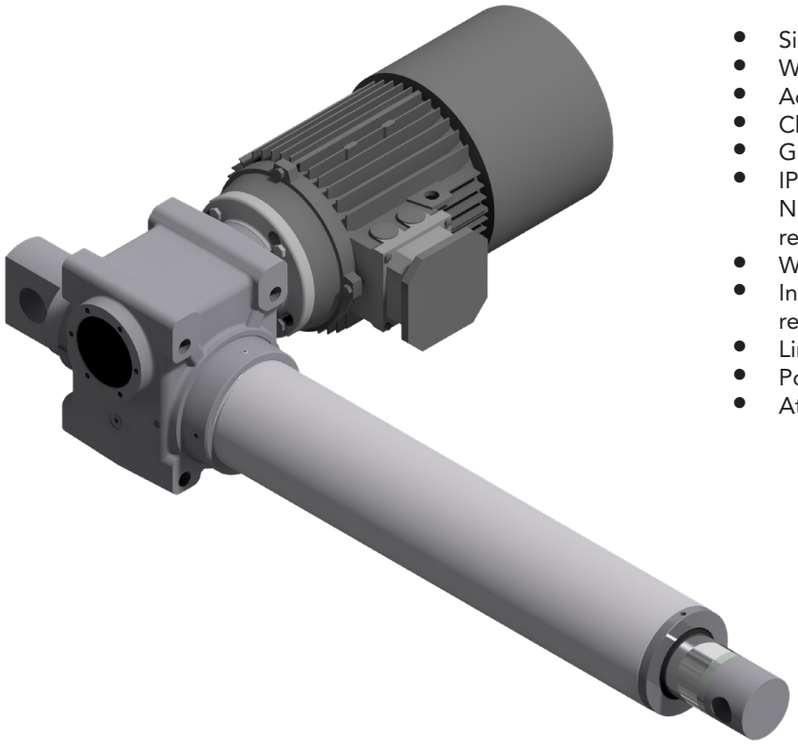


- Single-phase or tri-phase AC motor
- Worm gearbox
- Acme lead screw or ballscrew (VRS)
- Chrome plated steel push rod
- Grease Lubricated
- IP55, ttested according to rule CEI EN 60529
  NB: Only for brake motors Standard IP54, IP65 on request
- Working temperature range -10°C +60°C
- Intermittent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

HRS50 (Vac tri-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 (Vca tri-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 tri-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 tri-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 tri-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	IEC90	1.5 4 poli
100000	5	M04	IEC71	0.75 2 poli
100000	2	M05	IEC71	0.55 2 poli
HRS200 VRS (ballscrew) (Vac tri-phase)				
Fmax (N)	Speed (mm/s)	Version	Motor size	Motor power (KW)
125000 *	47	M01	IEC132	9.2 4 poli
174000	23	M02	IEC132	5.5 4 poli
200000	7	M04	IEC90	2.2 2 poli
200000	3	M05	IEC90	2.2 2 poli

* When speed is more than 30 mm/s and/or strokes longer than 350mm, check STROKE SETUP section

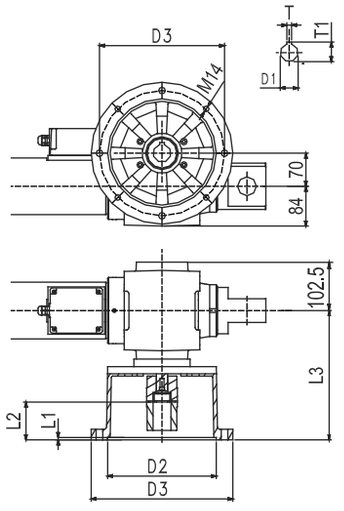
With single-phase motors type M (see in paragraph ACCESSORIES) performances are 20% lower than the three-phase motor.

→ The brakemotor is strongly recomended

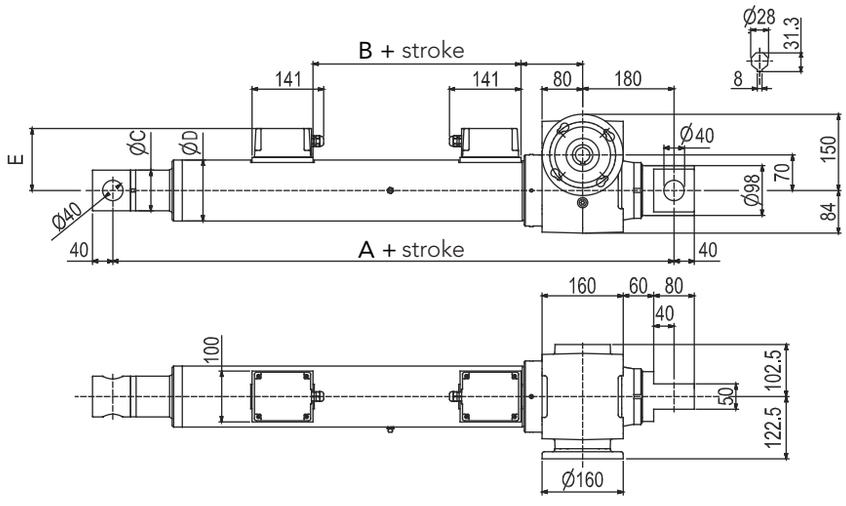
THIS DOCUMENT DISPLAYS MOST TYPICAL STANDARD FEATURES AND SETUPS: CONTACT OUR OFFICES FOR MORE. ACTUATOR SHALL NOT COME TO MECHANICAL STROKE-END, TO AVOID FAILURES. CONSIDER MECVEL's LIMITSWITCHES OR PUT THEM ON MACHINE/FRAME. BEFORE OPERATING ACTUATOR MAKE SURE YOU READ AND UNDERSTOOD BASIC OPERATIONAL INSTRUCTIONS SHOWN ON USERMANUALS, AVAILABLE FROM WEBSITE.

HRS

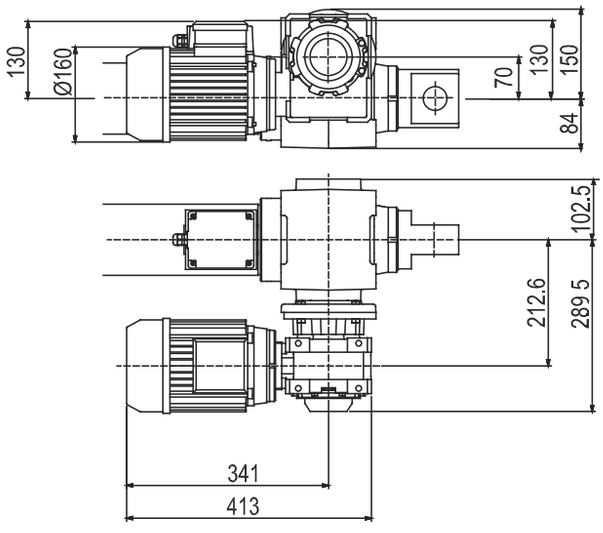
HRS50 BELL FLANGE + COUPLING VERSION



HRS50 FLANGED VERSION

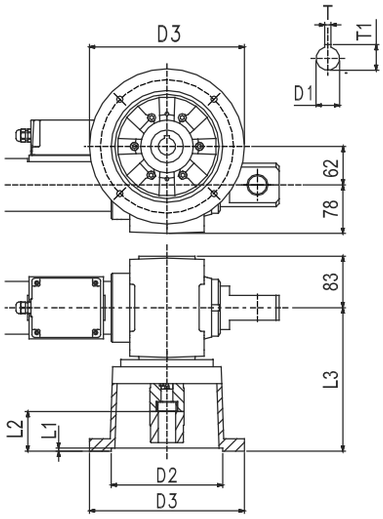


HRS50 GEARMOTOR VERSION

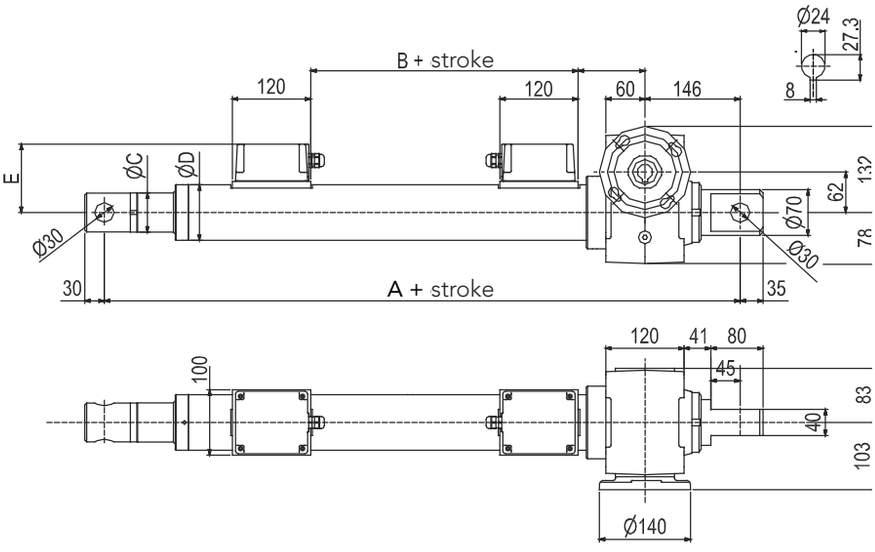


DIM.	TPN/VRS		DIM.	BELL FLANGE + COUPLING	
	HRS50 TPN	HRS50 VRS		IEC 90 B5	IEC 100/112 B5
A	575	715	D1	Ø 24	Ø 28
B	10	112	D2	Ø 130	Ø 180
C	60	70	D3	Ø 165	Ø 215
D	85	140	D4	Ø 200	Ø 250
E	105	132	F	M10	Ø 14.5
G	106	139	L1	4.5	5
			L2	52	68
			L3	183	231
			T	8	8
			T1	27.3	31.3

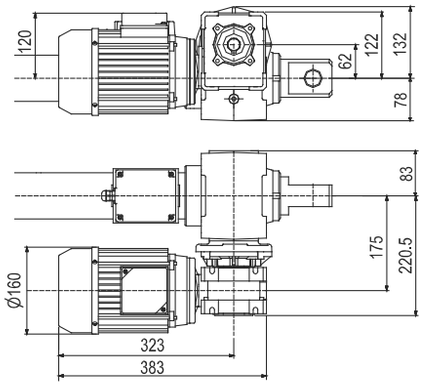
HRS100 BELL FLANGE + COUPLING VERSION



HRS100 FLANGED VERSION

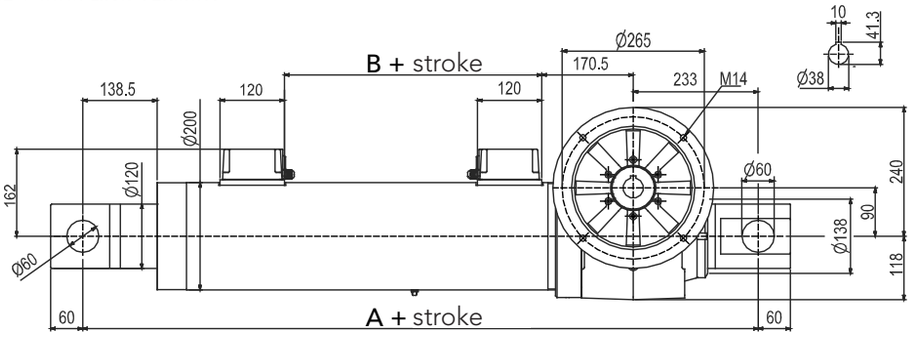


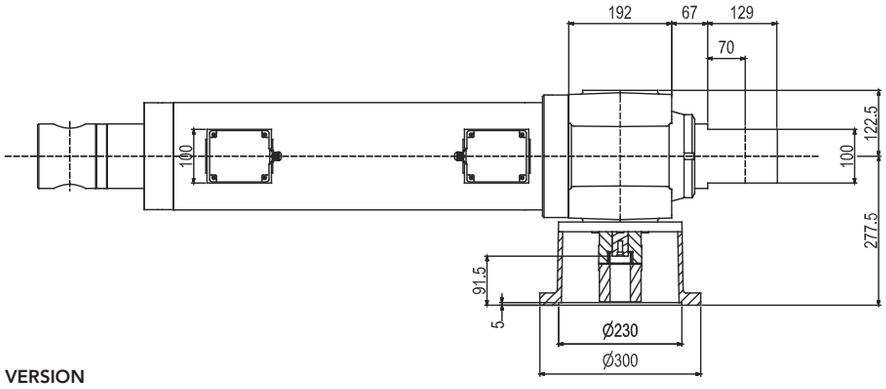
HRS100 GEARMOTOR VERSION



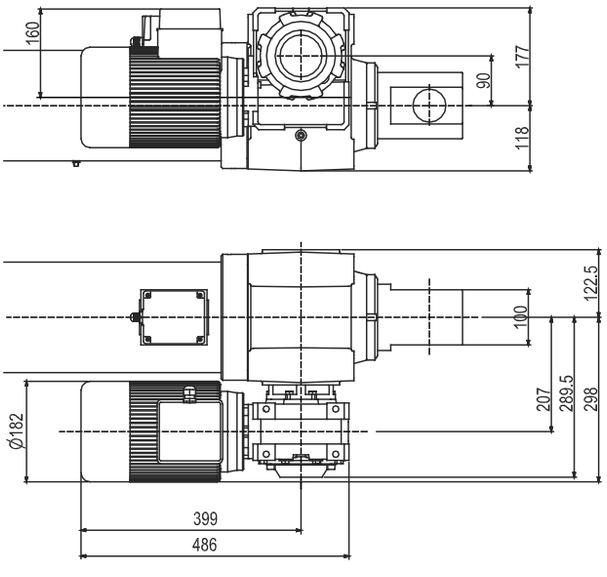
DIM.	TPN/VRS		DIM.	BELL FLANGE + COUPLING	
	HRS100 TPN	HRS100 VRS		IEC 100/112 B5	IEC 132 B5
A	706	790	D1	Ø 28	Ø 30
B	10	160	D2	Ø 180	Ø 230
C	80	80	D3	Ø 215	Ø 265
D	120	155	D4	Ø 250	Ø 300
E	122	140	F	Ø 14.5	Ø 14.5
G	135	152	L1	5	5
			L2	68	91
			L3	239	274
			T	8	10
			T1	31.3	41.3

HRS200 BELL FLANGE + COUPLING VERSION





HRS200 GEARMOTOR 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 damages of internal components.

HRS

ORDERING KEY

HRMS100/0250/M02/CA-400/50-T-112-4-4/AB/M0/1/E06/2FC1P1/A1/B+L

MODEL
HRS50 / HRS50 VRS / HRS100 / HRS100 VRS / HRS200 / HRS200 VRS
with motor: indicate HRMS and the size/version required

STROKE
es. 250 mm = 0250

VERSION
M01 / M02 / M03 / M04 / M05
M00 = Not standard speed
Flanged version: indicate reduction ratio and screw pitch

MOTOR
A.C.: indicate version, tension, type, size, n. of poles, power
with flat input motor flange indicate 0
with specific flat input motor flange indicate PD

AC MOTOR OPTION
Motorflange: for motorflange version only advise size - i.e.for IEC80 B14 put 80B14
Protection Degree: IP65, for selfbrake motor IP54 standard
Brake type: for brakemotors 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	1073	1208
	B	54		72		104	
	C	30		35		60	
	D	Ø 30		Ø 35		Ø 60	
	E	55		70		120	
	F	55		70		120	
A4	A	667	822	815	900	1040	1175
	G	Ø 30		Ø 35		Ø 60	
	H	R. 35		R. 40		R. 68.5	
	I	37.5		43		44	
A7	A	532	762	671	755	840	975
	L	M 30x2		M 36x2		M 52x3	
	M	55		70		80