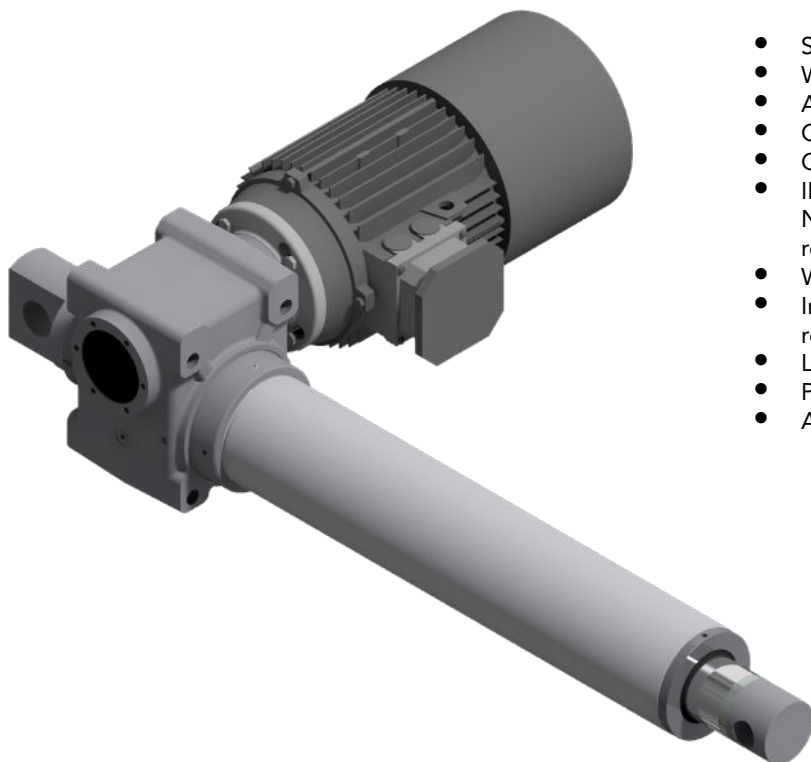




- Single-phase or tri-phase AC motor
- Worm gearbox
- Acme lead screw or ballscrew (VRS)
- Chrome plated steel push rod
- Grease Lubricated
- IP55, tested according to rule CEI EN 60529
NB: Only for brake motors Standard IP54, IP65 on request
- Working temperature range -10°C +60°C
- Intermittent duty S3 30% (5 min) a 30°C - for any other request contact 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 (Vac 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	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 tri-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 STROKE SETUP section

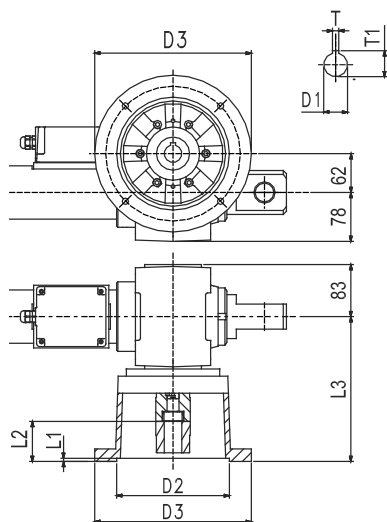
With single-phase motors type M (see in paragraph ACCESSORIES) performances are 20% lower than the three-phase motor.

→ The brakemotor is strongly recommended

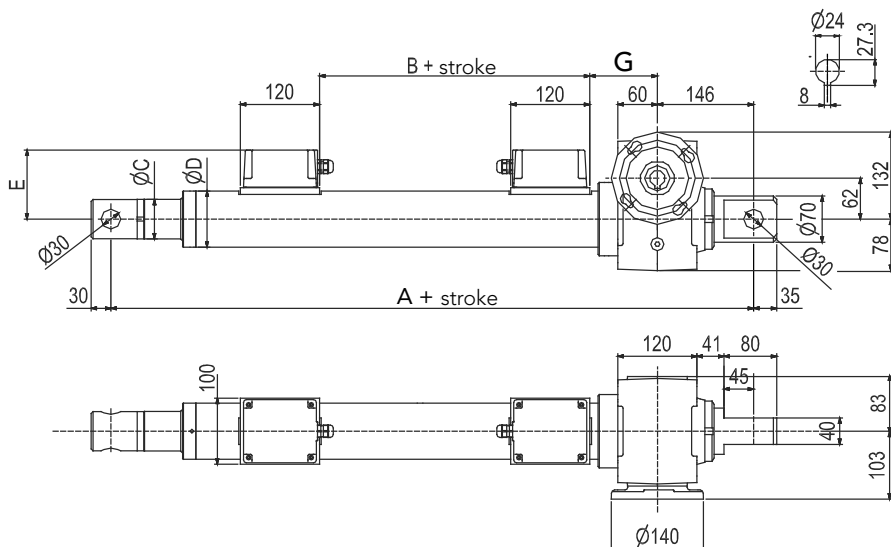
THIS DOCUMENT DISPLAYS MOST TYPICAL STANDARD FEATURES AND SETUPS: CONTACT OUR OFFICES FOR MORE. ACTUATOR SHALL NOT COME TO MECHANICAL STROKE-END, TO AVOID FAILURES. CONSIDER MECVEL's LIMITSWITCHES OR PUT THEM ON MACHINE/FRAME. BEFORE OPERATING ACTUATOR MAKE SURE YOU READ AND UNDERSTOOD BASIC OPERATIONAL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

 MecVel reserves the right to change products information and/or features without notice; all data contained in this catalogue are purely indicative and not binding for the company.

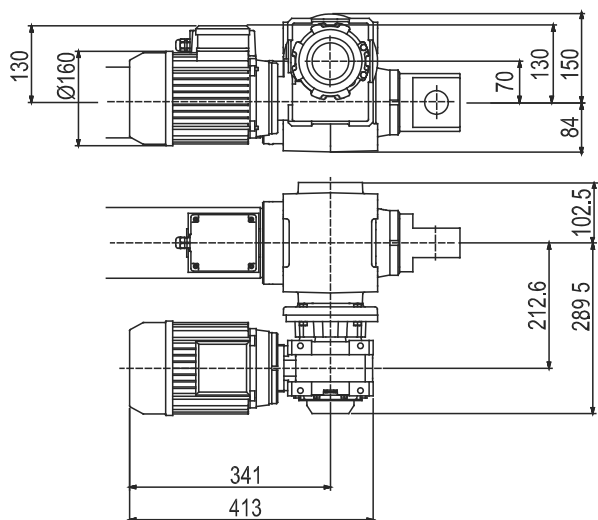
HR550 BELL FLANGE + COUPLING VERSION



HR550 FLANGED VERSION

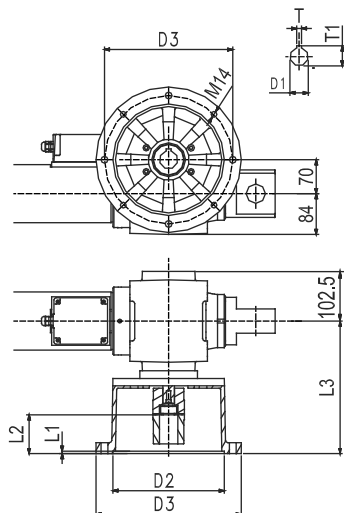


HR550 GEARMOTOR VERSION

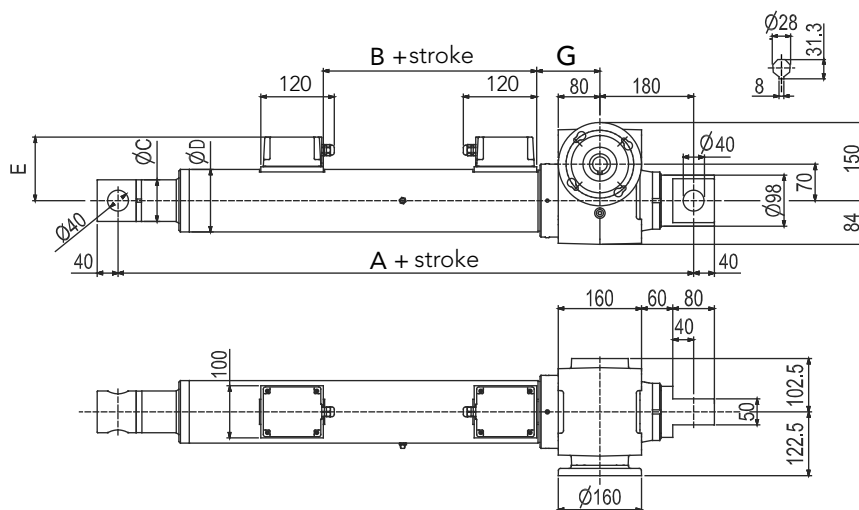


DIM.	TPN/VRS		DIM.	BELL FLANGE + COUPLING
	HR550 TPN	HR550 VRS		IEC 100/112 B5
A	575	715	D1	Ø 28
B	10	104	D2	Ø 180
C	60	70	D3	Ø 215
D	85	140	D4	Ø 250
E	105	132	F	Ø 14.5
G	123	161	L1	5
			L2	68
			L3	231
			T	8
			T1	31.3

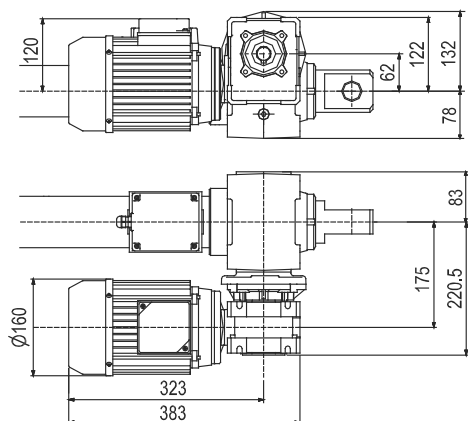
HR5100 BELL FLANGE + COUPLING VERSION



HR5100 FLANGED VERSION

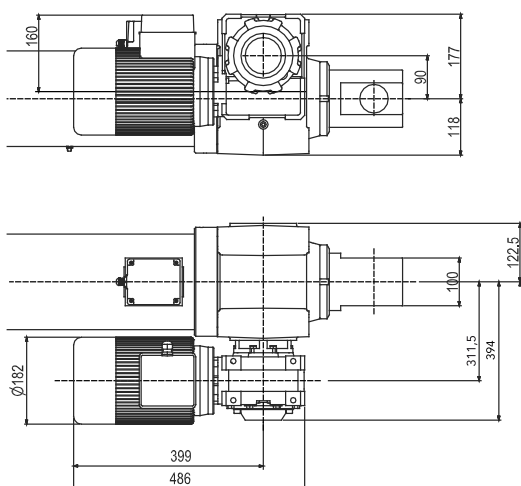


HRS100 GEARMOTOR VERSION



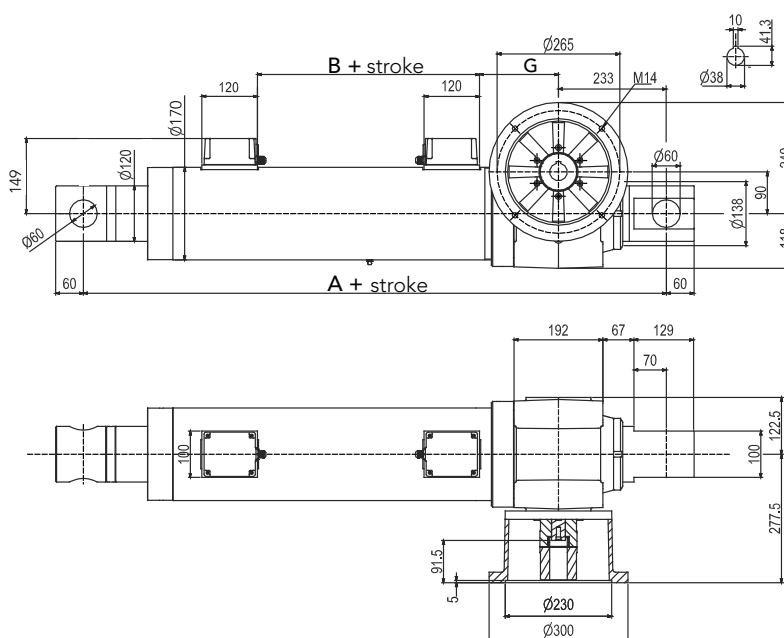
DIM.	TPN/VRS		DIM.	BELL FLANGE + COUPLING
	HRS100 TPN	HRS100 VRS		IEC 132 B5
A	706	790	D1	Ø 30
B	10	158	D2	Ø 230
C	80	80	D3	Ø 265
D	120	155	D4	Ø 300
E	122	141	F	Ø 14.5
G	152	161	L1	5
			L2	91
			L3	274
			T	10
			T1	41.3

HRS200 GEARMOTOR VERSION



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

HRS200 BELL FLANGE + COUPLING VERSION



HRMS100/0250/M02/CA-400/50-T-112-4-4/AB/M0/1/E06/2FCI/P1/A1/B+L
MODEL

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

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, 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	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

