 63	1420	2500	**4-1244052**	**4-1244028**
DMFi 200/3000	200	P2	Maxi 63	1720	3000	**4-1200816**	**4-1200821**
DMF 300/1500	300	P2	Maxi 73	970	1500	**4-1244053**	**4-1244029**
DMF 300/2000	300	P2	Maxi 73	1220	2000	**4-1244054**	**4-1244030**
DMF 300/2500	300	P2	Maxi 73	1470	2500	**4-1244055**	**4-1244031**
DMF 300/3000	300	P2	Maxi 73	1800	3000	**4-1200817**	**4-1200822**

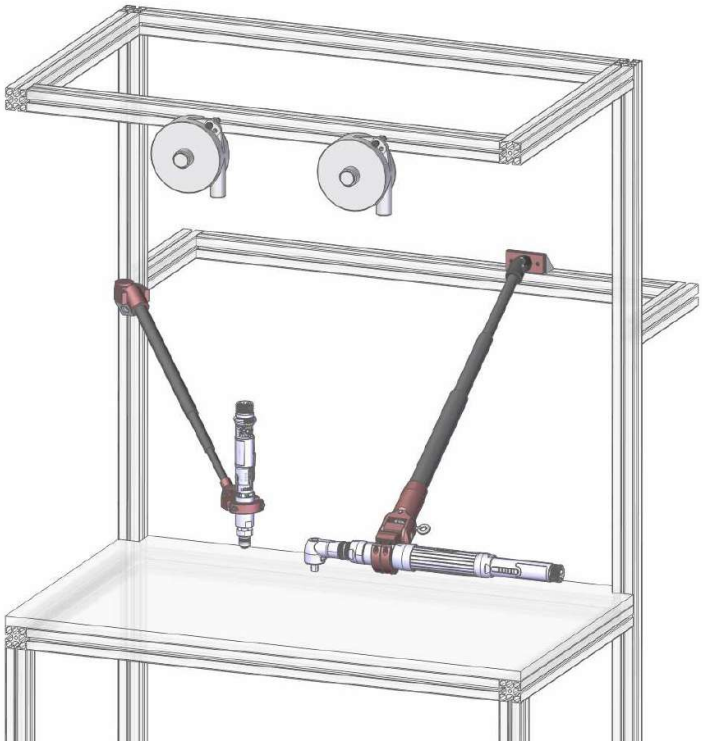
Other dimensions on request (max lenght 4 meters).
Torque up to 600 Nm is available on request.

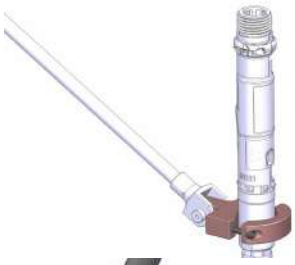
Long stroke (LS)

Model	Max torque (Nm)	Standard clamp	Tool Ø (mm)	A min (mm)	A max (mm)	Code	
						Without clamp	With clamp
DMF 30/1500 LS	30	P1	28 - 52	555	1500	**4-1200852**	**4-1200855**
DMF 30/2000 LS	30	P1	28 - 52	680	2000	**4-1200853**	**4-1200856**
DMF 30/2500 LS	30	P1	28 - 52	805	2500	**4-1200854**	**4-1200857**
DMFi 100/1500 LS	100	P2	35 - 52	592	1500	**4-1201213**	**4-1201221**
DMFi 100/2000 LS	100	P2	35 - 52	717	2000	**4-1201214**	**4-1201222**
DMFi 100/2500 LS	100	P2	35 - 52	842	2500	**4-1201215**	**4-1201223**
DMFi 200/1500 LS	200	P2	Maxi 63	728	1500	**4-1201216**	**4-1201224**
DMFi 200/2000 LS	200	P2	Maxi 63	894	2000	**4-1201217**	**4-1201225**
DMFi 200/2500 LS	200	P2	Maxi 63	1060	2500	**4-1201220**	**4-1201226**

Vertical tightening

DMF/DMFI Series





P1 clamp

For	Clamping	Code
DMF12	Clamp 25/50	**Standard**
DMF30	Clamp 28/52	**Standard**
DMFi 70	Mounting plate interface	**4-1244032**
DMFi 120/200	Mounting plate interface	**4-1244033**

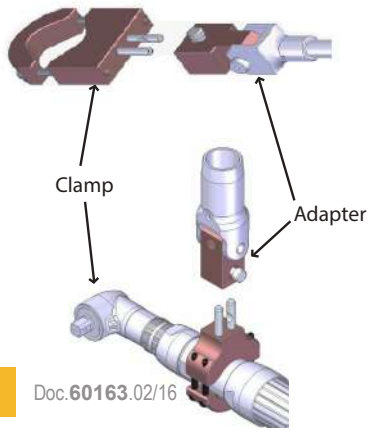


P2 clamp

For	Capacity	Code
DMF30	28/52	**4-1200300**
DMFi70	35/52	**Standard**
DMFi120/200	35/52	**Standard**
DMFi200	63	**Standard**
DMF300	73	**Standard**

Quick release clamp

For	Type	Code
DMF12	P1	**4-1201003**
DMF30	P1	**4-1200017**
DMFi 70	P2	**4-1283102**
DMFi 120/200	P2	**4-1283103**



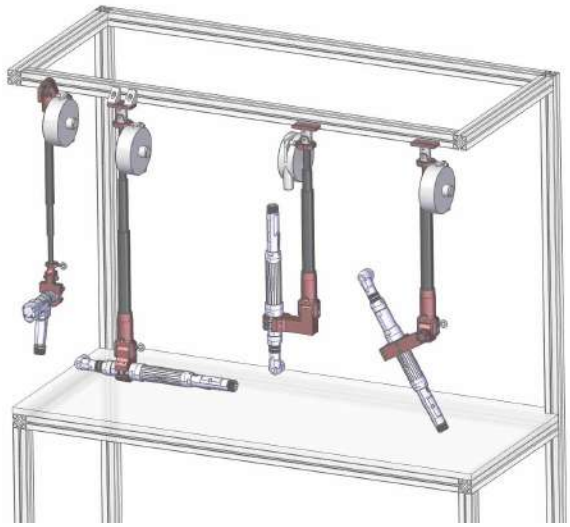
Quick release interface

For	Code
DMF12	**4-1200470**
DMF30	**4-1200471**
DMF70	**4-1283100**
DMF120/200	**4-1283101**

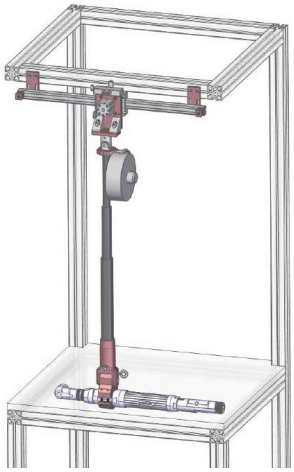
Frontal tightening

DMF/DMFI Series

Fixed mounting



Mounting on rail with locker





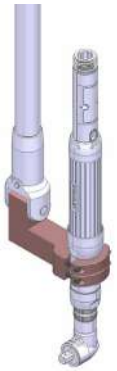
P1 clamp

For	Clamping	Code
DMF12	Clamp 25/50	**Standard**
DMF30	Clamp 28/52	**Standard**
DMFi70	Mounting plate interface	**4-1244032**
DMFi120/200	Mounting plate interface	**4-1244033**
DMF300	Mounting plate interface	**On request**



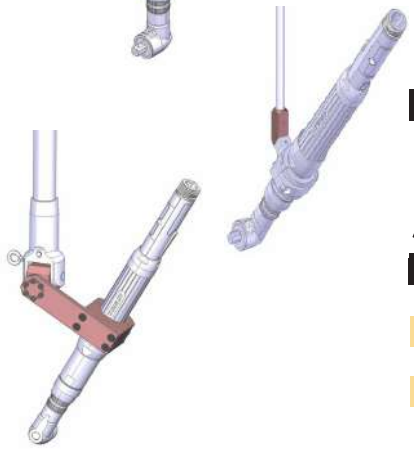
P2 clamp

For	Tool Ø	Code
DMF30	28/52	**4-1200300**
DMFi70	35/52	**Standard**
DMFi120/200	35/52	**Standard**
DMFi200	Max 63	**Standard**
DMF300	Max 73	**Standard**



P4 clamp

For	Tool Ø	Code
DMF30	28/52	**4-1200302**
DMFi70	35/52	**4-1244015**
DMFi120/200	35/52	**4-1244016**
DMFi200	Max 63	**4-1244058**
DMF300	Max 73	**4-1244059**



Tilt interface

For	Tool Ø	Code	
		30°	45°
Interface/DMF30 (for all clamp types)	-	**4-1201140**	**4-1201141**

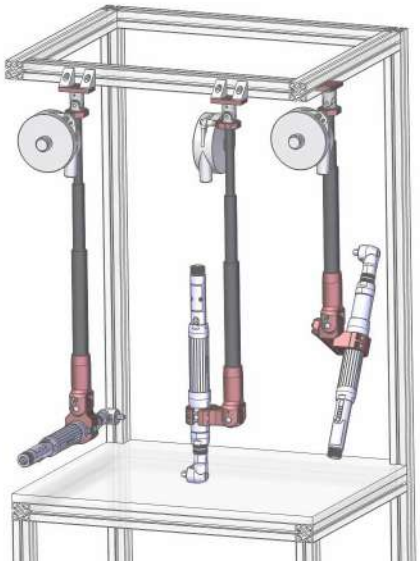
Swivel clamp

For	Tool Ø	Code
DMFi70 P2/P4	35/52	**4-1201137**
DMFi120/200 P2/P4	35/52	**4-1201138**
DMFi200 P2/P4	Max 63	**4-1201139**
DMF300	Max 73	**On request**

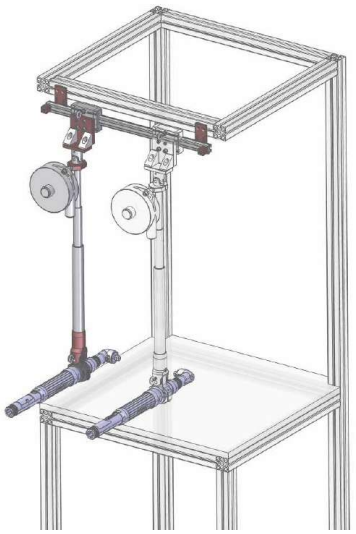
Side tightening

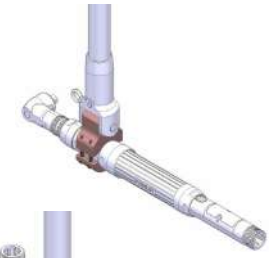
DMF/DMFI Series

Fixed mounting



Mounting on rail













P2 Clamp

For	Tool Ø	Code
DMF30	28/52	**4-1200300**
DMFi70	35/52	**Standard**
DMFi120/200	35/52	**Standard**
DMFi200	Max 63	**Standard**
DMF300	Max 73	**Standard**

P3 Clamp

For	Tool Ø	Code
DMF30	28/52	**4-1200301**
DMFi70	35/52	**4-1244013**
DMFi120/200	35/52	**4-1244014**
DMFi200	Max 63	**4-1244056**
DMF300	Max 73	**4-1244057**

Tilt interface

For	Tool Ø	Code	
		30°	45°
Interface / DMF30	-	**4-1201140**	**4-1201141**

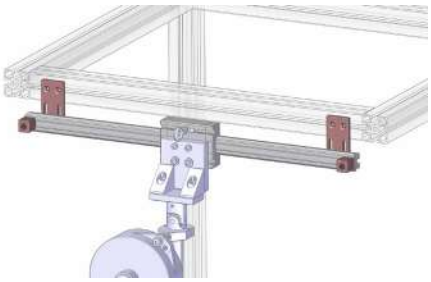
Swivel clamp

For	Tool Ø	Code
DMFi70	35/52	**4-1201137**
DMFi120/200	35/52	**4-1201138**
DMFi200	Max 63	**4-1201139**
DMF300	Max 73	**On request**

Rotating clamp

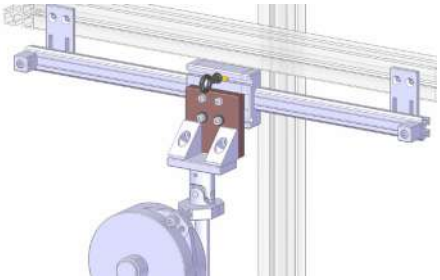
For	Tool Ø	Code
DMF30	On request	**4-1201134**
DMFi70	On request	**4-1244034**
DMFi120/200	On request	**4-1244035**
DMFi200	On request	**4-1244060**
DMF300	On request	**4-1201136**

Mounting on rail



Rails

Length	Stroke	Number of flanges	Code
600	450	2	**4-1200132**
800	650	2	**4-1200160**
1000	850	2	**4-1200161**
1200	1050	3	**4-1200162**
1500	1350	3	**4-1200163**
2000	1850	4	**4-1200164**

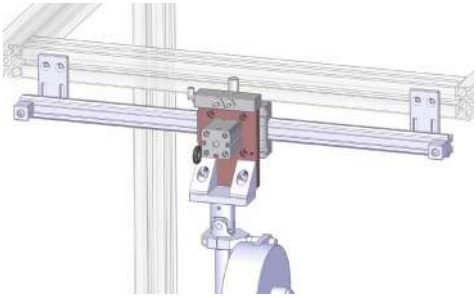


Rail interface

Allows installation of DMF on rail.

For	Code
DMF12/30	**4-1200341**
DMFi70/120/200	**4-1200708**
DMF300	**4-1200342**

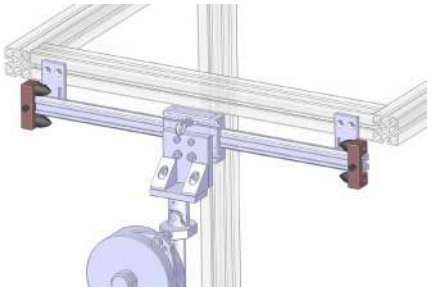
NOTE : delivered without safety hook (**Code 4-1200309**)



Pneumatic locker

For	Type	Code
DMF12/30	Pneumatic	**4-1200442**
DMF12/30	Electric	**4-1200869**
DMFi70/120	Pneumatic	**4-1200706**
DMFi70/120	Electric	**4-1200707**
DMFi200	Electric	**4-1201150**
DMF300	Electric	**4-1201142**

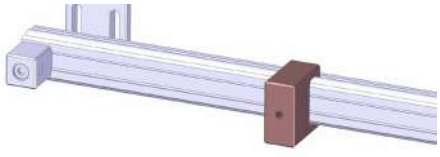
The powertool has to be equipped with a motor run signal.



Absorbing stop

Recommended in case of repeatable side shocks.

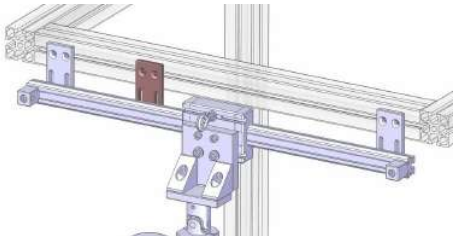
Code 4-1201121 Set of 2



Adjustable stop

To limit the slide of the arm on the rail.

Code 4-1200167



Additional flange

To reintorce the rail installation for high torque applications.

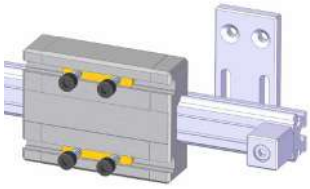
Code 4-1200873

Accessories DMF/DMFi



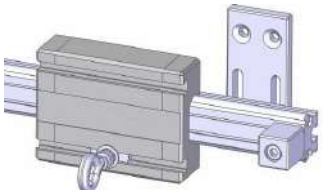
Rail link

To link two rails together.
Code 4-1200307

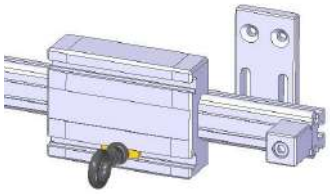


Single trolley

To mount additional tools on the same rail.
- Single trolley **Code 4-1200165**



- Trolley for additional balancer **Code 4-1200166**



Additional safety hook

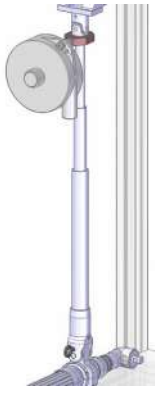
To secure balancer.
Code 4-1200309



Balancing kit for DMF 12/30/300

For	Tool (Kg)	Code
DMF12	1 to 2	**4-1200303**
DMF30	1 to 2,5	**4-1200304**
DMF30	2 to 4	**4-1200305**
DMF300	4 to 8	**4-1200704**
DMF300	6 to 10	**4-1200705**

Balancer attachment kit for DMF30 **Code 4-1201143**

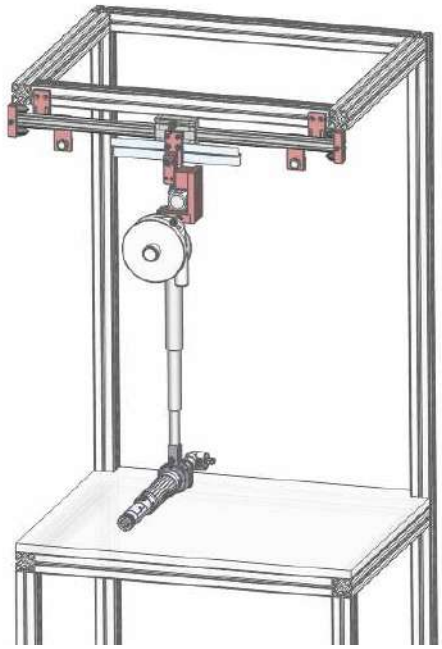


Balancing kit for DMFi 70/120/200

For	Capacity (Kg)	Code
DMFi 70/120/200	2 - 4	**4-1200701**
DMFi 70/120/200	4 - 6	**4-1200702**
DMFi 70/120/200	6 - 8	**4-1200703**

Delivered with balancer attachment kit.

Special arms on request



DMF...PC + horizontal rail with
Additional presence sensors on the rail allow identification of two working zones (right and left). Contact us for more information.



DMF 300 with rotative clamp and balancing kit



DMFi 200 with remote start handle



DMFi 600 with air locker + special tool holder for pistol tool

Suspended arms

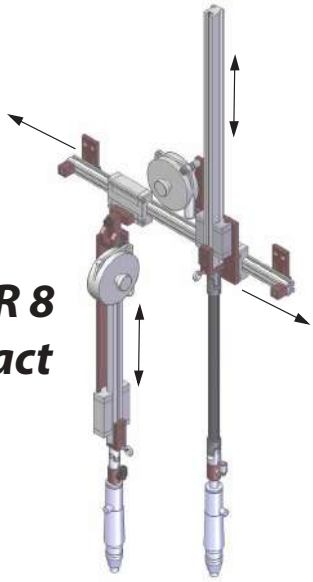
Slider



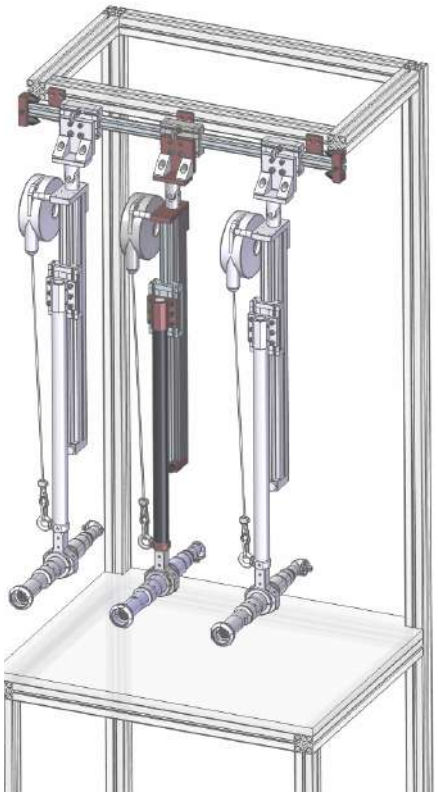
SLIDER Series : Erase your torque reaction until 300 Nm.

• 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 becomes the ideal ergonomical solution on conveyor line.

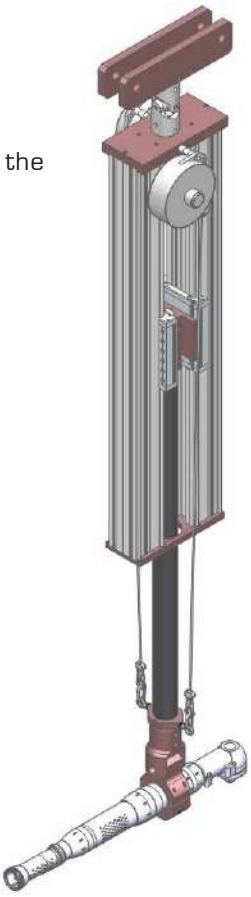
SLIDER 8 compact



SLIDER 8/20



SLIDER 50/150 COMPACT
Tightening vertical/horizontal

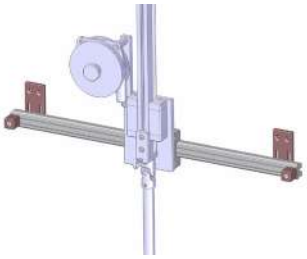


SLIDER 300 COMPACT

Model	Max torque (Nm)	Clamping Ø (mm)	Vertical stroke (mm)	Working radius (mm)	Load (kg)	Code
SLIDER 08	8	1/4" G	450	100	1,2	**4-1200077**
SLIDER 08 COMPACT	8	1/4" G	250	150	1,2	**4-1200179**
SLIDER 20	20	1/4" G	450	100	2,2	**4-1200457**
SLIDER 50 COMPACT 450	50	32 - 52	450		3	**4-1283110**
SLIDER 50 COMPACT 650	50	32 - 52	650		3	**4-1283111**
SLIDER 50 COMPACT 850	50	32 - 52	850		3	**4-1283112**
SLIDER 150 COMPACT 600	150	Max 63	600		5	**4-1283113**
SLIDER 150 COMPACT 800	150	Max 63	800		5	**4-1283114**
SLIDER 150 COMPACT 1000	150	Max 63	1000		5	**4-1283115**
SLIDER 300 COMPACT	300	**On request**	**On request**	**On request**	**On request**	**On request**

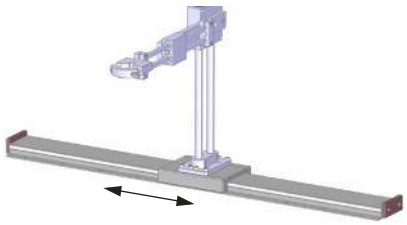
Suspended arms

Options SLIDER



Rails / SLIDER 8/20/50

Length (mm)	Stroke (mm)	Number of flanges	Code
600	450	2	**4-1200132**
800	650	2	**4-1200160**
1000	850	2	**4-1200161**
1200	1050	3	**4-1200162**
1500	1350	3	**4-1200163**
2000	1850	4	**4-1200164**



Rails / SLIDER 150

Model	Length (mm)	Stroke (mm)	Code
Guiding rail	600	420	**4-1200294**
Guiding rail	1000	820	**4-1200295**
Guiding rail	1500	1320	**4-1200296**
Guiding rail	2000	1820	**4-1200297**



Clamp option

Clamp Ø28-52 mm for angle nutrunner for SLIDER 20 ***Code : 4-1200392.***



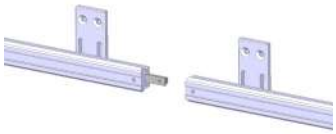
Clamp for straight electric screwdriver

For	Clamping	Tool Ø (mm)	Code
SLIDER 8	On the top of the screwdriver	28 - 52	**4-1200133**
SLIDER 20	On the top of the screwdriver	28 - 52	**4-1200148**



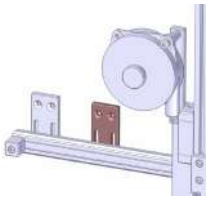
Rotative clamp

For	Clamping Ø (mm)	Code
SLIDER 50 COMPACT	35 - 52	**4-1283116**
SLIDER 150 COMPACT	Max 63	**4-1283117**



Rail link

To link two rails together. **Code 4-1200307**



Additional flange

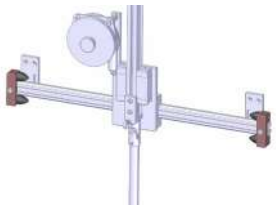
To reintorce the rail installation for high torque applications.

Code 4-1200873

Rail interface

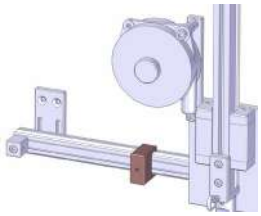
For	Code
Rail interface for SLIDER50	**4-1200708**
Rail interface for SLIDER150	**4-1200009**

SLIDER 8/8 COMPACT/20 Dimensions



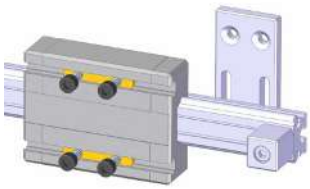
Absorbing stop

Recommended in case of repeatable side shocks.
Code 4-1201121 Set of 2



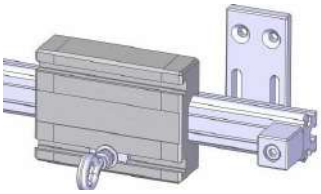
Adjustable stop

To limit the slide of the arm on the rail.
Code 4-1200167

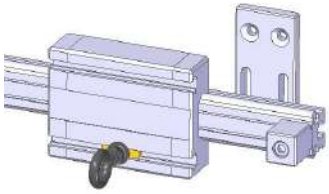


Single trolley

To mount additional tools on the same rail.
- Single trolley **Code 4-1200165**



- Trolley for additional balancer **Code 4-1200166**

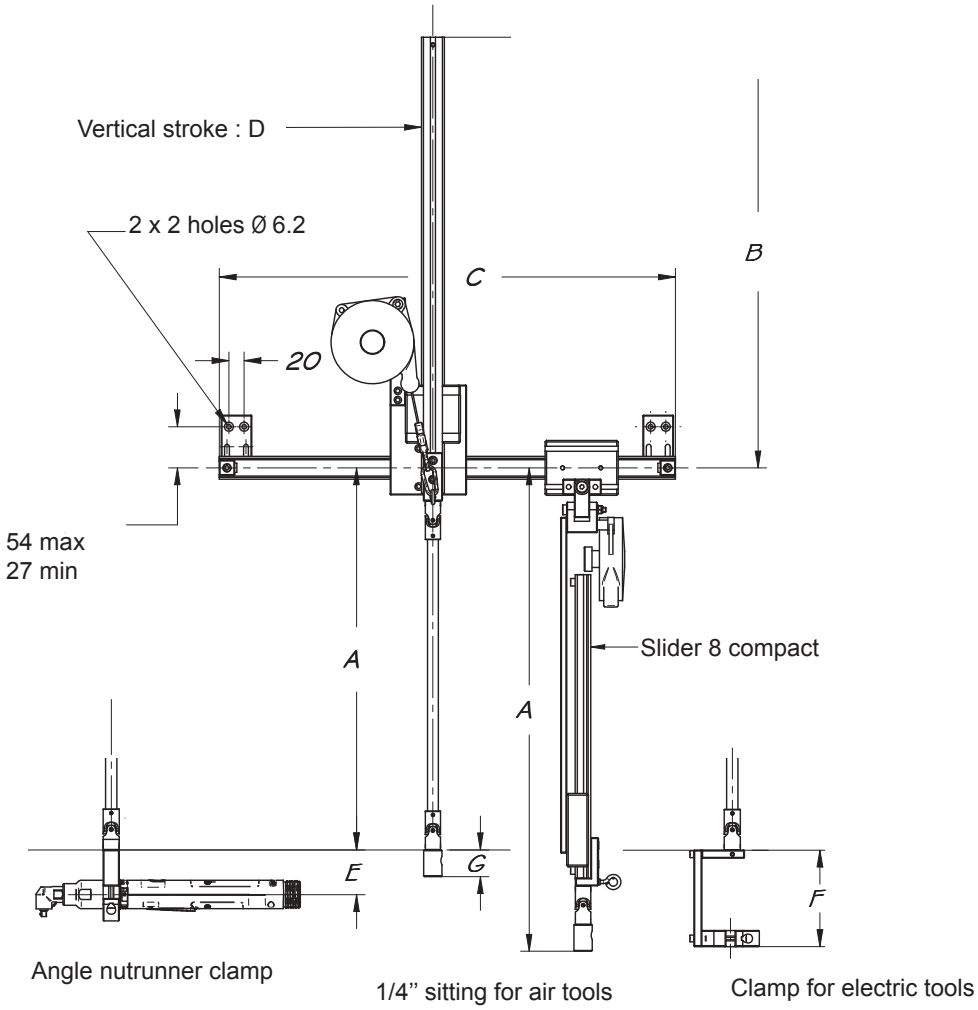


Additional safety tool hook

To secure balancer. **Code 4-1200309**

Suspended arms

SLIDER 8/20 Dimensions



Dimensions

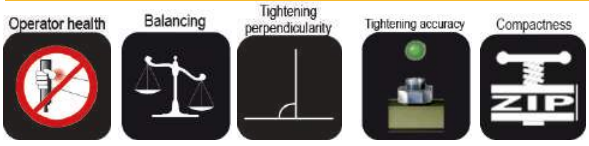
Model	A	B	Vertical stroke D	E	F	G
SLIDER 8	500	565	450	/	120	35
SLIDER 8 COMPACT	550 to 600	/	270	/	120	35
SLIDER 20	500	599	450	56	120	35

Rails

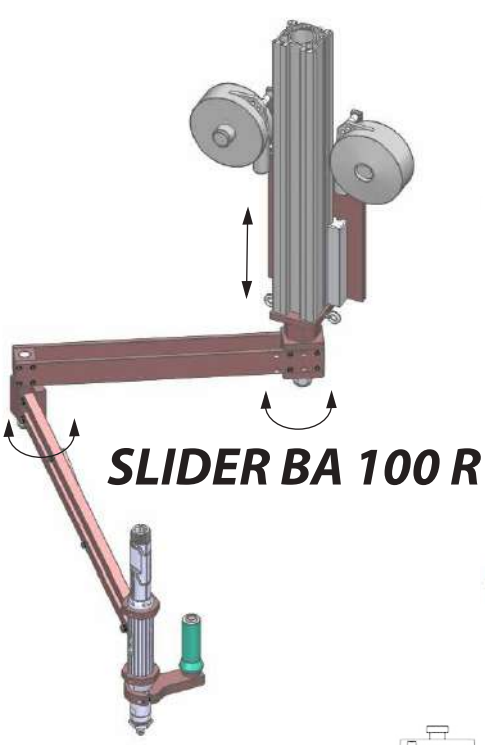
Stroke	Length : C
450	600
650	800
850	1000
1050	1200
1350	1500
1850	2000

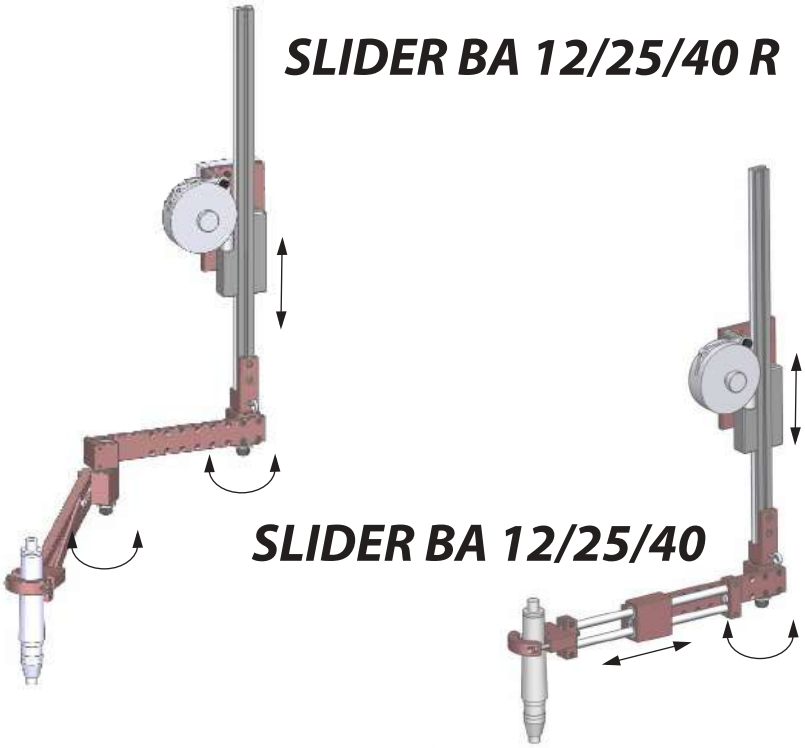
Suspended arms

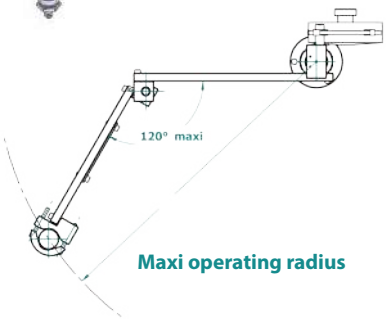
SLIDER BA / SLIDER BA...R Series



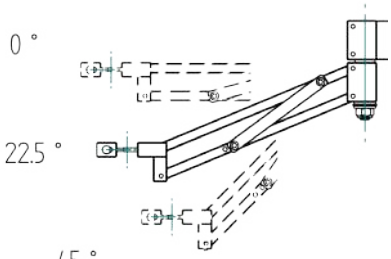
Mounted on the top, the working area remains free. The SLIDER Series can be installed on rail. Then a pneumatic locker is necessary to counter react.







Maxi operating radius

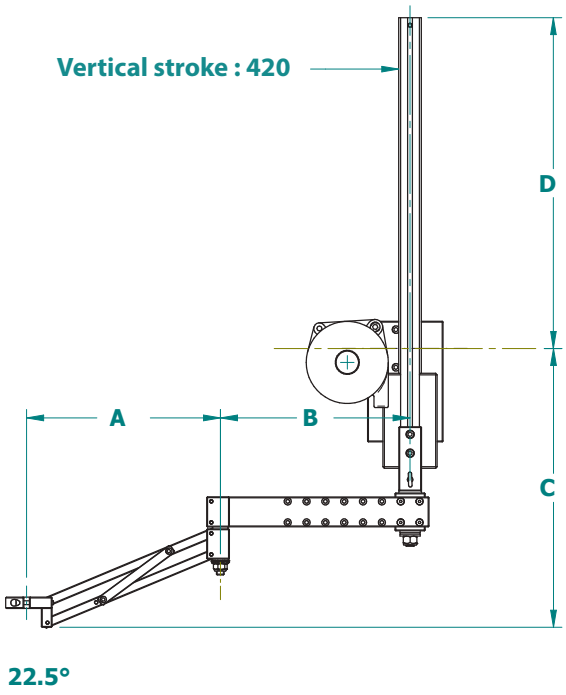


Inclination adjustment in 3 positions

Model	Max torque (Nm)	Tool Ø (mm)	Vertical stroke (mm)	Stroke (mm)	Operating range (mm)	Load (kg)	Code
SLIDER BA 12	12	25/50	420	225		1,2	**4-1201007**
SLIDER BA 25	25	28/52	420	250		2,2	**4-1200726**
SLIDER BA 40	40	28/52	420	295		3	**4-1201119**
SLIDER BA 100	100	28/52	420	330		5	**4-1201120**
SLIDER BA 12 R	12	25/50	420		450	1,2	**4-1201008**
SLIDER BA 25 R	25	28/52	420		460	2,2	**4-1200872**
SLIDER BA 25 R/600	25	28/52	420		600	2,2	**4-1201114**
SLIDER BA 40 R	40	28/52	420		650	3	**4-1201115**
SLIDER BA 40 R/800	40	28/52	420		800	3	**4-1201116**
SLIDER BA 100 R	100	28/52	420		730	5	**4-1201117**
SLIDER BA 100 R/900	100	28/52	420		900	5	**4-1201118**

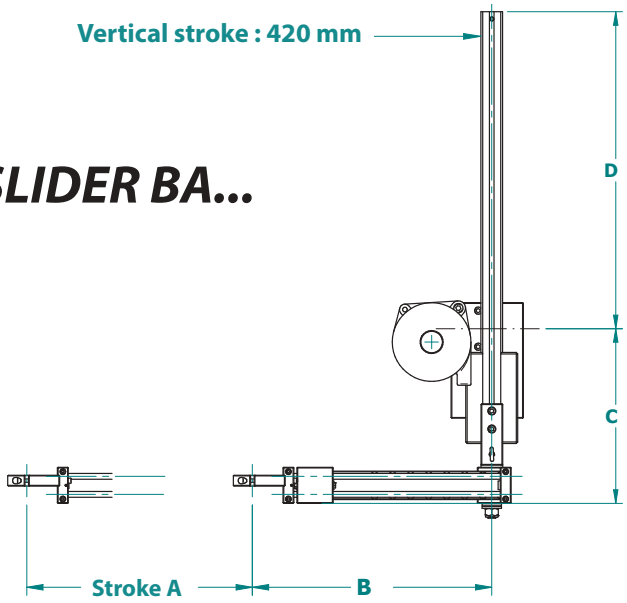
SLIDER BA / BA...R Dimensions

SLIDER BA...R

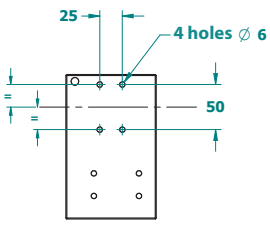


Model	A	B mini	B maxi	Operating range at 120°	C	D
SLIDER BA 12 R	261	102	252	474	370	440
SLIDER BA 25 R	278	95	245	485	394	425
SLIDER BA 25 R/600	336	305	330	607	417	425
SLIDER BA 40 R	387,5	150	350	667	482	419
SLIDER BA 40 R/800	470	415	415	800	496	419
SLIDER BA 100 R	433	205	405	730	597	358
SLIDER BA 100 R/900	528	470	520	900	634	358

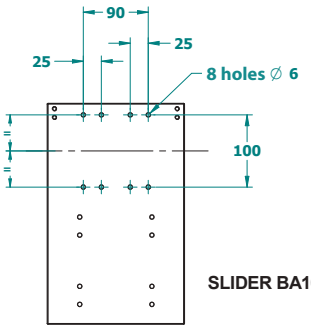
SLIDER BA...



Mounting dimensions SLIDER BA... BA...R



SLIDER BA12 / 25 / 40



SLIDER BA100

Model	Stroke A	B mini	B maxi	C	D
SLIDER BA 12	225	186	336	246	436
SLIDER BA 25	250	221	396	250	436
SLIDER BA 40	295	260	460	314	419
SLIDER BA 100	330	315	515	395	358

Position control system

Improve your manufacturing quality with zero fault process. DOGA Posi Control system is the ideal Sequencing, Error proofing and positionning unit. Compatible with your air, electric and DC tools, your assembly process remains under control regardless operator's qualification.

Page 37 • Posi-control arms
Page 38 at 39 • Controller DPC-Touch
Page 40 at 41 • Linear arms BA...PC series
Page 42 at 43 • Articulated arms BA...RPC series
Page 44 at 47 • Telescoping carbon arms
Page 48 at 49 • Suspended arms

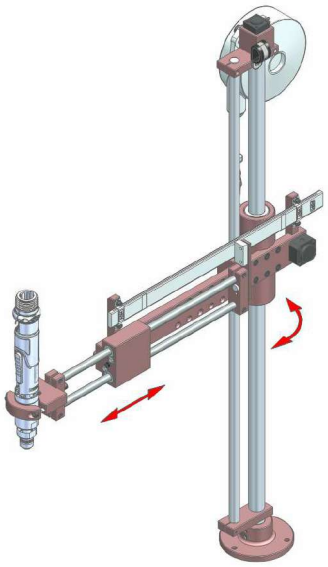


DPC-Touch Controller

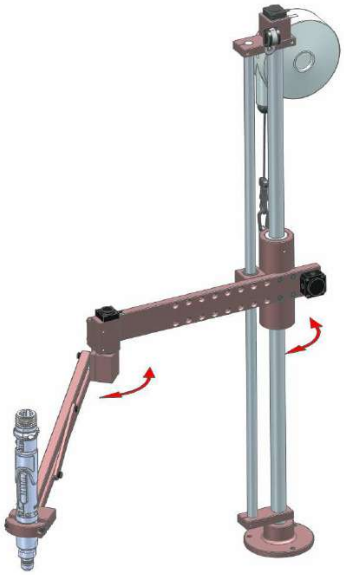
POSI-CONTROL

Position control





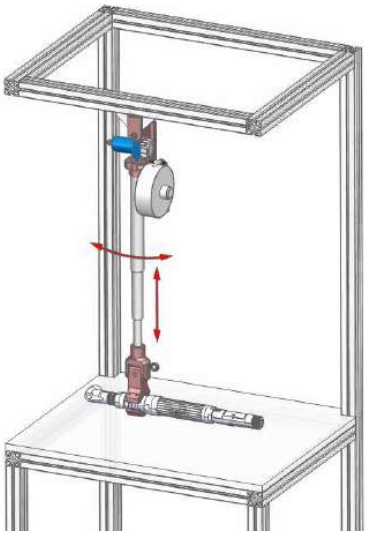
Linear arms BA...PC series



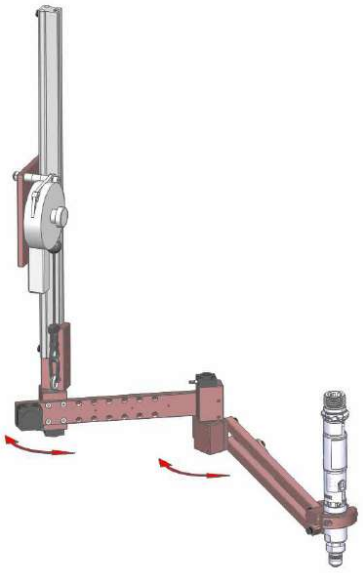
Articulated arms BA...RPC series



- *Zero fault process*
- *Error proofing*
- *Sequencing*
- *Suitable with air and electric tools*
- *Automation device management*



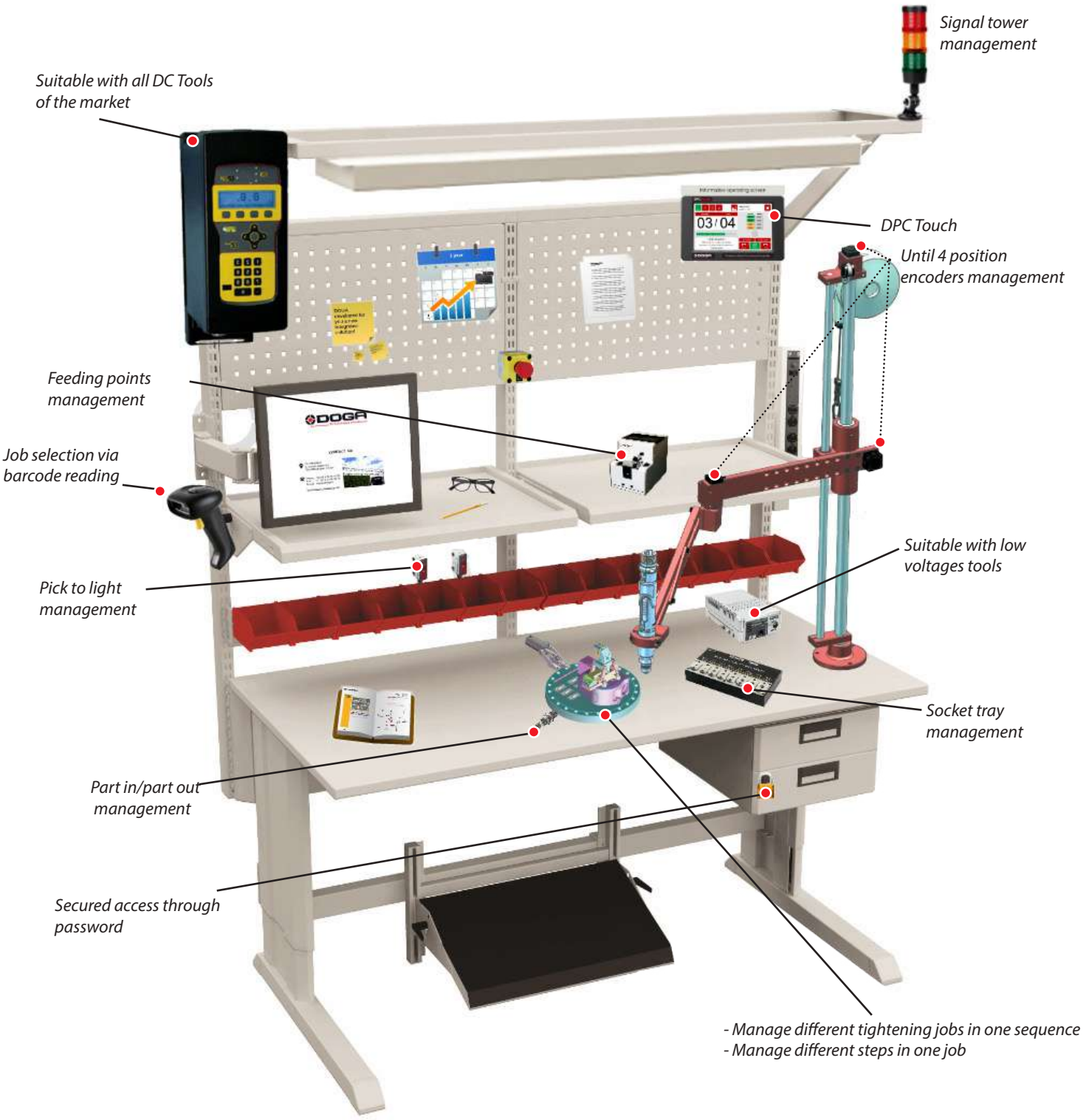
Telescoping arms DMF...PC series



Suspended arms Slider BA...RPC series

POSI-CONTROL System

• Open job structure allows set up of customized logical sequences of fastenings, messages and I/O's.



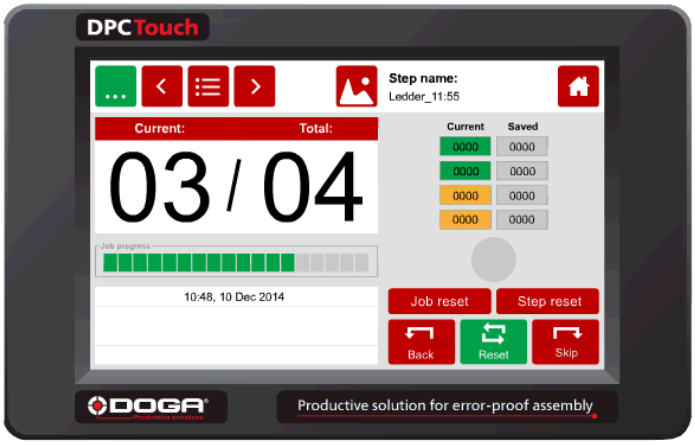
• More than a sequencing and Poka-Yoke controller the DPC Touch may easily manage the automation devices of your workstation on assembly line.

POSI-CONTROL DPC-Touch

Powerful - user friendly - versatile



• TECHNICAL FEATURES :
Dimensions : 202 x 127 x 38 mm
Weight : 550 gr
I/O's : 12 inputs, 12 outputs, 24 Volts
LCD screen : 7" touch screen (800 x 480 m/m)
Encoders : until 4 encoders, (0 - 5 V)



Power supply

2 ports for low voltage DOGA screwdrivers

12 inputs/12outputs (assignable)

Encoders port

RS232 port (firmware upgrade and bar code reading/Job selection)

• Fast and powerful :
- In house operating system
- Until 999 programable jobs !
- Until 255 steps per jobs !
- Until 99 positions per step !
- Until 4 position encoders

• Versatile :
- Suitable with all DC Tools - low voltage and air tools
- Poka-Yoke or/and sequencing controller
- Assignable I/O's
- Suitable with screwfeeders pick up
- Opened job structure enables customized logical sequences
- Management of your automation devices

• User friendly :
- Embeded soft
- Touch screen
- Self teaching sequencing
- Smart tolerance detection
- Process and sequencing visualization - operator instructions guidance

Model	Code
DPC Touch	**6-1274100**
DPC Touch / GX, GY, DO, GA cable	**6-1041620**
DPC Touch / DOGA HD, SD cable	**6-1252002**
DPC Touch / Stanley TAU/THETA cable	**4-1241036**
DPC Touch / Stanley KAPPA, ALPHA cable	**4-1241050**
DB9 3m/free wires (4 outputs/3 inputs) cable	**4-1200542**
DB25 3m/free wires (9 outputs/12 inputs) cable	**4-1200770**
DB44 3m/free wires (12 outputs/12 inputs) cable	**6-1041621**
Air kit for pneumatic tool / DPC Touch	**4-1200771**
Firmware upgrade kit	**6-1200004**

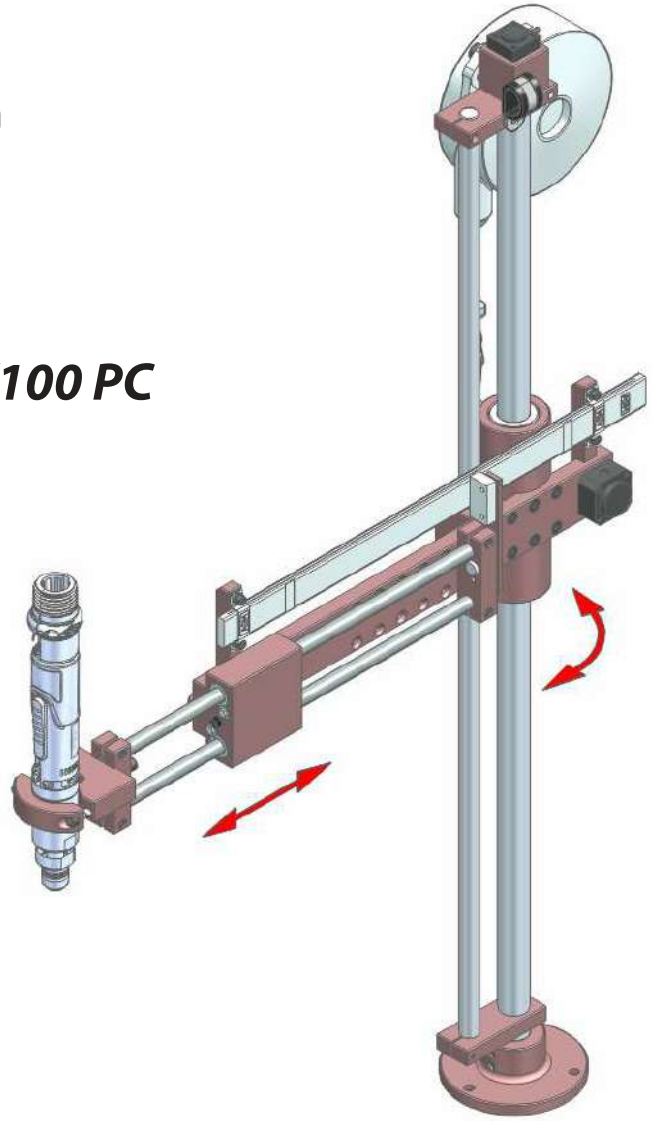
Linear arms

BA...PC Series



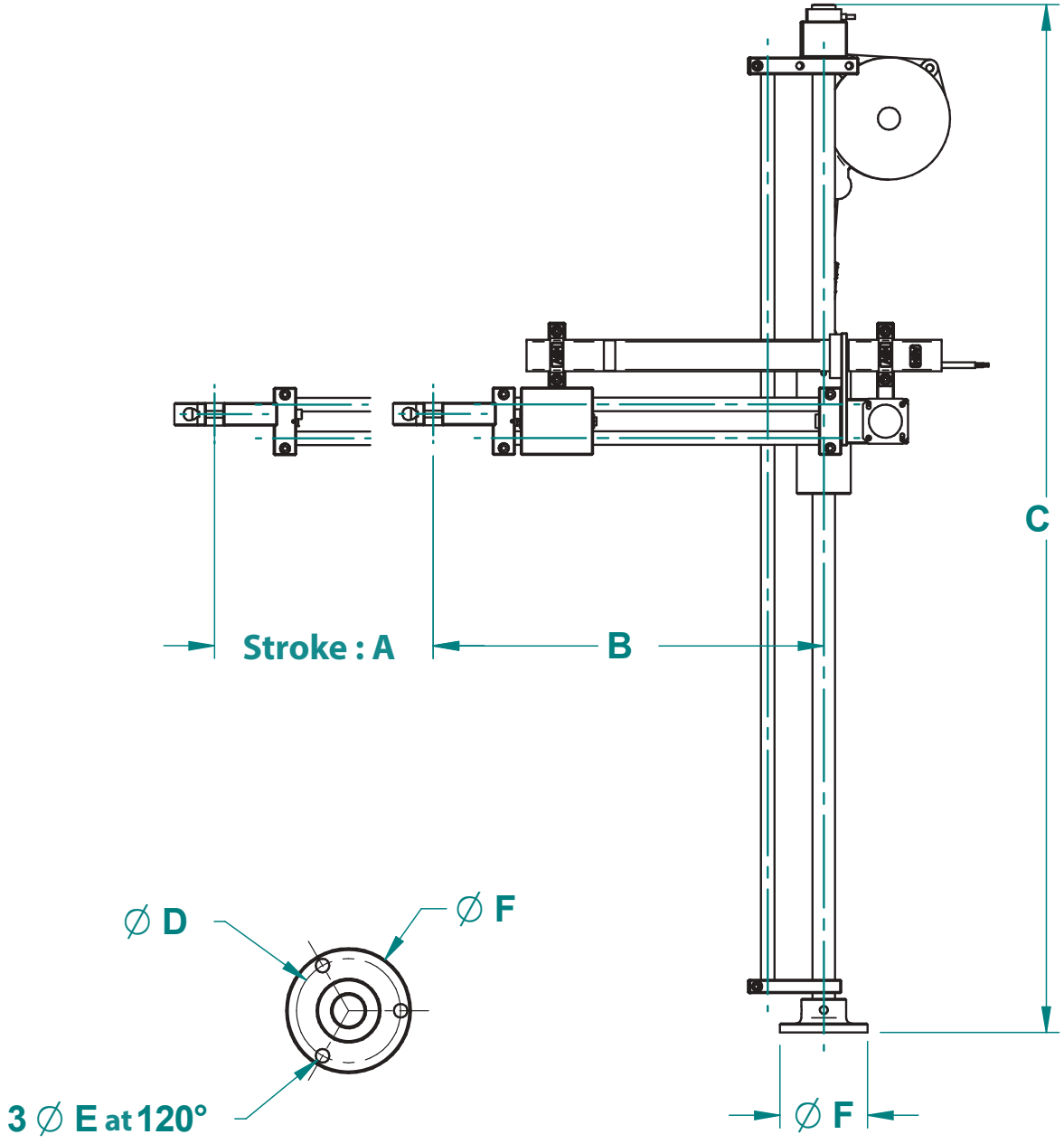
- Torque up to 100 Nm
- Equipped with absolute angle encoders (12 bits)
- Higher torque is available on request

BA 12/25/40/100 PC



Model	Max torque (Nm)	Tool Ø (mm)	Stroke (mm)	Max load (Kg)	Code
BA 12 PC	12	25 - 50	195	1,2	**4-1201009**
BA 25 PC	25	28 - 52	195	2,2	**4-1201086**
BA 40 PC	40	28 - 52	295	3	**4-1201087**
BA 40 PC/400	40	28 - 52	395	3	**4-1201088**
BA 100 PC	100	28 - 52	295	4	**4-1201089**
BA 100 PC/400	100	28 - 52	395	4	**4-1201091**

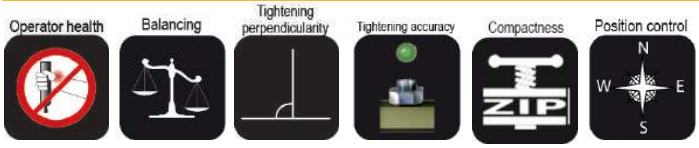
BA...PC Dimensions



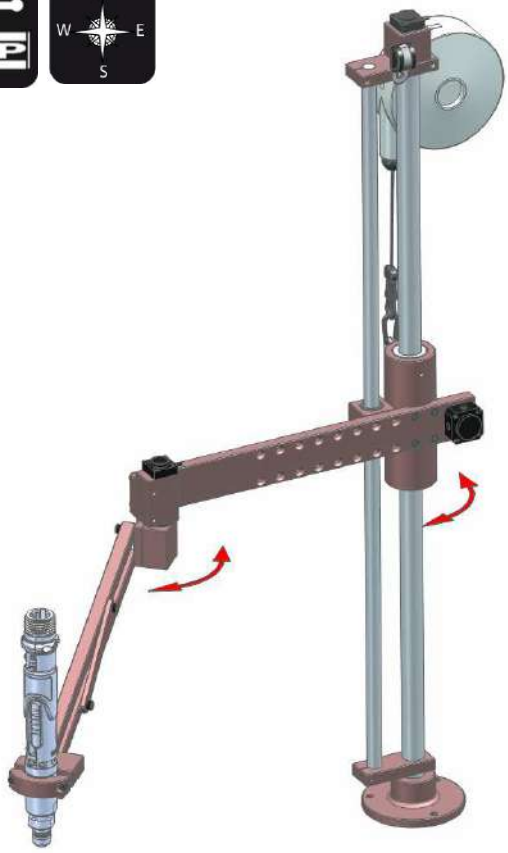
Model	Stroke A	B mini	B maxi	C	D	E	F
BA 12 PC	195	236	336	816	65	8,5	78
BA 25 PC	195	251	351	916	65	8,5	78
BA 40 PC/300	295	320	470	1016	100	8,5	118
BA 40 PC/400	395	420	570	1016	100	8,5	118
BA 100 PC/300	295	335	485	1016	126	10,5	148
BA 100 PC/400	395	435	585	1016	126	10,5	148

Articulated arms

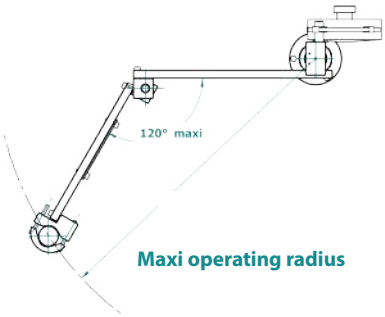
BA...RPC Series



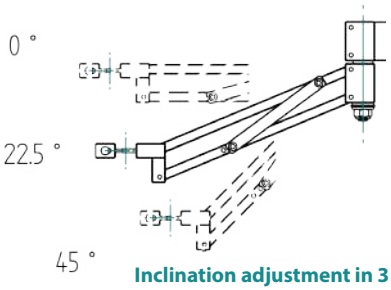
- Torque up to 100 Nm
- Operating range up to 1100 mm
- Equipped with two absolute angle encoders 12 bits (0,1°)
- Higher torque is available on request



BA 12/25/40/100 RPC



Maxi operating radius



Inclination adjustment in 3 positions

Model	Max torque (Nm)	Tool Ø (mm)	Operating range (mm)	Max load (Kg)	Code
BA 12 RPC	12	25 - 50	450	1,2	**4-1201010**
BA 25 RPC	25	28 - 52	460	2,2	**4-1200472**
BA 25 RPC/600	25	28 - 52	600	2,2	**4-1200475**
BA 40 RPC	40	28 - 52	650	3	**4-1200473**
BA 40 RPC/800	40	28 - 52	800	3	**4-1200476**
BA 100 RPC	100	28 - 52	730	4	**4-1200474**
BA 100 RPC/900	100	28 - 52	900	4	**4-1200477**
BA 100 RPC/1100	100	28 - 52	1100	4	**4-1200478**

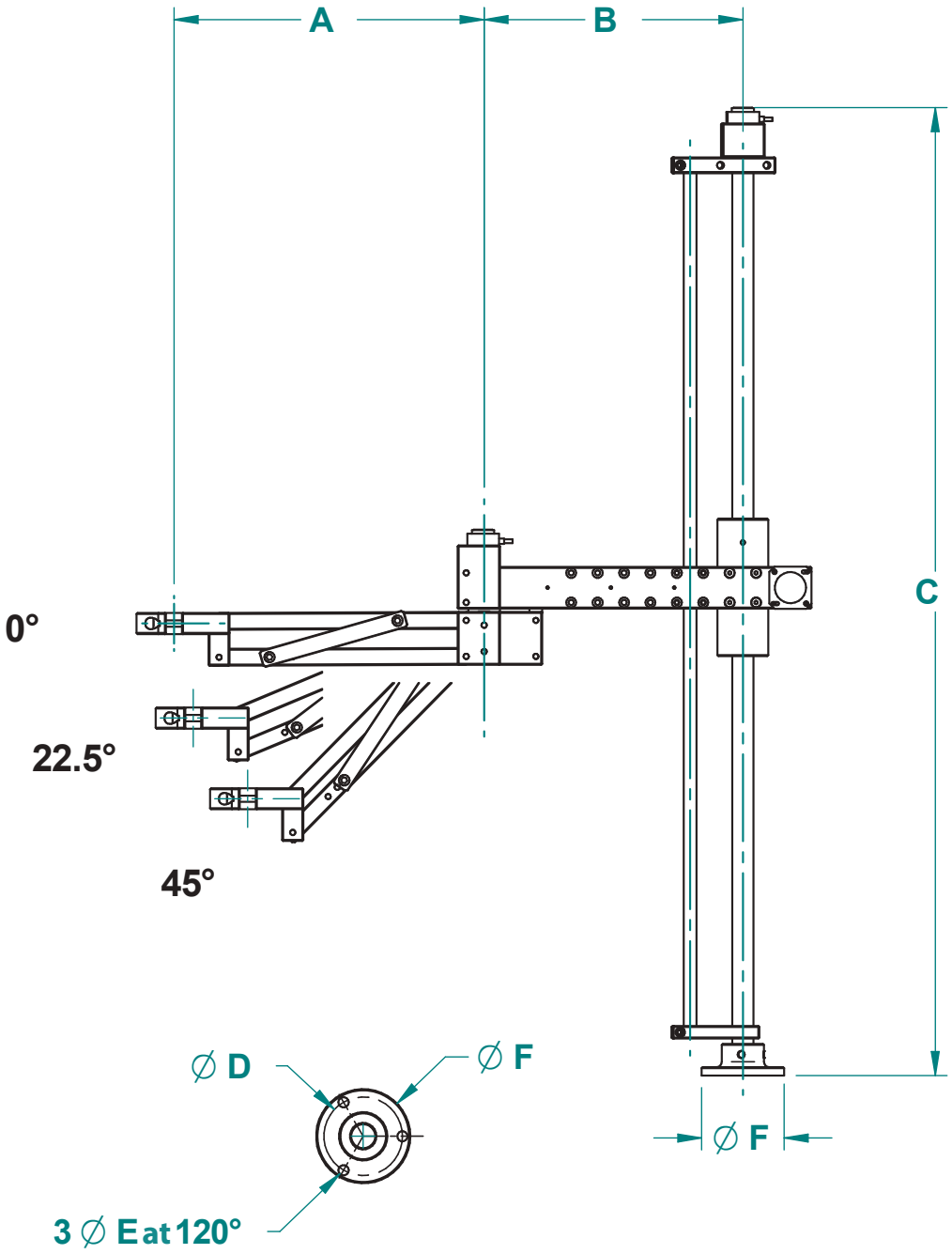


Option

Z encoder / BA RPC. ***Code : 4-1283125.***
Encoder cable Z. ***Code 4-1200725.***

Articulated arms

BA...RPC Series Dimensions



Model	A 0°	A 22,5°	A 45°	B min	B max	C	Operating range at 22,5°
BA 12 RPC	279	261	209	145	245	816	450
BA 25 RPC	296	278	227	145	245	916	460
BA 25 RPC/600	358	336	271	330	330	916	600
BA 40 RPC	414	387,5	310,5	200	350	1016	650
BA 40 RPC/800	503	470	374	415	415	1016	800
BA 100 RPC	462	433	351	255	405	1016	730
BA 100 RPC/900	564	528	425	520	520	1016	900
BA 100 RPC/1100	694	648	517	635	635	1016	1100

D, E, F similar to BA...R

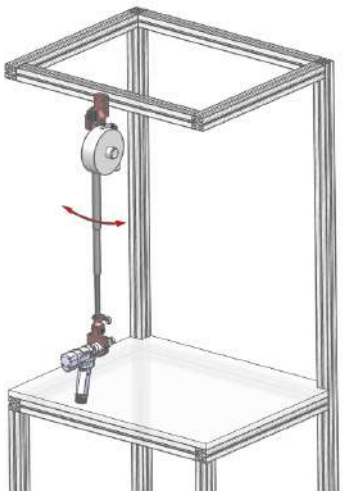
Carbon telescoping arms

DMF...PC Series

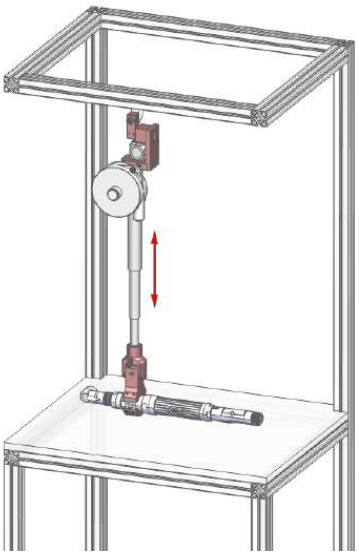


- Torque up to 140 Nm
- Equipped with absolute angle encoders 12 bits (0,1°)

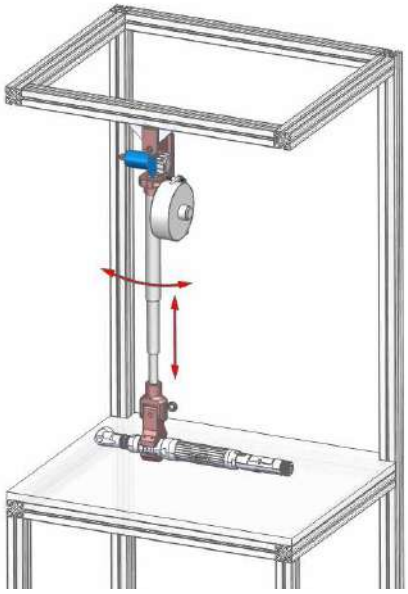
Monitored movement



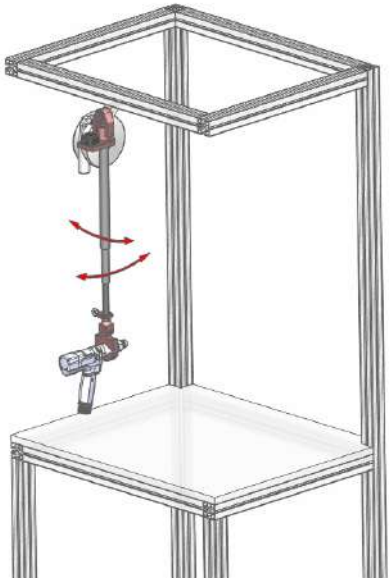
DMF APC
Equipped with one angle encoder



DMF LPC
Equipped with one length encoder



DMF LAPC
Equipped with one length encoder and one angle encoder



DMF AAPC
Equipped with two angle encoders (inclinometer)

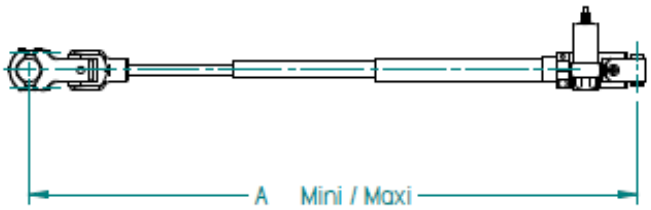
Carbon telescoping arms

DMF...PC Series

DMF APC

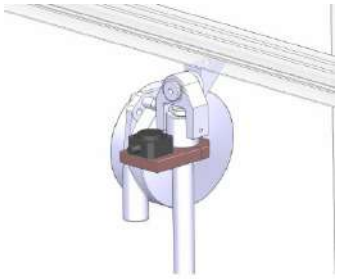


DMF LPC/LAPC



Model	Torque	Clamp	Tool Ø	Min	Max	Code without clamp	Code with clamp
DMF 30 APC/960	30	P1	28-52	560	960	**4-1200574**	**4-1200564**
DMF 30 APC/1500	30	P1		706	1500	**4-1200575**	**4-1200565**
DMF 30 APC/2000	30	P1		873	2000	**4-1200576**	**4-1200566**
DMF 80 APC/1500	80	P2/P3	35-52	764	1500	**4-1200577**	**4-1200567**
DMF 80 APC/2000	80	P2/P3		930	2000	**4-1200578**	**4-1200568**
DMF 140 APC/1500	140	P2/P3		978	1500	**4-1200579**	**4-1200569**
DMF 140 APC/2000	140	P2/P3		1228	2000	**4-1200580**	**4-1200572**
DMF 30 LPC/960	30	P1	28-52	560	960	**4-1200588**	**4-1200581**
DMF 30 LPC/1500	30	P1		727	1500	**4-1200589**	**4-1200582**
DMF 30 LPC/2000	30	P1		894	2000	**4-1200590**	**4-1200583**
DMF 80 LPC/1500	80	P2/P3	35-52	780	1500	**4-1200591**	**4-1200584**
DMF 80 LPC/2000	80	P2/P3		947	2000	**4-1200592**	**4-1200585**
DMF 140 LPC/1500	140	P2/P3		991	1500	**4-1200593**	**4-1200586**
DMF 140 LPC/2000	140	P2/P3		1241	2000	**4-1200594**	**4-1200587**
DMF 30 LAPC/960	30	P1	28-52	560	960	**4-1200662**	**4-1200595**
DMF 30 LAPC/1500	30	P1		727	1500	**4-1200663**	**4-1200596**
DMF 30 LAPC/2000	30	P1		894	2000	**4-1200664**	**4-1200597**
DMF 80 LAPC/1500	80	P2/P3	35-52	780	1500	**4-1200665**	**4-1200598**
DMF 80 LAPC/2000	80	P2/P3		947	2000	**4-1200666**	**4-1200599**
DMF 140 LAPC/1500	140	P2/P3		991	1500	**4-1200667**	**4-1200660**
DMF 140 LAPC/2000	140	P2/P3		1241	2000	**4-1200668**	**4-1200661**

AAPC Option



Inclinometer may be installed on standard DMF arms (DMF30, DMFi 70/120/200) to monitor angular position.

For	Code
DMF 30	**4-1200809**
DMFi 70/120/200	**4-1200810**

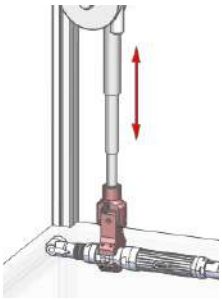
Carbon telescoping arms

Clamps for DMF...PC



P1 clamp

For	P1	Tool Ø
DMF 30	Standard	28/52
DMF 80/140	Mounting plate interface	**On request**



P2 clamp

For	Tool Ø	Code
DMF 30	28/52	**4-1200300**
DMF 80/140	35/52	**Standard**



P3 clamp

For	Tool Ø	Code
DMF 30	28/52	**4-1200301**
DMF 80/140	35/52	**Standard**



P4 clamp

For	Tool Ø	Code
DMF 30	28/52	**4-1200302**
DMF 80/140	35/52	**4-1200343**

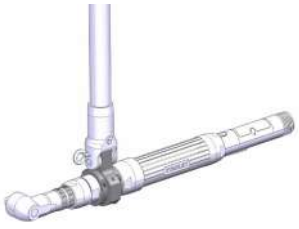


Tilt interface

For	Code
DMF 30 30°	**4-1201140**
DMF 30 45°	**4-1201141**

Swivel clamp

For	Tool Ø	Code
DMF 80/140	**On request**	**On request**

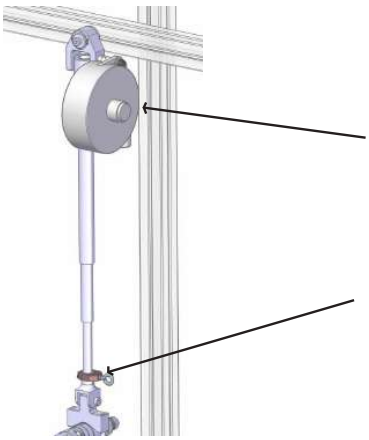


P2 Rotating clamp

For	Tool Ø	Code
DMF 30	On request	**4-1201134**
DMF 80/140	On request	**4-1201135**

Carbon telescoping arms

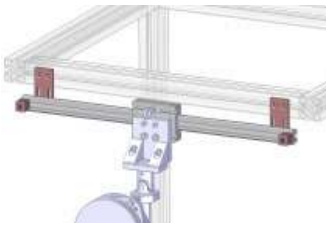
DMF...PC Accessories



Balancing kit for DMF...PC

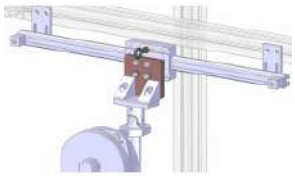
Max load tool (kg)	For	Code
1/2,5	DMF 30	**4-1200304**
2/4	DMF 30/80	**4-1200305**
4/6	DMF 80/140	**4-1200306**

Balancer attachment kit for DMF30 **Code 4-1201143.**



Rails

Length	Stroke	Number of flanges	Code
600	450	2	**4-1200132**
800	650	2	**4-1200160**
1000	850	2	**4-1200161**
1200	1050	3	**4-1200162**
1500	1350	3	**4-1200163**
2000	1850	4	**4-1200164**

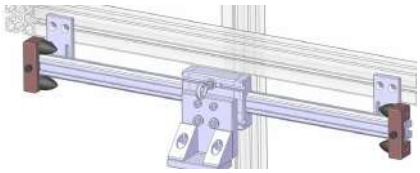


Rail interface

Allows installation of DMF on rail.

For	Code
DMF 30/80/140	**4-1200341**
DMF 300	**4-1200342**

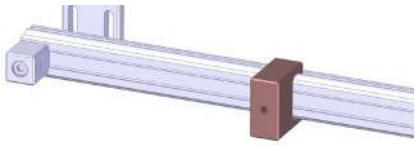
NOTE : delivered without safety hook (**Code 4-1200309**)



Absorbing stop

Recommended in case of repeatable side shocks.

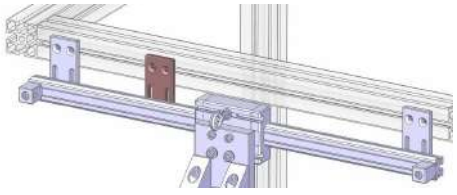
Code 4-1201121 Set of 2



Adjustable stop

To limit the slide of the arm on the rail.

Code 4-1200167



Additional flange

To reinforce the rail installation for high torque applications.

Code 4-1200873



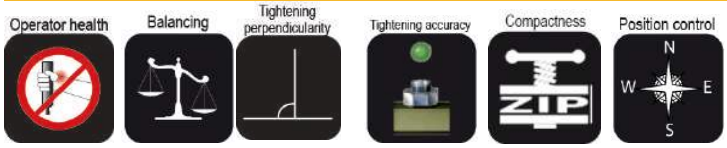
Rail link

To link two rails together.

Code 4-1200307

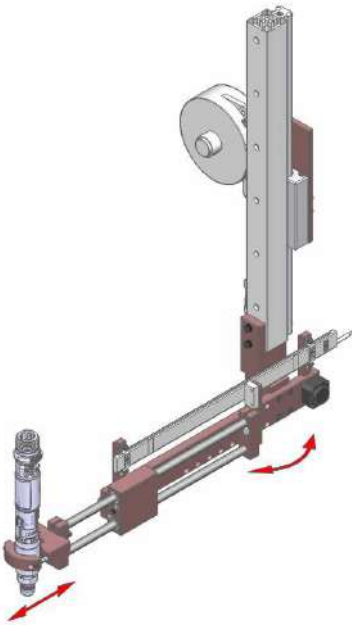
Suspended arms

SLIDER BA...PC/RPC

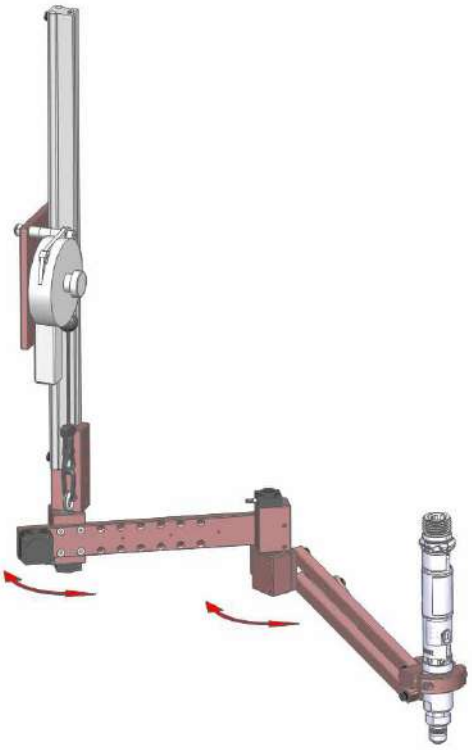


- Torque up to 100 Nm
- Operating range up to 900 mm
- Equipped with 2 absolute encoders 12 bits (0,1°)
- Higher torque available on request

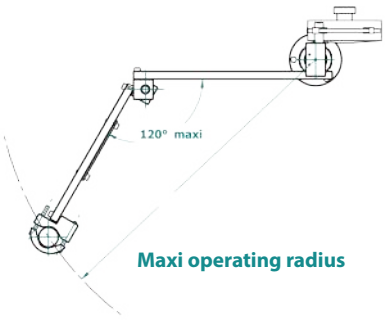
Monitored movement



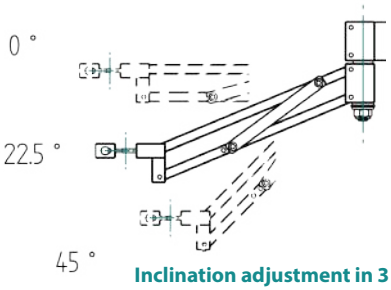
SLIDER BA 12/25/40 PC



SLIDER BA 12/25/40/100 RPC



Maxi operating radius

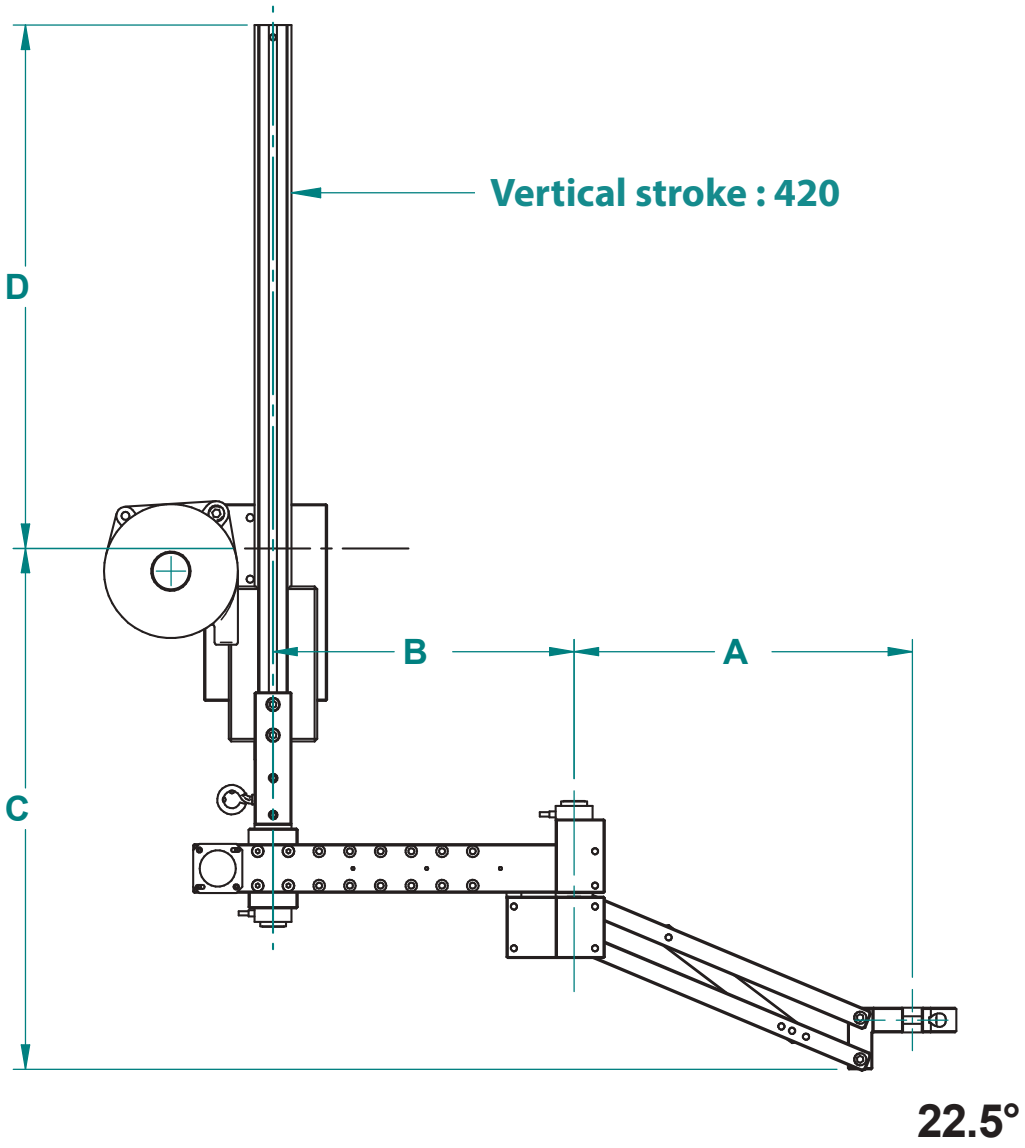


Inclination adjustment in 3 positions

Model	Max torque (Nm)	Tool Ø (mm)	Operating range (mm)	Stroke (mm)	Operating range (mm)	Max load (Kg))	Code
SLIDER BA 12 PC	12	25/50	420	195		1,2	**4-1283120**
SLIDER BA 25 PC	25	28/52	420	195		2,2	**4-1283121**
SLIDER BA 40 PC	40	28/52	420	295		3	**4-1283122**
SLIDER BA 12 RPC	12	25/50	420		450	1,2	**4-1201078**
SLIDER BA 25 RPC	25	28/52	420		460	2,2	**4-1201079**
SLIDER BA 25 RPC/600	25	28/52	420		600	2,2	**4-1201080**
SLIDER BA 40 RPC	40	28/52	420		650	3	**4-1201081**
SLIDER BA 40 RPC/800	40	28/52	420		800	3	**4-1201082**
SLIDER BA 100 RPC	100	28/52	420		730	4	**4-1201083**
SLIDER BA 100 RPC/900	100	28/52	420		900	4	**4-1201084**

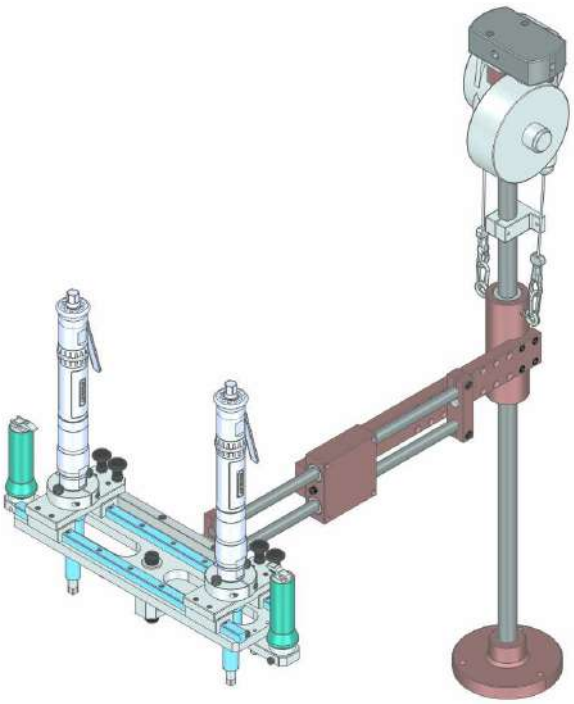
Suspended arms

SLIDER BA...RPC Dimensions

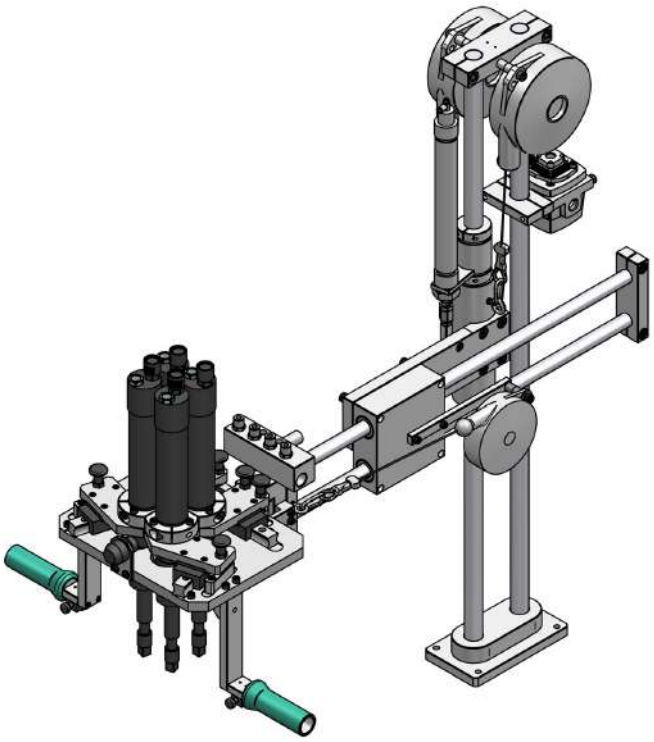


	A	B min	B max	Operating range at 22,5°	C	D
SLIDER BA 12 RPC	261	102	252	474	380	440
SLIDER BA 25 RPC	278	95	245	485	424	425
SLIDER BA 25 RPC/600	336	305	330	607	447	425
SLIDER BA 40 RPC	387,5	150	350	667	482	419
SLIDER BA 40 RPC/800	470	415	415	801	496	419
SLIDER BA 100 RPC	433	205	405	758	597	358
SLIDER BA 100 RPC/900	528	470	520	908	634	358

Special arms



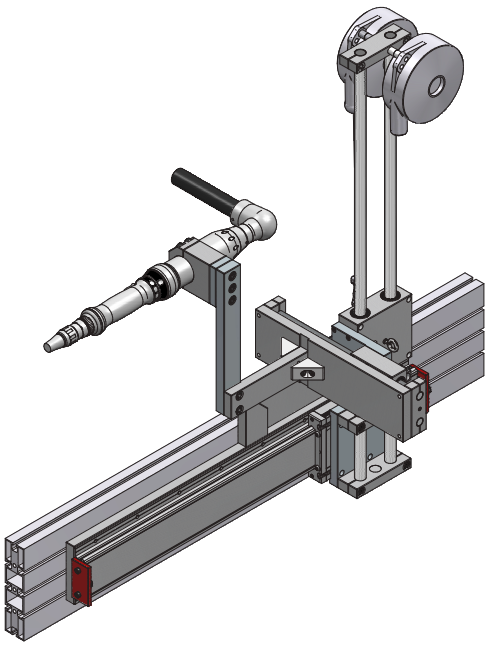
BA for double spindle with variable pitch



BA 200 with 4 spindles + easy push kit

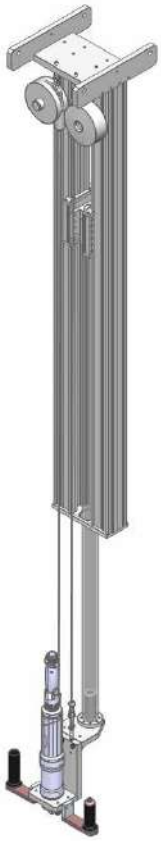


SLIDER 50 COMPACT :
- With rail
- With air locker
- With rotative clamp

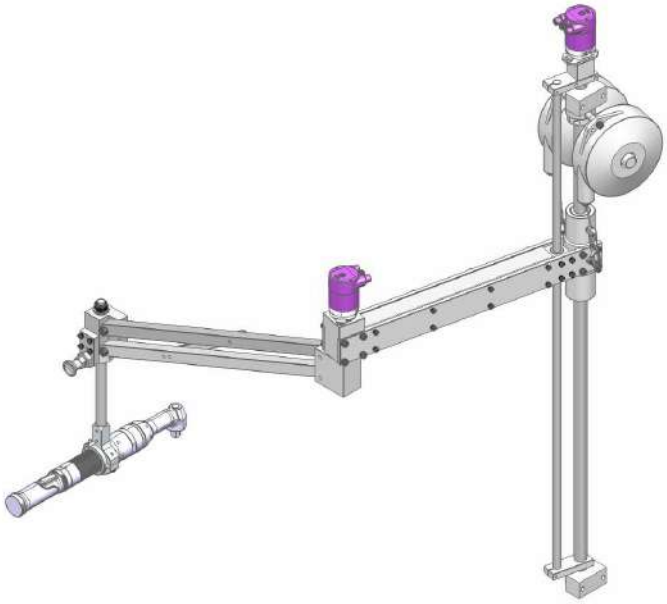


Cartesian arm, 3 axles

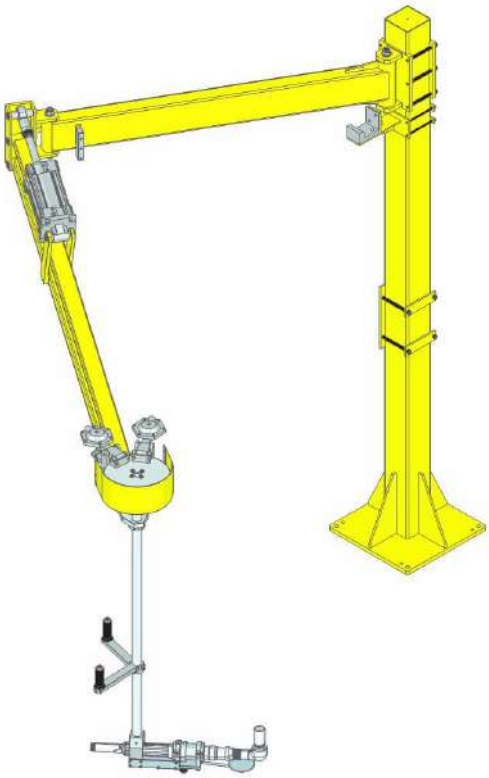
Special arms



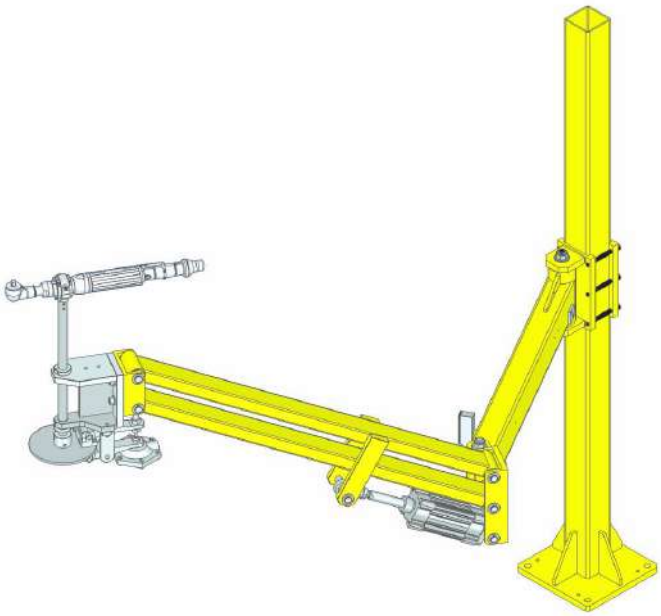
SLIDER 300 COMPACT for straight nutrunner



BA 180 R with :
- Profinet coders
- Rotative and swivelling clamp



BA 500R/3000 with :
- Disk break
- Rotative clamp



BA 200 R for under body tightening :
- With disk break
- Rotative clamp

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