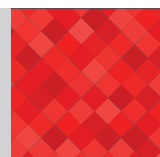




TECHNICAL CATALOG

ENGLISH

**VIBRATING
BASES**



 **MoxMec**[®]
MODULES FOR MECHATRONICS

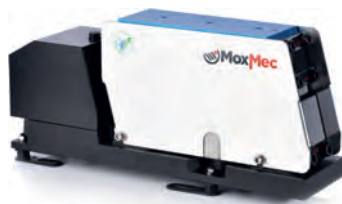
VIBRATING BASES





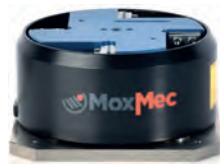
CIRCULAR ADER

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LINEAR ADER

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CIRCULAR ADERAF

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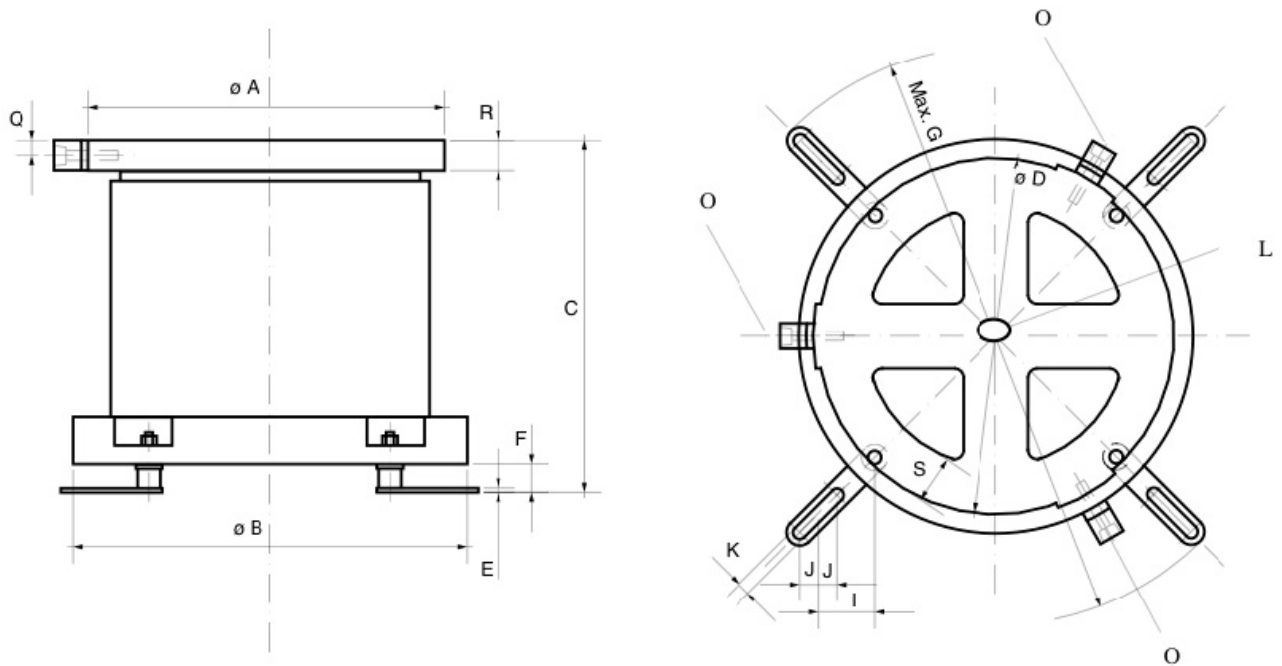
CIRCULAR ADDER

Circular vibrating piezo-electric bases on which different types of bowls can be mounted: conical, cylindrical and spiral shape, with a diameter from, 100 mm to 800 mm. They guarantee a continuous feeding of the pieces. Particularly suitable for the feeding and orienting of small, light and thin workpieces.



TECHNICAL FEATURES

	ADER 00	ADER 02	ADER 05	ADER 10	ADER 20	ADER 30	ADER 40	ADER 46
Voltage	0-250V 50-60Hz o 24V DC		0-250V 50-60Hz					
Amperage (mA)	8	15	37	65	90	165		
Oscillations (Hz)	0÷255	0÷240	0÷223	0÷210	0÷165	0÷152	0÷115	
Base weight (Kg)	1,7	3,3	5,3	12,3	17,8	32,6	53	
Max bowl weight (Kg)	0,3	0,6	2	3	5	8	14	25
Max Weight of pieces (Kg)	0,2	0,4	0,8	1,5	2,5	3	5	
Temperature (°C)	0÷40							
Humidity (%)	10÷90							
Controller (W)	20			40				

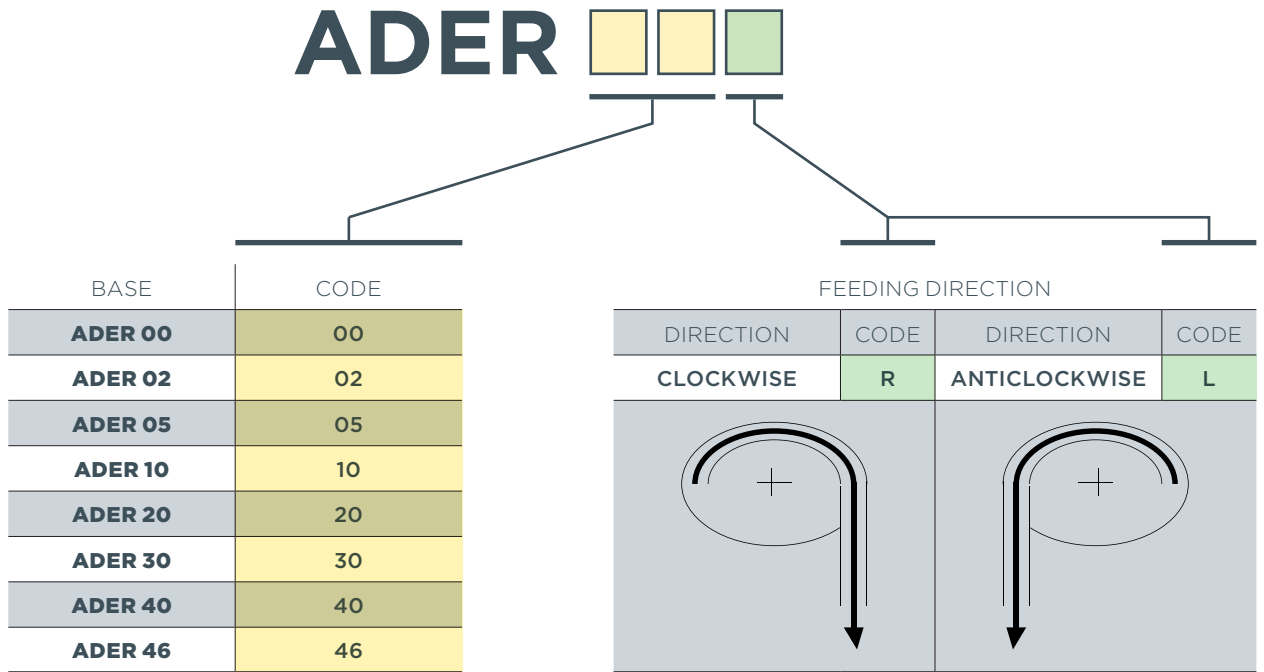


DIMENSIONS IN MM

	A	B	C	D	E	F	G	H	I	J	K	L	O	Q	R	S
ADER 00	90	100	100	0	2,3	15	175	80	30	10	7	M6	-	-	-	-
ADER 02	120	130	115	50	2,3	15	205	110	30	10	7	M6	-	-	-	-
ADER 05	150	160	137	-	2,3	15	225	130	30	10	7	M8	M5	8	16	-
ADER 10	190	210	187	184	2,3	15	290	180	35	10	7	M12	M5	8	16	22
ADER 20	230	260	205	224	2,3	15	330	220	35	10	7	M12	M8	9,5	19	27
ADER 30	300	320	225	294	3,2	19	414	270	45	15	7	M12	M8	9,5	19	32
ADER 40	390	440	252	384	3,2	26	543	380	50	15	7	M16	M10	12,5	24	37
ADER 46	460	530	304	465	4,5	25	645	465	60	15	10	M16	M10	6	25	

The dimensions are approximate and they can be changed

HOW TO ORDER **CIRCULAR ADER BASES**



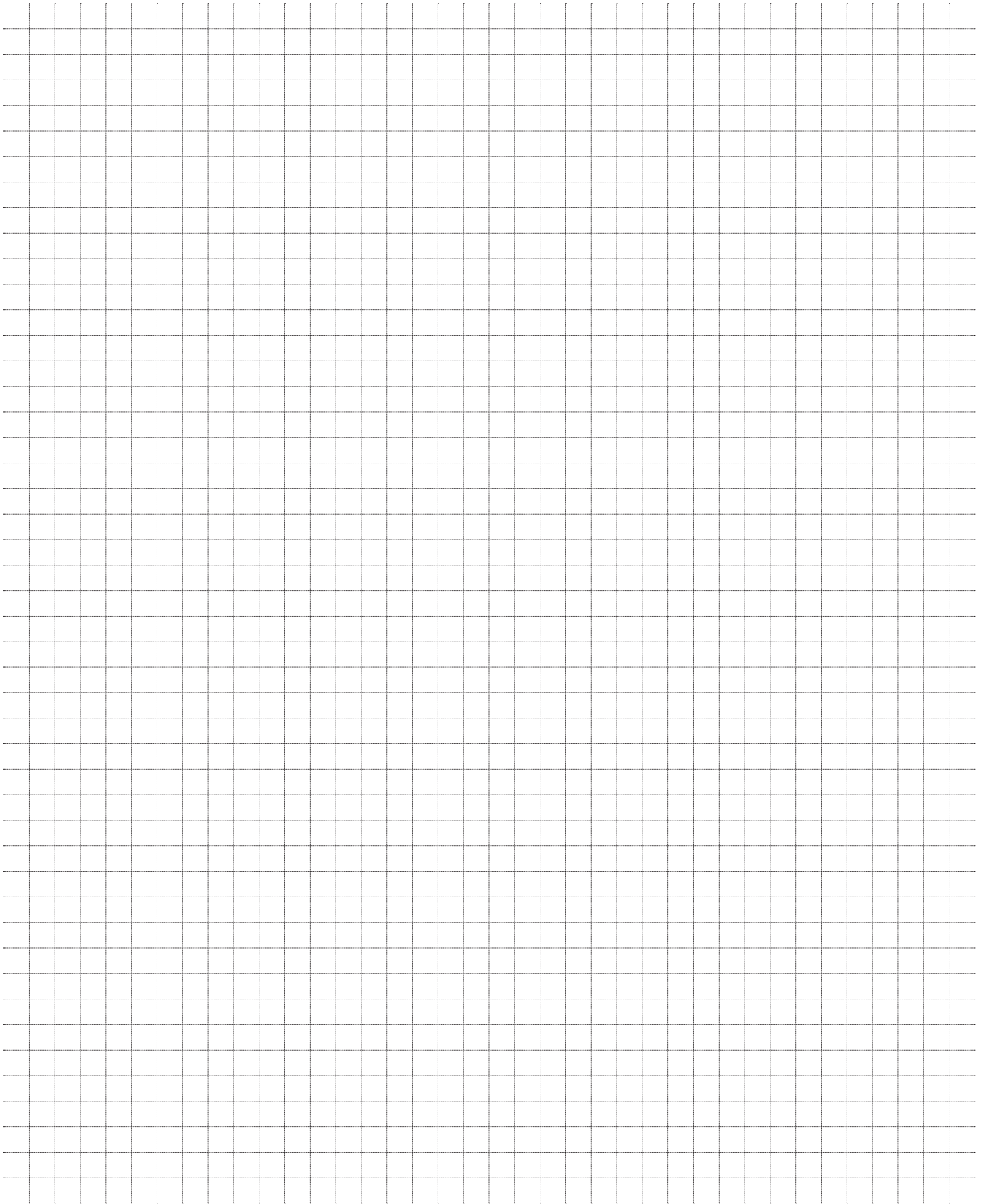
NOTE:

The colour of the product is available in **MoxMec**® colours which are grey (colour RAL 7043), blue (colour RAL 5015) and Nicked.

All the selected codes must be filled in one by one without spacer mark. Where no code is needed, replace with “=” mark.

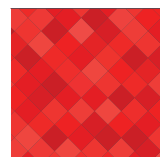
EXAMPLE OF REQUEST CODE:

ADER00L



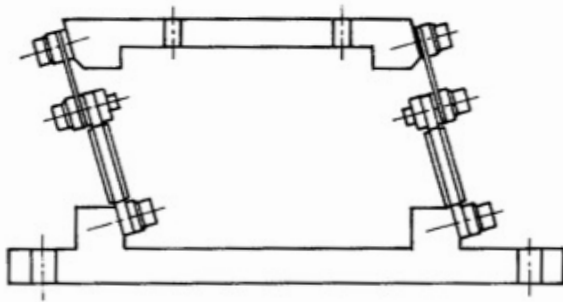


LINEAR FEEDER



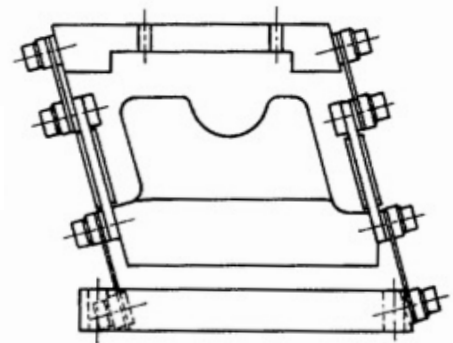
The piezo-electric in-line feeders have a vibrating base where a chute is applied. This last one is made according to the parts to be fed. The application of the in-line feeder is well indicated to avoid

the continuous working of the circular feeder, that means less noise and less wear of feeder's bowl.

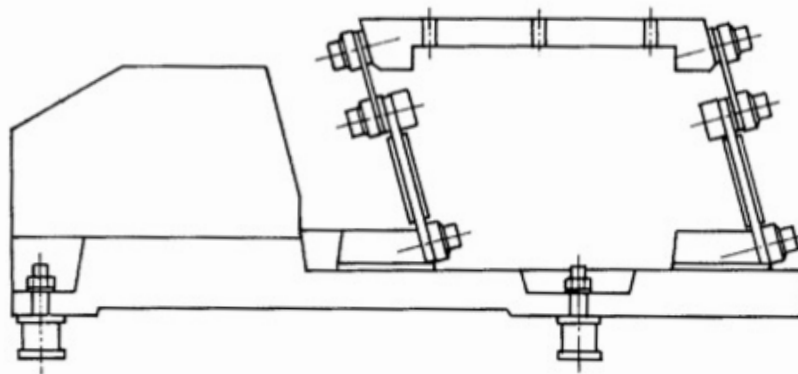


Direct Type **VD**

Feeding
Direction



Spring Type **VM**

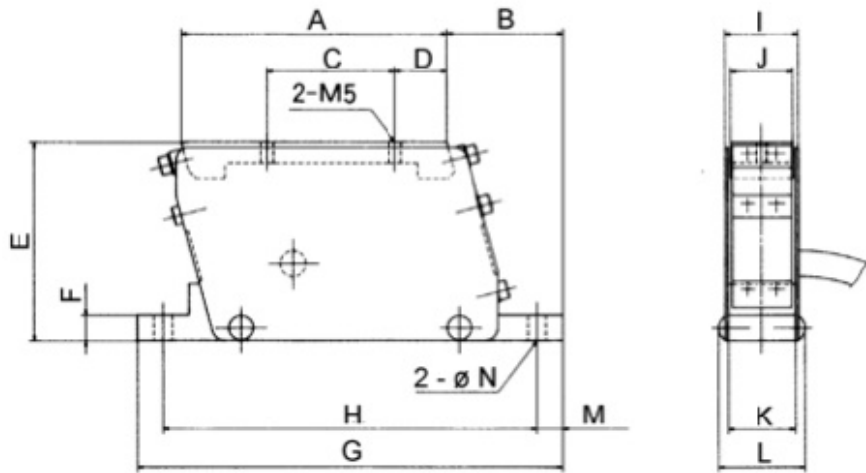


Balanced Type **VB**

Feeding
Direction

TECHNICAL FEATURES

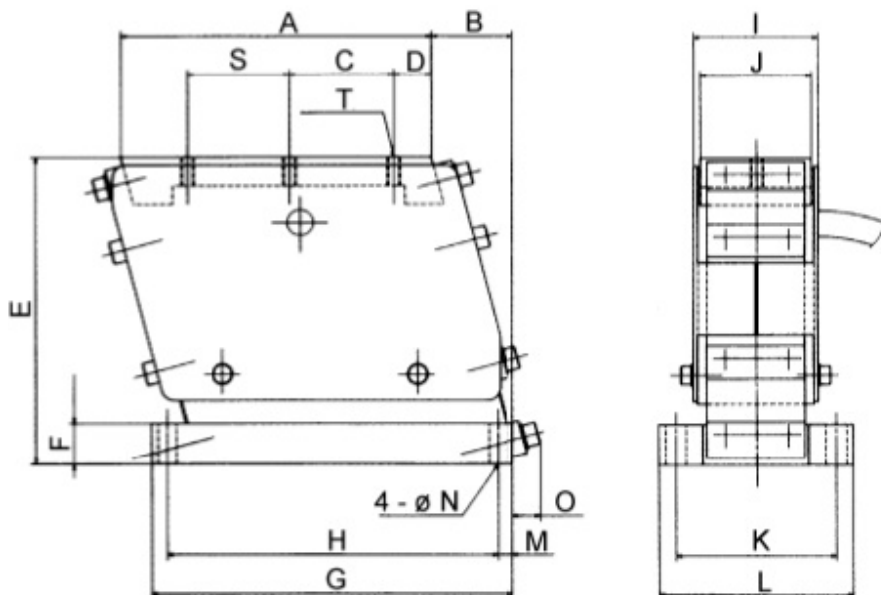
	DIRECT VD		SPRING VM			BALANCED VB					
	5A	15A	25A	60A	125A	30AG	75AG	150AG	200AG	250AG	
Voltage	0-250V 50-60Hz o 24V DC					0-250V 50-60Hz	0-250V 50-60Hz o 24V DC				
Amperage (mA)	5	8	8	17	24	7	13	20	30	41	
Oscillations (Hz)	160	135	130	110	86	182	158	110	105	75	
Base weight (Kg)	0,5	0,8	1,4	3,8	9	2	3,5	7	13	18	
Max chute weight (Kg)	0,2	0,3	0,5	1,2	2,5	0,6	1,5	3	4	5	
Max chute length (mm)	200	250	300	350	500	300	400	500	600	700	
Max chute width (mm)	15	20	22	33	45	20	34	45	48	50	
Temperature (°C)	0÷40										
Humidity (%)	10÷90										
Controller (W)	20				40	20			40		



DIRECT TYPE › VD › DIMENSIONS IN MM

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
VD-5A	82	38,7	40	21,3	68	8	135	120	21,4	17	19	29,4	7,5	7,5
VD-15A	106,4	43,2	50	21,8	77	10	165	145	29,4	25	27	37,4	10	7,5

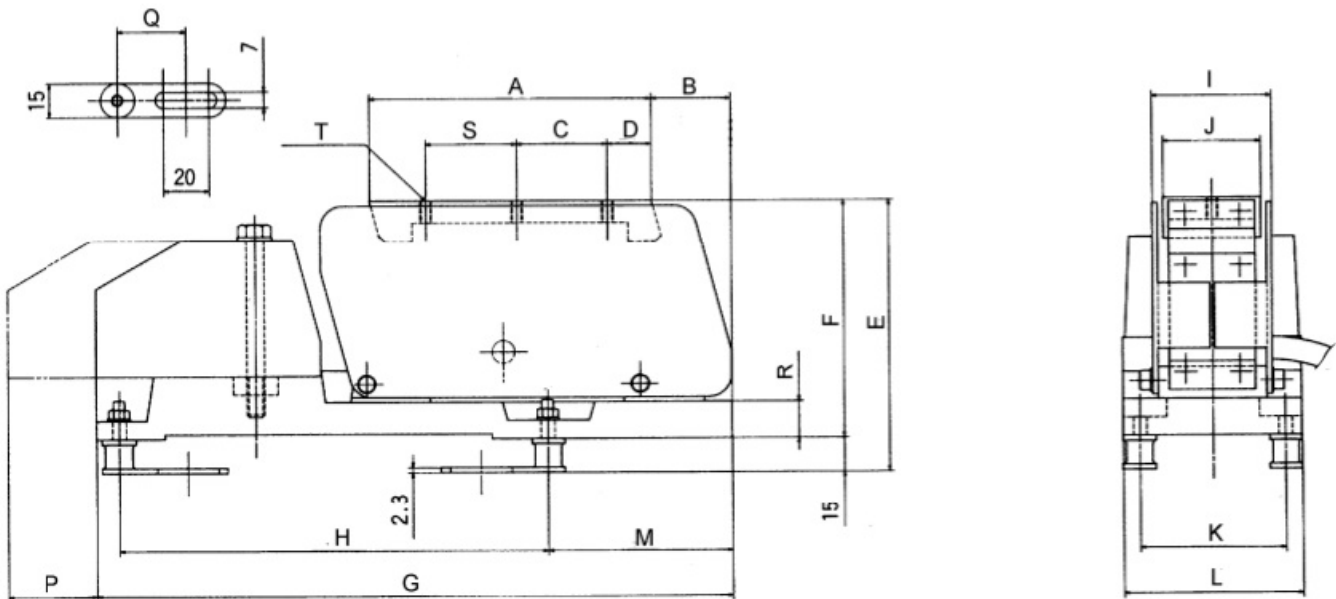
The dimensions are approximate and they can be changed



SPRING TYPE › VM › DIMENSIONS IN MM

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	S	T
VM-25A	87	23	40	17	92	12	100	90	31,4	27	45	55	5	6	9	-	M4 N°2
VM-60A	123,4	30	40	16	119	16	140	128	48,2	43	62	75	6	7	11	40	M5 N°3
VM-125A	163,8	40	52	23	155	22	192	176	61,6	55	80	100	8	9	12	52	M6 N°3

The dimensions are approximate and they can be changed

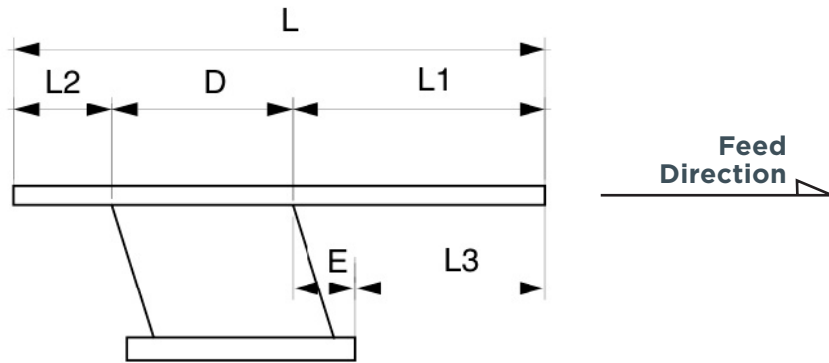


BALANCED TYPE › VB › DIMENSIONS IN MM

	A	B	C	D	E	F	G	H	I	J	K	L	M	P	Q	R	S	T
VB-30AG	56	27	40	3	92	77	145	97	34,4	28	45	60	40	20	30	8	-	M4 N°2
VB-75AG	72	32,5	40	12,5	110	95	175	110	48,4	42	60	75	57	25	30	9	-	M5 N°2
VB-150AG	128,5	32	40	23	121	106	280	190	52,6	43	65	80	80	40	30	16	40	M5 N°3
VB-200AG	170	44	52	26	155	140	330	220	64,6	55	70	90	100	40	35	18,5	52	M6 N°3
VB-250AG	190	55	60	30	185	170	390	260	79,6	70	80	100	120	50	35	23	60	M8 N°3

The dimensions are approximate and they can be changed

SCHEMA FOR THE CHUTE LENGTH CALCULATION



CHUTE LENGTH	L3									
	LINEAR FEEDER MODEL									
	VD-5A	VD-15A	VM-25A	VM-60A	VM-125A	VB-30AG	VB-75AG	VB-150AG	VB-200AG	VB-250AG
150	2		15							
200	32	14	45	16		60				
250		44	75	46		90	74			
300			105	76	42	120	104			
350				106	72		134	101		
400					102		164	131		
450					132			161	124	
500					162			191	154	131
550									184	161
600									214	191
650										221
700										251
D	82	106	87	123	164	56	72	128	170	190
E	39	43	23	30	40	27	33	32	44	55

The dimensions are approximate and they can be changed

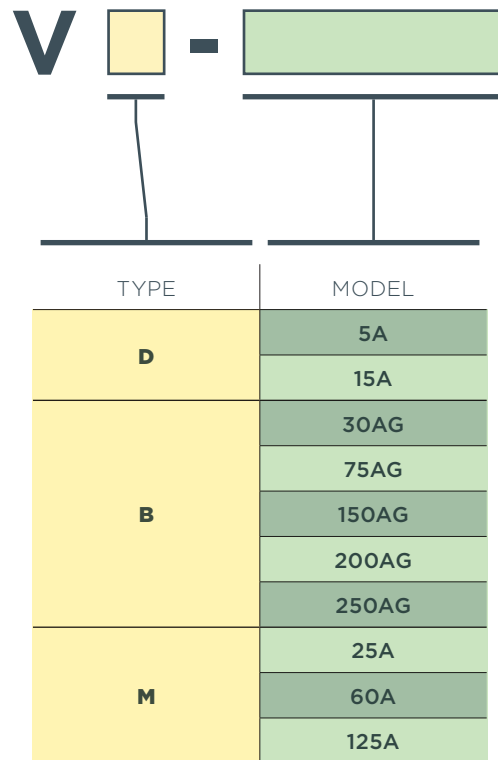
NOTE:

All size are in millimeters.

To balance the chute on the linear feeder base, the following ratio must be kept:

$$L1 = 1,5 \times L2$$

HOW TO ORDER **LINEAR ADER BASES**



N.B.:

The colour of the product is available in **MoxMec®** colours which are grey (colour RAL 7043), blue (colour RAL 5015) and nickeled.

All the selected codes must be filled in one by one without spacer mark. Where no code is needed, replace with “=” mark.

EXAMPLE OF REQUEST CODE:

VM-25A



CIRCULAR ADERAF

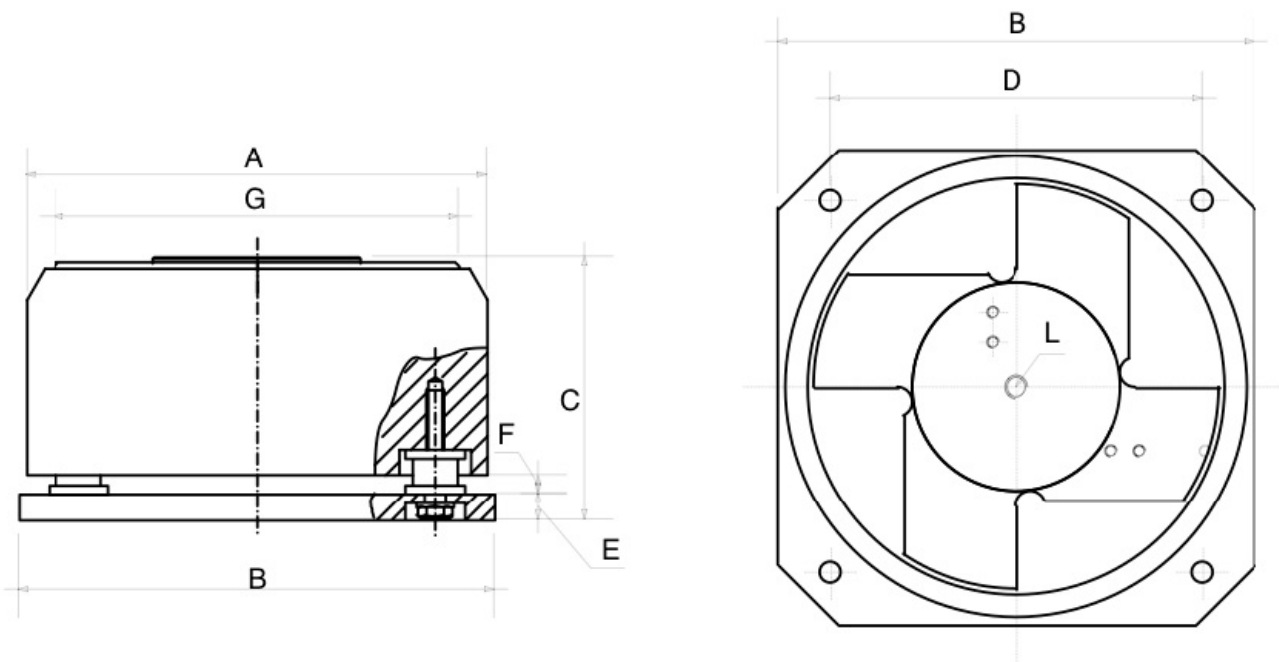


High frequency vibrating circular piezo-electric bases that, thanks to the fluctuations produced by the piezo-leafsprings, allow to feed microcomponents with the maximum simplicity.

They have a centesimal quote tolerance, so allow to mount CNC machined bowls, suitable for high precision sorting grooves

TECHNICAL FEATURES

	ADERAF -0	ADERAF 00	ADERAF 05	ADERAF 10
Voltage	0-250V 50-60Hz o 24V DC			0-250V 50-60Hz
Amperage (mA)	7	10	20	37
Oscillations (Hz)	300÷400	200÷300	200÷245	160
Base weight (Kg)		2,5	6,5	11,8
Max bowl weight (Kg)	0,6	1	3	5
Max bowl Ø (mm)	100	150	250	310
Temperature (°C)	0÷40			
Humidity (%)	10÷90			
Controller (W)	20			40



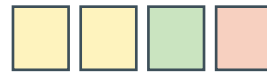
DIMENSIONS IN MM

	A	B	C	D	E	F	G	H	I	J	K	L	O	Q	R	S
ADERAF -0	60	60	66	50	6	7	60	-	-	-	5	M5	-	-	-	-
ADERAF 00	110	110	59	90	8	2	80	-	-	-	6	M6	-	-	-	-
ADERAF 05	155	160	82	125	10	2	136	-	-	-	7	M8	-	-	-	-
ADERAF 10	214	214	105	176	-	10	190	-	-	-	-	M12	-	-	-	-

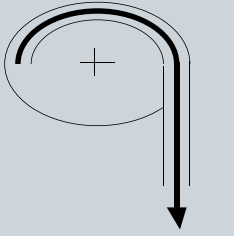
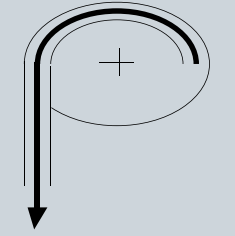
The dimensions are approximate and they can be changed

HOW TO ORDER **CIRCULAR ADERAF BASES**

ADERAF



BASE	CODE
ADERAF -0	-0
SPECIAL ADERAF 00	01
ADERAF 00	00
ADERAF 05	05
ADERAF 10	10

FEEDING DIRECTION			
DIRECTION	CODE	DIRECTION	CODE
CLOCKWISE	R	ANTICLOCKWISE	L
			

TYPE	CODE
WITH RIGID FEED <i>only for ADERAF 00 and 05</i>	0
WITH ANTIVIBRATION FEET	1
SILICONE RING <i>only for ADERAF -0</i>	2

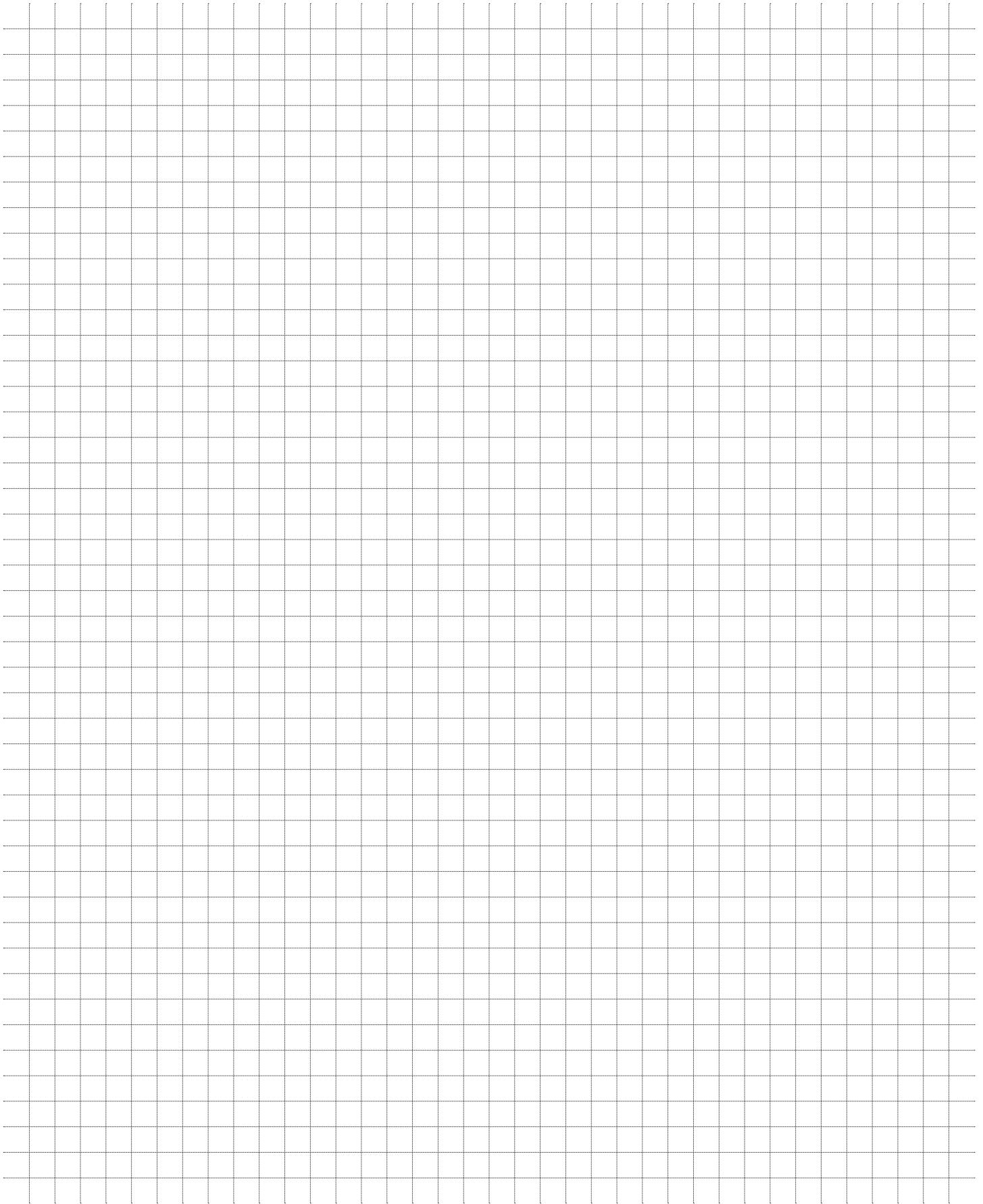
NOTE:

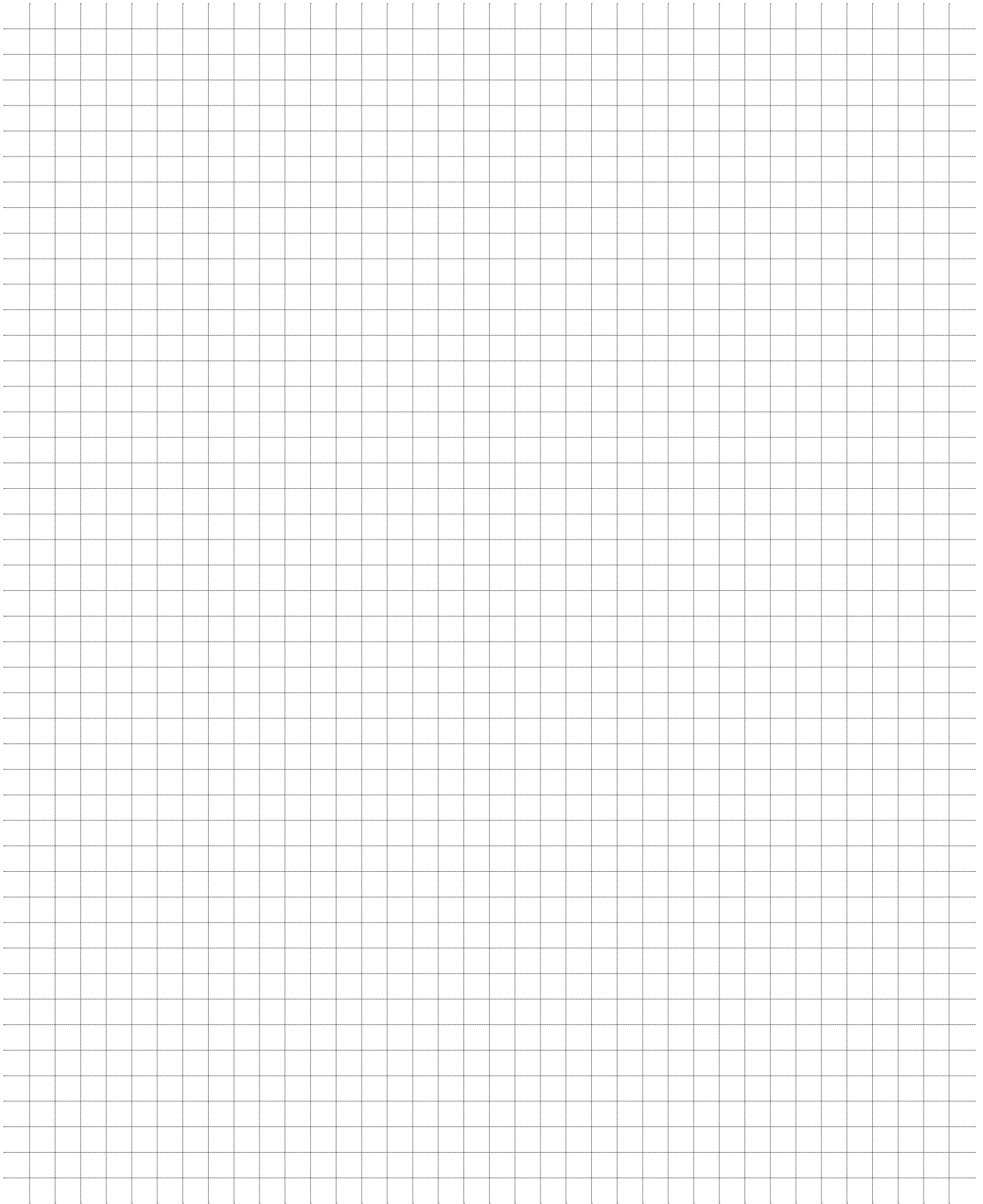
The colour of the product is available in **MoxMec**® colours which are grey (colour PLY MAP aluminium 484, the same as RAL7042), and blue (colour RAL 5015).

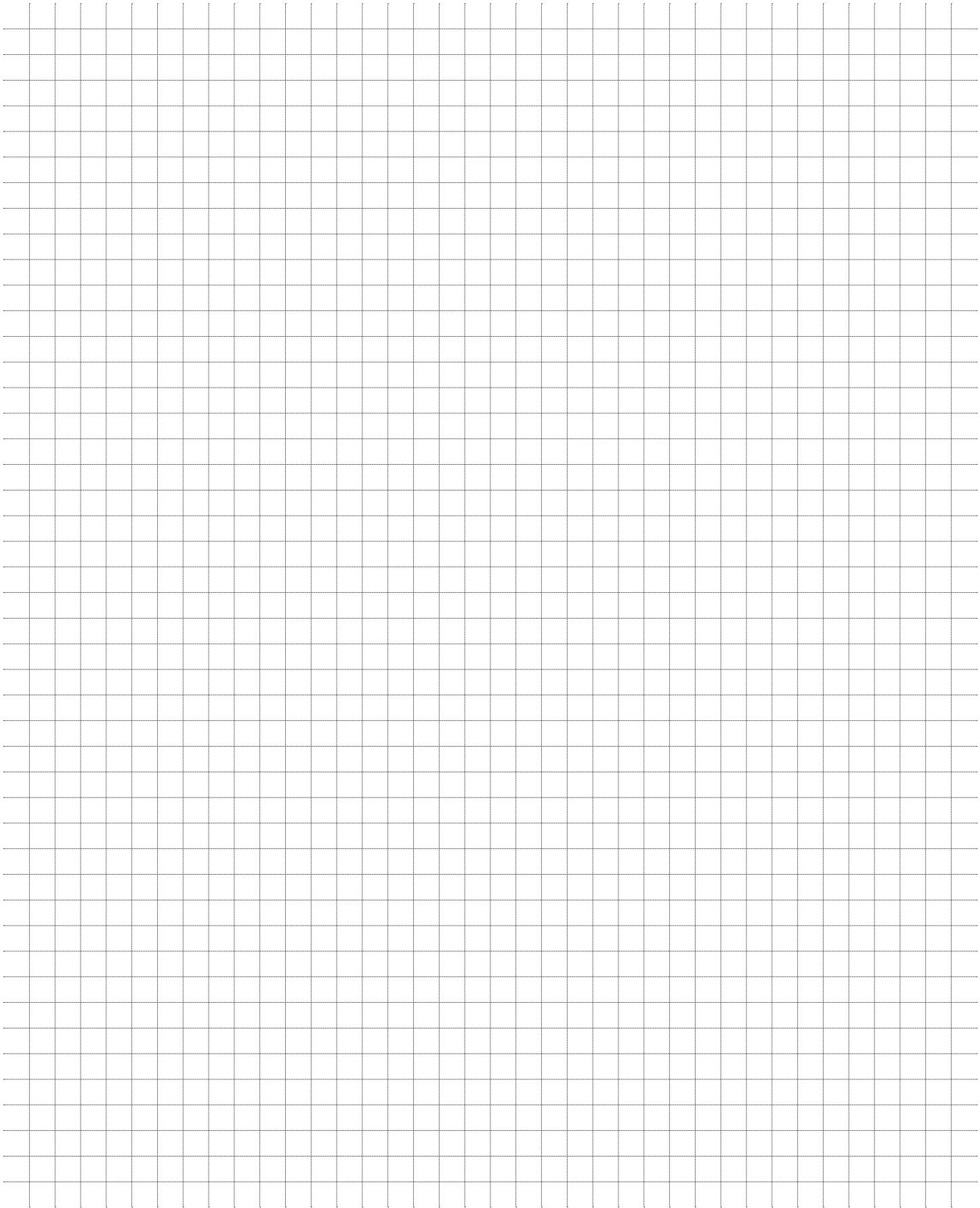
All the selected codes must be filled in one by one without spacer mark. Where no code is needed, replace with “-” mark.

EXAMPLE OF REQUEST CODE:

ADERAF00L2









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