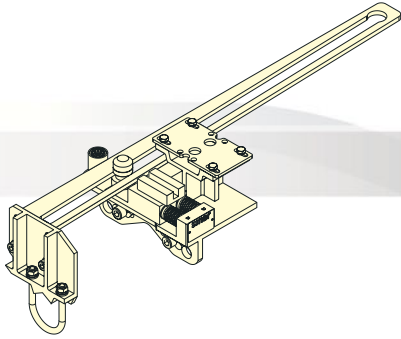
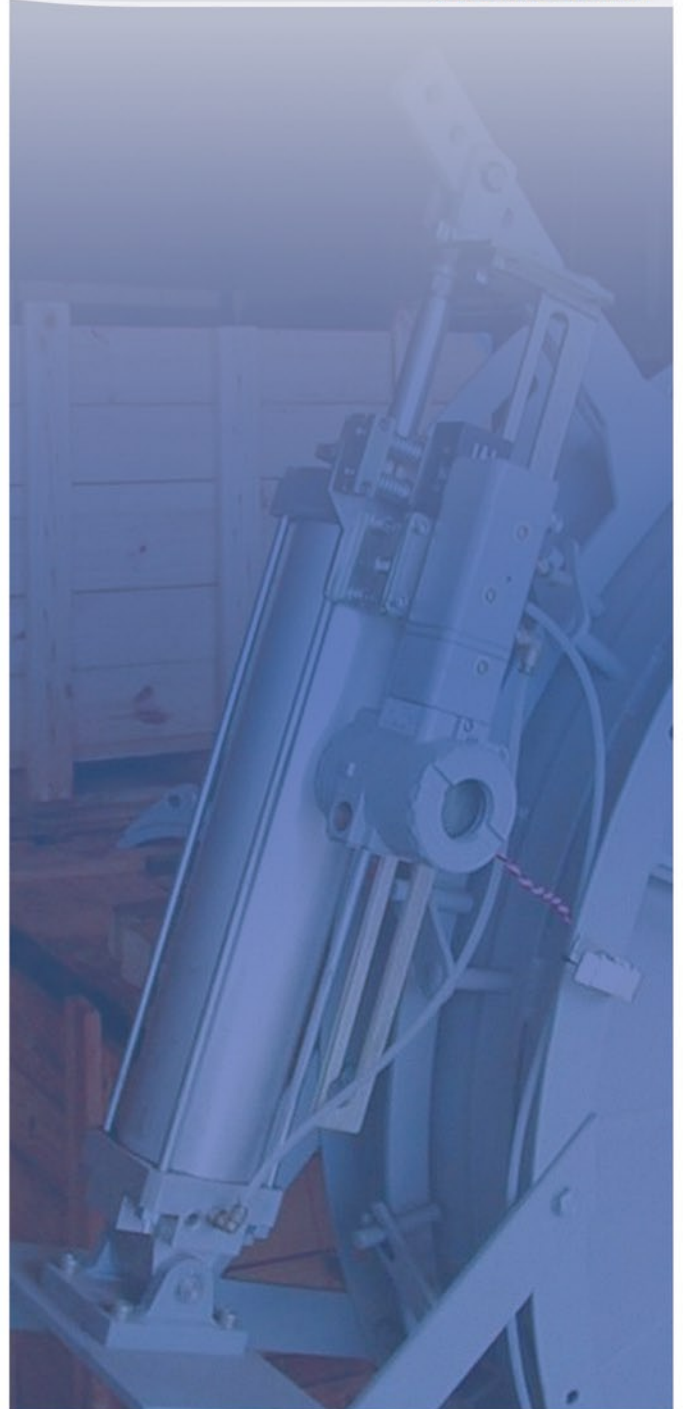


# **BFY-CL**

**COUPLING DEVICE**



- **Easy installation**
- **Available in carbon and stainless steel**
- **Diagnostics through the FY family positioner**
- **Applications diversity**



**smar**

BFY-CL is a coupling device for the FY family of Smar positioners, designed for applications in several different models of final control elements.

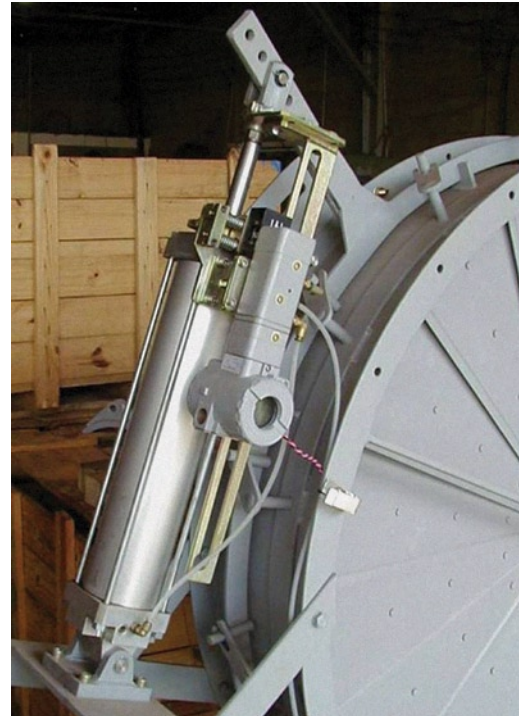
BFY-CL attends to the needs of modulating controls for processes requiring strokes longer than 100 mm in the final control element.

The operation principle of BFY-CL is based on the oblique split rule, reducing a original long stroke to a short one, orthogonal to the original travel.

The BFY applications are many. From the modulation in control cylinders of long stroke to acting as floodgates of high capacity.

The BFY-CL is used with the FY301 / FY302 / FY303 / FY400 Smar positioners – presented in HART®/4-20 mA, FOUNDATION fieldbus™ and PROFIBUS PA communication protocol versions.

- Easy installation;
- Available in carbon and stainless steel;
- Diagnostics through the FY family positioner;
- Applications diversity.



### Technical Specifications

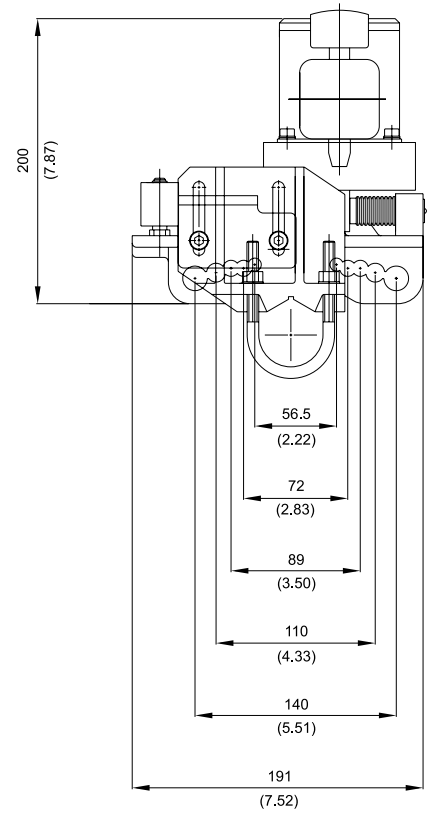
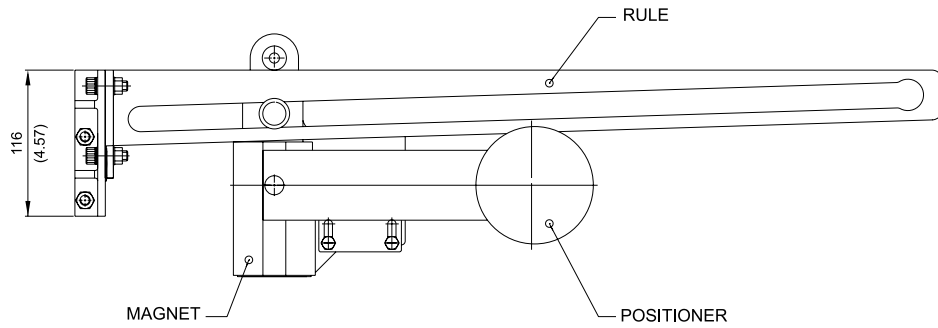
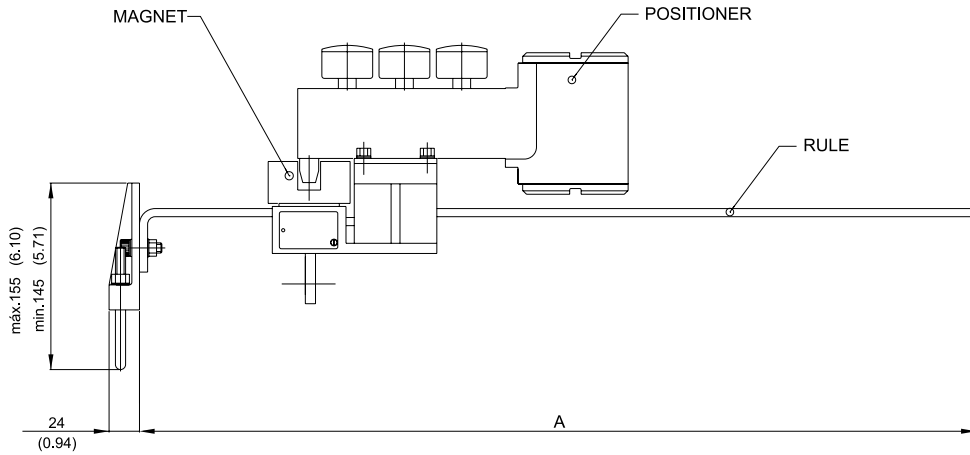
- For use in ISO6431 serie cylinders.
- 100 mm to 1000 mm cylinder and ruler strokes.
- 63 mm to 160 mm cylinders diameters.
- Carbon and stainless steel materials.

Note: The cylinder and the positioner are not included in BFY-CL.

### BFY-CL Weight

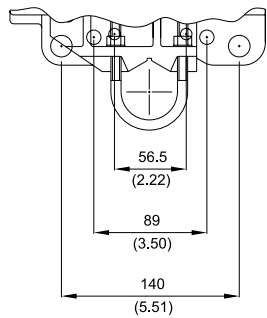
Stroke (mm)	Total Weight (grams)	
	Carbon Steel	Stainless Steel
100	2.230	4.030
125	2.270	4.070
160	2.350	4.150
200	2.410	4.210
250	2.530	4.330
320	2.650	4.450
400	2.840	4.640
500	2.890	4.690
630	3.210	5.010
800	3.430	5.230
1000	3.760	5.560

The dimensions are in mm (in)

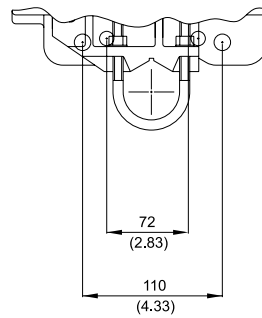


**BFY-CL (INOX)**  
FOR CYLINDER WITH DIAMETERS:  
63, 80, 100, 125 and 160 mm

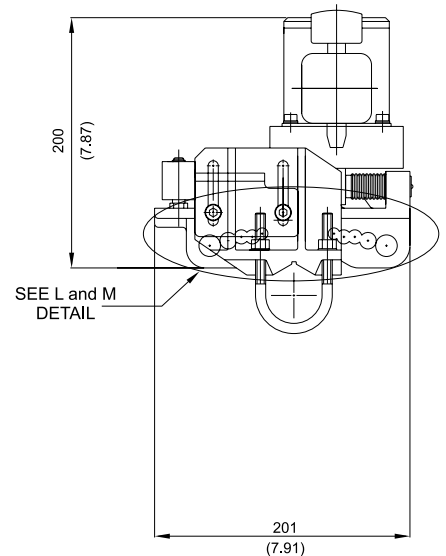
RULER STROKE	"A" Dimensions = RULER TYPES	
	LENGHT	
	Millimeters	Inches
100	260	10.24
125	290	11.42
160	335	13.19
200	383	15.08
250	440	17.32
320	524	20.63
400	659	25.94
500	740	29.13
630	935	36.80
800	1119	44.05
1000	1375	54.13



**"L" DETAIL - BFY-CL (SAE-1020)**  
FOR CYLINDERS WITH DIAMETERS:  
63, 100 and 160 mm



**"M" DETAIL - BFY-CL (SAE-1020)**  
FOR CYLINDERS WITH DIAMETERS:  
80 and 125 mm



**BFY - CL (SAE-1020)**

BFY-CL	
COD.	STROKE
1	100 mm
2	125 mm
3	160 mm
4	200 mm
5	250 mm
6	320 mm
7	400 mm
8	500 mm
9	630 mm
A	800 mm
B	1000 mm
Z	Special – See Notes
COD.	MATERIAL
C	Carbon Steel SAE 1020
I	Stainless Steel 316
COD.	CYLINDER DIAMETER
1	63 mm
2	80 mm
3	100 mm
4	125 mm
5	160 mm

BFY-CL	2	1	1
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**USA**

Smar International Corporation  
6001 Stonington Street, Suite 100  
Houston, TX 77040  
Phone: +1 713 849-2021  
Fax: +1 713 849-2022  
sales@smar.com

Smar Research Corporation  
2110 5th Ave  
Ronkonkoma, New York 11779  
Phone: +1 631 737 3111  
Fax: +1 631 737 3892  
sales@smarresearch.com

Smar Laboratories Corporation  
6001 Stonington Street, Suite 100  
Houston, TX 77040  
Phone: +1 713 849-2021  
Fax: +1 713 849-2022  
sales@smar.com

**SINGAPORE**

Smar Singapore Pte. Ltd.  
315 Outram Road  
#06-07, Tan Boon Liat Building  
Singapore 169074  
Phone: +65 6324-0182  
Fax: +65 6324-0183  
info@smar.com.sg

**BRAZIL**

Smar Equipamentos Ind. Ltda.  
Rua Dr. Antonio Furlan Jr., 1028  
Sertãozinho SP 14170-480  
Phone: +55 16 3946-3510  
Fax: +55 16 3946-3554  
insales@smar.com.br

**GERMANY**

Smar GmbH  
Rheingaustrasse 9  
55545 Bad Kreuznach  
Phone: + 49 671-794680  
Fax: + 49 671-7946829  
infoservice@smar.de

**MEXICO**

Smar Mexico  
Cerro del Cubilete #140  
Fracc. Lomas de Mazatlán  
C.P. 82110 Mazatlán, Sinaloa,  
Phone / Fax: 52 + (669) 984 47 34  
Phone / Fax: 52 + (669) 913 32 96  
ventas@smar.com

**NETHERLANDS**

Smar Netherlands  
A. van Leeuwenhoekweg 19b  
2408 AL Alphen aan den Rijn  
Phone: +31 172 494 922  
Fax: +31 172 479 888  
pk@smar.nl

**FRANCE**

Smar France S. A. R. L.  
42, rue du Pavé des Gardes  
F-92370 Chaville  
Phone: +33 1 41 15-0220  
Fax: +33 1 41 15-0219  
smar.adm@wanadoo.fr

**CHINA**

Smar China Corp.  
C-209, Ye Qing Plaza  
No. 9 Wangjijing Beilu  
Chaoyang District  
Beijing 100 102, P.R China  
Phone: +86 10 6439-8693  
Fax: +86 10 6439-0781  
info@smar.com.cn  
www.smar.com.cn

**UNITED KINGDOM**

Smar UK Ltd.  
Bluebell Farm,  
Sandy Lane  
Romsey,  
Hampshire  
SO51 0PD  
Phone: +44 (0)797 0094138  
Fax: +44 (0)797 4747502  
info@smaruk.co.uk

Plus a network of  
representatives in 58 countries.  
For your nearest representative  
please contact:  
insales@smar.com.br

**smar**  
www.smar.com

