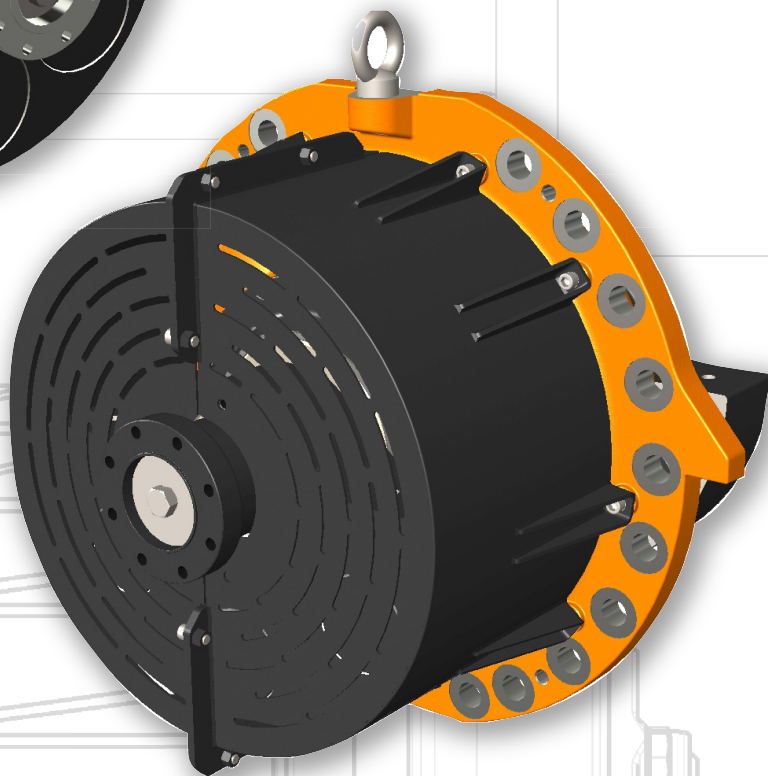


08.29771

VR 2016





VR rotary vibrator

The VR series rotary motion exciters manufactured by Italvibras have been designed for medium and large size vibrating machines operating in many industrial processes.

The state of the art design and components selected, offer best performance, low operating noise, resulting in a longer lifetime for bearings.

Model VR exciters must be mounted in line connected through cardan shafts.

Technical features

Functioning

VR rotary motion exciters are composed by a casing (central body) that, by means of 2 bearings supports the shaft. The eccentric weights are mounted at the end of shaft, rotating synchronized sense, determining a resulting rotational centrifugal force to the mounting side wall of the exciter.

Conformity to European Directives

In the application field of the Machinery Directive 2006/42/EC, the VR rotary motion exciters can be considered as "partly completed machinery".

Static moment

From 9693 to 73440 kgmm. The static moment of eccentric weights can be adjusted by means of the additional weights.

Centrifugal Force

Up to 55200kN.

Ambient temperature

From -40°C to +70°C.

Exciter mounting position

VR exciters must be mounted always with the shafts in horizontal position.

Lubrication

Bearings are oil splash / spray lubricated.

Driving system

The movement is transmitted by an external driving system coupled with the driving shaft by means of a joint, generally a Cardan joint (recommended). The external driving system can be an electric motor, a hydraulic motor or other motor type, directly coupled or by belts and pulleys.

Casing

In spheroidal cast iron.

Bearings

Spherical roller bearings, highest quality, rated lifetime in excess of 40000 hours in conditions of maximum load.

Shafts

In treated steel alloy (Isothermic hardening) resistant to stress.

Eccentric weights / additional weights

Eccentric weights in steel, additional weights in steel and/or lead.

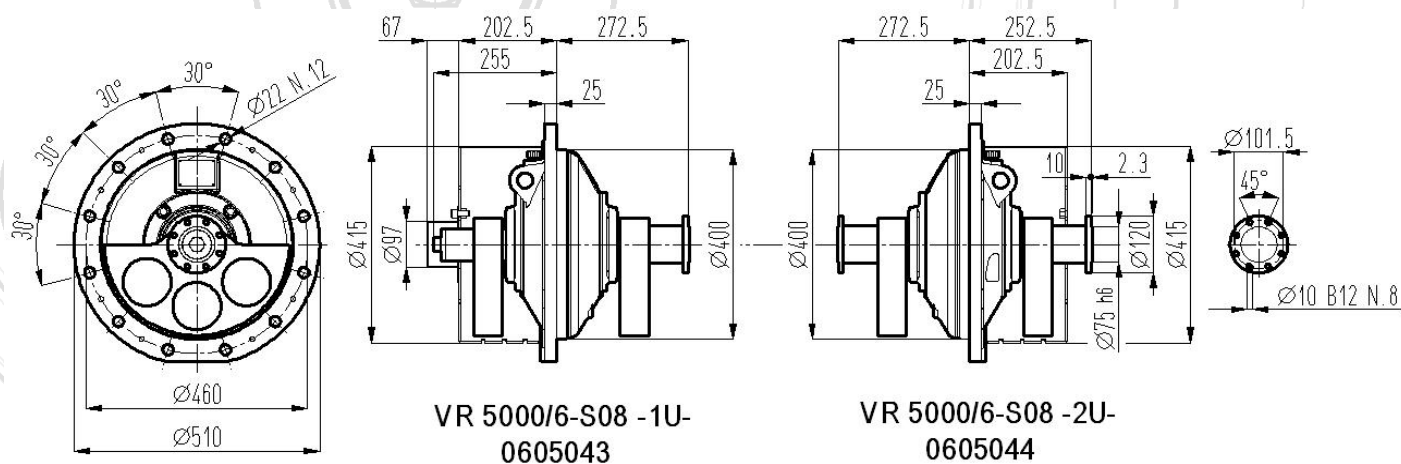
Weight covers

All exciters are equipped with one weight covers for protection from rotating parts.

Painting

Electrostatic surface treatment based on polymerised epoxy polyester powder in oven at +200°C. Tested in salt spray for 500 hours.

VR 5000/6-S08



POTENZA MOTORE CONSIGLIATA PER MOVIMENTARE DUE CELLE ROTANTI= KW 5,5
SUGGEST DRIVE MOTOR POWER FOR TWO CELLS= KW 5,5

CODICI E DATI TECNICI PART NUMBER AND TECHNICAL DATA

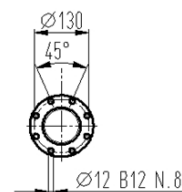
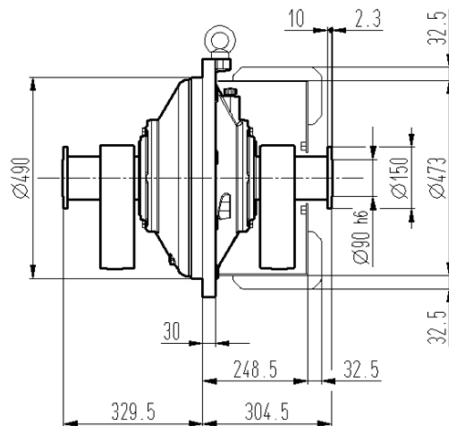
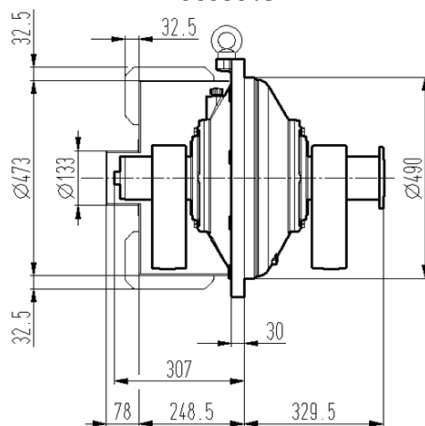
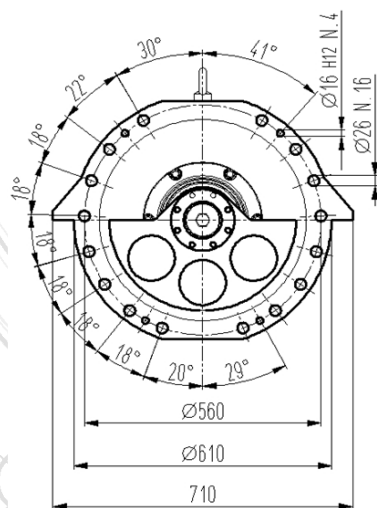
Codice Part Number	Configurazione Masse Weight Configuration	Momento Statico Totale Total Static Moment Kgmm	RPM max.	Forza Centrifuga Totale Total Centrifugal Force Kg	Tipo Cuscinetto Bearing Type	Durata Cuscinetto B10 Life h	Peso complessivo di Coperchi Weight included end Covers Kg	Prezzo Price
0605043 + 0605044		4294	1500	10800	22313	29800	143 + 143	
		4294	1443	10000		40000		
		6152	1256	10858		34950	150 + 150	
		6152	1235	10482		40000		
		6542	1218	10858		36040	157 + 157	
		6542	1202	10567		40000		
		7252	1157	10858		37950	161 + 161	
		7252	1149	10710		40000		
		8400	1075	10858		40840	164 + 164	
		8983	1040	10858		42230	167 + 167	
		9693	1000	10837		44200	171 + 171	
	Massello Vuoto Empty Additional Weight							
	Massello in Acciaio Codice 0517971 + Spina Elastica Codice 0506068 Steel Additional Weight P.N. 0517971 + Elastic Pin P.N. 0506068							
	Massello in Piombo Codice 0517972 + Spina Elastica Codice 0506068 Lead Additional Weight P.N. 0517972 + Elastic Pin P.N. 0506068							

**Velocità Limite
Speed Limit**

VR 8000/6-S08

VR 8000/6-S08 -1U-
0605048

VR 8000/6-S08 -2U-
0605049



POTENZA MOTORE CONSIGLIATA PER MOVIMENTARE DUE CELLE ROTANTI= KW 11
SUGGEST DRIVE MOTOR POWER FOR TWO CELLS= KW 11

CODICI E DATI TECNICI PART NUMBER AND TECHNICAL DATA

Codice Part Number	Configurazione e Masse Weight Configuration	Momento Statico Totale Total Static Moment Kgmm	RPM max.	Forza Centrifuga Totale Total Centrifugal Force Kg	Tipo Cuscinetto Bearing Type	Durata Cuscinetto B10 Life h	Peso complessivo di Coperchi Weight included end Covers Kg	Prezzo Price
0605048 + 0605049		8225	1600	23525	22319	20000	238 + 238	
			1460	19600		40000		
		11525	1381	24583		20000	249 + 249	
			1260	20520		40000		
		12245	1345	24778		20000	260 + 260	
			1230	20680		40000		
		15545	1213	25560		20000	271 + 271	
			1000	17370		88000		



Massello Vuoto
Empty Additional Weight



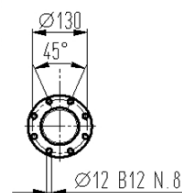
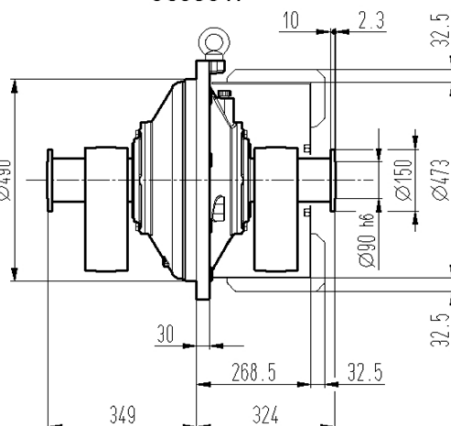
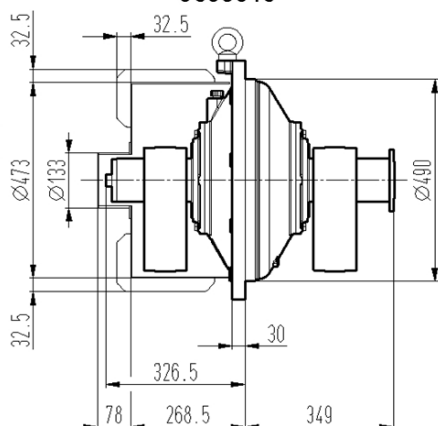
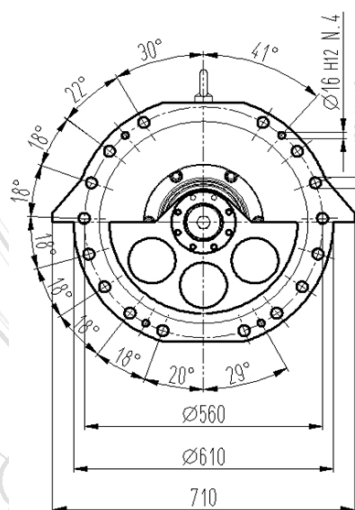
Massello in Acciaio Codice **0517924** + Spina Elastica Codice **0506068**
Steel Additional Weight P.N. **0517924** + Elastic Pin P.N. **0506068**

Velocità Limite
Speed Limit

VR 10000/6-S08

VR 10000/6-S08 -1U-
0605046

VR 10000/6-S08 -2U-
0605047



POTENZA MOTORE CONSIGLIATA PER MOVIMENTARE DUE CELLE ROTANTI= KW 11
SUGGEST DRIVE MOTOR POWER FOR TWO CELLS= KW 11

CODICI E DATI TECNICI PART NUMBER AND TECHNICAL DATA

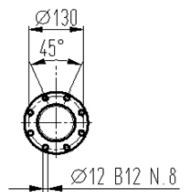
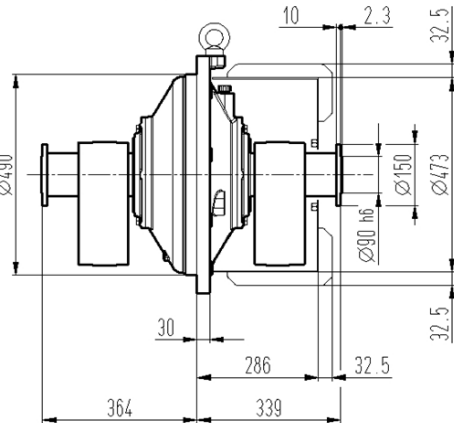
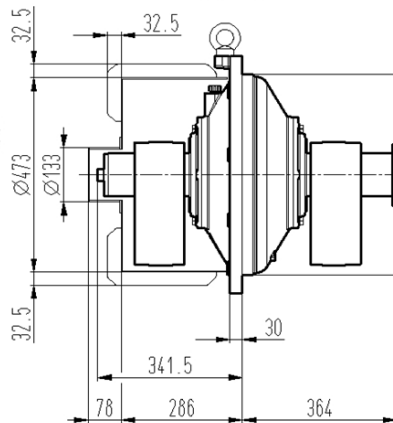
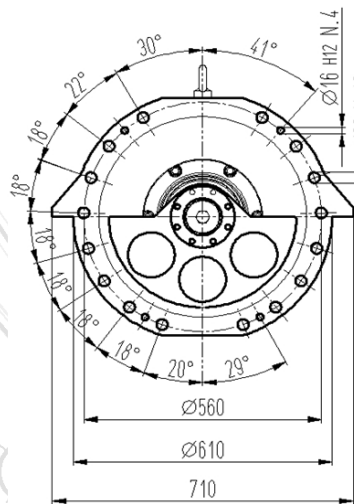
Codice Part Number	Configurazione e Masse Weight Configuration	Momento Statico Totale Total Static Moment Kgmm	RPM max.	Forza Centrifuga Totale Total Centrifugal Force Kg	Tipo Cuscinetto Bearing Type	Durata Cuscinetto B10 Life h	Peso complessivo di Coperchi Weight included end Covers Kg	Prezzo Price
0605046 + 0605047		10410	1444	24260	22319	20000	255 + 255	
			1320	20250		40000		
		14600	1246	25350		20000	269 + 269	
			1140	21160		40000		
		15510	1214	25550		20000	283 + 283	
			1110	21330		40000		
		19700	1094	26360		20000	296 + 296	
			1000	22000		40000		
	Massello Vuoto Empty Additional Weight							
	Massello in Acciaio Codice 0517914 + Spina Elastica Codice 0506068 Steel Additional Weight P.N. 0517914 + Elastic Pin P.N. 0506068							

Velocità Limite
Speed Limit

VR 11500/6-S08

VR 11500/6-S08 -1U-
0605050

VR 11500/6-S08 -2U-
0605051



POTENZA MOTORE CONSIGLIATA PER MOVIMENTARE DUE CELLE ROTANTI= KW 15
SUGGEST DRIVE MOTOR POWER FOR TWO CELLS= KW 15

CODICI E DATI TECNICI PART NUMBER AND TECHNICAL DATA

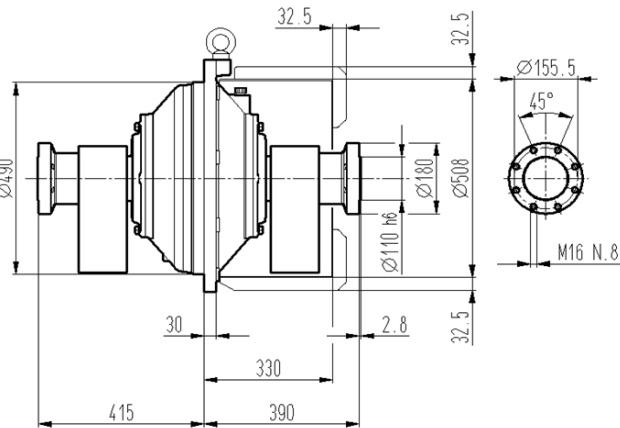
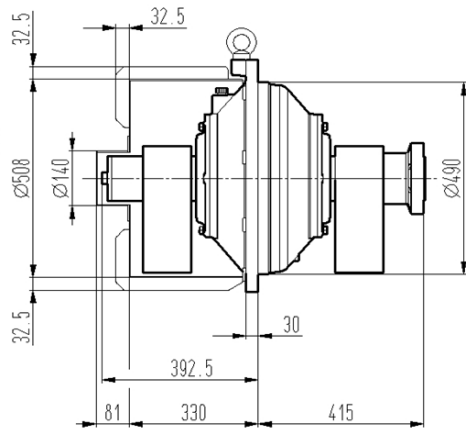
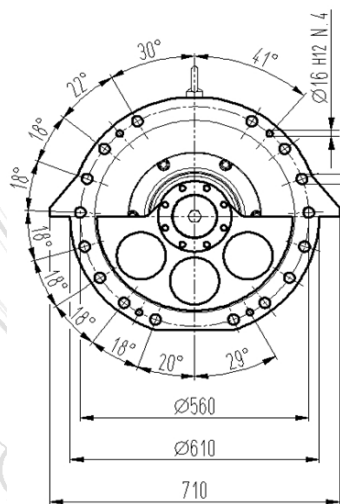
Codice Part Number	Configurazione e Masse Weight Configuration	Momento Statico Totale Total Static Moment Kgmm	RPM max.	Forza Centrifuga Totale Total Centrifugal Force Kg	Tipo Cuscinetto Bearing Type	Durata Cuscinetto B10 Life h	Peso comprensivo di Coperchi Weight included end Covers Kg	Prezzo Price		
0605050 + 0605051		12065	1354	24730	22319	20000	270 + 270			
			1237	20640		40000				
		16940	1168	25850		20000	286 + 286			
			1067	21570		40000				
		18005	1138	26060		20000	302 + 302			
			1040	21740		40000				
		22875	1000	25580		24200	318 + 318			
			750	14380		>100000				
		Massello Vuoto Empty Additional Weight								
		Massello in Acciaio Codice 0517928 + Spina Elastica Codice 0506068 Steel Additional Weight P.N. 0517928 + Elastic Pin P.N. 0506068								

**Velocità Limite
Speed Limit**

VR 14000/6-S08

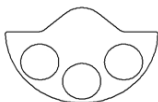
VR 14000/6-S08 -1U-
0605052

VR 14000/6-S08 -2U-
0605053



POTENZA MOTORE CONSIGLIATA PER MOVIMENTARE DUE CELLE ROTANTI= kW 15
SUGGEST DRIVE MOTOR POWER FOR TWO CELLS= kW 15

CODICI E DATI TECNICI PART NUMBER AND TECHNICAL DATA

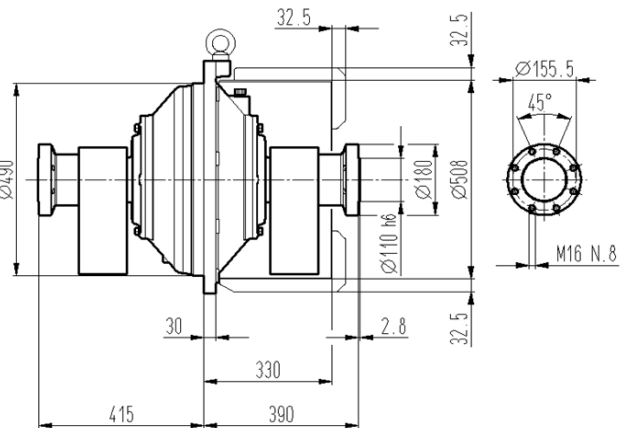
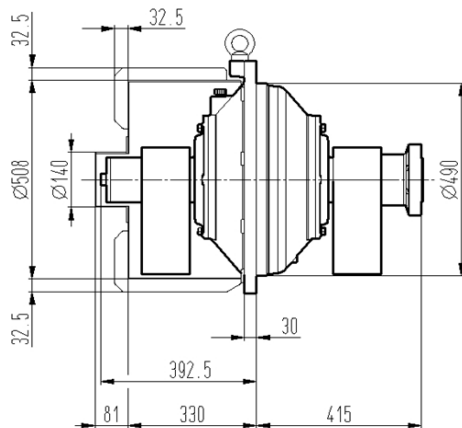
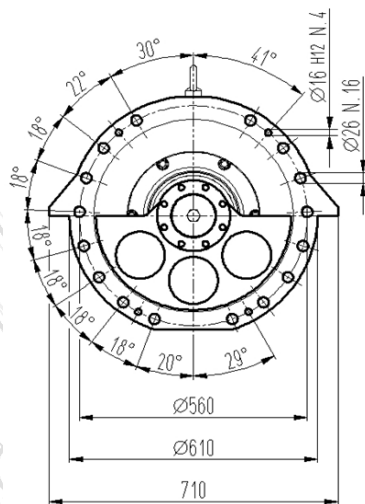
Codice Part Number	Configurazione e Masse Weight Configuration	Momento Statico Totale Total Static Moment Kgmm	RPM max.	Forza Centrifuga Totale Total Centrifugal Force Kg	Tipo Cuscinetto Bearing Type	Durata Cuscinetto B10 Life h	Peso complessivo di Coperchi Weight included end Covers Kg	Prezzo Price
0605052 + 0605053		17715	1334	35220	22322	20000	374 + 374	
			1218	29400		40000		
		22380	1205	36310		20000	388 + 388	
			1100	30300		40000		
		23380	1182	36520		20000	401 + 401	
			1080	30480		40000		
		28045	1092	37400		20000	415 + 415	
			1000	31355		39300		
	Massello Vuoto Empty Additional Weight							
	Massello in Acciaio Codice 0517914 + Spina Elastica Codice 0506068 Steel Additional Weight P.N. 0517914 + Elastic Pin P.N. 0506068							

Velocità Limite
Speed Limit

VR 17500/6-S08

VR 17500/6-S08 -1U-
0605054

VR 17500/6-S08 -2U-
0605055



POTENZA MOTORE CONSIGLIATA PER MOVIMENTARE DUE CELLE ROTANTI= kW 18,5
SUGGEST DRIVE MOTOR POWER FOR TWO CELLS= kW 18,5

CODICI E DATI TECNICI PART NUMBER AND TECHNICAL DATA

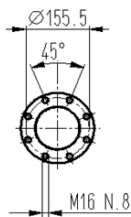
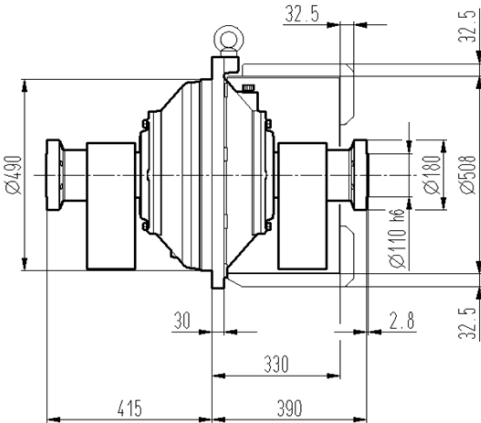
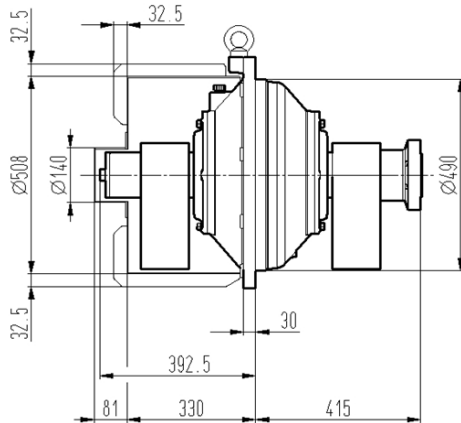
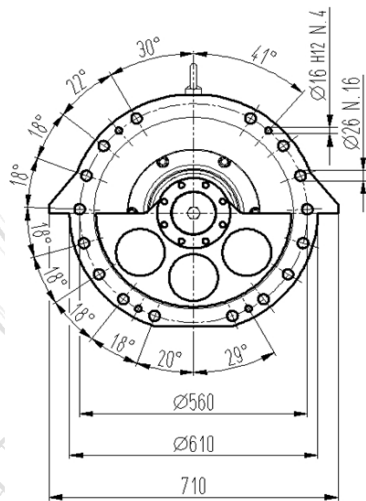
Codice Part Number	Configurazione e Masse Weight Configuration	Momento Statico Totale Total Static Moment Kgmm	RPM max.	Forza Centrifuga Totale Total Centrifugal Force Kg	Tipo Cuscinetto Bearing Type	Durata Cuscinetto B10 Life h	Peso complessivo di Coperchi Weight included end Covers Kg	Prezzo Price
0605054 + 0605055		18685	1303	35470	22322	20000	382 + 382	
			1190	29600		40000		
		26130	1126	37050		20000	405 + 405	
			1029	30925		40000		
		27735	1097	37340		20000	427 + 427	
			1000	31000		40000		
		35175	1000	39300		18500	450 + 450	
	Massello Vuoto Empty Additional Weight							
	Massello in Acciaio Codice 0517934 + Spina Elastica Codice 0506068 Steel Additional Weight P.N. 0517934 + Elastic Pin P.N. 0506068							

**Velocità Limite
Speed Limit**

VR 19000/8-S08

VR 19000/8-S08 -1U-
0605056

VR 19000/8-S08 -2U-
0605057



POTENZA MOTORE CONSIGLIATA PER MOVIMENTARE DUE CELLE ROTANTI= kW 15 (8 poli)
SUGGEST DRIVE MOTOR POWER FOR TWO CELLS= kW 15 (8 poles)

CODICI E DATI TECNICI PART NUMBER AND TECHNICAL DATA

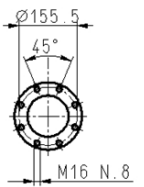
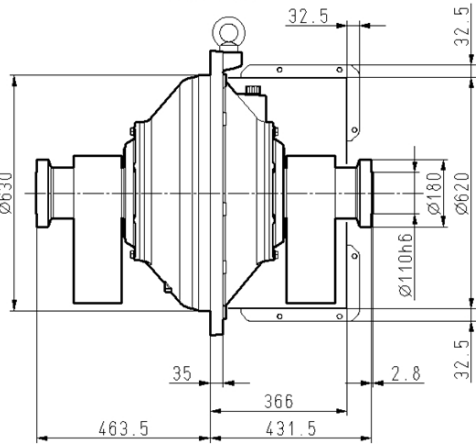
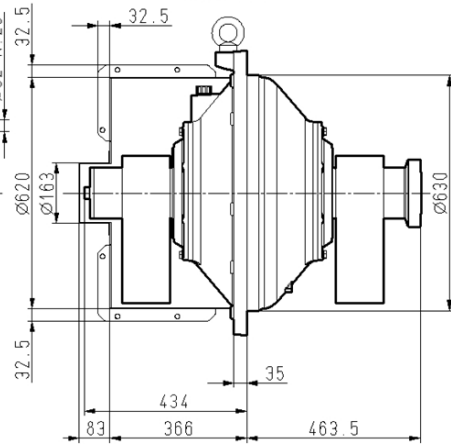
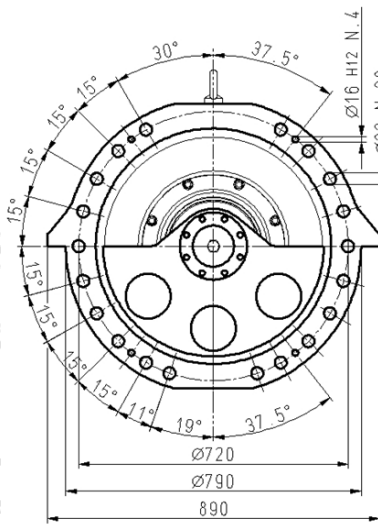
Codice Part Number	Configurazione e Masse Weight Configuration	Momento Statico Totale Total Static Moment Kgmm	RPM max.	Forza Centrifuga Totale Total Centrifugal Force Kg	Tipo Cuscinetto Bearing Type	Durata Cuscinetto B10 Life h	Peso complessivo di Coperchi Weight included end Covers Kg	Prezzo Price
0605056 + 0605057		20375	1255	35870	22322	20000	393 + 393	
			1147	29940		40000		
		28350	1087	37450		20000	417 + 417	
			993	31255		40000		
		30060	1060	37740		20000	441 + 441	
			968	31500		40000		
		38040	957	38940		20000	465 + 465	
			750	23920		>100000		
	Massello Vuoto Empty Additional Weight							
	Massello in Acciaio Codice 0517766 + Spina Elastica Codice 0506068 Steel Additional Weight P.N. 0517766 + Elastic Pin P.N. 0506068							

**Velocità Limite
Speed Limit**

VR 27500/6-S08

VR 27500/6-S08 -1U-
0605058

VR 27500/6-S08 -2U-
0605059



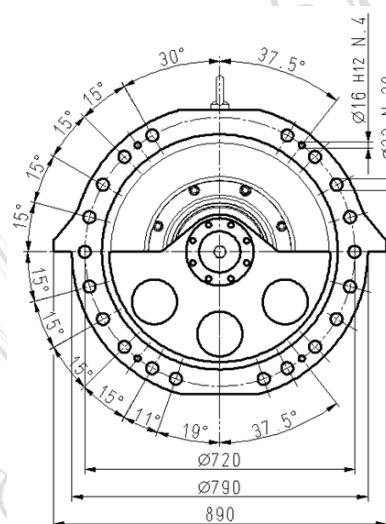
POTENZA MOTORE CONSIGLIATA PER MOVIMENTARE DUE CELLE ROTANTI= kW 30 (6 poli)
SUGGEST DRIVE MOTOR POWER FOR TWO CELLS= kW 30 (6 poles)

CODICI E DATI TECNICI PART NUMBER AND TECHNICAL DATA

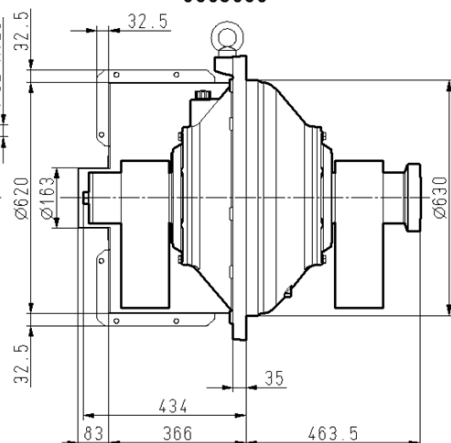
Codice Part Number	Configurazione e Masse Weight Configuration	Momento Statico Totale Total Static Moment Kgmm	RPM max.	Forza Centrifuga Totale Total Centrifugal Force Kg	Tipo Cuscinetto Bearing Type	Durata Cuscinetto B10 Life h	Peso complessivo di Coperchi Weight included end Covers Kg	Prezzo Price
0605058 + 0605059		39570	1074	51030	22328	20000	632 + 632	
			981	42590		40000		
		46595	1000	52090		20000	648 + 648	
			914	43510		40000		
		48130	986	52300		20000	664 + 664	
			901	43690		40000		
		55155	980	59200		13400	680 + 680	
			849	44480		40000		
	Massello Vuoto Empty Additional Weight							
	Massello in Acciaio Codice 0517928 + Spina Elastica Codice 0506068 Steel Additional Weight P.N. 0517928 + Elastic Pin P.N. 0506068							

**Velocità Limite
Speed Limit**

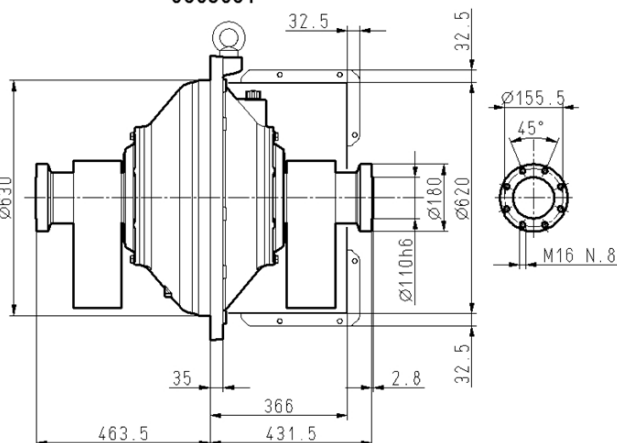
VR 37000/8-S08



VR 37000/8-S08 -1U-
0605060



VR 37000/8-S08 -2U-
0605061

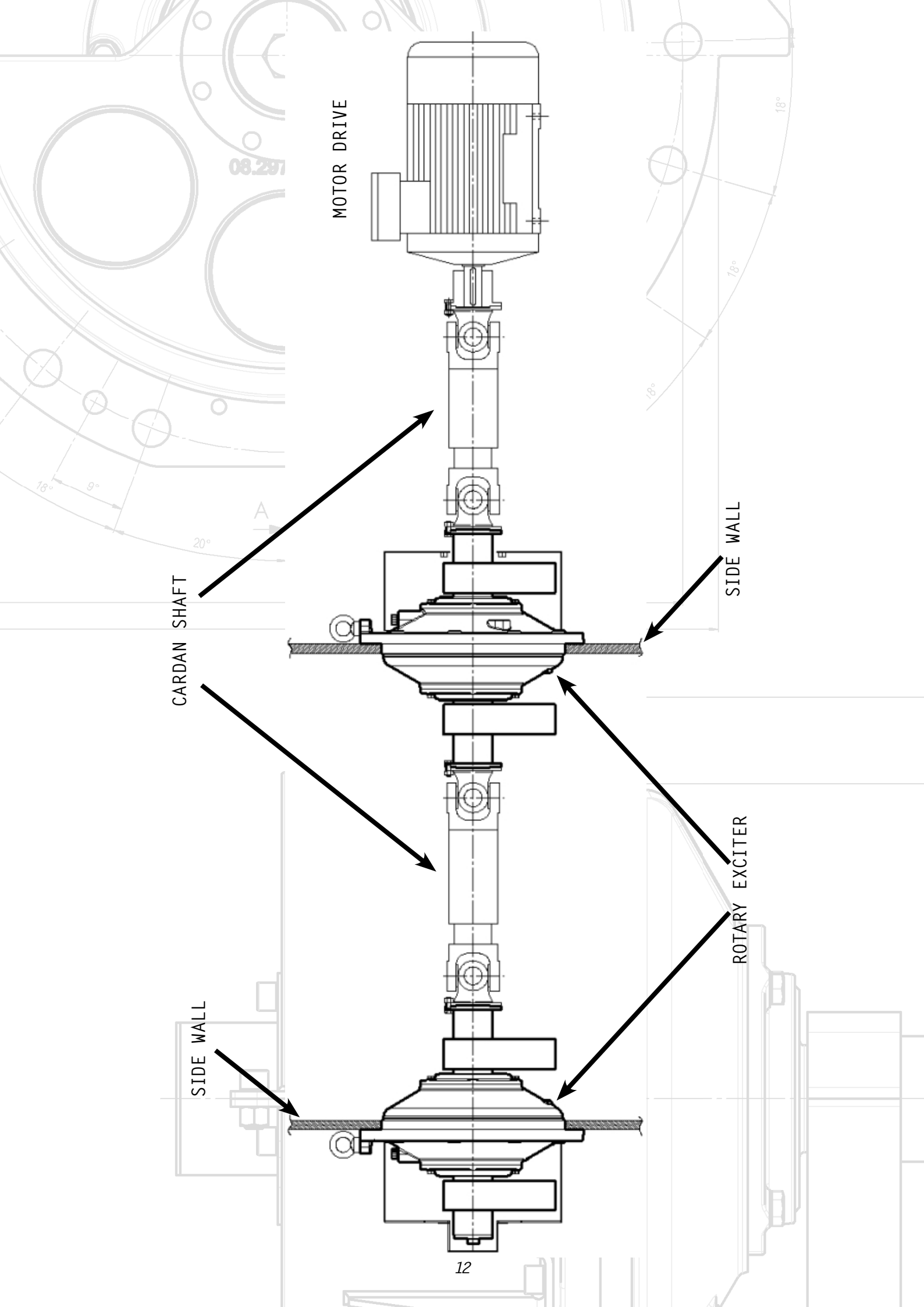


POTENZA MOTORE CONSIGLIATA PER MOVIMENTARE DUE CELLE ROTANTI= kW 30 (8 poli)
SUGGEST DRIVE MOTOR POWER FOR TWO CELLS= kW 30 (8 poli)

CODICI E DATI TECNICI PART NUMBER AND TECHNICAL DATA

Codice Part Number	Configurazione e Masse Weight Configuration	Momento Statico Totale Total Static Moment Kgmm	RPM max.	Forza Centrifuga Totale Total Centrifugal Force Kg	Tipo Cuscinetto Bearing Type	Durata Cuscinetto B10 Life h	Peso complessivo di Coperchi Weight included end Covers Kg	Prezzo Price
0605060 + 0605061		43580	1030	51680	22328	20000	659 + 659	
			1000	48756		25000		
			940	43132		40000		
		53510	942	53080		20000	681 + 681	
			860	44302		40000		
		55680	926	53360		20000	704 + 704	
			846	44532		40000		
		59980	896	53870		20000	720+ 720	
			819	44966		40000		
		65600	862	54500		20000	726 + 726	
			788	45495		40000		
		69140	842	54800		20000	734 + 734	
			770	45807		40000		
		73440	820	55200		20000	750 + 750	
			750	46170		40000		
	Massello Vuoto Empty Additional Weight							
	Massello in Acciaio Codice 0517934 + Spina Elastica Codice 0506068 Steel Additional Weight P.N. 0517934 + Elastic Pin P.N. 0506068							
	Massello in Piombo Codice 0517935 + Spina Elastica Codice 0506068 Lead Additional Weight P.N. 0517935 + Elastic Pin P.N. 0506068							

Velocità Limite
Speed Limit



MOTOR DRIVE

CARDAN SHAFT

SIDE WALL

ROTARY EXCITER

SIDE WALL

ROTARY INCLINED SCREEN



The Italvibras production range



MVSI

The most extensive range of industrial electric vibrators on the market. Approved for potentially explosive dust atmospheres (ATEX, IECEx, GOST). Range from 0 to 300 kN.



MVSI-TS

MVSI industrial electric vibrators with split covers.



MVSI-ACC

MVSI industrial electric vibrators for axial coupling.



MVSI-E

"Ex e" increased safety electric vibrators for potentially explosive atmosphere (ATEX, IECEx, GOST). Range up to 109 kN.



CDX

"Ex d" explosion-proof industrial electric vibrators for operation in potentially explosive atmospheres (UL, CSA, ATEX, IECEx, GOST). Range up to 220 kN.



MVCC

Direct current vibrators (12 or 24 V.) designed for continuous duty on mobile machines. Range from 0 to 15 kN.



MVSS

Electric industrial vibrators in stainless steel AISI 316L for the chemical, petroleum chemistry, food, pharmaceutical processing sectors. Range from 0 to 42 kN.



MICRO

Electric vibrators designed for continuous service in processes where a lower centrifugal force is required. Range from 0 to 640 N.



M3

Electric industrial vibrators with multi-holes mounting feet and minimum dimensions. Range up to 3kN.



ITV-VR

Variable high frequency electric vibrators with fixed or cradle connection for industrial building sector. Range from 0 to 90 kN.



ITVAF

High frequency electric vibrators with fixed or cradle connection for industrial building sector. Range from 0 to 90 kN.



VU

Unidirectional linear motion exciters designed for medium and large size vibrating machines. Range up to 73500 kgmm (453kN).



MTF

Vertical electric vibrators with side flange. Range from 0 to 26 kN.



MTF-E

"Ex e" increased safety vertical electric vibrators with side flange for potentially explosive atmosphere (ATEX, IECEx, GOST).



VB

Vertical electric vibrators with double tapered flange. Range from 0 to 49 kN.



VB-E

"Ex e" increased safety vertical electric vibrators with double tapered flange for potentially explosive atmosphere (ATEX, IECEx, GOST).



MVB

Vertical electric vibrators with side flange and shaft projecting on both sides. Range from 0 to 68 kN.



MVB-FLC

Vertical electric vibrators with central flange and shaft projecting on both sides. Range from 0 to 68 kN.



MVB-E

"Ex e" increased safety vertical electric vibrators with side flange and shaft projecting on both sides, for potentially explosive atmosphere (ATEX, IECEx, GOST).



MVB-E-FLC

"Ex e" increased safety vertical electric vibrators with central flange and shaft projecting on both sides, for potentially explosive atmosphere (ATEX, IECEx, GOST).



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