

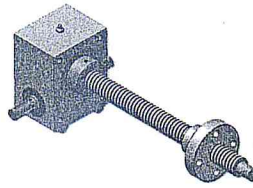
GUIDA ALLA SCELTA DEI MARTINETTI

SCREW-JACKS SELECTION CRITERIA

pag. (xxx)

Forza max: 5 kN /.../ 100 kN
 Rapporti di riduzione: 1:4 1:10 1:16 1:30
 Viti trapezie: 18x4 /.../ 55x9
 1ph - 3ph Vac
 Accessori: fine corsa integrato, potenziometro rotativo

*Max force: 5 kN /.../ 100 kN
 Gear ratios: 1:4 1:10 1:16 1:30
 Acme screws: 18x4 /.../ 55x9
 1ph - 3ph Vac
 Accessories: integrated limit switches, rotative potentiometer*



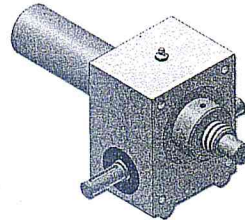
R1...5

MARTINETTI
vite rotante
SCREW JACKS
rotating screw

pag. (xxx)

Forza max: 5 kN /.../ 100 kN
 Rapporti di riduzione: 1:4 1:10 1:16 1:30
 Corsa: lunghezze a richiesta cliente
 1ph - 3ph Vac
 Accessori: fine corsa induttivi o meccanici

*Max force: 5 kN /.../ 100 kN
 Gear ratios: 1:4 1:10 1:16 1:30
 Stroke length: on request
 1ph - 3ph Vac
 Accessories: inductive or mechanical limit switches*



T1...5

MARTINETTI
vite traslante
SCREW JACKS
travelling screw

pag. (xxx)

MODELLO T/R

- Riduttore vite senza fine-ruota elicoidale
- Stelo filettato trapezoidale
- Lubrificazione a grasso
- Impiego intermittente

MODEL T/R

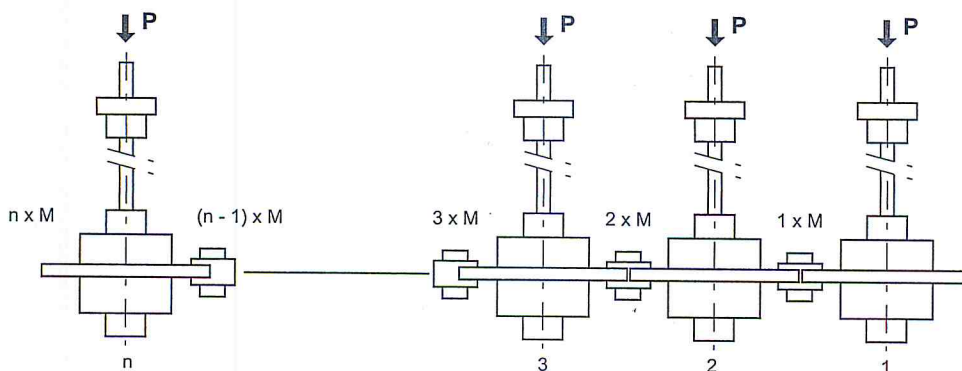
- Worm gearbox
- ACME lead screw
- Grease Lubricated
- Intermittent duty

Grandezza		1		2			3		4		5	
Size												
Carico	daN	500	500	1000	1000	1000	1400	2500	4500	5000	6200	10000
Load												
Vite trapezoidale diam./passo - diam./pitch ACME screw		18x4		20x4			30x6		40x7		55x9	
Rapporto di riduzione Gearbox reduction ratio		1:4	1:16	1:4	1:16	1:30	1:10	1:30	1:10	1:30	1:10	1:30
Corsa vite per giro albero mm Lead screw for input shaft turn		1	0,25	1	0,25	3,8	0,6	0,2	0,7	0,23	0,9	0,3
Rendimento % Efficiency %		30	26	30	26		26	18	25	18	22	24
Momento torcente passante vedi figura - see picture Twisting pass-thru momentum	daN	2		5,4			8,2		16		31	
Max.potenza al martinetto KW/1500 rpm a pieno carico KW/1500 rpm at full load		0,25	0,12	0,4	0,2	0,15	1,2	0,75	3,2	1,1	7,5	3,2
Max.power for each jack Peso del martinetto senza corsa Jack weight (gearbox only)	Kg	1,5		2,5			7		19		35	
Peso per ogni 100 mm di corsa Weight for 100 mm stroke	Kg	0,35		0,45			0,7		1,3		2	
Potenza passante a 1500 rpm Max Pass-thru power at 1500 rpm	KW	2,8		8			12		24		45	

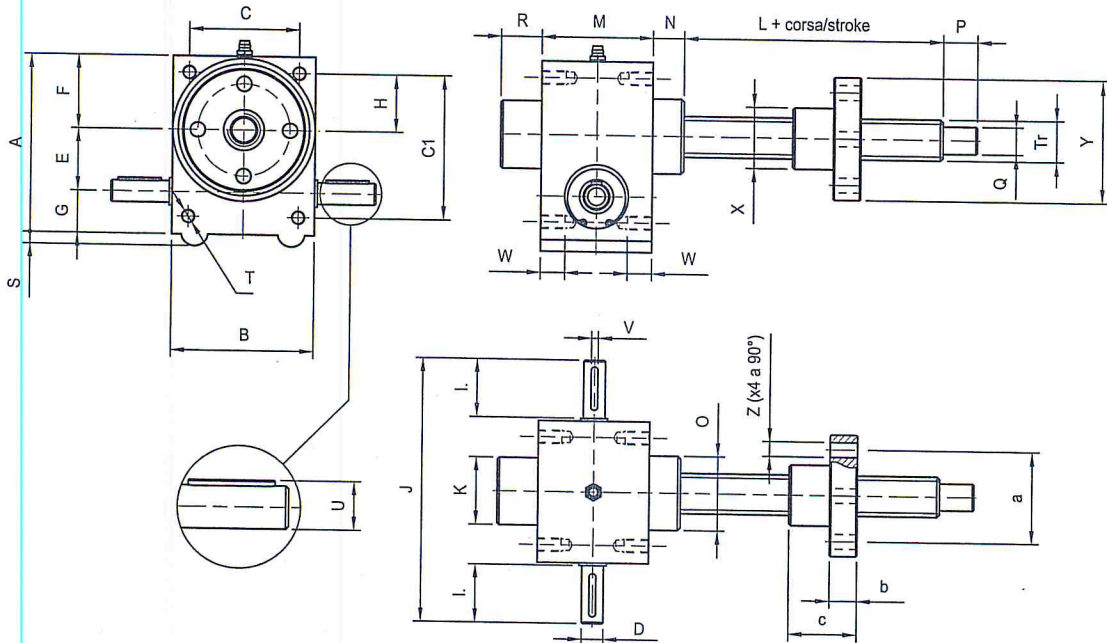
Velocità - Speed mm/s												
Tipo / Model	2 POLI = 2800 / 1' RPM Rapporto di riduzione Gearbox reduction ratio				4 POLI = 1400 / 1' RPM Rapporto di riduzione Gearbox reduction ratio				6 POLI = 900 / 1' RPM Rapporto di riduzione Gearbox reduction ratio			
	1:4	1:10	1:16	1:30	1:4	1:10	1:16	1:30	1:4	1:10	1:16	1:30
T1 / R1	46		11		25		6		15		4	
T2 / R2	46		11	6	25		6	3	15		4	2
T3 / R3		28		9		15		5		9		3
T4 / R4		32		10		17		6		10		3
T5 / R5		42		14		18		7		13		4

MOMENTO TORCENTE PASSANTE

TWISTING PASS-THRU MOMENTUM

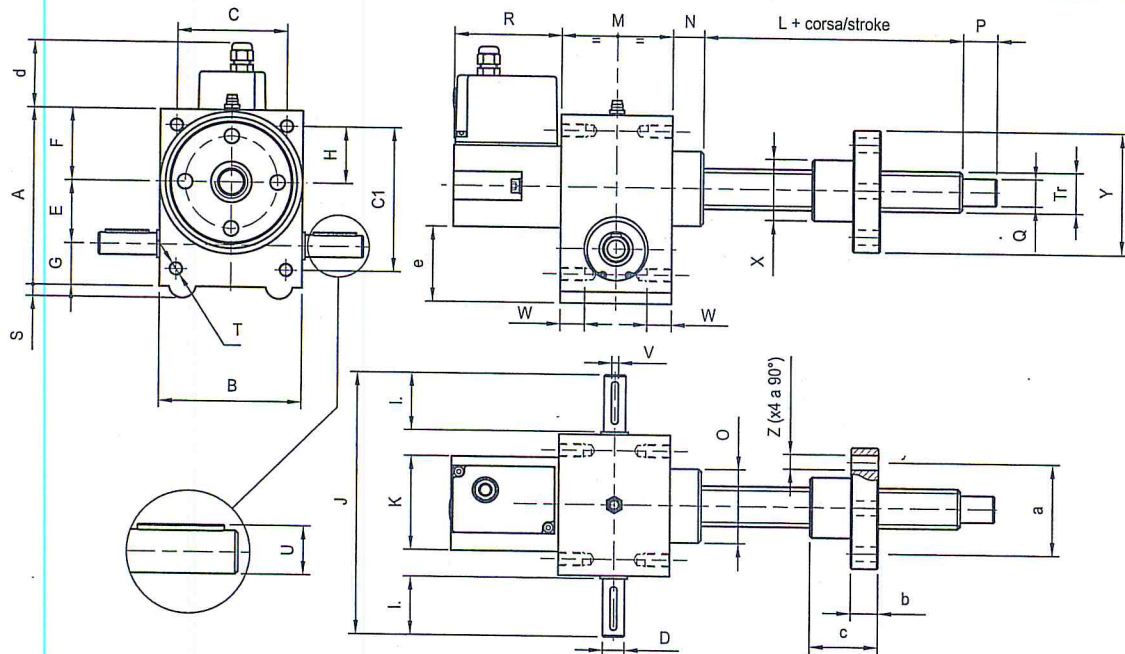


R



GR. SIZE	TABELLA DIMENSIONI / DIMENSIONS TABLE																														
	A	B	C	C1	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	Tr
R1	80	70	52	60	Ø10	25	31	24	21	25	120	Ø35	56	60	16	Ø35	16	Ø12	27	7	M8	11.2	3	12	Ø30	Ø55	Ø7	Ø43	12	35	18x4
R2	100	80	62	78	Ø14	32	40	28	29	28	140	Ø35	66	68	21	Ø40	20	Ø15	25	8	M8	16	5	16	Ø35	Ø65	Ø9	Ø50	15	40	20x4
R3	131	105	81	106	Ø16	46	54	31	42	43	195	Ø50	90	82	23	Ø55	25	Ø20	30	8.5	M10	18	5	18	Ø45	Ø90	Ø11	Ø68	20	50	30x6
R4	180	145	115	150	Ø19	62	78	40	63	46	240	Ø65	120	118	30	Ø70	30	Ø25	30	12	M14	21.5	6	20	Ø57	Ø99	Ø11	Ø78	25	70	40x7
R5	200	165	131	166	Ø24	70	84	46	67	66	300	Ø85	140	150	40	Ø90	40	Ø40	50	16	M20	27	8	30	Ø72	Ø129	Ø13	Ø100	30	85	55x9

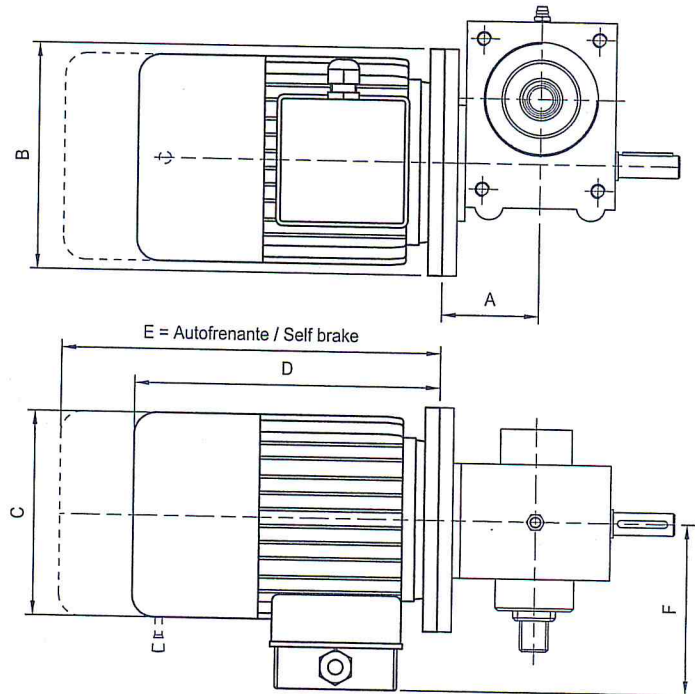
R - F



GR. SIZE	TABELLA DIMENSIONI / DIMENSIONS TABLE																																
	A	B	C	C1	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	Tr
R1	80	70	52	60	Ø10	25	31	24	21	25	120	70	56	60	16	Ø35	16	Ø12	27	7	M8	11.2	3	12	Ø30	Ø55	Ø7	Ø43	12	35	26.5	26	18x4
R2	100	80	62	78	Ø14	32	40	28	29	28	140	70	66	68	21	Ø40	20	Ø15	25	8	M8	16	5	16	Ø35	Ø65	Ø9	Ø50	15	40	43.5	38	20x4
R3	131	105	81	106	Ø16	46	54	31	42	43	195	70	90	82	23	Ø55	25	Ø20	29	8.5	M10	18	5	18	Ø45	Ø90	Ø11	Ø68	20	50	49.5	55.5	30x6
R4	180	145	115	150	Ø19	62	78	40	63	46	240	70	120	118	30	Ø70	30	Ø25	102	12	M14	21.5	6	20	Ø57	Ø99	Ø11	Ø78	25	70	12	77	40x7
R5	200	165	131	166	Ø24	70	84	46	67	66	300	70	140	150	40	Ø90	40	Ø40	102	16	M20	27	8	30	Ø72	Ø129	Ø13	Ø100	30	85	6	95	55x9

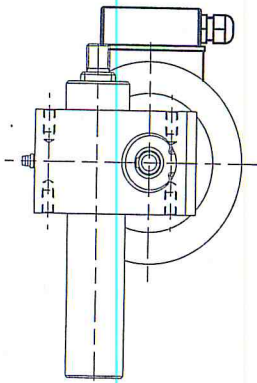
T/R - M

GR. / SIZE	TABELLA DIMENSIONI / DIMENSIONS TABLE						
	VERSIONE / TYPE	A	B (PAM)	C	D	E	F
T1/R1	56 Standard	57	120 (B5)	110	168	200	108
	56 Autofrenante/Brake motors						
	63 Standard	57	140 (B5)	123	185	234	110
	63 Autofrenante/Brake motors						
T2/R2	63 Standard	64	140 (B5)	123	185	234	110
	63 Autofrenante/Brake motors						
	71 Standard	66	160 (B5)	140	215	267	121
	71 Autofrenante/Brake motors						
T3/R3	71 Standard	68	160 (B5)	140	215	267	121
	71 Autofrenante/Brake motors						
	80 Standard	68	120 (B14)	159	238	296	138
	80 Autofrenante/Brake motors						
T4/R4	80 Standard	102.5	120 (B14)	159	238	296	138
	80 Autofrenante/Brake motors						
	90 Standard	102.5	140 (B14)	176	280	344	149
	90 Autofrenante/Brake motors						
T5/R5	100 Standard	119.5	160 (B14)	195	309	374	160
	100 Autofrenante/Brake motors						
	112 Standard	119.5	160 (B14)	219	328	407	172
	112 Autofrenante/Brake motors						

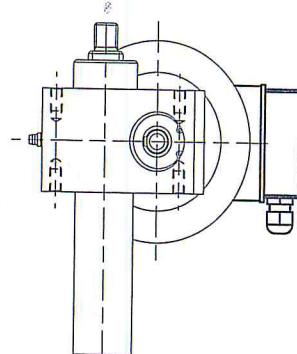


ORIENTAMENTO MORSETTIERA

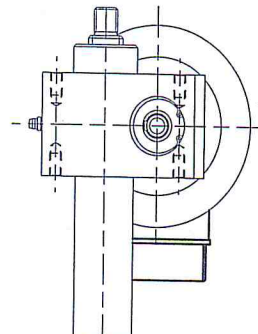
E-BOX POSITION



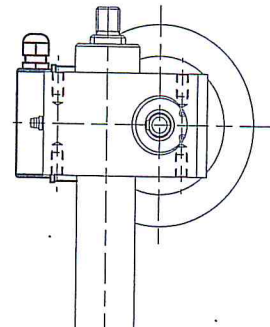
1 Standard



2



3

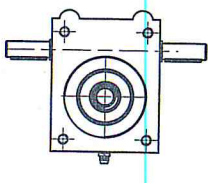


4

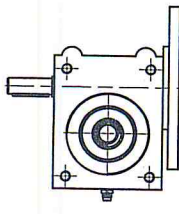
ORIENTAMENTO FLANGIA MOTORE (PAM) E ALBERI PRESA

MOTOR FLANGE SIDE (PAM) AND SHAFTS MODE

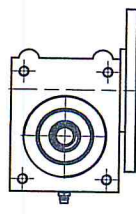
01



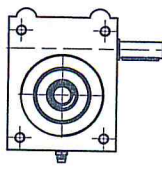
02



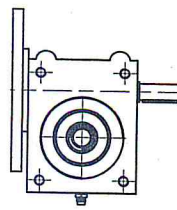
03



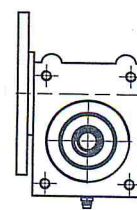
04



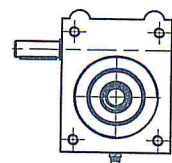
05



06

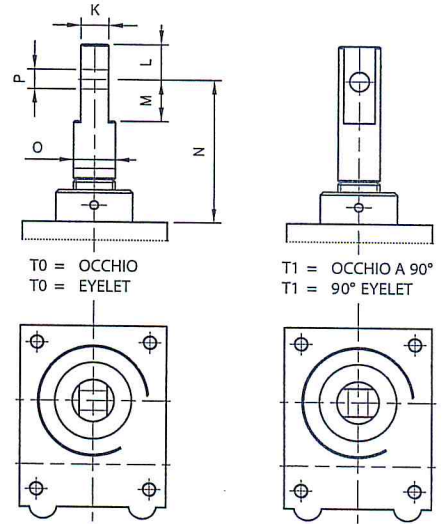
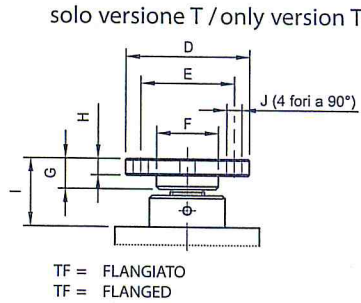
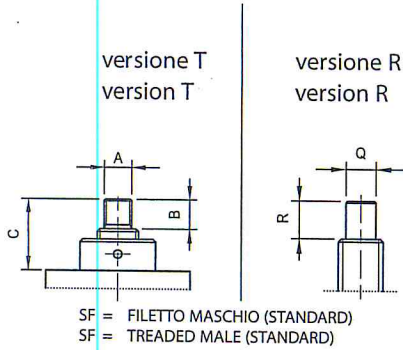


07



ATTACCHI ANTERIORI

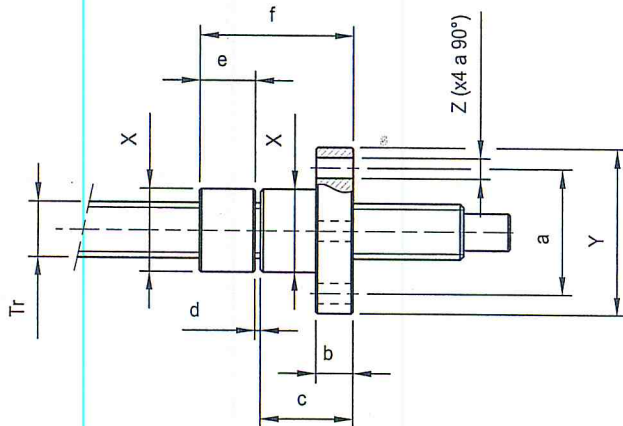
FRONT ENDS



GR. SIZE	TABELLA DIMENSIONI / DIMENSIONS TABLE																	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P (ØH7)	Q (Øh7)	R
T1 / R1	M12	17.5	39.5	Ø55	Ø43	Ø30	18	10	36	Ø7	12	15	22	68	Ø18	Ø10	Ø12	16
T2 / R2	M14	19	45	Ø65	Ø50	Ø35	20	12	46	Ø9	14	20	25	86	Ø20	Ø12	Ø15	20
T3 / R3	M20	22	52	Ø90	Ø68	Ø45	22	12	52	Ø11	20	25	30	102	Ø30	Ø14	Ø20	25
T4 / R4	M30x2	29	66	Ø100	Ø78	Ø57	30	14	67	Ø13	30	25	30	117	Ø40	Ø22	Ø25	30
T5 / R5	M36x3	44	94	Ø130	Ø100	Ø72	45	20	95	Ø17	42	35	40	154	Ø55	Ø30	Ø40	40

CHIOCCIOLA DI SICUREZZA (SOLO VERSIONE R)

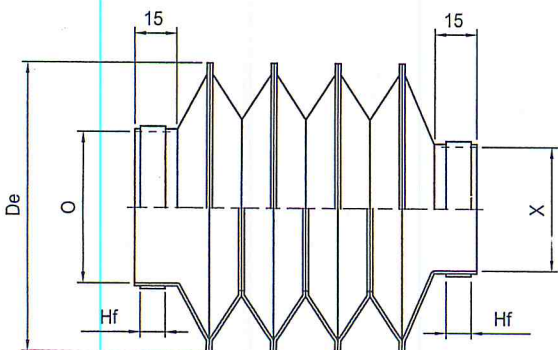
SAFETY NUT (ONLY R VERSION)



GR. SIZE	TABELLA DIMENSIONI / DIMENSIONS TABLE									
	Tr	a	b	c	d	e	f	X	Y	Z
R1	18x4	Ø43	12	35	2	18	55	Ø30	Ø55	Ø7
R2	20x4	Ø50	15	40	2	20	62	Ø35	Ø65	Ø9
R3	30x6	Ø68	20	50	3	30	83	Ø45	Ø90	Ø11
R4	40x7	Ø78	25	70	3.5	40	113.5	Ø57	Ø99	Ø11
R5	55x9	Ø100	30	85	4.5	55	144.5	Ø72	Ø129	Ø13

SOFFIETTO DI PROTEZIONE

BELLOW



GR. / SIZE	TABELLA DIMENSIONI / DIMENSIONS TABLE				GR. / SIZE	FATTORE MOLTIPLICATIVO / MULTIPLY PARAMETER
	De	O	X	Hf		
T1/R1	Ø70	Ø35	Ø30	9	T1/R1	1.16
T2/R2	Ø80	Ø40	Ø35	9	T2/R2	1.12
T3/R3	Ø105	Ø55	Ø45	9	T3/R3	1.08
T4/R4	Ø150	Ø70	Ø57	9	T4/R4	1.04
T5/R5	Ø165	Ø90	Ø72	9	T5/R5	1.05

A causa dell'inserimento del soffietto (quando richiesto), la corsa del martinetto risulta:

Corsa fittizia [mm] = Corsa nominale [mm] x A

When bellow is installed (if needed), screw jack stroke is:

Stroke total [mm] = Stroke nominal [mm] x A

Materiale soffietto: PVC / Bellow material: PVC

N.B.: la versione standard non è IP50
Standard version is not IP50

SIGLA DI ORDINAZIONE - ORDERING KEY

T1 / F / 0250 / 1:04 / CA-400-50-T-56-4-0,09 / 0+S3+AB / 01 / 1 / 2FC2-POT05A / IP65 / SF / B+H / N.DIS

MODELLO / MODEL:

T1 / T2 / T3 / T4 / T5
R1 / R2 / R3 / R4 / R5

MODELLO / MODEL:

T1M / T2M / T3M / T4M / T5M
R1M / R2M / R3M / R4M / R5M

CONTROLLO CORSA

STROKE CONTROL: (Pag. 22)

Senza nome: Omettere / Leave blank
F: Gruppo fine corsa interno (versione R)
Integrated limit switches (model R only)
FCE: su canotto "fissi" (versione T)
Mechanical switches welded on rear tube (model T only)
FCI: induttivi su canotto (versione T)
Inductive sensors welded on rear tube (model T only)
E: encoder su motore elettrico
Encoder on electrical motor

CORSA / STROKE: mm es. 250 mm = 0250

RAPP. RIDUZIONE / REDUCTION RATIOS:

Versione PAM, PD, Meccanica / *Version PAM, PD, Mechanical*
1: 04 / 1:10 / 1:16 / 1:30
M00 = Velocità non contemplate / *Not standard speed*

VELOCITÀ (Solo Vers. Motorizzata) / SPEED (Motor Version only):

Indicare la velocità rilevata dalla tabella a pag.175
Advise speed on page 175

MOTORE / MOTOR:

Indicare solo con motore: / *Advise only if with motor:*
IN C.A.: versione, tensione, tipo, grandezza, n°poli, potenza
version, voltage, type, size, n°pole, power
IN C.C.: versione, tensione, grandezza, n°poli / *version, voltage, size, n°pole*
In versione predisposizione motore "PAM" indicare: 0 / *With motorflange only put 0*
In versione PAM a disegno indicare: PD / *With special motorflange put: PD*

VARIANTI MOTORE CA / AC MOTOR OPTIONS: (Pag. 28)

Flangia motore: solo in versione PAM - esempio PAM 56B14 indicare: 56B14
Motorflange: for motorflange version only advise size - i.e. for IEC56 B14 put 56B14
Senza motore o con motore in C.C.: Omettere tutti i parametri sottoindicati
No motor or DC motor: leave all following parameters blank
Tipo Servizio: Indicare se diverso da S3 (std) / **Service rate:** *Advise if different than S3 (std)*
Classe isolamento: Indicare se diverso da F (std) / **Insulation class:** *Advise if different than F (std)*
Grado Protezione: Indicare se diverso da IP55 (std)
Protection Degree: Advise if different than IP55 (std)
Tipo freno: solo se autofrenante: ES. FECA / **Brake type:** *for brakemotors only: ES. FECA*
Opzioni: Indicare se richiesto (ES. AB Albergo Bisporgente)
Options: Advise if needed (ES. AB 2'shaft)

ORIENTAMENTO FLANGIA MOTORE (PAM) E USCITA ALBERI PRESA MOTO

MOTORFLANGE SIDE (PAM) AND INPUTSHAFTS MODE: (Pag. 22)

01 / 02 / 03 / 04 / 05 / 06 / 07

ORIENTAMENTO MORSETTIERA / E-BOX POSITION: (Pag. 22)

1 (standard) 2 3 4

VERSIONE CONTROLLO CORSA / STROKE CONTROL MODE: (Pag. 26)

FINE CORSA / LIMIT SWITCHES: (Pag. 26)

Senza / **None:** Omettere / Leave blank

POTENZIOMETRO / POTENTIOMETER: (Pag. 27)

Senza / **None:** Omettere / Leave blank

ENCODER / ENCODER: (Pag. 27)

Senza / **None:** Omettere / Leave blank

GRADO PROTEZIONE / PROTECTION CLASS:

IP50 (Standard) / IP65

ATTACCO ANTERIORE / FRONT END: (Pag. 23)

SF = Stelo filettato / Treaded end (standard)
TF = Terminale flangiato / Flanged end (versione T / T version)
TO = Terminale ad occhio / Eyet end (versione T / T version)

T1 = Terminale ad occhio a 90° (versione T / T version)
A9 = Attacco a Disegno / Special (provide drawing)

OPZIONI / OPTIONS:

Senza / None: Omettere / Leave blank **A** = Versione Inox / Stainless steel version
B = Protezione soffiello / Bellows **C** = Seza canotto protezione / No rear tube
E = Guarnizioni in viton / Viton seals **F** = Verniciatura / Painting **G** = Chiocciola di sicurezza (R/R-F) / Safety nut (R/R-F)
H = Volantino per comando manuale / Handwheel **L** = Dispositivo anti rotazione (T) / Anti rotation facility (T)
M = Boccola di seconda guida (per corse oltre 20 volte il diametro dello stelo) solo versione T
/ 2° guide rod (for stroke 20 times larger than lad screw) only T version
Q = Senza Chiocciola (R) / No nut (R)

VARIANTI / VERSIONS:

N° Disegno / Drawing number: Per Condizioni non Contemplate / Presence of not standard options
Senza / None: Omettere / Leave blank