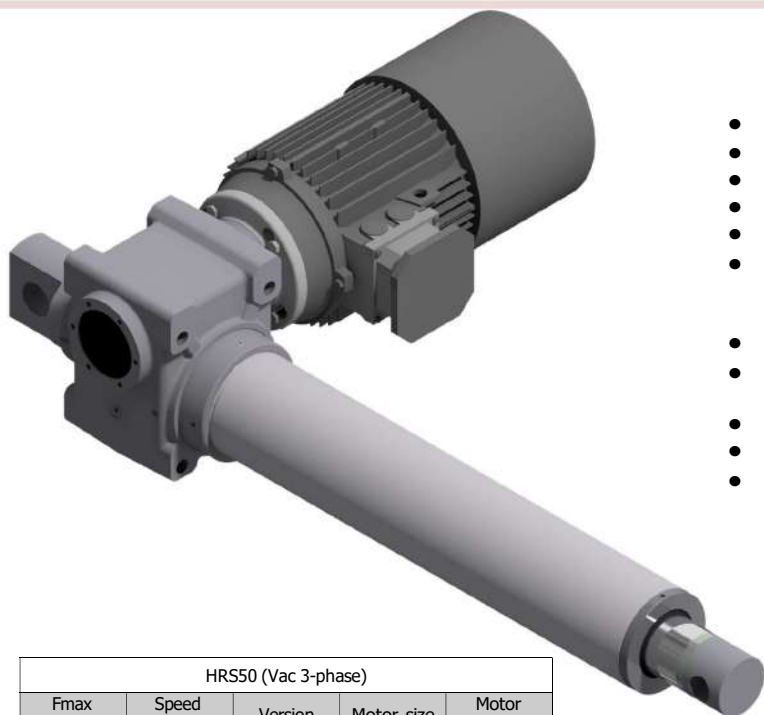




HRS

Industrial Linear Actuator

- Single-phase or three-phase AC motor
- Worm gearbox
- Acme lead screw or ball screw (VRS)
- Chrome plated steel push rod
- Grease Lubricated
- IP55, tested according to rule CEI EN 60529
NB: Only for brake motors Standard IP54, IP65 on request
- Working temperature range -10°C +60°C
- Intermittent duty S3 30% (5 min) a 30°C - for any other request contact technical dept.
- Limit switches on request
- Potentiometer and encoder on request
- At-Ex II 3 D T4 version (AC motor) on request

HRS50 (Vac 3-phase)				
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)
18000 *	65	M01	IEC112	4 4 poli
29000 *	33	M02	IEC112	4 4 poli
36500	11	M03	IEC90	2.2 2 poli
50000	5	M04	IEC90	1.5 4 poli

HRS100 (Vac 3-phase)				
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)
38000 *	42	M01	IEC132	7.5 4 poli
58000	14	M02	IEC112	5.5 2 poli
87000	7	M03	IEC112	4 4 poli
100000	2	M04	IEC80	1.8 2 poli

HRS200 (Vac 3-phase)				
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)
44000 *	47	M01	IEC132	9.2 4 poli
90000	16	M02	IEC132	7.5 2 poli
130000	8	M03	IEC132	5.5 4 poli
200000	2	M04	IEC90	3 2 poli

HRS50 VRS (ballscrew) (Vac 3-phase)				
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)
30000 *	47	M01	IEC90	1.8 4 poli
45000	23	M02	IEC90	1.5 4 poli
50000	7	M04	IEC71	0.55 2 poli
50000	3	M05	IEC71	0.37 4 poli

HRS100 VRS (ballscrew) (Vac 3-phase)				
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)
51000 *	47	M01	IEC100	3 4 poli
70000	23	M02	IEC100	2.2 4 poli
92000	8	M03	IEC100	2.2 4 poli
100000	5	M04	IEC71	0.75 2 poli
100000	2	M05	IEC71	0.55 2 poli

HRS200 VRS (ballscrew) (Vac 3-phase)				
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)
125000 *	49	M01	IEC132	9.2 4 poli
150000	32	M02	IEC132	7.5 2 poli
200000	16	M04	IEC132	5.5 4 poli
200000	6	M05	IEC90	2.2 2 poli

* When speed is more than 30 mm/s and/or strokes longer than 350mm, check the stroke setup section.
With single-phase motors performances are 20% lower than the three-phase motor.

→ The brake motor is strongly recommended

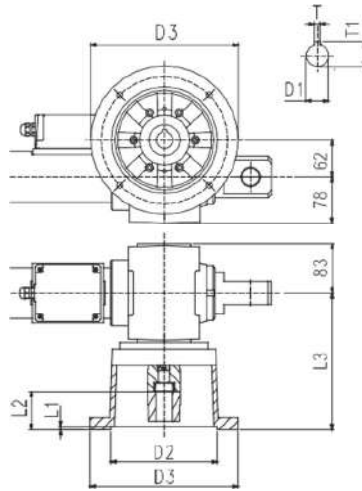
Before operating an actuator make sure you read and understand basic operational instructions shown on user manuals, available from our sales office.

This document displays most typical standard features and setups.

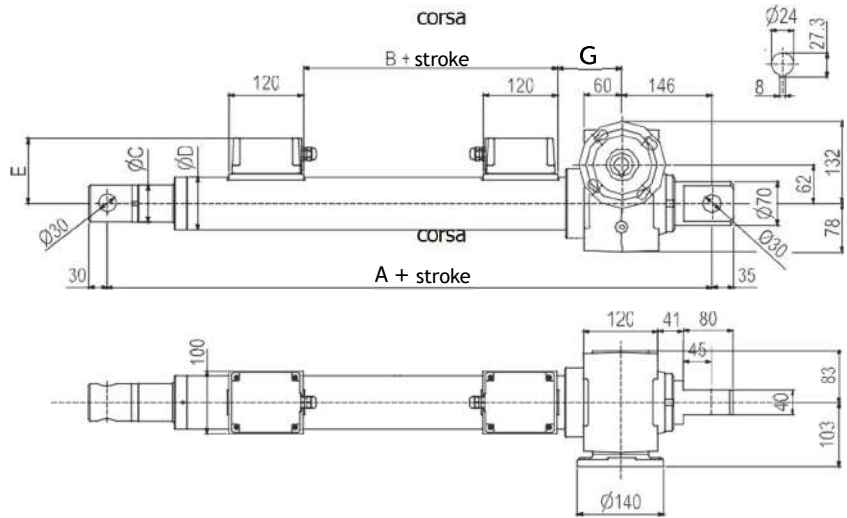
Actuators must not come to a mechanical stroke-end / mechanical lock to avoid failures.

Consider limit switches or put them on a machine / frame.

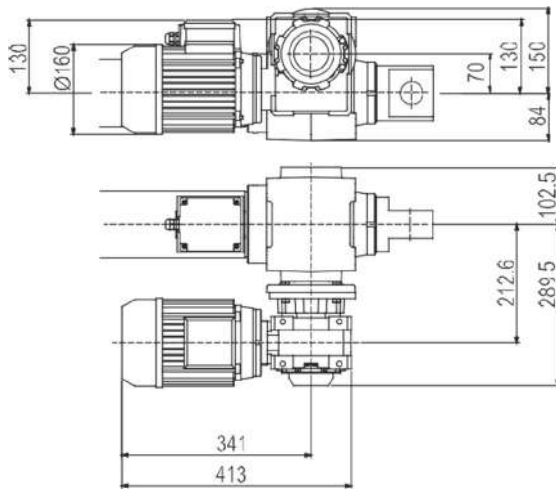
HRS50 BELL FLANGE + COUPLING VERSION



HRS50 FLANGED VERSION

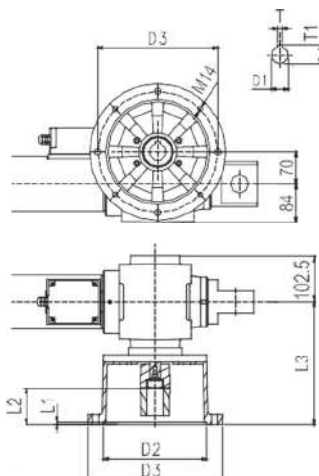


HRS50 GEARMOTOR VERSION

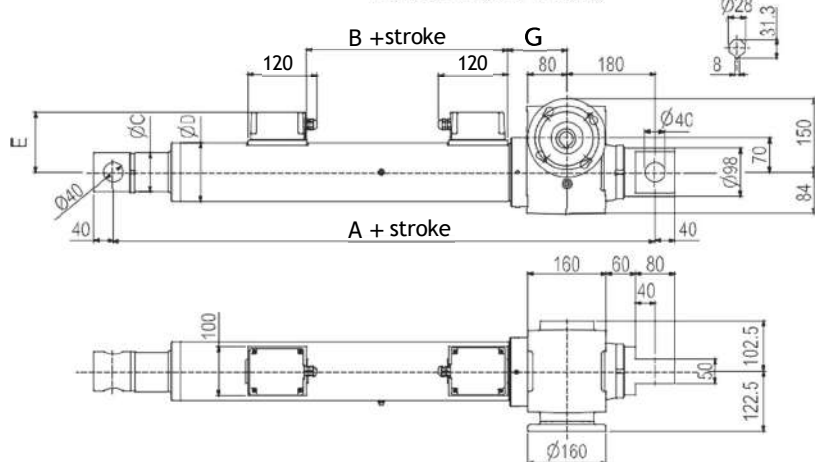


DIM.	TPN/VRS		DIM.	BELL FLANGE + COUPLING
	HRS50 TPN	HRS50 VRS		IEC 100/112 B5
A	575	715	D1	Ø 28
B	10	104	D2	Ø 180
C	60	70	D3	Ø 215
D	85	140	D4	Ø 250
E	105	132	F	Ø 14.5
G	123	161	L1	5
			L2	68
			L3	231
			T	8
			T1	31.3

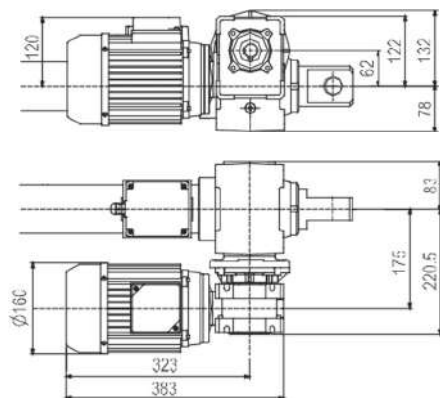
HRS100 BELL FLANGE + COUPLING VERSION



HRS100 FLANGED VERSION

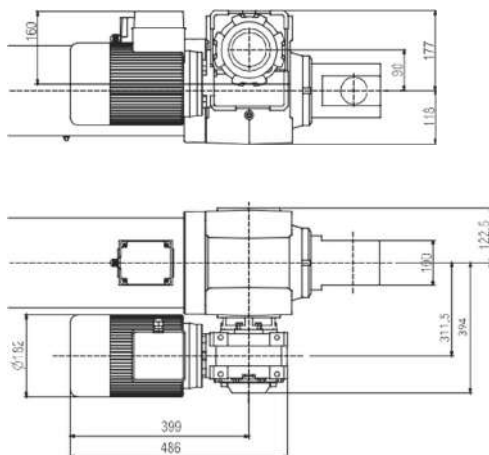


HRS100 GEARMOTOR VERSION

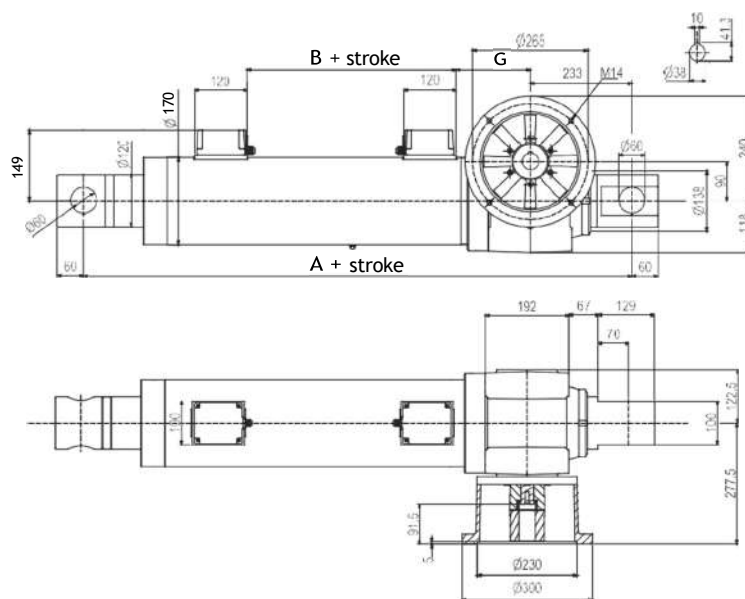


DIM.	TPN/VRS		DIM.	BELL FLANGE + COUPLING
	HRS100 TPN	HRS100 VRS		IEC 132 B5
A	706	790	D1	Ø 30
B	10	158	D2	Ø 230
C	80	80	D3	Ø 265
D	120	155	D4	Ø 300
E	122	141	F	Ø 14.5
G	152	161	L1	5
			L2	91
			L3	274
			T	10
			T1	41.3

HRS200 GEARMOTOR VERSION



HRS200 BELL FLANGE + COUPLING VERSION



DIM.	TPN/VRS	
	HRS200 TPN	HRS200 VRS
A	880	1015
B	80	142

For motor sizes it is possible to refer to IEC standard motors.
Never allow the linear actuator to reach the mechanical stop, in order to avoid damage of internal components.

ORDERING KEY EXAMPLE

HRS100/0250/M02/AC-400/50-T-112-4-4/AB/M01/E06/2FC1/P1/A1/B+L

MODEL

HRS50 / HRS50 VRS / HRS100 / HRS100 VRS /
HRS200 / HRS200 VRS

STROKE (mm)

es. 250 mm = 0250

VERSION

M01 / M02 / M03 / M04 / M05

M00 Not standard speed

Flanged version: indicate reduction ratio and screw pitch

MOTOR

AC: indicate version, tension, type, size, no. of poles, power

With flat input motor flange indicate 0

With specific flat input motor flange indicate PD

AC MOTOR OPTION

Motor flange: for motor flange version only advise size - i.e. For IEC80 B14 put 80B14

Protection Degree: IP65, for self-brake motor IP54 standard

Brake type: for brake motors only: ES. FECA

Options: Advise if needed (ES. AB 2'shaft)

MOTOR POSITION

M0 (standard)

M1

None: leave blank

E-BOX POSITION

1

ENCODER

Options pg.76

None: leave blank

LIMIT SWITCHES

2FC1

None: leave blank

REAR END

P1 eyelet (standard)

P2 eyelet 90°

FRONT END

A1 eyelet (standard)

A3 yoke + clip

A4 ball joint

A7 male

OPTIONS

B bellows boot

L anti-rotation device

T additional shaft on the opposite side of motor

FRONT END	DIM.	HRS50		HRS100		HRS200	
		TPN	VRS	TPN	VRS	TPN	VRS
A3	A	660	815	834	918	1053	1178
	B	54		72		96	
	C	30		35		50	
	D	Ø 30		Ø 35		Ø 50	
	E	55		70		96	
	F	55		70		96	
A4	A	667	818	815	900	1010	1160
	G	Ø 30		Ø 35		Ø 60	
	H	R. 35		R. 40		R. 68.5	
	I	37.5		43		44	
A7	A	531	686	669	753	838	858
	L	M 30x2		M 36x2		M 52x3	
	M	55		70		80	

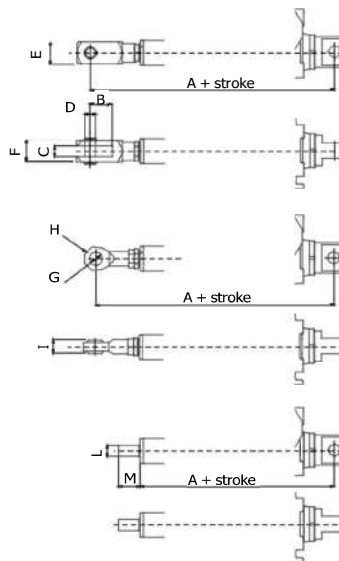
A3



A4



A7



GUIDELINE DIMENSIONS ONLY