



FIBERROLL BY BORFLEX®

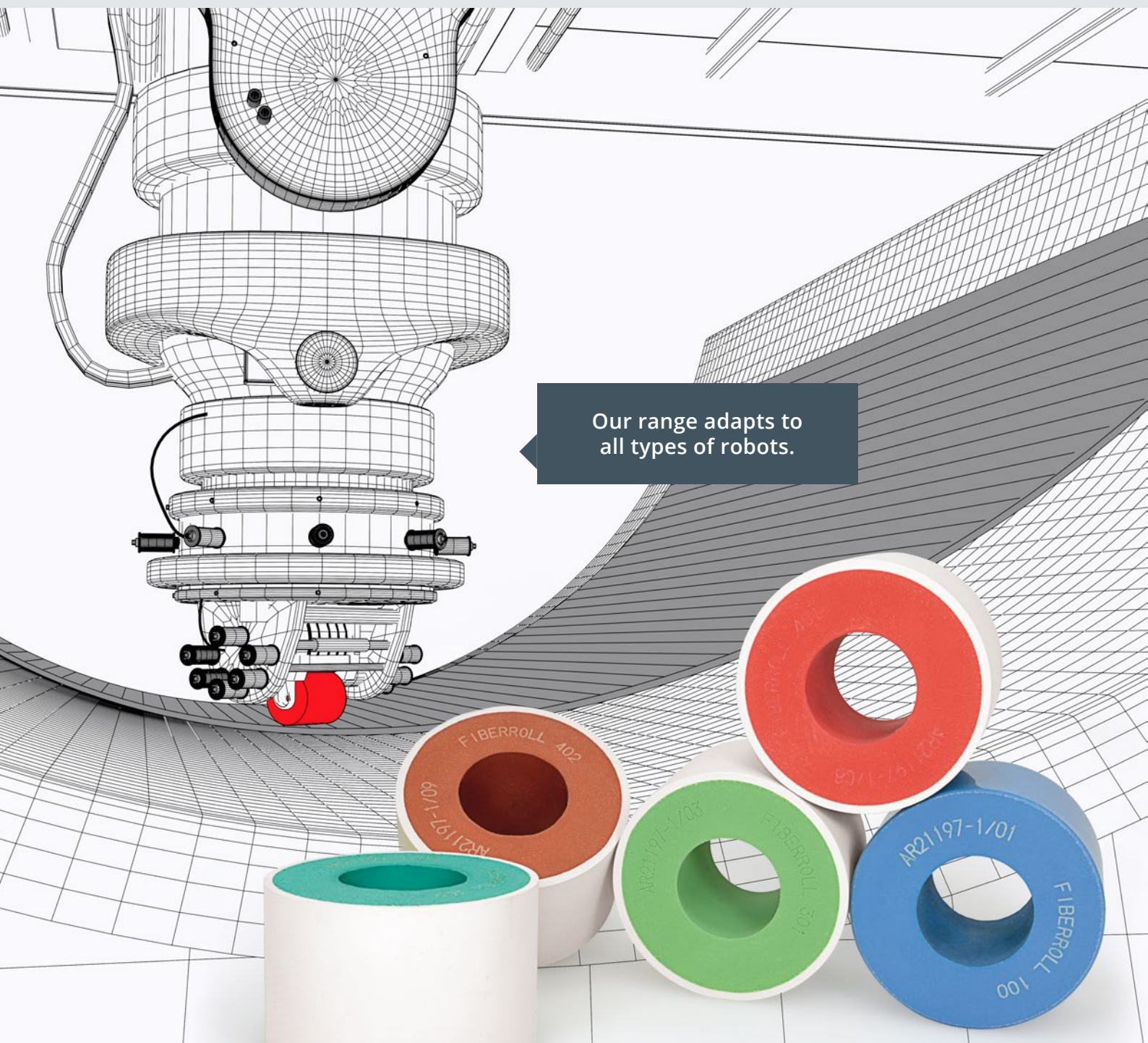
AUTOMATED FIBER PLACEMENT (AFP) ROLLERS

BORFLEX® has been producing rollers for the automated fiber placement for several years. Following the arrival of new materials requiring complex manufacturing conditions, BORFLEX® has decided to develop its own range of AFP rollers to meet these requirements and respond to new developments.



A RANGE DEDICATED TO ALL YOUR AFP ROLLER REQUIREMENTS

BORFLEX®, an international group specialising in the design and development of elastomeric products, has developed a range of rollers that meet the AFP requirements.



FIBERROLL 100 AND 200

	Prepreg Thermosetting			
	FIBERROLL 100		FIBERROLL 200	
	101	102	201	202
				
Hardness	20 to 70 Sh A	30 to 70 Sh A	30 to 70 Sh A	30 to 70 Sh A
Silicone	Yes without direct contact	No	-	-
Teflon	-	-	Yes	No
Functional strength to constant temperature	80° C	80° C	80° C	80° C
Functional strength to temperature by stroke	100° C	100° C	100° C	100° C
Displacement during a compression of 50 kg with a 63 mm diameter roller, hardness 35 Shore A	2,8 mm	3,8 mm	4 mm	3,2 mm

FIBERROLL 300 AND 400

FIBERROLL 300 AND 400	Dry fiber		In Situ Prepreg Thermoplastics	
	Prepreg Thermoplastics Clamping			
	FIBERROLL 300		FIBERROLL 400	
	303	304	401	402
				
Hardness	20 to 70 Sh A	30 to 70 Sh A	20 to 70 Sh A	30 to 70 Sh A
Silicone	Yes without direct contact	No	Yes without direct contact	No
Functional strength to constant temperature	300° C	300° C	350° C	350° C
Functional strength to temperature by stroke	400° C	400° C	500° C	500° C
Displacement during a compression of 50 kg with a 63 mm diameter roller, hardness 35 Shore A	6,1 mm	5,1 mm	5,1 mm	4,1 mm

OUR OPTIONS



OUR RANGE

Our rollers have been developed to meet the needs of all your activities, and to be in accordance with the constraints of the different sectors such as aeronautics, automobile, water sports, railways, etc.



MARKING

Several types of markings are possible:

- The rollers can be marked with your company name.
- Traceability can be integrated on the roller (internal reference, etc.).
- Any other necessary information can be indicated on the roller according to the available space left.



COLOUR

We can adapt the colours of the rollers according to your needs.



CUSTOMISED OFFER

The rollers can be manufactured in any size required.

Several axis types can be supplied: steel, aluminium, PEEK, etc.



ORDER

We offer orders ranging from one-off to small series production or even to the medium and big series.



SUPPORT

Our R&D teams are at your disposal to work on the development of your future processes and/or products the aim being to provide you with rollers corresponding to your needs.

YOUR APPLICATIONS



AERONAUTICS



SHIPBUILDING



RAILWAY



TRANSPORT LAND



ENERGY