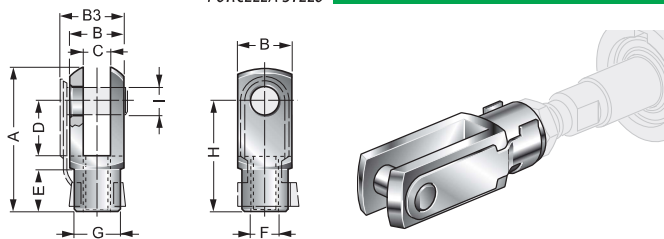


CLEVIS (ROD) MOUNTING  
FORCELLA STELO

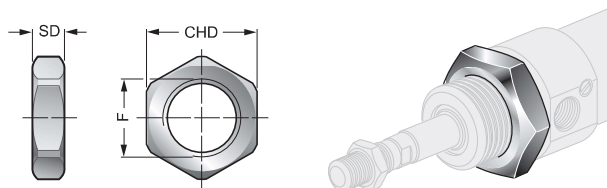
FS/..x..



Bore Alesaggio	A	B	B3	C <sup>B12</sup>	D	E	ØF	ØG	H	ØI <sup>H9</sup>	Code Codice
12	31	12	16	6	12	9	M6x1	10	24	6	FS/6x1
16	31	12	16	6	12	9	M6x1	10	24	6	FS/6x1
20	42	16	22	8	16	12	M8x1,25	14	32	8	FS/8x1,25
25	52	20	26	10	20	15	M10x1,25	18	40	10	FS/10x1,25

CAP NUT  
DADO TESTATA

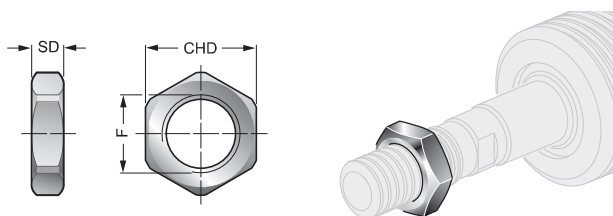
DM../..



Bore Alesaggio	CHD	SD	ØF	Code Codice
12	24	8	M16x1,5	DM12/16
16	24	8	M16x1,5	DM12/16
20	32	10	M22x1,5	DM20/25
25	32	10	M22x1,5	DM20/25

ROD NUT  
DADO STELO

DS../..

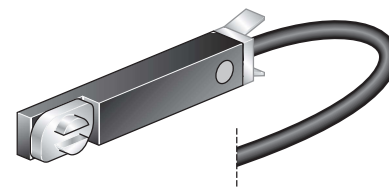
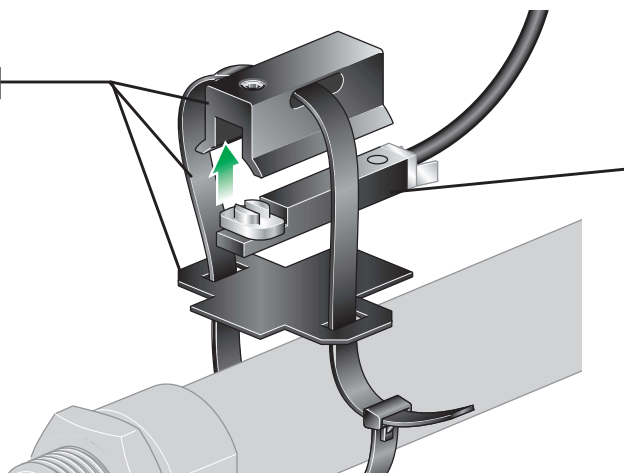


Bore Alesaggio	CHD	SD	ØF	Code Codice
12	10	4	M6x1	DS12/16
16	10	4	M6x1	DS12/16
20	13	5	M8x1,25	DS/20
25	17	6	M10x1,25	DS/25

MAGNETIC SWITCHES FOR ISO 6432 CYLINDER / FINECORSA MAGNETICI PER CILINDRI ISO 6432

FFS 0 1 VN

Bore  
Alesaggio  
(mm):  
Ø12 ... **12**  
Ø16 ... **16**  
Ø20 ... **20**  
Ø25 ... **25**

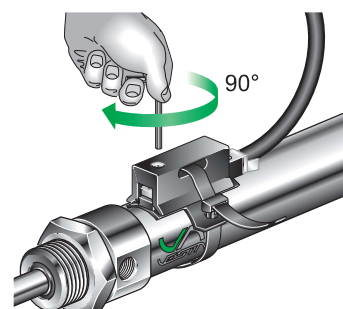
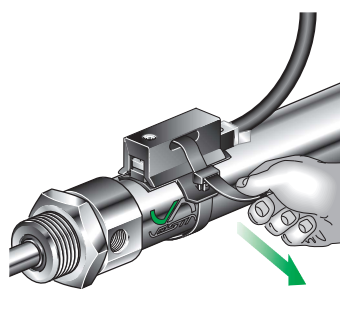
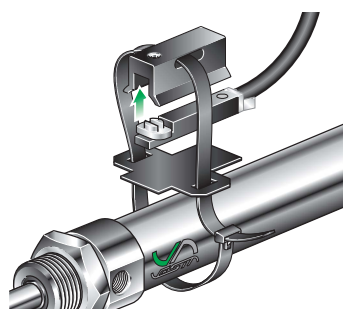
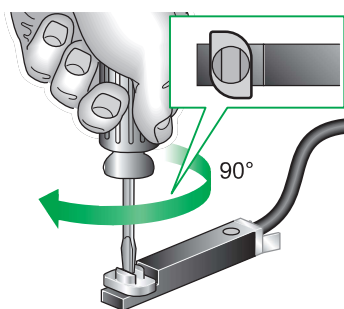


For magnetic switches features see:  
Caratteristiche finecorsa magnetici vedi:

**VNCR2, VNPR2,  
VNCE3, VNPE3.**

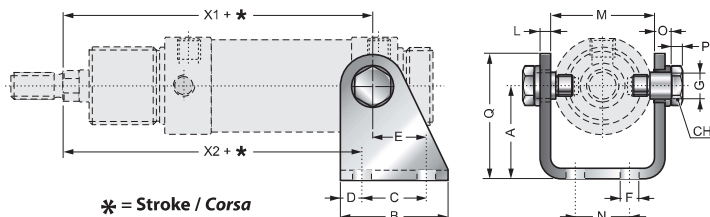
Pag. A-19

MAGNETIC SWITCH POSITIONING / POSIZIONAMENTO DEI FINECORSA MAGNETICI



**FIXING ACCESSORIES FOR ACMT AND DVMT / ACCESSORI DI FISSAGGIO PER ACMT E DVMT**

Note: the fixing screws are not included in the supply of the fittings / le viti di fissaggio non sono comprese nella fornitura degli accessori.

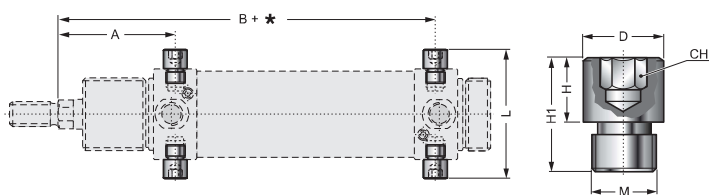
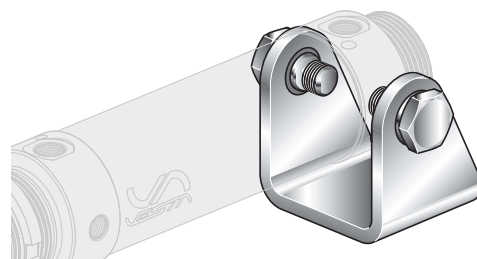


\* = Stroke / Corsa

Bore Alesaggio	X1	X2	A	B	C	CH	D	E	ØF	ØG	L	M	N	O	P	Q	Code Codice
32	125	121	35	40	24	13	8	20	7	10	4	38,1	20	6	4	47	AS/32
40	146	143	40	50	30	17	10	27	9	12	5	46,1	28	7	5	53	AS/40
50	158	154	45	54	34	19	10	30	9	14	6	57,1	36	8,5	6	59	AS/50

REAR HINGE HORIZONTAL MOUNTING  
MONTAGGIO A CONTROCERNIERA

AS/..

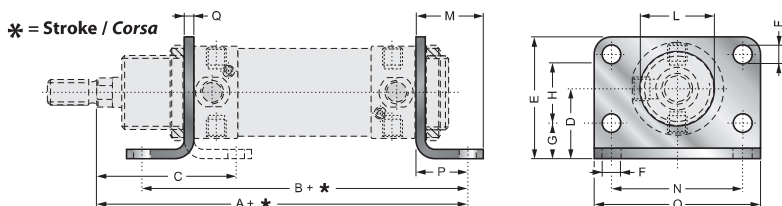
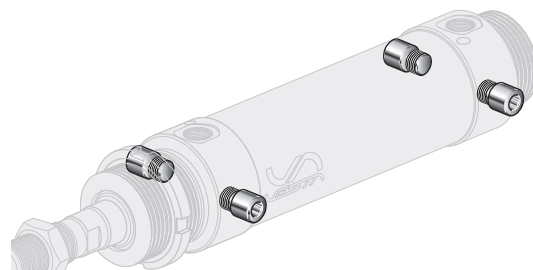


\* = Stroke / Corsa

Bore Alesaggio	A	B	CH	ØD	H	H1	L	M	Code Codice
32	47	125	5	10	8	14	51	M8x1	CBF/32
40	57	146	6	12	9,5	16,5	61	M10x1	CBF/40
50	62	158	6	14	11	20	75	M12x1,5	CBF/50

PIVOT FOR FLOATING HINGE MOUNTING  
PERNI PER MONTAGGIO A CERNIERA OSCILLANTE

CBF/..



Bore Alesaggio	A	B	C	D	E	F	G	H	L	M	N	O	P	Q	Code Codice
32	148	124	48	28	49	7	14	28	30	21	52	66	14	4	P/32
40	178	153	60	33	58	9	18	30	38	30	60	80	20	5	P/40
50	190	160	64	40	70	9	20	40	45	30	70	90	20	6	P/50

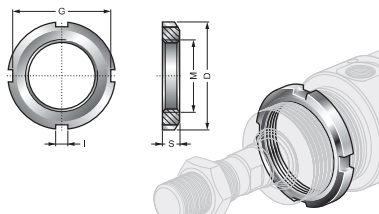
FOOT MOUNTING  
MONTAGGIO A PIEDINI

P/..



RING NUT FOR FIXING  
GHIERA DI FISSAGGIO

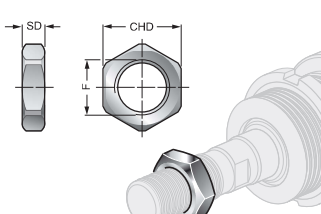
GM/..



Bore Alesaggio	ØD	G	I	M	S	Code Codice
32	45	40	5	M30x1,5	7	GM/32
40	50	46	5	M38x1,5	8	GM/40
50	58	52	6	M45x1,5	9	GM/50

ROD NUT  
DADO STELO

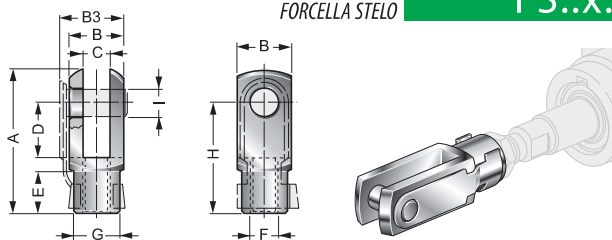
DST/..



Bore Alesaggio	CHD	F	SD	Code Codice
32	17	M10x1,5	6	DST/32
40	19	M12x1,75	7	DST/40
50	24	M16x2	8	DST/50

CLEVIS (ROD) MOUNTING  
FORCELLA STELO

FS..x..



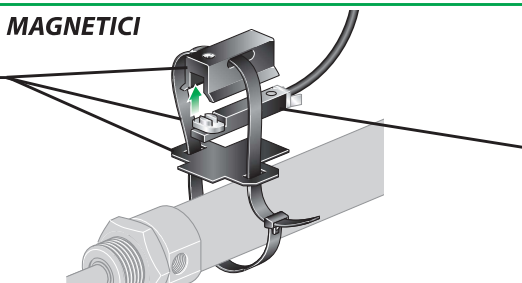
Bore Alesaggio	A	B	B3	C <sup>B12</sup>	D	E	ØF	ØG	H	ØH <sup>9</sup>	Code Codice
32	52	20	26	10	20	15	M10 x 1,5	18	40	10	FS/10x1,5
40	62	24	32	12	24	18	M12 x 1,75	20	48	12	FS/12x1,75
50	83	32	40	16	32	24	M16 x 2	26	64	16	FS/16x2

**MAGNETIC SWITCHES / FINECORSA MAGNETICI**

FFS 0 2 VN

Bore Alesaggio (mm):

Ø32 ...	<b>32</b>
Ø40 ...	<b>40</b>
Ø50 ...	<b>50</b>



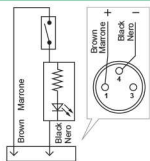
For magnetic switches features see:  
Caratteristiche finecorsa magnetici vedi:  
**VNCR2, VNPR2, VNCE3, VNPE3.**  
General catalogue ..... Pag. **A-19**

MAGNETIC SWITCHES FOR NWT CYLINDERS / FINECORSA MAGNETICI PER CILINDRI NWT

circuit / circuito

WITH CONNECTOR  
CON CONNETTORE  
**VNCR2**

REED

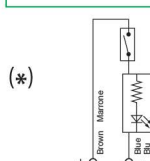


Cable standard length / Lunghezza cavo standard: 300 mm

circuit / circuito

(\*) WITH DIRECT CABLE  
CON CAVO DIRETTO  
**VNPR2**

REED

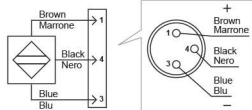


Cable standard length / Lunghezza cavo standard: 3000 mm

circuit / circuito

WITH CONNECTOR 3 POLES  
CON CONNETTORE 3 POLI  
**VNCE3**

ELECTRONIC  
(PNP)

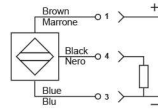


Cable standard length / Lunghezza cavo standard: 300 mm

circuit / circuito

WITH DIRECT CABLE 3 POLES  
CON CAVO DIRETTO 3 POLI  
**VNPE3**

ELECTRONIC  
(PNP)

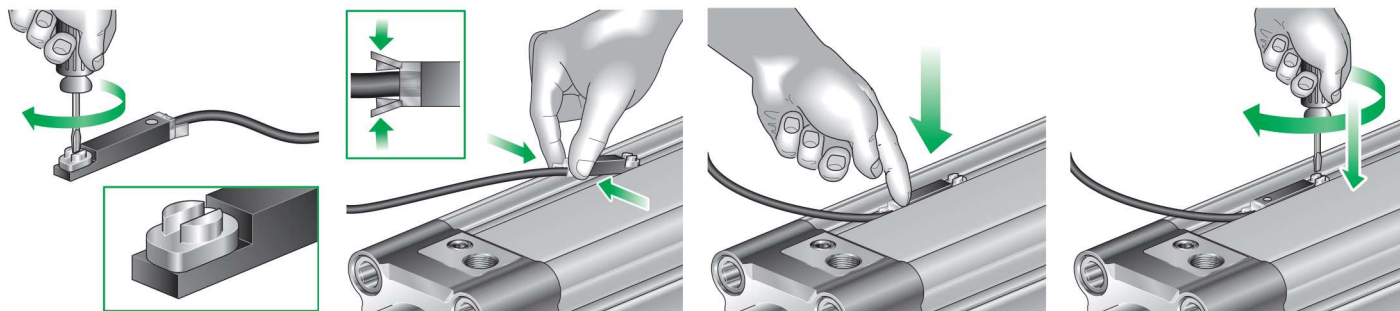


Cable standard length / Lunghezza cavo standard: 3000 mm

(\*) Available on request **VNPR2** for series connection of switches, order code **VNPR3**.  
A richiesta è fornibile il sensore **VNPR2** adatto al collegamento in serie di più sensori, con codice **VNPR3**.

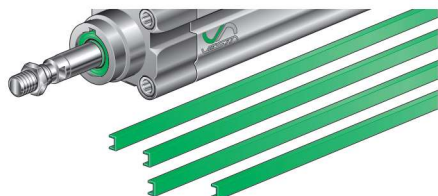
Code Codice	Voltage range Tensione max	Switching current Corrente a 25 °C	Switching capacity Potenza Induttiva	Degree of protection Grado di protezione	Working temperature Temperatura di lavoro	ON time Tempo di inserzione	OFF time Tempo di disinserzione	Electric life Vita elettrica	Contact resistance Resistenza di contatto	Contact function Contatto
	V	mA	VA		°C	-	-	impulsi	Ω	
<b>VNCR2</b>	3-48 AC-DC	100	6	IP67	-20 ÷ +85	0,5 msec	0,1 msec	10 <sup>7</sup>	0,1	
<b>VNPR2</b>	3-48 AC-DC	100	6	IP67	-20 ÷ +85	0,5 msec	0,1 msec	10 <sup>7</sup>	0,1	
<b>VNCE3</b>	6-30 DC	200	4	IP67	-20 ÷ +85	0,8 µsec	0,3 µsec	10 <sup>9</sup>	-	
<b>VNPE3</b>	6-30 DC	200	4	IP67	-20 ÷ +85	0,8 µsec	0,3 µsec	10 <sup>9</sup>	-	

MAGNETIC SWITCH POSITIONING / POSIZIONAMENTO DEI FINECORSA MAGNETICI



SPARE PARTS FOR NWT CYLINDERS / RICAMBI PER CILINDRI NWT

PLASTIC SLOT COVER  
BANDELLA DI COPERTURA CAVA  
**NWT-PCC**

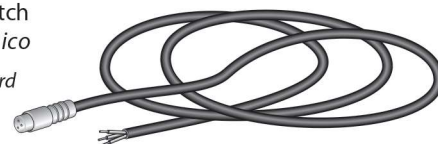


EXTENSION FOR MAGNETIC SWITCH CABLE  
PROLUNGA CAVO SENSORE MAGNETICO  
**VSC-P3 030**

3 poles, for reed or electronic switch  
3 fili, per sensore reed od elettronico

Standard length / Lunghezza standard

3000 mm



Seals kit code = **Cylinder code + Bore + Versions + - SG:**  
(The kit includes all seals).

Codice del kit = **Codice del cilindro + Alesaggio + Versioni + - SG:**  
(Il kit comprende tutte le guarnizioni necessarie).

Example / Esempio: **NWT 63 P VS - SG**

SEALS KIT  
KIT GUARNIZIONI DI RICAMBIO  
**..... - SG**

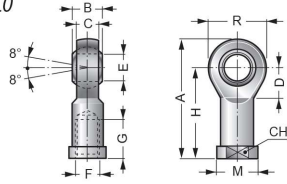




Cylinders fixing for Ø 250 - Ø 320 on request - Fissaggi per cilindri da Ø 250 a Ø320 a richiesta

## SNS/..

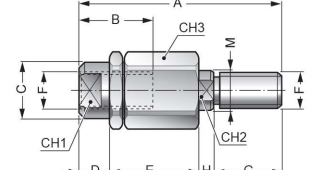
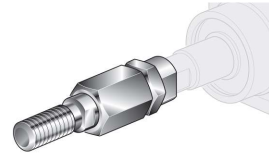
ROD EYE MOUNTING  
SNODO SFERICO



Bore Alesaggio	A	B	C	CH	D	ØEH7	ØF	G	H	ØM	R	Code / Codice
32	57	14	10,5	17	15	10	M10x1,25	20	43	19	28	SNS/10x1,25
40	66	16	12	19	17	12	M12x1,25	22	50	22	32	SNS/12x1,25
50	85	21	15	22	23	16	M16x1,5	28	64	27	42	SNS/16x1,5
63	85	21	15	22	23	16	M16x1,5	28	64	27	42	SNS/16x1,5
80	102	25	18	30	27	20	M20x1,5	33	77	34	50	SNS/20x1,5
100	102	25	18	30	27	20	M20x1,5	33	77	34	50	SNS/20x1,5
125	145	37	25	41	36	30	M27x2	51	110	50	70	SNS/27x2
160	165	43	28	50	41	35	M36x2	56	125	58	80	SNS/36x2
200	165	43	28	50	41	35	M36x2	56	125	58	80	SNS/36x2

## SAS/..

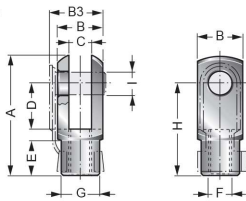
FLOATING JOINT TYPE "S"  
SNODO AUTOALLINEANTE



Bore Alesaggio	A	B	ØC	CH1	CH2	CH3	D	E	ØF	G	H	ØM	Code / Codice
32	71	20	22	19	12	30	11	35	M10x1,25	20	5	14	SAS/32
40	75	20	22	19	12	30	11	35	M12x1,25	24	5	14	SAS/40
50	103	32	32	30	20	41	9	54	M16x1,5	32	8	22	SAS/50-63
63	103	32	32	30	20	41	9	54	M16x1,5	32	8	22	SAS/50-63
80	119	40	32	30	20	41	17	54	M20x1,5	40	8	22	SAS/80-100
100	119	40	32	30	20	41	17	54	M20x1,5	40	8	22	SAS/80-100
125	-	-	-	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-	-	-	-

## FS..x..

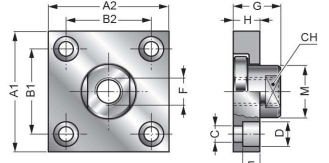
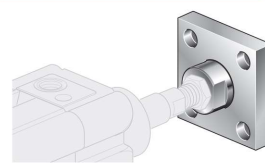
CLEVIS (ROD) MOUNTING  
FORCELLA STELO



Bore Alesaggio	A	B	B3	C <sup>B12</sup>	D	E	ØF	ØG	H	ØH9	Code / Codice
32	52	20	26	10	20	15	M10x1,25	18	40	10	FS/10x1,25
40	62	24	32	12	24	18	M12x1,25	20	48	12	FS/12x1,25
50	83	32	40	16	32	24	M16x1,5	26	64	16	FS/16x1,5
63	83	32	40	16	32	24	M16x1,5	26	64	16	FS/16x1,5
80	105	40	48	20	40	30	M20x1,5	34	80	20	FS/20x1,5
100	105	40	48	20	40	30	M20x1,5	34	80	20	FS/20x1,5
125	148	55	-	30	54	38	M27x2	48	110	30	FS/27x2
160	188	70	-	35	72	40	M36x2	60	144	35	FS/36x2
200	188	70	-	35	72	40	M36x2	60	144	35	FS/36x2

## SAF/..

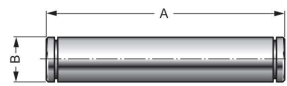
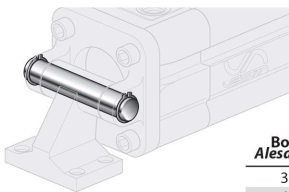
FLOATING JOINT TYPE "F"  
FLANGIA AUTOALLINEANTE



Bore Alesaggio	A1	A2	B1	B2	ØC	ØD	E	ØF	G	H	M	CH	Code / Codice
32	60	37	36	23	6,6	11	7	M10x1,25	24	15	20	17	SAF32
40	60	37	36	23	6,6	11	7	M10x1,25	24	15	20	17	SAF40
50	80	80	58	58	11	18	11	M16x1,5	32	20	30	24	SAF50-63
63	80	80	58	58	11	18	11	M16x1,5	32	20	30	24	SAF50-63
80	90	90	65	65	14	20	13	M20x1,5	35	20	40	36	SAF80-100
100	90	90	65	65	14	20	13	M20x1,5	35	20	40	36	SAF80-100
125	90	90	65	65	14	20	13	M27x2	35	20	40	36	SAF125
160	125	125	90	90	18	26	17	M36x2	55	30	60	50	SAF160
200	125	125	90	90	18	26	17	M36x2	55	30	60	50	SAF200

## USC/..

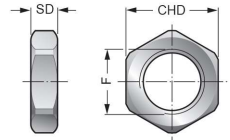
CLEVIS PIN  
PERNO CERNIERA



Bore Alesaggio	A	ØB7	Code Codice
32	54	10	USC/32
40	63	12	USC/40
50	71	12	USC/50
63	81	16	USC/63
80	101	16	USC/80
100	123	20	USC/100
125	141	25	USC/125
160	182	30	USC/160
200	182	30	USC/200

## DM..x..

ROD NUT  
DADO STELO



Bore Alesaggio	CHD	SD	F	Code Codice
32	17	6	M10x1,25	DM10x1,25
40	19	7	M12x1,25	DM12x1,25
50	24	8	M16x1,5	DM16x1,5
63	24	8	M16x1,5	DM16x1,5
80	30	9	M20x1,5	DM20x1,5
100	30	9	M20x1,5	DM20x1,5
125	41	12	M27x2	DM27x2
160	55	18	M36x2	DM36x2
200	55	18	M36x2	DM36x2

## FIXING, MAGNETIC SWITCHES AND SEALS KIT FOR XJC CYLINDER / ACCESSORI E RICAMBI PER CILINDRI XJC

### FJS ... VN

FIXING FOR TIE RODS MOUNTING  
SUPPORTO PER MONTAGGIO SU TIRANTI

For tie rods cylinder  
Per cilindri a tiranti



For magnetic switches features see:  
Caratteristiche fincorsa magnetici vedi:  
**VNCR2, VNPR2, VNCE3, VNPE3.**

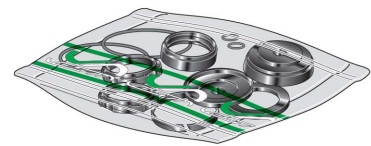
Pag. A-19

### FJS ... VN

Bore Alesaggio (mm):  
Ø 160 ... 160 Ø 200 ... 200

### ..... - SG

SEALS KIT  
KIT GUARNIZIONI DI RICAMBIO



Seals kit code:

**Cylinder code + Bore + Versions + - SG**  
(The kit includes all seals).

Codice del kit:

**Codice del cilindro + Alesaggio + Versioni + - SG**  
(Il kit comprende tutte le guarnizioni necessarie).

Example / Esempio: **XJC 160 PVS - SG**



SEALS KIT - KIT GUARNIZIONI DI RICAMBIO

..... - SG

Seals kit code = **Cylinder code** + **Bore** + **Versions** + **- SG**: (The kit includes all seals).

Codice del kit = **Codice del cilindro** + **Allesaggio** + **Versioni** + **- SG**: (Il kit comprende tutte le guarnizioni necessarie).

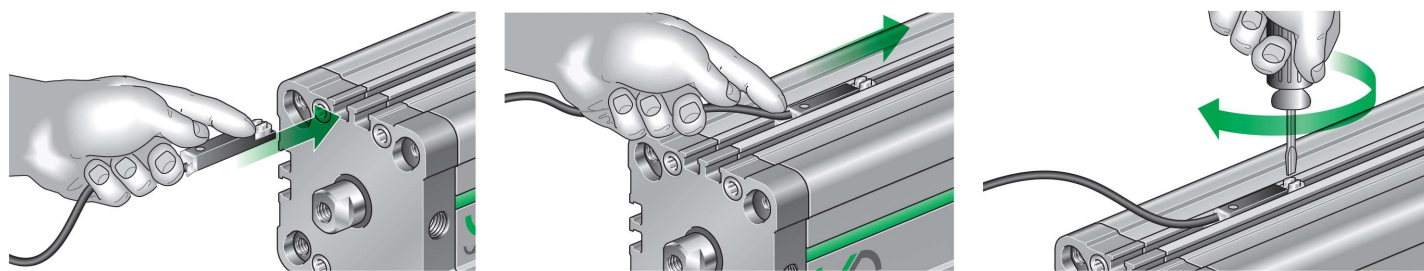
Example / Esempio: **NSK 40 CNP - SG**

MAGNETIC SWITCHES FOR NSK CYLINDERS / FINECORSA MAGNETICI PER CILINDRI NSK

VNCR2 VNPR2 VNCE3 VNPE3

Characteristic magnetic switches see **GENERAL CATALOGUE - Pag. A-19; A-33.**  
 Caratteristiche finecorsa magnetico vedi **CATALOGO GENERALE - Pag. A-19; A-33.**

MAGNETIC SWITCH POSITIONING / POSIZIONAMENTO DEI FINECORSA MAGNETICI



SHORT STROKE CYLINDERS / CILINDRI A CORSA BREVE SERIE SH

SH [ ] - [ ] - [ ] - [ ] [ ] [ ]

**D** Double acting  
Cilindro doppio effetto

**S** Single acting  
Cilindro semplice effetto

**DM** Double effect magnetic  
Doppio effetto magnetico

**SM** Simple effect magnetic  
Semplice effetto magnetico

Stroke / Corsa  
(mm):

**VS** Viton rod seal  
Guarnizione dello stelo in Viton

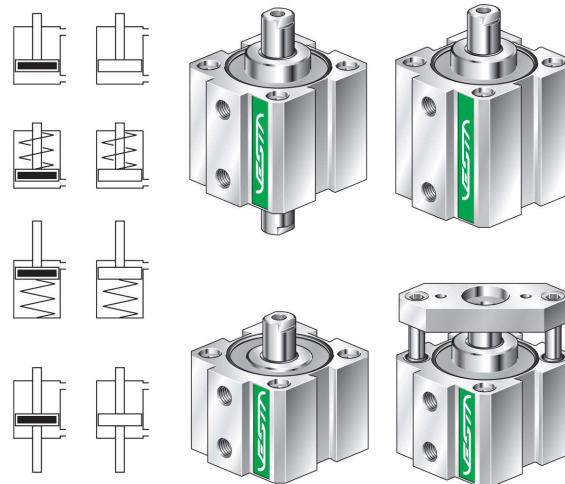
**VV** Viton all seals  
Tutte le guarnizioni in Viton

**P** Through rod cylinder  
Cilindro stelo passante

**AR** Non rotating  
Cilindro antirotazione

Bore / Allesaggio (mm):

Ø12 ..... <b>12</b>	Ø63 ..... <b>63</b>
Ø16 ..... <b>16</b>	Ø80 ..... <b>80</b>
Ø20 ..... <b>20</b>	Ø100 ... <b>100</b>
Ø25 ..... <b>25</b>	Ø125 ... <b>125</b>
Ø32 ..... <b>32</b>	Ø160 ... <b>160</b>
Ø40 ..... <b>40</b>	Ø200 ... <b>200</b>
Ø50 ..... <b>50</b>	



Features of reed switches see:  
 Caratteristiche finecorsa magnetici: ..... **Pag. A-38**

Piston rod .....	Stainless steel X10 Cr Ni S 18-09 (Ø125÷200 X 20 Cr 13)
Barrel .....	Anodized profiled aluminium tube.
Seals .....	NBR rubber and polyurethane.
Cushioning .....	Mechanical buffers.

Ambient temperature range .....	-20 °C ÷ +60 °C.
Temperature range of medium .....	0 °C ÷ +30 °C.
Lubrication .....	Not required.
Medium .....	Filtered air.
Max operating pressure .....	10 bar.

TECHNICAL FEATURES

Stelo .....	Acciaio inox X10 Cr Ni S 18-09 (Ø125÷200 X 20 Cr 13)
Camicia .....	Tubo profilato ed anodizzato d' alluminio.
Guarnizioni .....	NBR e poliuretano.
Ammortizzatori .....	Smorzatore meccanici d' urto.

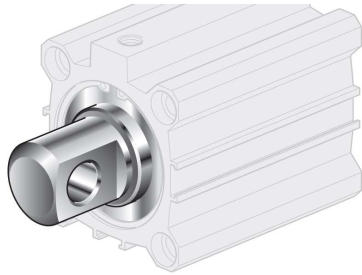
Temperatura ambiente .....	-20 °C ÷ +60 °C.
Temperatura fluido .....	0 °C ÷ +30 °C.
Lubrificazione .....	Non necessaria.
Fluido .....	Aria filtrata.
Pressione max d'esercizio .....	10 bar.

CARATTERISTICHE TECNICHE

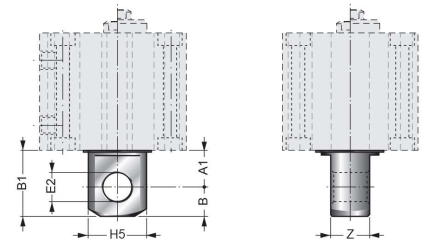


## SHCM/..

CLEVIS MALE MOUNTING FOR SH  
MONTAGGIO A CERNIERA MASCHIO PER SH



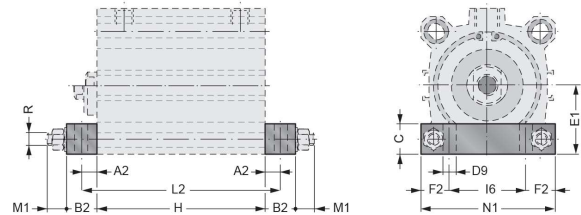
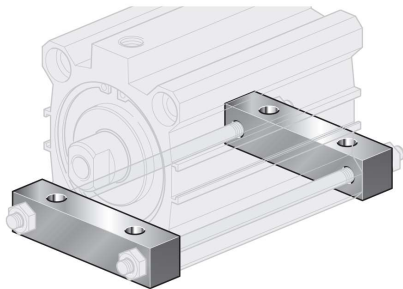
Bore Alesaggio	A1	B	ØE2 <sup>H8</sup>	ØH5	Z	B1	Code Codice
16	8	6	6	12	7	14	SHCM/16
20	10	8	8	16	9	18	SHCM/20
25	10	8	8	16	9	18	SHCM/25
32	13	10	10	20	14	23	SHCM/32
40	15	12	12	24	16	27	SHCM/40
50	15	12	12	24	17	27	SHCM/50
63	19	16	16	32	22	35	SHCM/63
80	19	16	16	32	22	35	SHCM/80
100	23	20	20	40	26	43	SHCM/100



H = See previous pages  
Vedi pagine precedenti

## SHP/..

FOOT MOUNTING FOR SH  
MONTAGGIO A PIEDINI PER SH



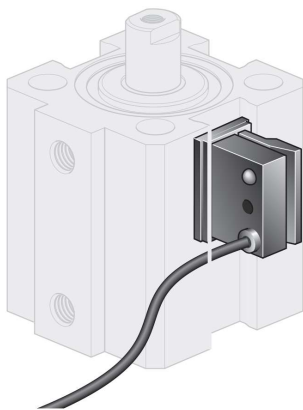
Bore Alesaggio	A2	B2	C	ØD9	E1	F2	I6	L2	M1	N1	ØR	Code Codice
16	5	10	10	3,5	17	5	30	H+10	2,4	40	M3	SHP/16
20	5	10	10	5,5	18	5	40	H+10	4	50	M5	SHP/20
25	6	12	12	5,5	20	7,5	45	H+12	4	60	M5	SHP/25
32	6	12	12	5,5	24	5	50	H+12	4	60	M5	SHP/32
40	6	12	12	5,5	27,5	5	60	H+12	4	70	M5	SHP/40
50	7,5	15	15	6,5	32,5	5	70	H+15	5	80	M6	SHP/50
63	7,5	15	15	8,5	40	7,5	85	H+15	6,5	100	M8	SHP/63
80	10	20	20	8,5	50	20	60	H+20	6,5	100	M8	SHP/80
100	10	20	20	10,5	62	22	80	H+20	8	124	M10	SHP/100

H = See previous pages  
Vedi pagine precedenti

## REED SWITCHES FOR SH\_ CYLINDERS / FINECORSA PER CILINDRI SH\_

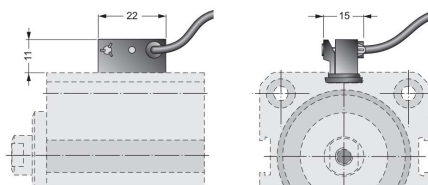
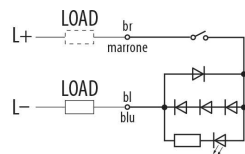
### FTV 306 V

REED SWITCHES  
FINECORSA MAGNETICO



Cable  
Cavo L=3m

FTV 306 V circuit - Circuito FTV 306 V



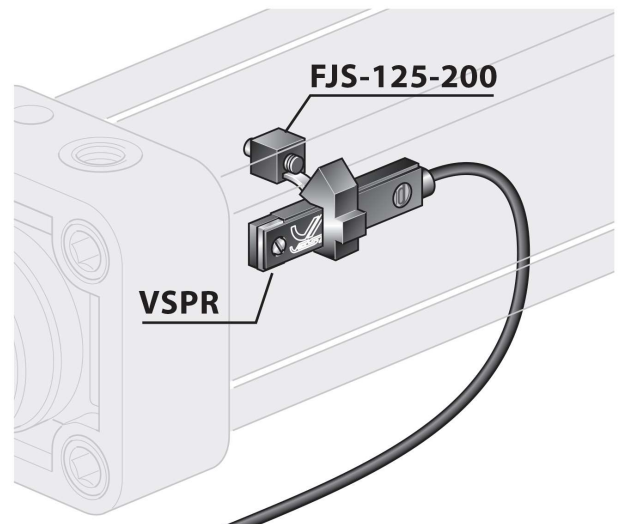
Circuit code Codice Circuito	Voltage range Tensione V	Switching current Corrente mA	Switching capacity Potenza VA/W	Degree of protection Protezione	Working temperature Temperatura °C	Contact function Contatto
FTV 306 V	10-250 AC-DC	300	10/10	IP65	-25 ÷ +75	

### FJS-125-200

FIXING FOR THE RODS MOUNTING  
SUPPORTO PER MONTAGGIO SU TIRANTI

### VSPR

REED SWITCHES  
FINECORSA MAGNETICO



## ..... - SG

SEALS KIT  
KIT GUARNIZIONI DI RICAMBIO



Seals kit code = **Cylinder code** + **Bore** + **Versions** + **- SG**: (The kit includes all seals).

Codice del kit = **Codice del cilindro** + **Alesaggio** + **Versioni** + **- SG**: (Il kit comprende tutte le guarnizioni necessarie).

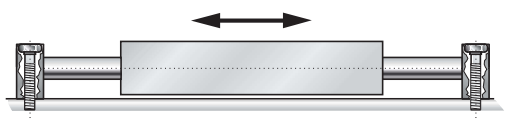
Example / Esempio: **SHDM 32 P - SG**



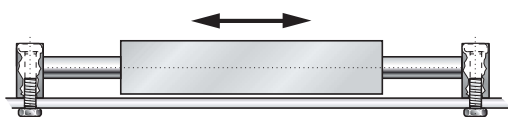
## MOUNTING TYPE AND FIXING POSSIBILITY / TIPI DI MONTAGGI E POSSIBILITA' DI FISSAGGIO

**PS-PM ..**

PNEUMATIC SLIDE AT PLATE MOUNTING  
SLITTA PNEUMATICA A PIASTRE FISSE



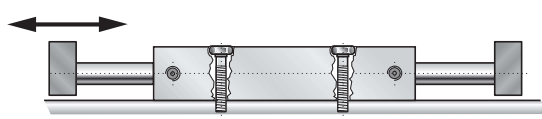
Mounting from upper face  
Fissaggio con viti dall'alto



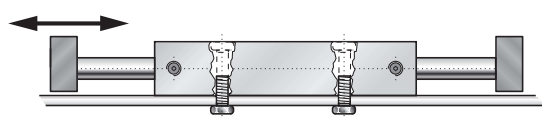
Mounting from lower face  
Fissaggio con viti da sotto

**PS-BM ..**

PNEUMATIC SLIDE AT BODY MOUNTING  
SLITTA PNEUMATICA A CORPO FISSO

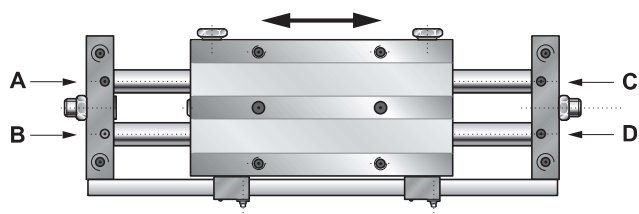


Mounting from upper face  
Fissaggio con viti dall'alto

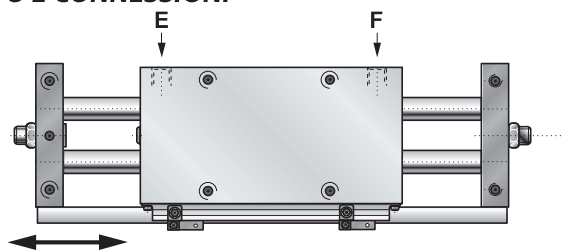


Mounting from lower face  
Fissaggio con viti da sotto

## WORKING DIRECTION AND PORTS / DIREZIONE DI MOVIMENTO E CONNESSIONI



Port Ingresso	A	B	C	D
Plate working direction Direzione di lavoro delle piastre	Right destra	Left sinistra	Right destra	Left sinistra

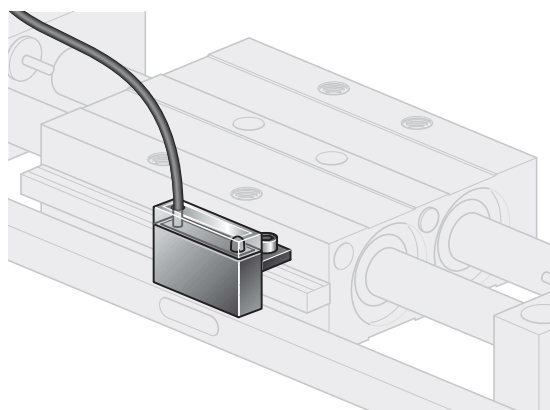


Port Ingresso	E	F
Plate working direction Direzione di lavoro delle piastre	Right destra	Left sinistra

## MAGNETIC SWITCHES POSITIONING / POSIZIONAMENTO DEI FINECORSI

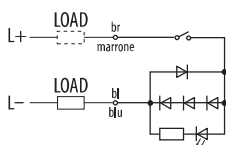
**FIV 406 V**

MAGNETIC SWITCH  
FINECORSI MAGNETICI



Bore Alesaggio	R	R1	R2	R3	R4	R5	R6	R7	R8
16	22	8	39	21	1	5	40	8	1,5
25	22	8	53	33	11	5	54	10	2,5

FIV circuit  
Circuito FIV



Body mounting:  
Corpo fisso:

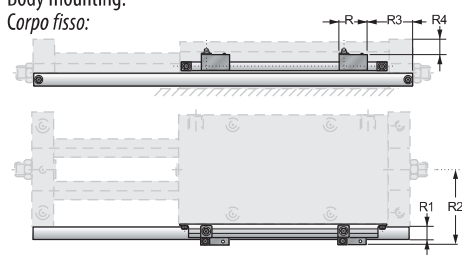
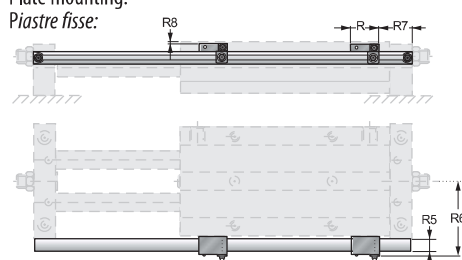


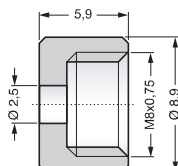
Plate mounting:  
Piastrre fisse:



Code Codice	Voltage range Tensione Corrente V	Switching current Potenza mA	Switching capacity VA/W	Degree of protection Temperatura Protezione	Working temperature °C	Contact function Contatto
FIV 406 V	3-130 (VAC-VDCT)	200	15/10	IP67	-20 ÷ +70°C	

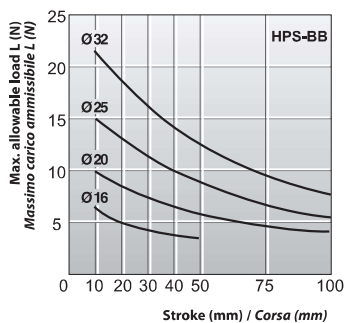
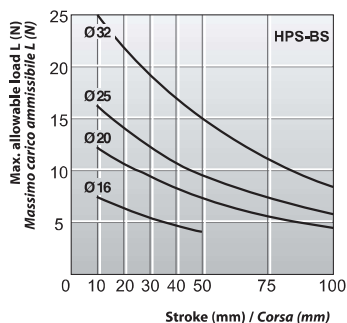
**GH-DEC 16**

PROTECTION FOR PNEUMATIC SLIDE Ø 16  
GHIERA DI PROTEZIONE PER ALESAGGIO Ø 16





## MAXIMUM ALLOWABLE LOAD HPSK SERIE / CARICO MASSIMO AMMISSIBILE SERIE HPSK

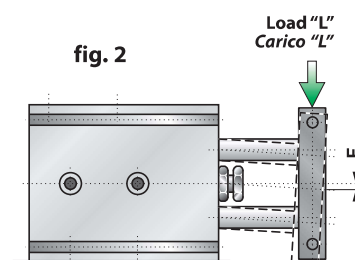
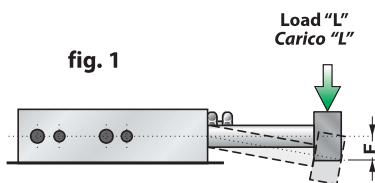
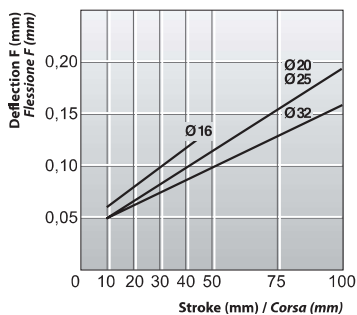


Graphics of maximum allowable load for dual rod cylinder "BS" serie (with rod bearing brass) and BB serie (with ball bushing)

Diagrammi del carico massimo ammissibile per semislitte pneumatiche della serie BS (con bronzine a strisciamento) e della serie BB (con cuscinetti a ricircolo di sfere)



## PISTON RODS DEFLECTION / FLESSIONE DEGLI STELI



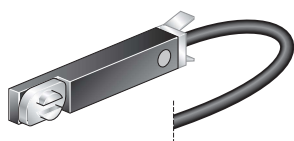
The graph shows the standard value of piston rod deflection (F) with a load of 10 N.

The piston rods deflection value in the case shown in fig. 2 is 30% less than value shown in the graph referred to fig.1

Il grafico riporta i valori standard della flessione (F) degli steli nella condizione di carico per L=10 N.

I valori della flessione degli steli nella condizione di carico della fig.2 sono inferiori del 30% rispetto ai valori di carico della fig.1 da cui è ricavato il grafico.

## MAGNETIC SWITCHES FOR HPSK CYLINDERS / FINECORSA MAGNETICI PER CILINDRI HPSK

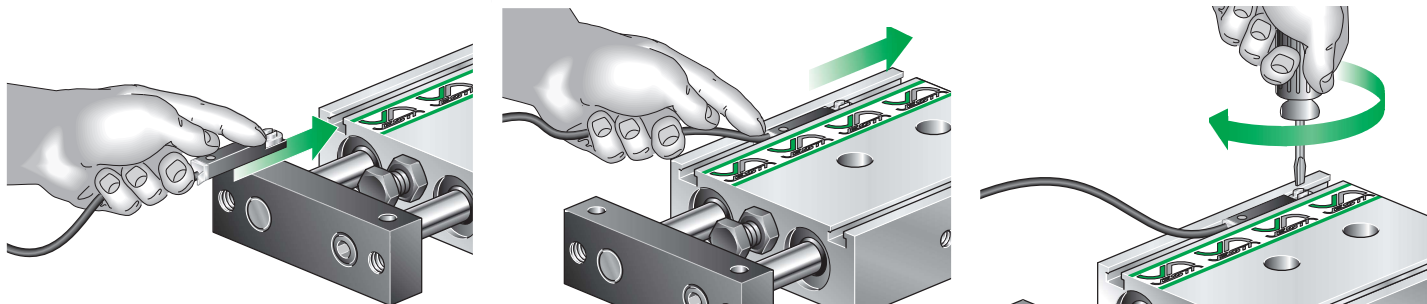


For magnetic switches features see:  
Caratteristiche finecorsa magnetici vedi:

**VNCR2, VNPR2,  
VNCE3, VNPE3.**

Pag. A-19

## MAGNETIC SWITCH POSITIONING / POSIZIONAMENTO DEI FINECORSA MAGNETICI

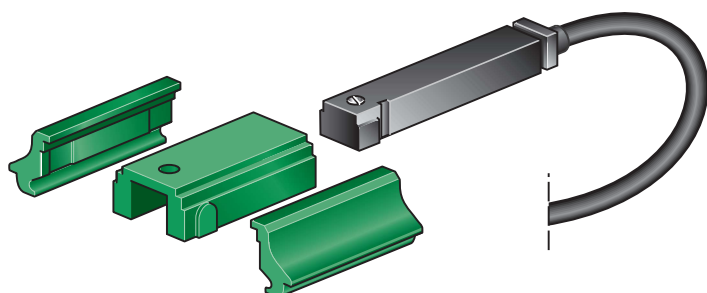




MAGNETIC SWITCHES FOR RL.. CYLINDERS / FINECORSA MAGNETICI PER CILINDRI RL..

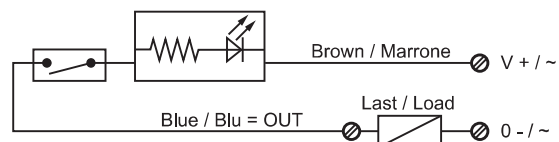
REED SWITCH  
SENSORE REED

ZRS 11



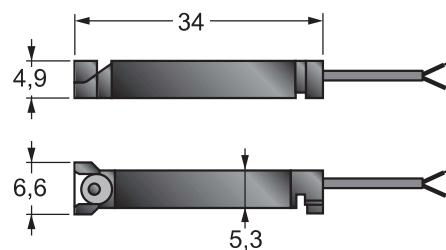
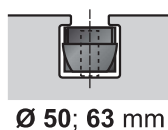
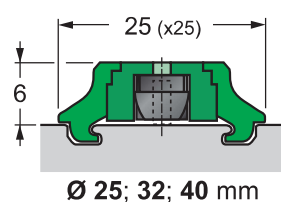
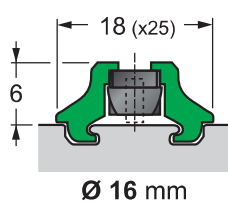
Cable standard length / Lunghezza cavo standard: 5000 mm

circuit / Circuito

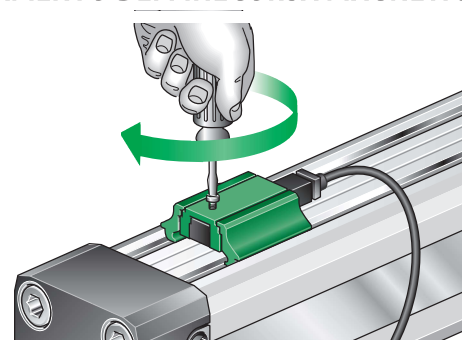
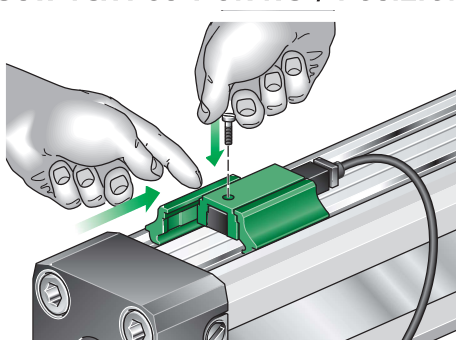
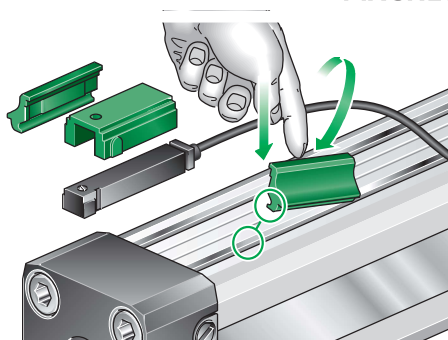


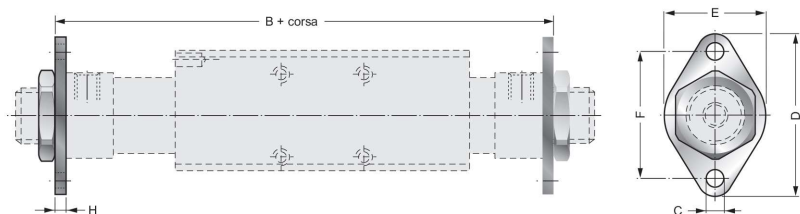
Code Codice	Voltage range Tensione max	Switching current Corrente a 25 °C	Switching power (resistive) Potenza Induttiva	Degree of protection Grado di protezione	Working temperature Temperatura di lavoro	Switch Hysteresis Isteresi di inserzione	ON / OFF time Tempo di inserzione / disin.	Electric life Vita elettrica	Contact function Contatto
ZRS 11	5-130 AC-DC	200 mA	6W	IP67	-15 ÷ +60 °C	3 mm	1 - 0,3 msec	1 x 10 <sup>7</sup>	-

MAGNETIC SWITCH BRACKET FOR RODLESS CYLINDER / FISSAGGIO PER SENSORE MAGNETICO SU CILINDRI SENZA STELO



MAGNETIC SWITCH POSITIONING / POSIZIONAMENTO DEI FINECORSA MAGNETICI

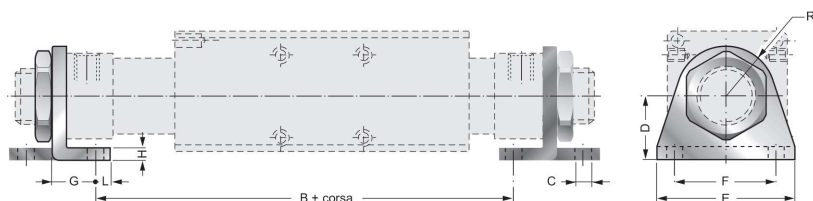




Bore Alesaggio	B	ØC	D	E	F	H	Code Codice
12	134	5,5	52	30	40	4	FL/12
20	188	6,6	66	40	50	5	FL/20

FLANGE MOUNTING  
MONTAGGIO A FLANGIA

FL/..



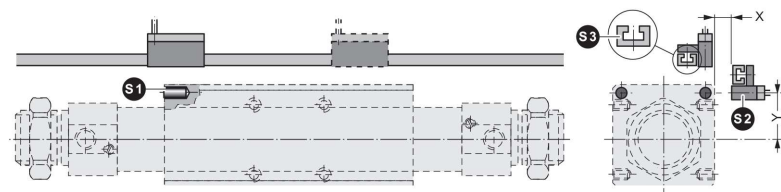
Bore Alesaggio	B	ØC	D	E	F	G	H	L	R	Code Codice
12	106	5,5	20	42	32	14	4	7	13	P/12
20	154	6,6	25	54	40	17	5	7	20	P/20

FOOT MOUNTING  
MONTAGGIO A PIEDINI

P/..



MAGNETIC SWITCHES / FINECOSA MAGNETICI PER CILINDRI SERIE TM



- S1 Magnet for reed switch / Magnete per finecosa
- S2 Reed switch / Finecosa magnetico
- S3 Aluminium rail for reed switch mounting  
Profilo di alluminio per montaggio finecosa

Bore Alesaggio	X	Y
12	7	16,5
20	7	25

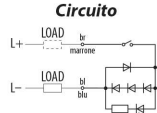
REED SWITCH  
FINECOSA MAGNETICO

FIV 306 V

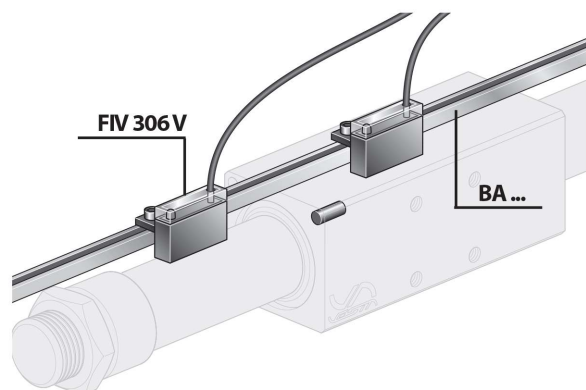
FIXING FOR REED SWITCH  
SUPPORTO PER FINECOSA MAGNETICI

BA ...

Circuit Circuito



Band code Codice barra	Circuit code Codice circuito	Voltage Tensione V	Switching current Corrente mA	Switching capacity Potenza VA/W	Protection Protezione	Working temperature Temperatura °C	Contact Contatto
BA...	FIV 306V	10-220 AC-DC	200	10/10	IP65	-25 ÷ +75	



Fixing dimensions BA... = cylinder stroke + A1 (except different customer request)  
Dimensioni supporto BA... = corsa cilindro + A1 (salvo diversa specifica del cliente)

SEALS KIT

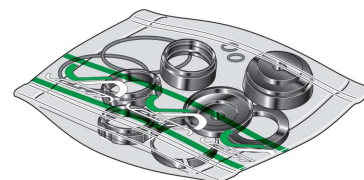
KIT GUARNIZIONI DI RICAMBIO

..... - SG

Seals kit code = Rodless cylinder code + Bore + - SG:  
(The kit includes all seals).

Codice del kit = Codice del cilindro senza stelo + Alesaggio + - SG:  
(Il kit comprende tutte le guarnizioni necessarie).

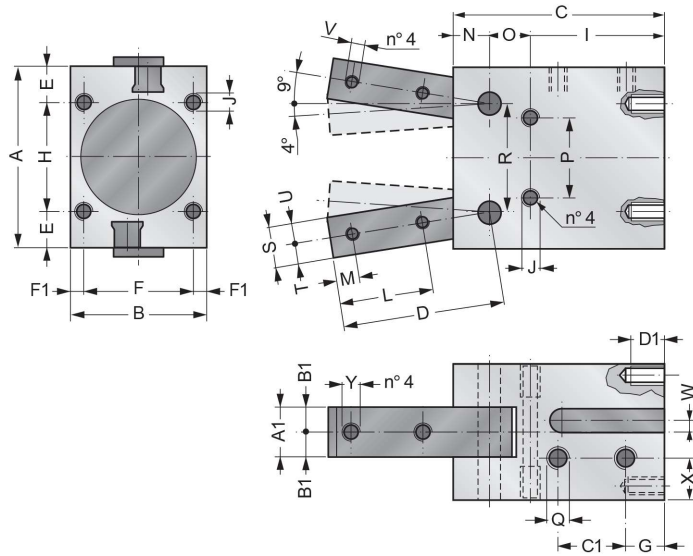
Example / Esempio: TM 20 - SG





# MHM 50 .....

MAGNETIC GRIPPER Ø50  
UNITÀ MAGNETICA Ø50



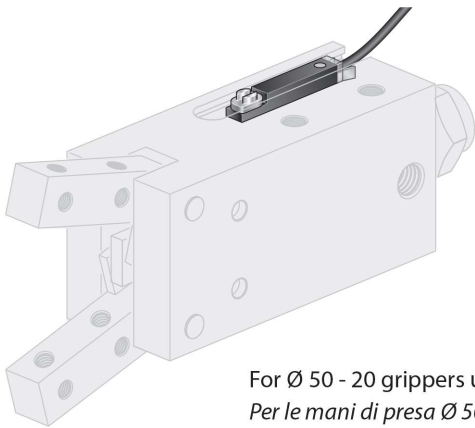
A	A1	B	B1	C	C1	D	D1	E	F	F1	G	H	I	ØJ	L	M	N	O	P	Q	R	S	T	U	ØV	W	X	ØY
80	22	60	11	100	24	71	15	16	48	6	21	48	61	M8x1,25	40	10	18	21	35	G1/8"	48	18	10	8	M6x1	4	17	M8x1,25

Weight / Peso : 1680 g

6 bar gripping  
force at 30 mm. from fingers fulcrum:  
*Forze di bloccaggio a 6 bar  
a 30 mm di distanza dal fulcro delle dita:*

<b>MHM 50 DE</b>	60 Kg	opening / in apertura	<b>52 Kg</b>	closing / in chiusura
<b>MHM 50 SE NC</b>	49 Kg	opening / in apertura		
<b>MHM 50 SE NA</b>	46 Kg	closing / in chiusura		

## MAGNETIC SWITCHES FOR MHM .. GRIPPERS / FINECORSA PER MANI DI PRESA SERIE MHM ..



For magnetic switches features see: - Caratteristiche finecorsa magnetici vedi:

**VNCR2, VNPR2, VNCE3, VNPE3.**

**Pag. A-19**

For Ø 50 - 20 grippers use magnetic switches **FTV 306 V** (see page A-38).  
*Per le mani di presa Ø 50 - 20 mm usare sensori FTV 306 V (vedere pag. A-38).*

## ..... - SG

SEALS KIT  
KIT GUARNIZIONI DI RICAMBIO



Seals kit code = **Gripper code + Bore + - SG:**  
(The kit includes all seals).

Codice del kit = **Codice della mano di presa + Alesaggio + - SG:**  
(Il kit comprende tutte le guarnizioni necessarie).

Example / Esempio: **MHM 32 - SG**