



# BUSSOLE DI RIDUZIONE

# REDUCTION BUSHES



**I** Le bussole di riduzione con battuta consentono il fissaggio di barenì o punte con codolo cilindrico o a cono morse su portautensili di macchine a controllo numerico.

La nostra produzione delle bussole si articola su quattro tipi differenti:

- 1- bussola con fissaggio dell'utensile a mezzo di grani
- 2- bussola asolata con fissaggio diretto dell'utensile
- 3- bussola cilindrica
- 4- bussola conica
- 5- bussola elastica

Per ogni tipo sono previste diverse grandezze formando così una gamma completa che può soddisfare le più svariate esigenze.

**GB** The reduction bushes with flanges allow boring bars or drills with a cylindrical shaft or clamp cone to be fixed to the toolholders of numerically controlled machine tools.

Five different types of bushes are available:

- 1- bushes to be fixed to tool by means of dowels
- 2- slotted bushes to be directly fastened to tool
- 3- cylindrical bushes
- 4- conical bushes
- 5- elastic bushes

We manufacture each type in different sizes in order to offer a complete range capable of meeting every need.

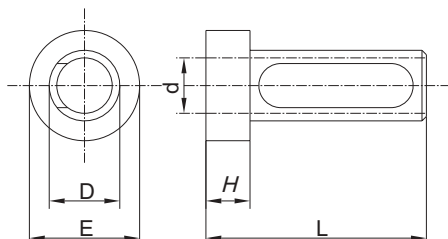




# BUSSOLE CILINDRICHE

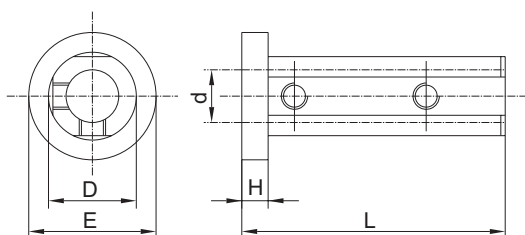
# CYLINDRICAL BUSHES

D = 16 mm

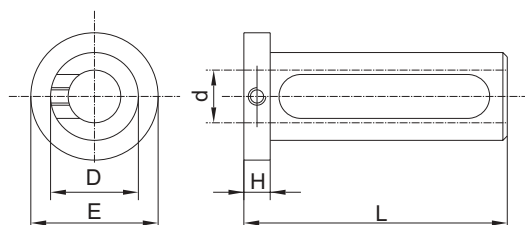


COD. ART	D	d	L	H	E
B16-06-50	16	6	50	5	20
B16-08-50	16	8	50	5	20
B16-10-50	16	10	50	5	20
B16-12-50	16	12	50	5	20

D = 19,05 mm ( 3/4" )

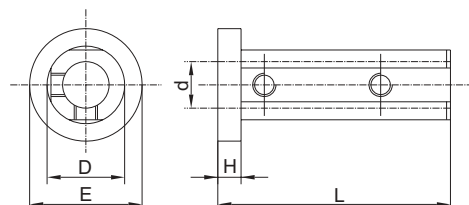


COD. ART	D	d	L	H	E
B19,05-06-60	19,05	6	60	6	27
B19,05-08-60	19,05	8	60	6	27
B19,05-10-60	19,05	10	60	6	27

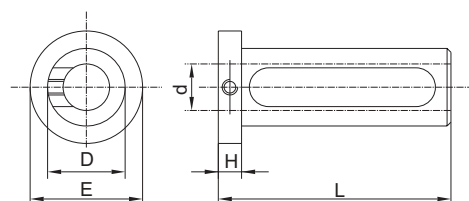


COD. ART	D	d	L	H	E
B19,05-12-60	19,05	12	60	10	27
B19,05-14-60	19,05	14	60	10	27
B19,05-16-60	19,05	16	60	10	27

D = 20 mm



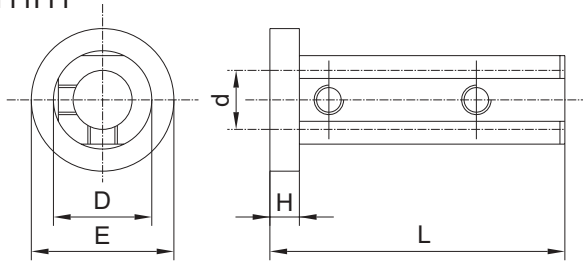
COD. ART	D	d	L	H	E
B20-06-60	20	6	60	6	27
B20-08-60	20	8	60	6	27
B20-10-60	20	10	60	6	27



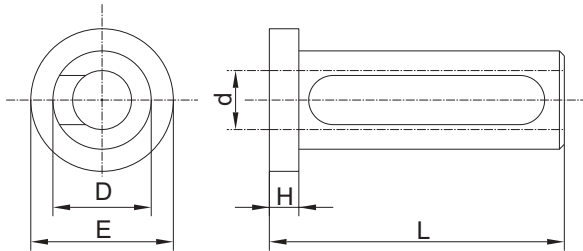
COD. ART	D	d	L	H	E
B20-12-60	20	12	60	10	27
B20-14-60	20	14	60	10	27
B20-16-60	20	16	60	10	27



D = 22 mm

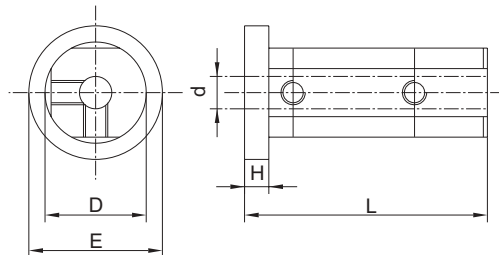


COD. ART	D	d	L	H	E
B22-06-60	22	6	60	6	28
B22-08-60	22	8	60	6	28
B22-10-60	22	10	60	6	28

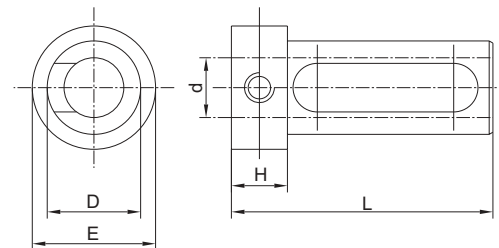


COD. ART	D	d	L	H	E
B22-12-60	22	12	60	6	28
B22-14-60	22	14	60	6	28
B22-16-60	22	16	60	6	28

D = 25 mm

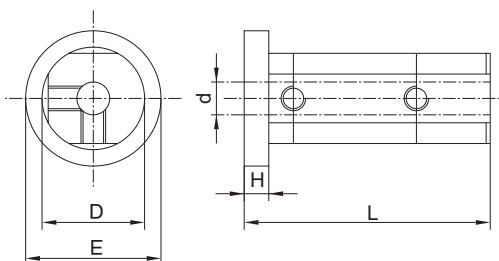


COD. ART	D	d	L	H	E
B25-06-60	25	6	60	6	33
B25-08-60	25	8	60	6	33
B25-10-60	25	10	60	6	33
B25-12-60	25	12	60	6	33

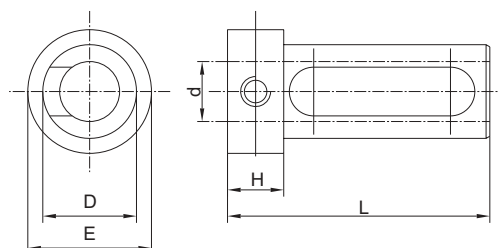


COD. ART	D	d	L	H	E
B25-14-70	25	14	70	13	33
B25-16-70	25	16	70	13	33
B25-18-70	25	18	70	13	33
B25-20-70	25	20	70	13	33

D = 25,40 mm ( 1" )



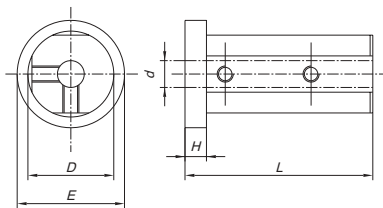
COD. ART	D	d	L	H	E
B25,40-06-60	25,40	6	60	6	33
B25,40-08-60	25,40	8	60	6	33
B25,40-10-60	25,40	10	60	6	33
B25,40-12-60	25,40	12	60	6	33



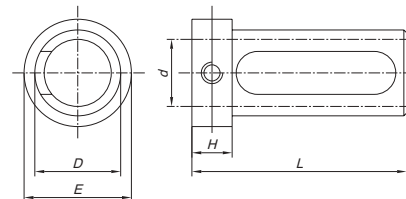
COD. ART	D	d	L	H	E
B25,40-14-70	25,40	14	70	13	33
B25,40-16-70	25,40	16	70	13	33
B25,40-18-70	25,40	18	70	13	33
B25,40-20-70	25,40	20	70	13	33



D = 31,75 mm ( 1 1/4" )

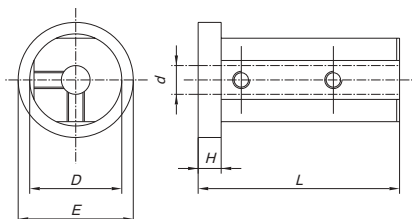


COD. ART	D	d	L	H	E
B31,75-06-60	31,75	6	60	6	39
B31,75-08-70	31,75	8	70	8	39
B31,75-10-70	31,75	10	70	8	39
B31,75-12-70	31,75	12	70	8	39
B31,75-14-70	31,75	14	70	8	39
B31,75-16-70	31,75	16	70	8	39
B31,75-18-70	31,75	18	70	8	39
B31,75-20-70	31,75	20	70	8	39

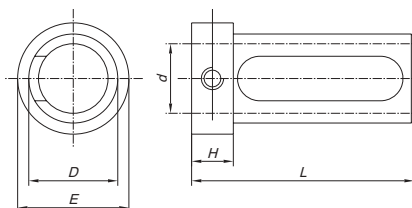


COD. ART	D	d	L	H	E
B31,75-25-80	31,75	25	80	15	39

D = 32 mm

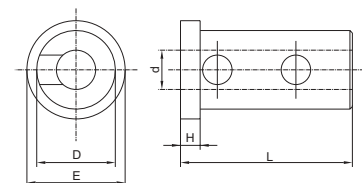


COD. ART	D	d	L	H	E
B32-06-60	32	6	60	6	39
B32-08-70	32	8	70	8	39
B32-10-70	32	10	70	8	39
B32-12-70	32	12	70	8	39
B32-14-70	32	14	70	8	39
B32-16-70	32	16	70	8	39
B32-18-70	32	18	70	8	39
B32-20-70	32	20	70	8	39



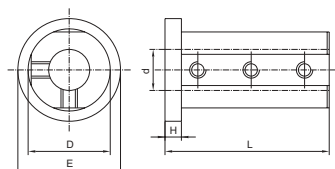
COD. ART	D	d	L	H	E
B32-25-80	32	25	80	15	39

D = 35 mm

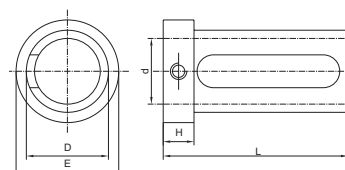


COD. ART	D	d	L	H	E
B35-08-80	35	8	80	8	44
B35-10-80	35	10	80	8	44
B35-12-80	35	12	80	8	44
B35-16-80	35	16	80	8	44
B35-20-80	35	20	80	8	44
B35-25-80	35	25	80	8	44
B35-32-80	35	32	80	8	44

D = 40 mm



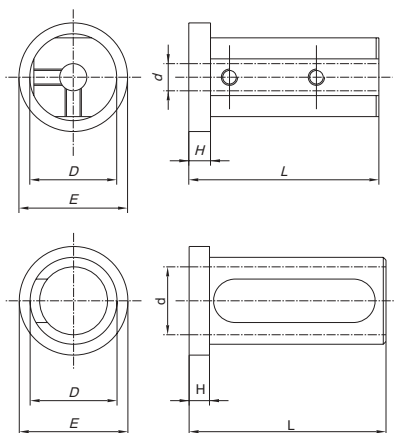
COD. ART	D	d	L	H	E
B40-06-60	40	6	60	6	49
B40-08-80	40	8	80	8	49
B40-10-80	40	10	80	8	49
B40-12-80	40	12	80	8	49
B40-14-80	40	14	80	8	49
B40-16-80	40	16	80	8	49
B40-18-80	40	18	80	8	49
B40-20-80	40	20	80	8	49
B40-25-80	40	25	80	8	49



COD. ART	D	d	L	H	E
B40-32-90	40	32	90	15	49



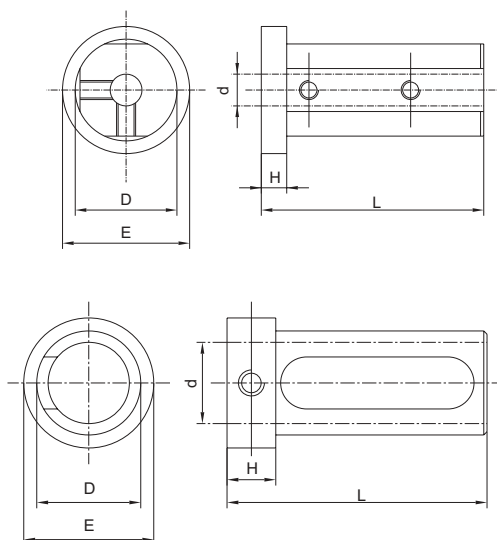
D = 45 mm



COD. ART	D	d	L	H	E
B45-08-80	45	8	80	8	54
B45-10-80	45	10	80	8	54
B45-12-80	45	12	80	8	54
B45-16-80	45	16	80	8	54
B45-20-80	45	20	80	8	54
B45-25-80	45	25	80	8	54

COD. ART	D	d	L	H	E
B45-32-80	45	32	80	8	54
B45-40-80	45	40	80	8	54

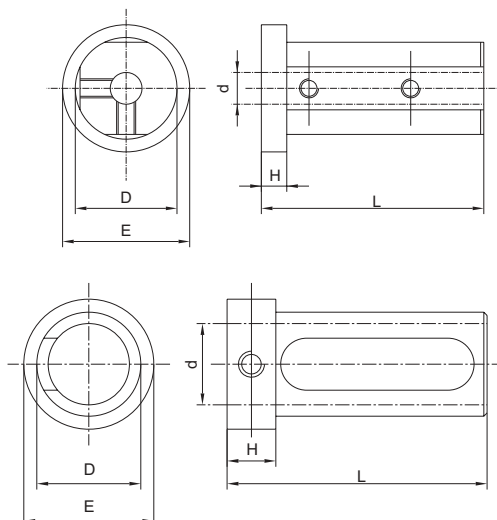
D = 50 mm



COD. ART	D	d	L	H	E
B50-08-90	50	8	90	8	59
B50-10-90	50	10	90	8	59
B50-12-90	50	12	90	8	59
B50-14-90	50	14	90	8	59
B50-16-90	50	16	90	8	59
B50-18-90	50	18	90	8	59
B50-20-90	50	20	90	8	59
B50-25-90	50	25	90	8	59
B50-32-90	50	32	90	8	59

COD. ART	D	d	L	H	E
B50-40-100	50	40	100	15	59

D = 60 mm



COD. ART	D	d	L	H	E
B60-12-80	60	12	97	8	69
B60-16-80	60	16	97	8	69
B60-20-80	60	20	97	8	69
B60-25-80	60	25	97	8	69
B60-32-80	60	32	97	8	69

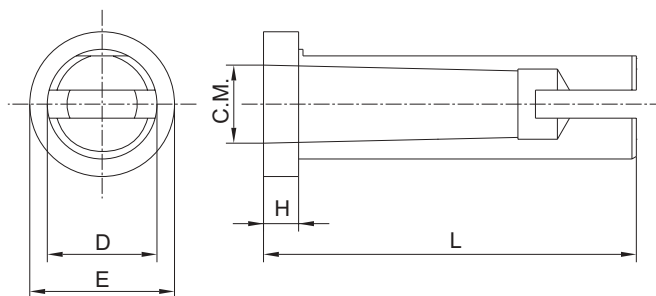
COD. ART	D	d	L	H	E
B60-40-97	60	40	97	8	69
B60-50-97	60	50	97	8	69



# BUSSOLE CONICHE

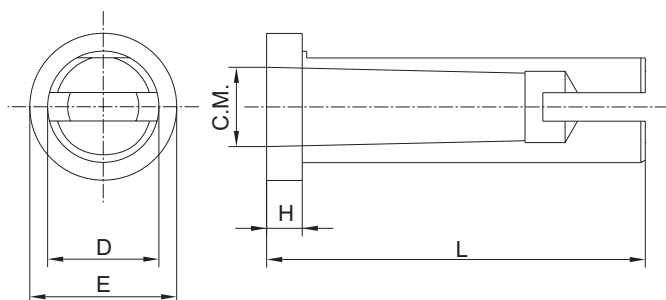
# CONICAL BUSHES

D = 25 mm



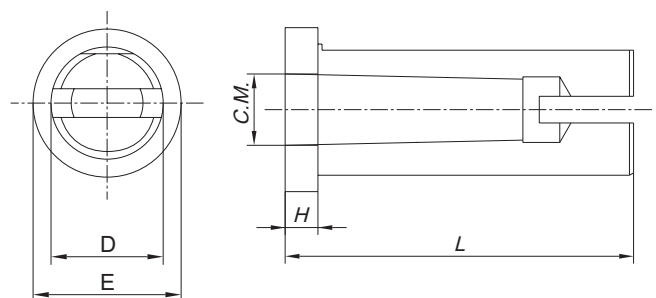
COD. ART	D	CM	L	H	E
BC25-01-65	25	1	65	6	33
BC25-02-78	25	2	78	8	33

D = 25,40 mm ( 1" )



COD. ART	D	CM	L	H	E
BC25,40-01-65	2540	1	65	6	33
BC25,40-02-78	2540	2	78	8	33

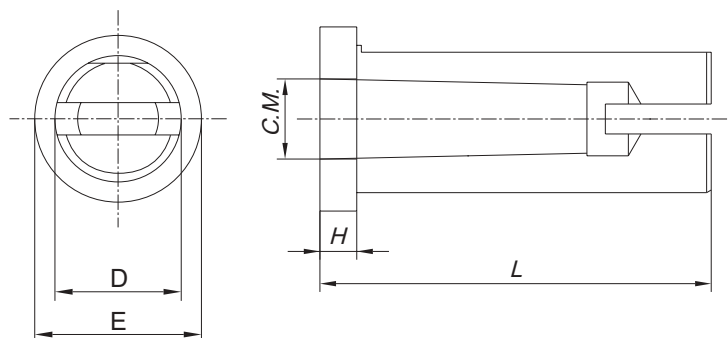
D = 31,75 mm ( 1 1/4" )



COD. ART	D	CM	L	H	E
BC31,75-01-65	31,75	1	65	6	39
BC31,75-02-78	31,75	2	78	8	39
BC31,75-03-97	31,75	3	97	8	39

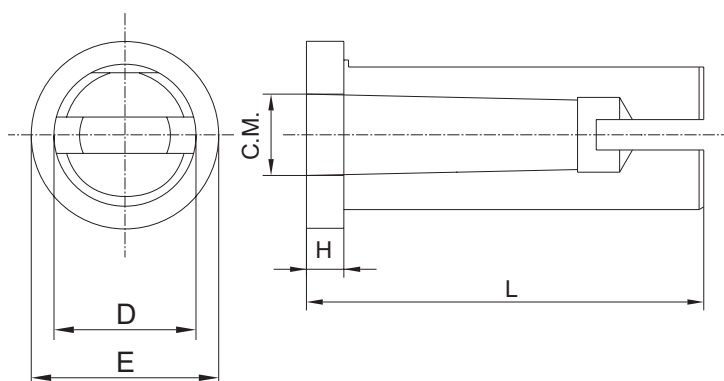


D = 32 mm



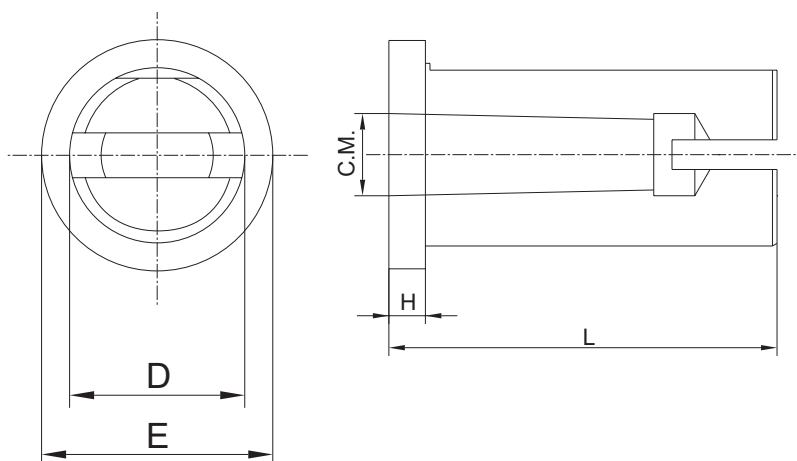
COD. ART	D	CM	L	H	E
BC32-01-65	32	1	65	6	39
BC32-02-78	32	2	78	8	39
BC32-03-97	32	3	97	8	39

D = 35 mm



COD. ART	D	CM	L	H	E
BC35-01-65	35	1	65	6	44
BC35-02-78	35	2	78	8	44
BC35-03-97	35	3	97	8	44

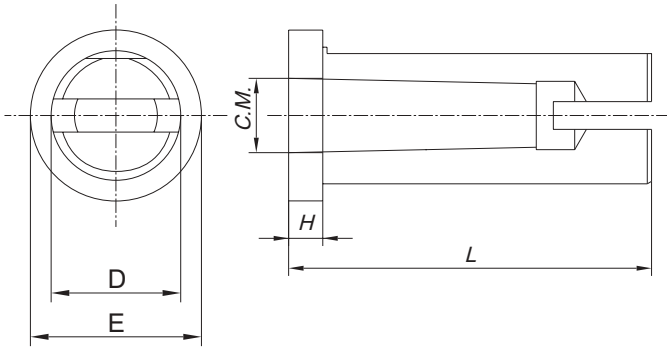
D = 40 mm



COD. ART	D	CM	L	H	E
BC40-01-65	40	1	65	6	49
BC40-02-78	40	2	78	8	49
BC40-03-97	40	3	97	8	49
BC40-04-120	40	4	120	8	49

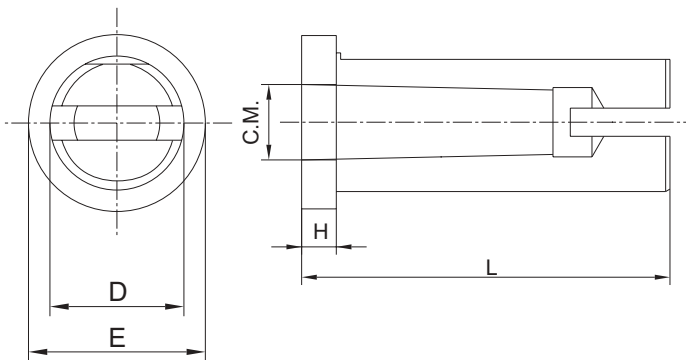


D = 45 mm



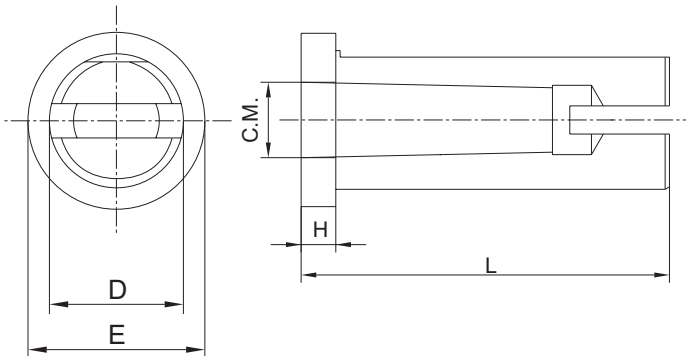
COD. ART	D	CM	L	H	E
BC45-02-78	45	2	78	8	54
BC45-03-97	45	3	97	8	54
BC45-04-120	45	4	120	8	54

D = 50 mm



COD. ART	D	CM	L	H	E
BC50-02-78	50	2	78	8	59
BC50-03-97	50	3	97	8	59
BC50-04-120	50	4	120	8	59

D = 60 mm



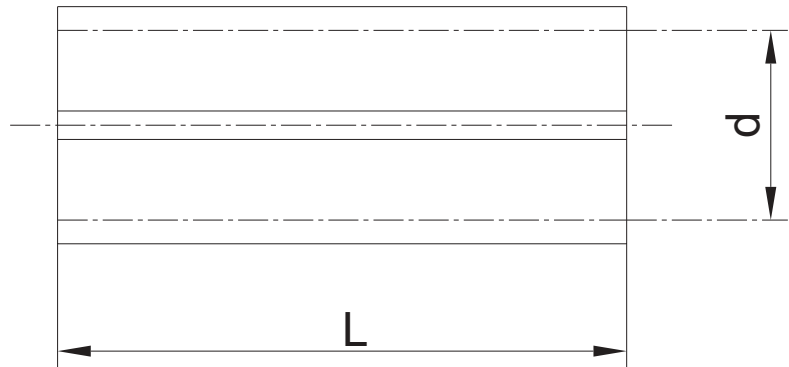
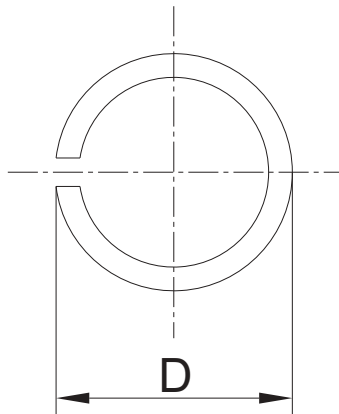
COD. ART	D	CM	L	H	E
BC60-02-78	60	2	78	8	69
BC60-03-97	60	3	97	8	69
BC60-04-120	60	4	120	8	69
BC60-05-155	60	5	155	8	69



# B

USSOLE ELASTICHE

# E

LASTIC BUSHES

COD. ART	D	d	L
BE-16-12-40	16	12	40
BE-20-16-50	20	16	50
BE-25-20-60	25	20	60
BE-32-25-70	32	25	70
BE-40-32-80	40	32	80
BE-50-40-90	50	40	90





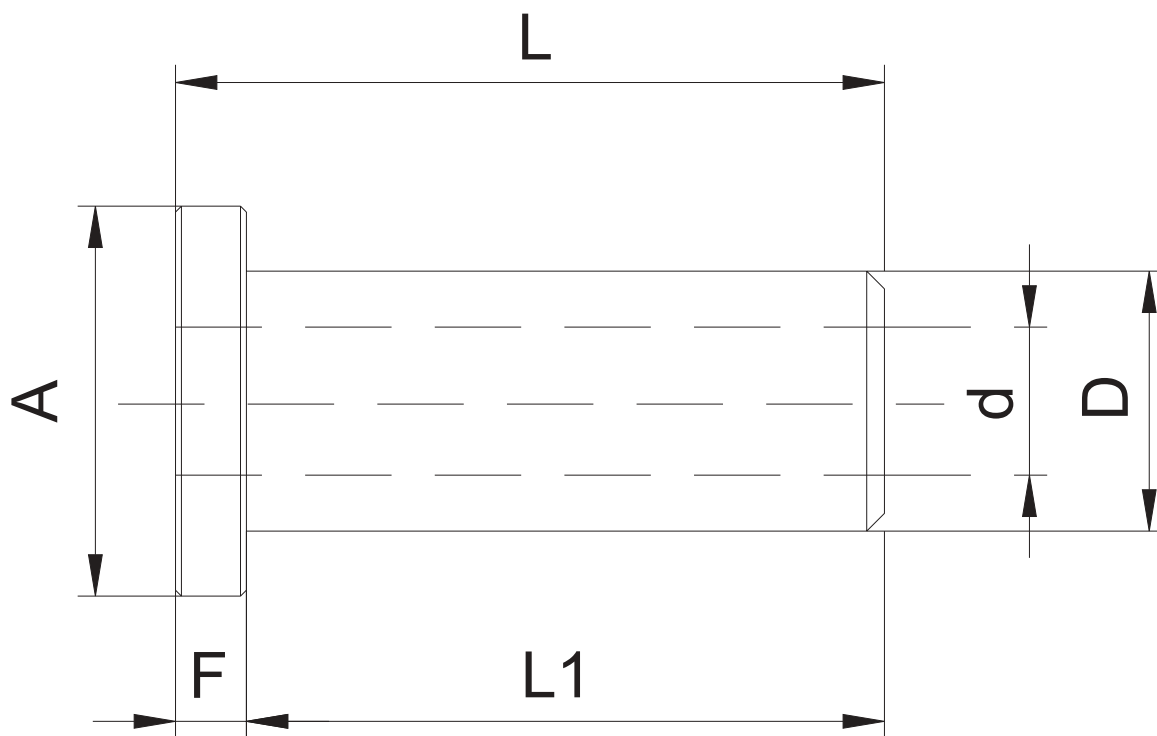
# BUSSOLE SPECIALI

# SPECIAL BUSHES

**I** Se siete interessati a Bussole speciali non comprese nel presente catalogo, inviateci questa pagina debitamente compilata: sarà nostra cura servirVi al meglio e con la massima tempestività.

**GB** If you are interested in special Bushes not included in this catalogue, fill out this page and send it to us: we shall do our best to provide you with prompt, efficient service.

Disegno tecnico da compilare per richiesta Bussole speciali  
*Technical drawing to be filled out for requesting special Bushes.*



A	d	D	F	L	L1			