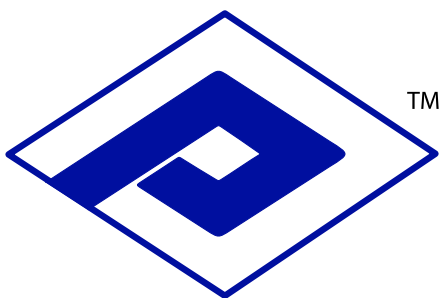


CATALOGO | CATALOGUE 2022



progalvanoTM

...gaining quality!

ROTOBURATTI ED ACCESSORI PER IMPIANTI GALVANICI
PLATING BARRELS AND ACCESSORIES FOR PLATING PLANTS



progalvano™

...e acquisti qualità!



LA NOSTRA STORIA

La storia di Progalvano comincia nel 1967, presentandosi sul mercato quale industria produttrice di prodotti chimici e galvanici. Successivamente, grazie allo sviluppo di nuove conoscenze e tecnologie, Progalvano cominciò a specializzarsi nella realizzazione di rotobarili ed accessori galvanici.

Oggi, dopo aver sviluppato un'espansione su scala globale, la nostra azienda ha raggiunto un'indiscussa leadership e mette a disposizione dei propri clienti una vasta esperienza del settore galvanico.

PRODOTTI E TECNOLOGIA

La nostra capacità di anticipare le esigenze del mercato si concretizza con l'offerta di rotobarili sempre

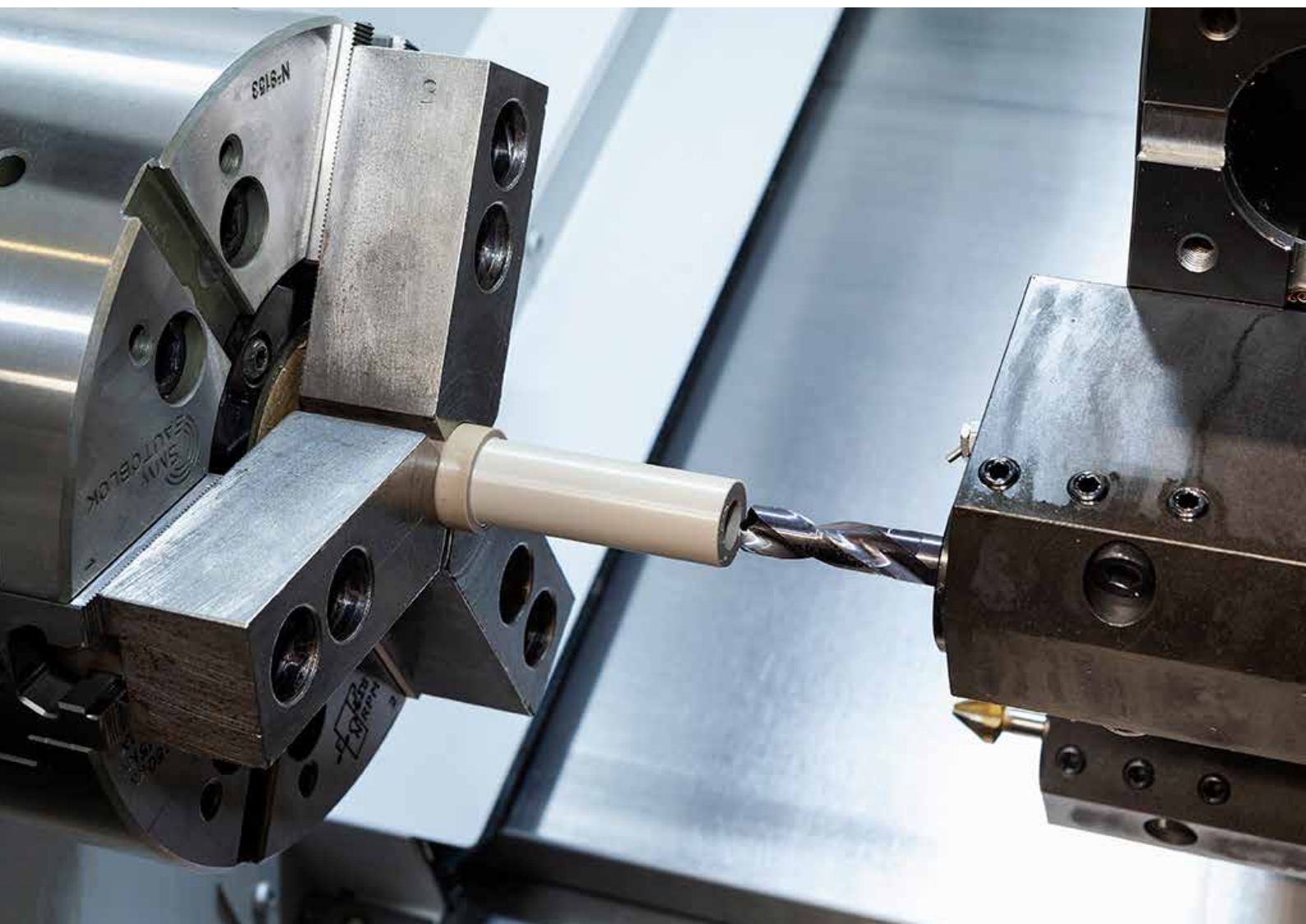
all'avanguardia e con la progettazione di buratti "su misura", per stare al passo con la mutevole domanda della clientela. Progalvano è un'azienda totalmente orientata all'innovazione e alla ricerca continua di processi produttivi efficienti, per poter così offrire sempre soluzioni e materiali di qualità.

IL SERVIZIO

La nostra azienda offre una gamma completa di ricambi originali ed accessori progettati per essere adattati sui buratti Progalvano, così da rispondere all'esigenza di una rapida e completa manutenzione dei barili forniti.

Inoltre, Progalvano continua ad assistere i propri clienti con un servizio post vendita, mettendo a disposizione l'esperienza e la professionalità dei propri tecnici.

...gaining quality!



OUR HISTORY

Progalvano traces its beginning back to 1967, when its production was based on chemical processes and electroplating products. After the development of a personal know-how and technology, Progalvano proceeded to specialize in the manufacture of plating barrels and electroplating equipment. Today, after having achieved a global expansion, Progalvano can offer a vast experience in all aspects of plating barrels manufacture, becoming the World leading producer of plating equipment.

PRODUCTS AND TECHNOLOGY

The capability of Progalvano to anticipate and satisfy the plating supply market's needs becomes reality with the production of state-of-the-art plating barrels and the

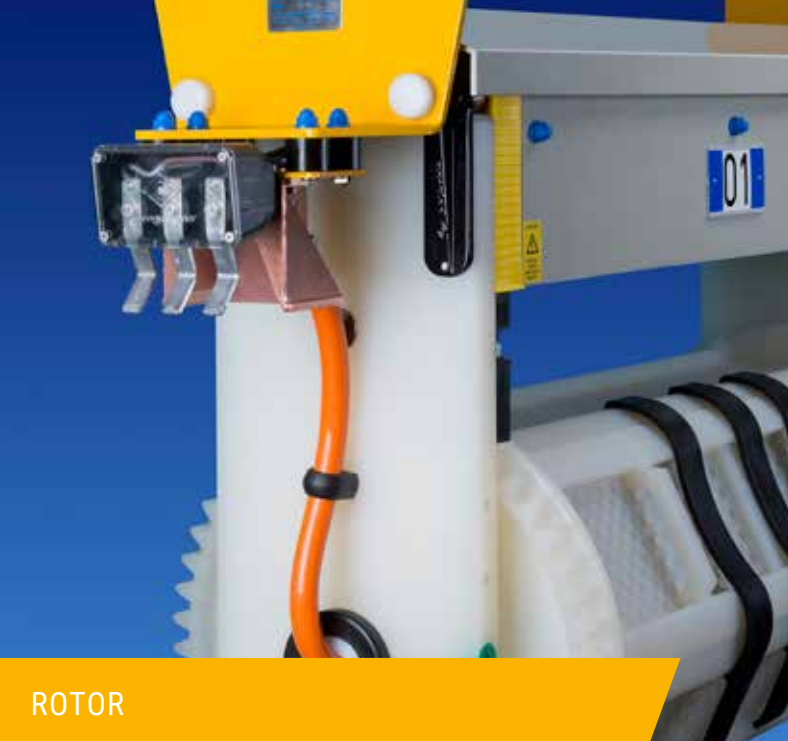
development of custom-made barrels, in order to satisfy the most peculiar demands of each customer.

Progalvano is totally oriented to innovation and to its constant effort of reaching efficient process systems; all this allows us to offer high-quality solutions and materials.

AFTER-SALES ASSISTANCE

Our company offers a complete range of original spare parts and fittings specifically designed to fit Progalvano plating barrels; in order to comply with the need for a prompt and complete maintenance of the barrels supplied.

Moreover, Progalvano always offers its customers a constant after-sales assistance thanks to the experience of its technicians.



ROTOR



ROTOR SPECIALI | SPECIAL BARRELS



SPORTELLLO AUTOMATICO | AUTOMATIC LID



CILINDRI IN PP | PP CYLINDERS



RICAMBI E ACCESSORI | SPARE PARTS & FITTINGS



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ROTOR

ROTOR EXPORT 2000
ROTOR EXPORT 2000 M
ROTOR 2000
TWIN ROTOR BARRELS
EXTERNAL SIDE DRIVE BARRELS

SPECIAL BARRELS

SPECIAL BARRELS
CLOVER BARREL
ROTOR EXPORT WITH CYLINDERS
STAINLESS STEEL BARREL
DEVICE FOR LIQUID INJECTION THROUGH THE HUB OR FROM THE TROLLEY
NEW PM SYSTEM
BARRELS WITH SS REINFORCEMENT
SPECIAL CATHODIC CONTACTS
CATHODE CONTACT "OPEN" WITH DISC
WATERTIGHT DISC CATHODE CONTACT
CATHODE CONTACT "OPEN" WITH BARS
WATERTIGHT CATHODE CONTACT WITH BARS
SINGLE CATHODE CONTACT FOR PLASTIC

AUTOMATIC LID

AUTOMATIC LID WITH PVDF CLIPS
ROBOT AND BARRELS WITH SELF-LOCKING LID

PP CYLINDERS

CYLINDERS
PERFORATIONS
LOCKS
PAIR OF LIDS

SPARE PARTS AND FITTINGS

DANGLER CATHODE CONTACTS
GEAR MOTORS AND PINIONS
INTERMEDIATE GEAR UNIT
HUBS
PICK-UP CONTACTS
PROTECTIVE HOODS AND UPRIGHTS
WEDGES FOR TANK
BELL SUPPORTS
SCREWS
THREE-PHASE TRANSFORMERS

MINIROTOR

MINIROTOR
PORTABLE MINIROTOR DC 12V
MINIROTOR 2000
MINIROTOR EXPORT 2000
MINIROTOR WITH BARS MOD. 135-220 FOR METAL
MINIROTOR WITH BARS MOD. 135-220 FOR PLASTIC
CYLINDERS IN PP WITH STANDARD CIRCULAR PERFORATION
DOORS AND PARTITION WALLS
CYLINDERS IN PP WITH MESH AND SLOT PERFORATION
SPECIAL MINIROTOR
SPARE PARTS
DANGLER CATHODE CONTACTS
LOW VOLTAGE PICK-UP CONTACTS

IL MEGLIO CHE PROGALVANO
PUÒ OFFRIRE IN TERMINI DI
TECNOLOGIA, AFFIDABILITÀ
EFFICIENZA, QUALITÀ E PREZZO.
LA GAMMA DEI ROTOR VANTA
PIÙ DI 150 MODELLI E PUÒ
ESSERE DECLINATA NELLE
VERSIONE A BARILE SINGOLO O
DOPPIO, CON MOTORE A BORDO
O TRASMISSIONE ESTERNA E
CON CARICHI FINO A 500 KG.

rotor

*THE BEST OF PROGALVANO
OFFER IN TERMS OF
TECHNOLOGY, RELIABILITY,
EFFICIENCY, QUALITY,
AND COST EFFECTIVENESS.
THIS RANGE CONSISTS OF OVER
150 MODELS, CONFIGURABLE IN
EITHER SINGLE OR TWIN BARREL
VERSION WITH ON-BOARD
MOTORS OR EXTERNAL DRIVE
TRANSMISSION, AND A LOAD
CAPACITY OF UP TO 500 KG.*

Rotor Export 2000

VERSATILITÀ E FUNZIONALITÀ

L'Export 2000 rappresenta il Rotor Progallvano di riferimento per quanto riguarda i trattamenti di Nichelatura e Zincatura. Questo Rotor viene progettato e realizzato con specifiche avanzate che lo rendono il miglior prodotto sul mercato in termini di prestazioni affidabilità, qualità e facilità di manutenzione. La sua solidità e la struttura compatta lo rendono un prodotto estremamente versatile e funzionale, che ben si adatta ai diversi processi di molti impianti.

Principali caratteristiche:

- Struttura non a bagno in acciaio inossidabile AISI 304 verniciato
- Struttura a bagno in PP e acciaio inossidabile AISI 316
- Configurabile in più di 30 diverse versioni
- Struttura completamente modulare
- Contatto catodico vasca-buratto del modello Cuneo-Campana
- Completamente personalizzabile
- Disponibile in versione con sportello per apertura automatica
- Massima facilità di manutenzione e affidabilità

VERSATILITY AND FUNCTIONALITY

The Export 2000 is the reference barrel for nickel plating and zinc plating. This rotor is designed and manufactured to advanced specifications that make it the best on the market in terms of reliability, performance, quality, and ease of maintenance. It has a sturdy and compact structure that makes it extremely versatile, functional and suitable for a variety of different processes used in many plants.

Technical features:

- Non-dipped portion of the frame = stainless steel AISI 304 with hepoxidic paint
- Dipped portion of the frame = stainless steel AISI 316 and PP
- More than 30 different versions
- Modular structure
- Tank to barrel cathodic contact (wedge-bell type)
- Fully customisable
- Available with automatic opening door
- Maximum reliability and ease of maintenance

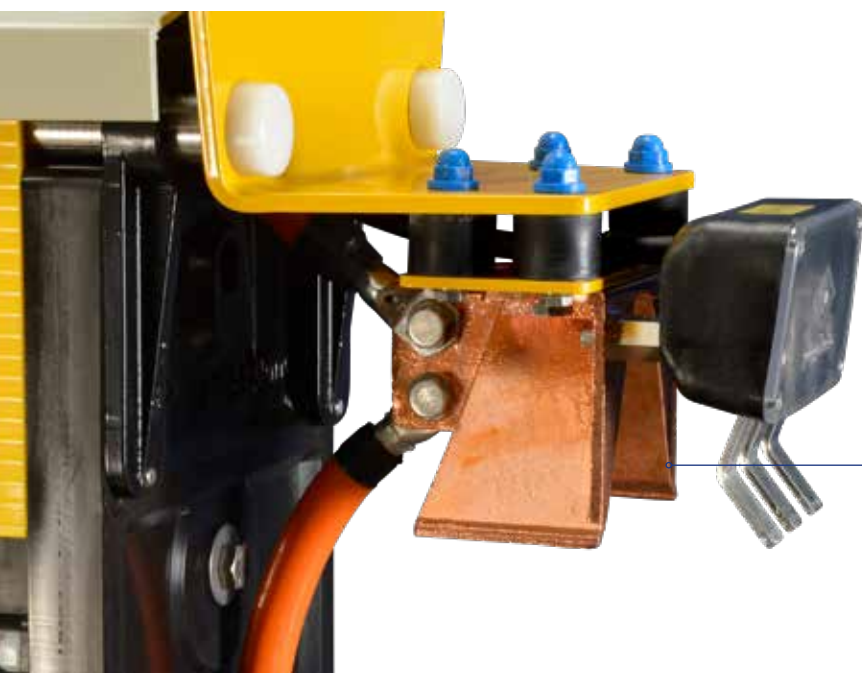


ROTOR EXPORT 2000

GAMMA | RANGE



CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	BATACCHI DANGLERS	POTENZA MOTORI MOTOR POWER	PESO WEIGHT
n.		mm	dm ³	kg	mm ²	kW	kg
RX20526	500/260	12	27	40	50	SEW 0,18	92
RX20726	700/260	12	39	50	50	SEW 0,18	98
RX21026	1000/260	12	56	60	50	SEW 0,18	107
RX20732	700/320	12	55	70	120	SEW 0,18	105
RX21032	1000/320	12	81	80	120	SEW 0,18	117
RX20836	800/360	12	79	80	120	SEW 0,37	116
RX21036	1000/360	12	101	100	120	SEW 0,37	123
RX21236	1200/360	12	122	100	120	SEW 0,37	132
RX20836-7	800/360-7	12	111	90	120	SEW 0,37	120
RX21036-7	1000/360-7	12	141	110	120	SEW 0,37	128
RX21236-7	1200/360-7	12	171	110	120	SEW 0,37	135
RX21042	1000/420	12	140	140	120	SEW 0,37	136
RX21242	1200/420	12	170	140	120	SEW 0,37	143
RX21042-7	1000/420-7	12	195	150	120	SEW 0,37	146
RX21242-7	1200/420-7	12	237	150	120	SEW 0,37	153

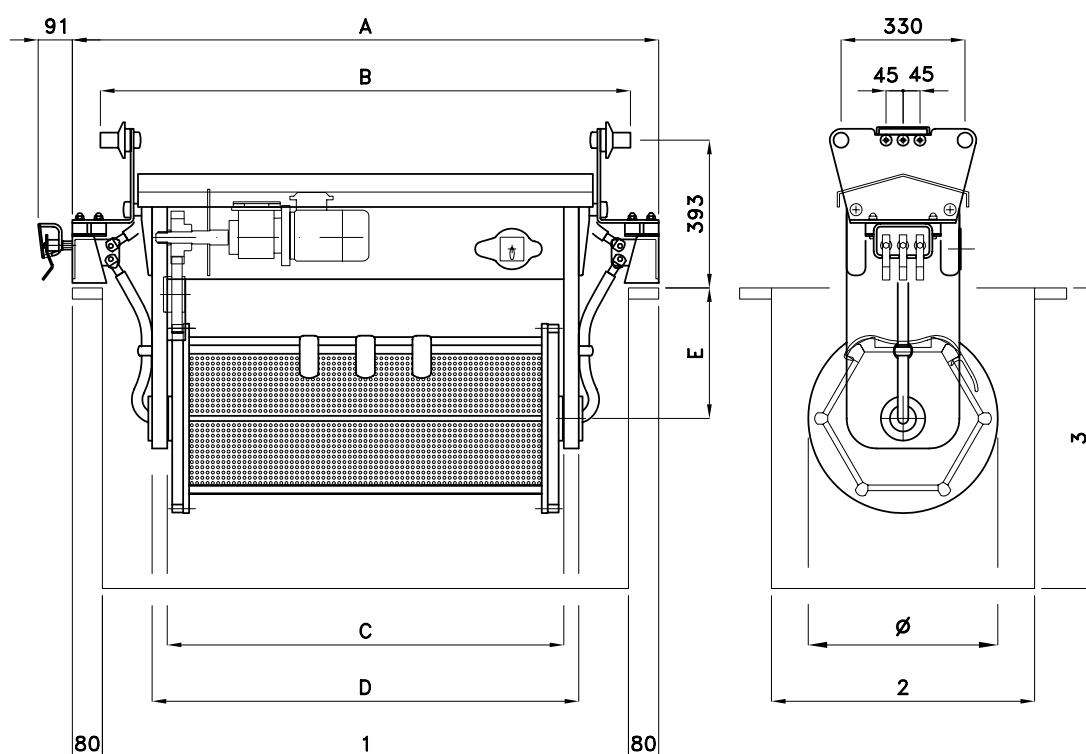


Supporti a CUNEO + CAMPANA.
Per una maggior precisione di
posizionamento del rotore e un
ottimo contatto catodico.

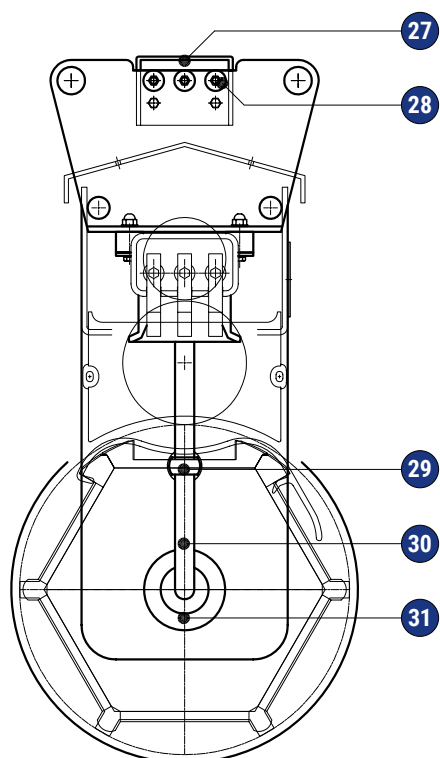
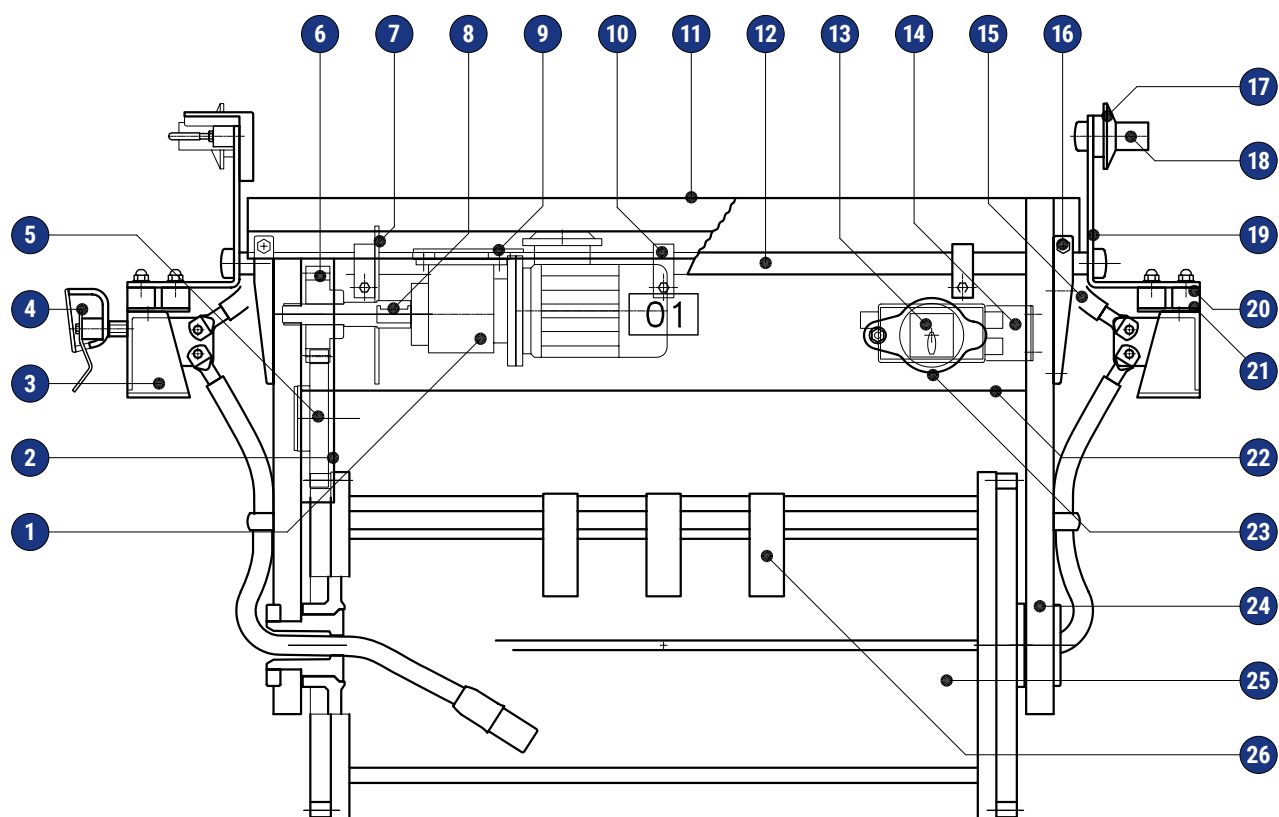
WEDGE + BELL supports.
For a precise positioning of the barrel
and an ideal cathodic contact.

CARATTERISTICHE TECNICHE | TECHNICAL DETAILS

CODICE CODE	MODELLO MODEL	A	B	C	D	E	Ø	VASCHE TANKS 1	VASCHE TANKS 2	VASCHE TANKS 3
n.		mm						mm		
RX20526	500/260	1010	860	555	615	273,5	340	850	600	700
RX20726	700/260	1210	1060	755	815	273,5	340	1050	600	700
RX21026	1000/260	1510	1360	1055	1115	273,5	340	1350	600	700
RX20732	700/320	1260	1110	755	835	321,5	441	1100	700	800
RX21032	1000/320	1560	1410	1055	1135	321,5	441	1400	700	800
RX20836	800/360	1360	1210	855	935	346,5	504	1200	700	800
RX21036	1000/360	1560	1410	1055	1135	346,5	504	1400	700	800
RX21236	1200/360	1760	1610	1255	1335	346,5	504	1600	700	800
RX20836-7	800/360-7	1360	1210	855	935	346,5	543	1200	800	1000
RX21036-7	1000/360-7	1560	1410	1055	1135	346,5	543	1400	800	1000
RX21236-7	1200/360-7	1760	1610	1255	1335	346,5	543	1600	800	1000
RX21042	1000/420	1560	1410	1055	1135	386,5	583	1400	800	1000
RX21242	1200/420	1760	1610	1255	1335	386,5	583	1600	800	1000
RX21042-7	1000/420-7	1560	1410	1055	1135	419,5	650	1400	900	1000
RX21242-7	1200/420-7	1760	1610	1255	1335	419,5	650	1600	900	1000



ROTOR EXPORT 2000



RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
1	MOTORIDUTTORE <i>GEAR MOTOR</i>	PAG. 78 
2	CARTER PROTEZIONE INTERMEDIO <i>PROTECTION FOR INTERMEDIATE GEAR</i>	SURB2-52
3	CAMPANA <i>BELL SUPPORT</i>	PAG. 85 
4	MORSETTIERA MOD. EXPORT <i>PICK-UP CONTACT FOR ROTATION</i>	URB-71
5	INGRANAGGIO INTERMEDIO <i>INTERMEDIATE GEAR</i>	PAG. 79 
6	PIGNONE <i>PINION</i>	PAG. 78 
7	PROTEZIONE MOTORE <i>MOTOR PROTECTION</i>	LURB2-30A
8	ALBERO SUPPORTO PIGNONE <i>PINION SHAFT</i>	LURB2-08
9	SEDIA MOTORE COMPLETA <i>MOTOR SUPPORT PLATE</i>	URB2-43
10	MORSETTO <i>MOTOR PLATE HOLDFAST</i>	SURB-41
11	CARTER SUPERIORE <i>UPPER PROTECTIVE HOOD</i>	PAG. 82 
12	DISTANZIALE TIRANTE INOX MOD. 700 <i>STAINLESS STEEL ROD MOD. 700</i>	LURB2-1007
12	DISTANZIALE TIRANTE INOX MOD. 800 <i>STAINLESS STEEL ROD MOD. 800</i>	LURB2-1008
12	DISTANZIALE TIRANTE INOX MOD. 1000 <i>STAINLESS STEEL ROD MOD. 1000</i>	LORB2-1010
12	DISTANZIALE TIRANTE INOX MOD. 1200 <i>STAINLESS STEEL ROD MOD. 1200</i>	LORB2-1012
13	SALVAMOTORE <i>MOTOR PROTECTOR</i>	CR00100
14	SQUADRETTA SUPPORTO SALVAMOTORE <i>SUPPORT PLATE FOR MOTOR PROTECTOR</i>	LURB-04
15	CAVO PONTE MOD. 800 <i>BRIDGE CABLE MOD. 800</i>	URB-11A08
15	CAVO PONTE MOD. 1000 <i>BRIDGE CABLE MOD. 1000</i>	URB-11A10
15	CAVO PONTE MOD. 1200 <i>BRIDGE CABLE MOD. 1200</i>	URB-11A12
16	SUPPORTO SPALLA <i>UPRIGHT SUPPORT PLATE</i>	LURB2-02B
17	DISTANZIALE DI CENTRAGGIO <i>CENTERING SPACER</i>	SURB-2340
18	PERNO DI SOLLEVAMENTO <i>LIFTING PIN</i>	LURB2-13
19	STAFFE DI SOLLEVAMENTO (COPPIA) <i>LIFTING BRACKETS (A PAIR)</i>	LURB2-02A
20	ANTIVIBRANTE 40x30 <i>ANTIVIBRATION 40x30</i>	SURB-24B
21	PIASTRA SUPPORTO CAMPANA <i>BELL SUPPORT PLATE</i>	LURB-03
22	CARTER INFERIORE <i>LOWER PROTECTIVE HOOD</i>	PAG. 82 
23	PROTEZIONE SALVAMOTORE <i>COVER FOR MOTOR PROTECTOR</i>	SURB2-53
24	SPALLA <i>UPRIGHT</i>	SR2000-10
25	ESAGONO <i>CYLINDER</i>	PAG. 66 
26	CHIUSURA PVDF <i>PVDF CLOSING CLIP</i>	PAG. 70 
27	PROTEZIONE MORSETTIERA AEREA <i>PROTECTION FOR HOIST PICK-UP CONTACT</i>	SURB2-54
28	CONTATTO FLESSIBILE X M. AEREA <i>FLEXIBLE CONTACT FOR HOIST PICK-UP</i>	URB-70
29	FERMABATACCHIO RAPIDO <i>FAST DANGLER STOP</i>	SURB-40
30	BATACCHIO <i>DANGLER</i>	PAG. 76 
31	MOZZO CON GHIERA <i>THREADED HUB</i>	PAG. 80 

Rotor Export 2000 M

CARICHI GRAVOSI!

La serie "M" è la famiglia di ROTOR destinati ad un uso con carichi pesanti. Solitamente abbinati a cilindri di grossa volumetria, questi rotoburatti vengono utilizzati per processi di fosfatazione, Nickel chimico, sgrassatura ecc. dove sono le portate ad aumentare la produttività.

Principali caratteristiche:

- Fino a 350 kg di carica
- Struttura completamente modulare e rinforzata con telaio in acciaio inox a tubolari saldati
- Contatto catodico vasca-buratto del modello Cuneo-Campana

HEAVY LOADS!

The "M" barrel range is designed for being used with heavy loads. These barrels are normally combined with large-capacity cylinders and are specific for phosphating processes, electroless nickel plating, degreasing, where their greater carrying capacity increases productivity.

Technical features:

- Up to 350 kg of loading
- Modular structure reinforced with welded ribbing on stainless steel frame
- Tank to barrel cathodic contact (wedge-bell type)



ROTOR EXPORT 2000 M

GAMMA | RANGE



CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	BATACCHI DANGLERS	POTENZA MOTORI MOTOR POWER	PESO WEIGHT
n.		mm	dm ³	kg	mm ²	kW	kg
RXM1042	1000/420	15	140	220	180	SEW 0,37	140
RXM1242	1200/420	15	170	220	180	SEW 0,37	148
RXM1542	1500/420	15	215	200	180	SEW 0,37	160
RXM1042-7	1000/420-7	15	195	250	180	SEW 0,37	150
RXM1242-7	1200/420-7	15	237	250	180	SEW 0,37	158
RXM1542-7	1500/420-7	15	300	230	180	SEW 0,37	170
RXM1060	1000/600	15 - 20	295	400	300	SEW 0,55	216
RXM1260	1200/600	15 - 20	358	350	300	SEW 0,55	228
RXM1560	1500/600	15 - 20	451	300	300	SEW 0,55	245
RXM1060-7	1000/600-7	15 - 20	310	450	300	SEW 0,55	225
RXM1260-7	1200/600-7	15 - 20	375	400	300	SEW 0,55	237
RXM1560-7	1500/600-7	15 - 20	473	350	300	SEW 0,55	255

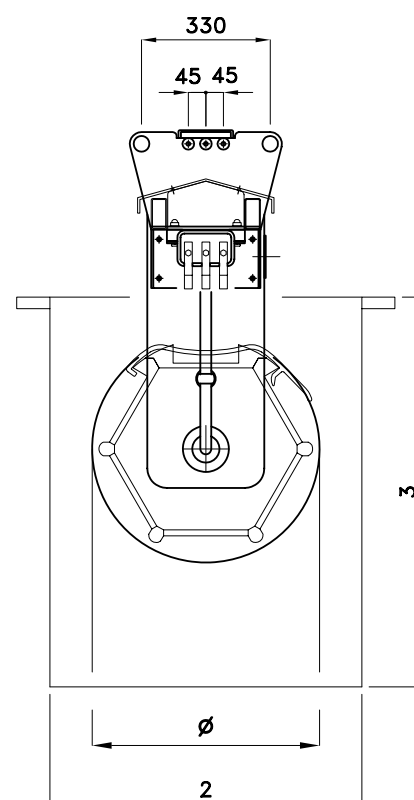
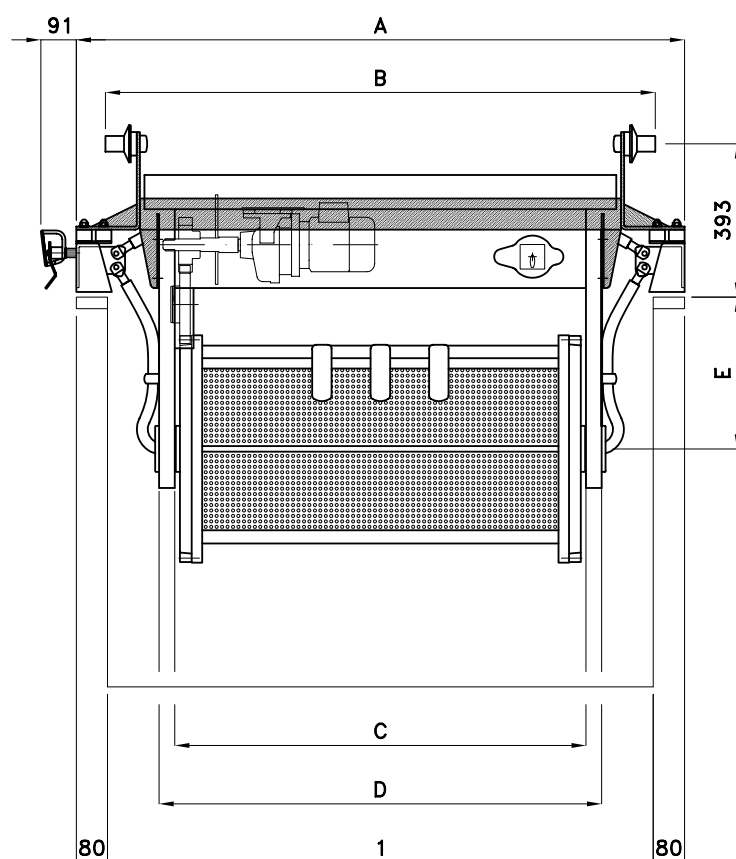
Struttura in INOX rinforzata
per carichi gravosi.

*Reinforced frame in stainless steel
for heavy loads.*

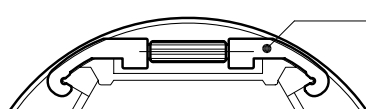
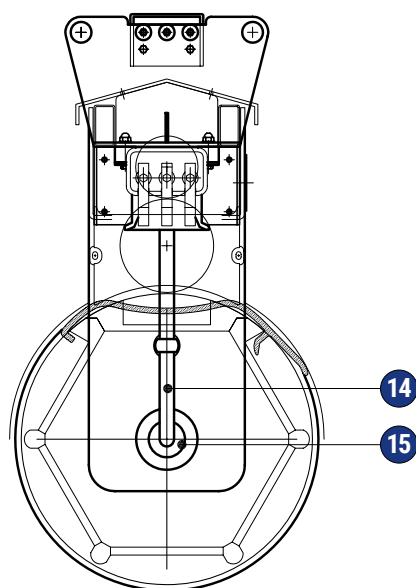
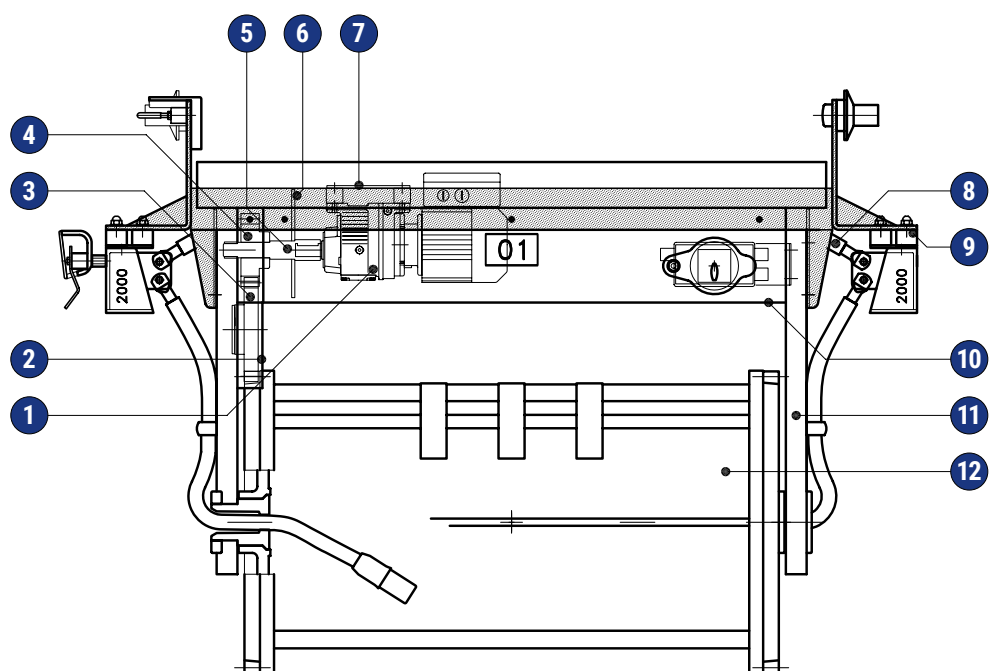


CARATTERISTICHE TECNICHE | TECHNICAL DETAILS

CODICE CODE	MODELLO MODEL	A	B	C	D	E	Ø	VASCHE TANKS 1	VASCHE TANKS 2	VASCHE TANKS 3
n.		mm						mm		
RXM1042	1000/420	1560	1410	1055	1135	386,5	583	1400	800	1000
RXM1242	1200/420	1760	1610	1255	1335	386,5	583	1600	800	1000
RXM1542	1500/420	2060	1910	1555	1635	386,5	583	1900	800	1000
RXM1042-7	1000/420-7	1560	1410	1055	1135	416,5	650	1400	900	1000
RXM1242-7	1200/420-7	1760	1610	1255	1335	416,5	650	1600	900	1000
RXM1542-7	1500/420-7	2060	1910	1555	1635	416,5	650	1900	900	1000
RXM1060	1000/600	1560	1410	1055	1135	590,5	840	1400	1200	1400
RXM1260	1200/600	1760	1610	1255	1335	590,5	840	1600	1200	1400
RXM1560	1500/600	2060	1910	1555	1635	590,5	840	1900	1200	1400
RXM1060-7	1000/600-7	1560	1410	1055	1135	590,5	840	1400	1200	1400
RXM1260-7	1200/600-7	1760	1610	1255	1335	590,5	840	1600	1200	1400
RXM1560-7	1500/600-7	2060	1910	1555	1635	590,5	840	1900	1200	1400

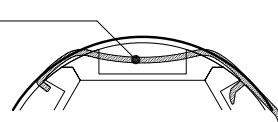


ROTOR EXPORT 2000 M



Mod. 600/600-7

13



Mod. 420/420-7

RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
1	MOTORIDUTTORE SEW R37 <i>GEAR MOTOR SEW R37</i>	MR71-W100
1	MOTORIDUTTORE SEW R47 <i>GEAR MOTOR SEW 47</i>	MR80-W100
2	CARTER PROTEZIONE INTERMEDIO Z18 M10 <i>PROTECTION FOR INTERMEDIATE GEAR Z18 M10</i>	LURB2-52A
2	CARTER PROTEZIONE INTERMEDIO Z25 M10 <i>PROTECTION FOR INTERMEDIATE GEAR Z25 M10</i>	LURB2M-52
3	INGRANAGGIO INTERMEDIO COMPLETO Z18 M10 IN PVDF <i>PVDF INTERMEDIATE GEAR UNIT Z18 M10</i>	URB2V90D
3	INGRANAGGIO INTERMEDIO COMPLETO Z25 M10 IN PVDF <i>PVDF INTERMEDIATE GEAR UNIT Z25 M10</i>	URB2MP91
4	PIGNONE Z12 M10 IN PE (MOD. 420) <i>PE PINION GEAR Z12 M10 (MOD. 420)</i>	PAG. 78 
4	PIGNONE Z12 M10 IN PVDF (MOD. 600) <i>PVDF PINION GEAR Z12 M10 (MOD. 600)</i>	PAG. 78 
5	ALBERO SUPPORTO PIGNONE SEW R37 <i>PINION SHAFT SEW R37</i>	LURB2-08
5	ALBERO SUPPORTO PIGNONE SEW R47 <i>PINION SHAFT SEW R47</i>	LURB2M-08
6	PROTEZIONE <i>MOTOR PROTECTION</i>	LURB2M-30A
7	SEDIA MOTORE COMPLETA SEW R37 <i>MOTOR SUPPORT PLATE SEW R37</i>	LURB2XM-01BG
7	SEDIA MOTORE COMPLETA SEW R47 <i>MOTOR SUPPORT PLATE SEW R47</i>	LURB2XM-01AG
8	CAVO PONTE <i>BRIDGE CABLE</i>	PAG. 15 
9	ANTIVIBRANTE 40×30 (MOD. 420) <i>ANTIVIBRATION 40×30 (MOD. 420)</i>	SURB-24B
10	CARTER INFERIORE <i>LOWER PROTECTIVE HOOD</i>	LURB2-5115
11	SPALLA MOD. 420 <i>UPRIGHT MOD. 420</i>	SR2000-10
11	SPALLA MOD. 600 (ARMATA INOX) <i>UPRIGHT MOD. 600 (WITH S.S.)</i>	LR2000-10
12	ESAGONO <i>CYLINDER</i>	PAG. 66 
13	CHIUSURA A MOLLA IN PVDF (MOD. 420) <i>PVDF CLIP (MOD. 420)</i>	PAG. 70 
13	CHIUSURA A BRACCI CONTRAPPOSTI (MOD. 600) <i>CLOSING DEVICE WITH "OPPOSING ARMS" (MOD. 600)</i>	PAG. 70 
14	BATACCHIO 120 mm ² (MOD. 420) <i>DANGLER 120SQMM (MOD. 420)</i>	PAG. 76 
14	BATACCHIO 300 mm ² (MOD. 600) <i>DANGLER 300 QMM (MOD. 600)</i>	PAG. 76 
15	MOZZO CON GHIERA D.N. 90 (MOD. 420) <i>HUB D.N. 90 (MOD. 420)</i>	URB2-20B
15	MOZZO CON GHIERA D.N. 120 (MOD. 600) <i>HUB D.N. 120 (MOD. 600)</i>	URB2M-20D

Rotor 2000

VERSATILITÀ E SEMPLICITÀ

Il Rotor 2000 nasce per l'utilizzo in moderne linee automatiche, ma la sua versatilità lo rende facilmente adattabile ad impianti automatici e semiautomatici. Questo buratto offre performance d'avanguardia per i trattamenti di Nichelatura e Zincatura. La sua caratteristica principale che lo distingue dal modello EXPORT sta nel contatto catodico a bordo vasca che prevede l'utilizzo di classici perni tondi in rame al posto del nostro contatto standard a campana.

Principali caratteristiche:

- Struttura non a bagno in acciaio inossidabile AISI 304 verniciato
- Struttura a bagno in PP e acciaio inossidabile AISI 316
- Configurabile in più di 30 diverse versioni
- Struttura completamente modulare
- Contatto catodico vasca-buratto del modello V-Perno
- Completamente personalizzabile
- Disponibile in versione con sportello per apertura automatica
- Massima facilità di manutenzione e affidabilità

VERSATILITY AND SIMPLICITY

The ROTOR 2000 is designed for today's automatically operated lines, but thanks to its versatility it is also fit for use in both automatic and semi-automatic plants. This type of rotating barrel delivers advanced performance for nickel plating and zinc plating. The main difference from the EXPORT model is represented by the cathodic contact on top of the tank, which uses traditional cylindrical copper contact pins rather than our standard "bell" contacts.

Technical features:

- Non-dipped portion of the frame = stainless steel AISI 304 with hepoxidic paint
- Dipped portion of the frame = stainless steel AISI 316 and PP
- More than 30 different versions
- Modular structure
- Tank to barrel cathodic contact (V block - pin type)
- Fully customisable
- Available with automatic opening door
- Maximum reliability and ease of maintenance



ROTOR 2000

GAMMA | RANGE



CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	BATACCHI DANGLERS	POTENZA MOTORI MOTOR POWER	PESO WEIGHT
n.		mm	dm ³	kg	mm ²	kW	kg
R20526	500/260	12	27	40	50	SEW 0,18	86
R20726	700/260	12	39	50	50	SEW 0,18	92
R21026	1000/260	12	56	60	50	SEW 0,18	101
R20732	700/320	12	55	70	120	SEW 0,18	99
R21032	1000/320	12	81	80	120	SEW 0,18	111
R20836	800/360	12	79	80	120	SEW 0,37	110
R21036	1000/360	12	101	100	120	SEW 0,37	117
R21236	1200/360	12	122	100	120	SEW 0,37	126
R20836-7	800/360-7	12	111	90	120	SEW 0,37	114
R21036-7	1000/360-7	12	141	110	120	SEW 0,37	122
R21236-7	1200/360-7	12	171	110	120	SEW 0,37	129
R21042	1000/420	12	140	140	120	SEW 0,37	130
R21242	1200/420	12	170	140	120	SEW 0,37	137
R21042-7	1000/420-7	12	195	150	120	SEW 0,37	140
R21242-7	1200/420-7	12	237	150	120	SEW 0,37	147

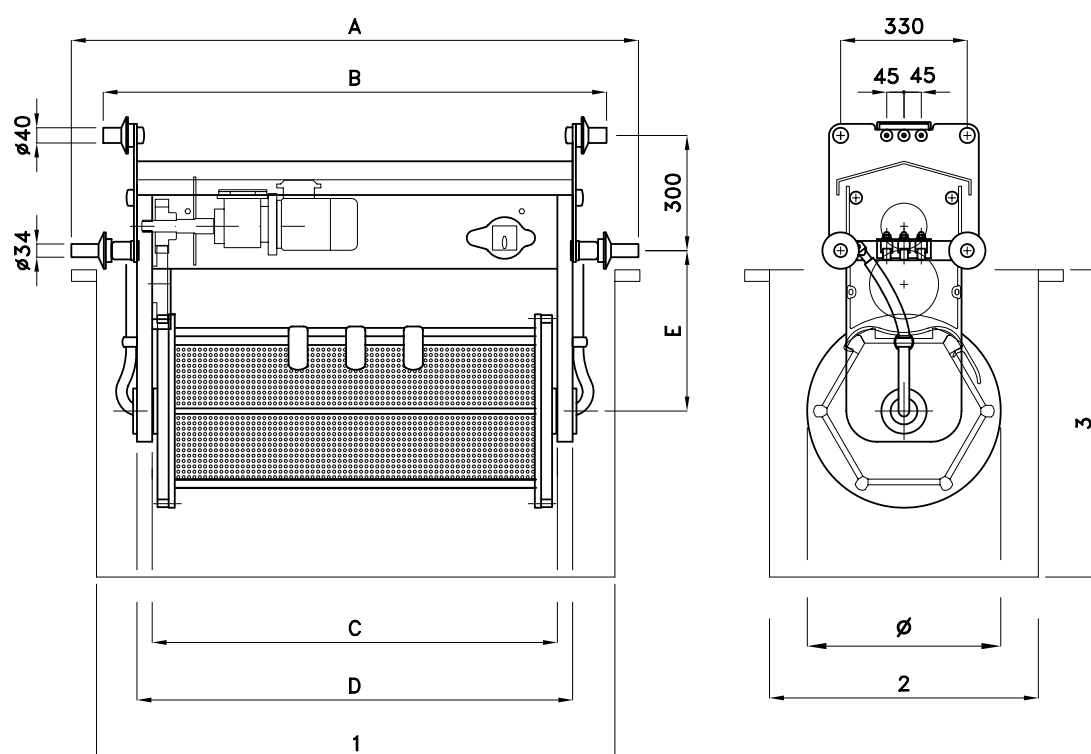


Supporti di contatto a perni in ottone.

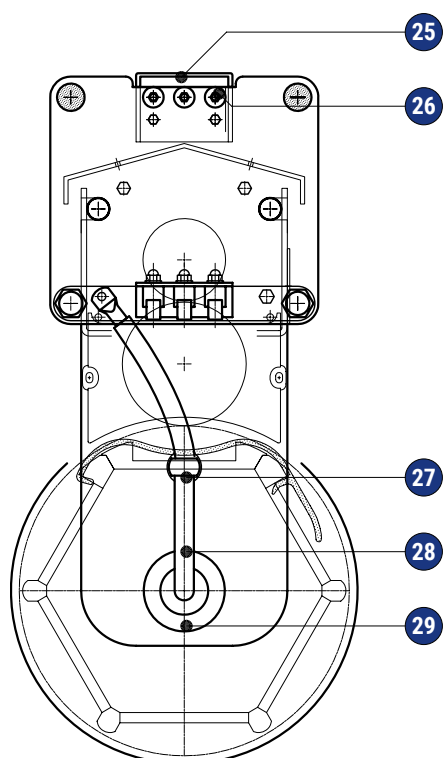
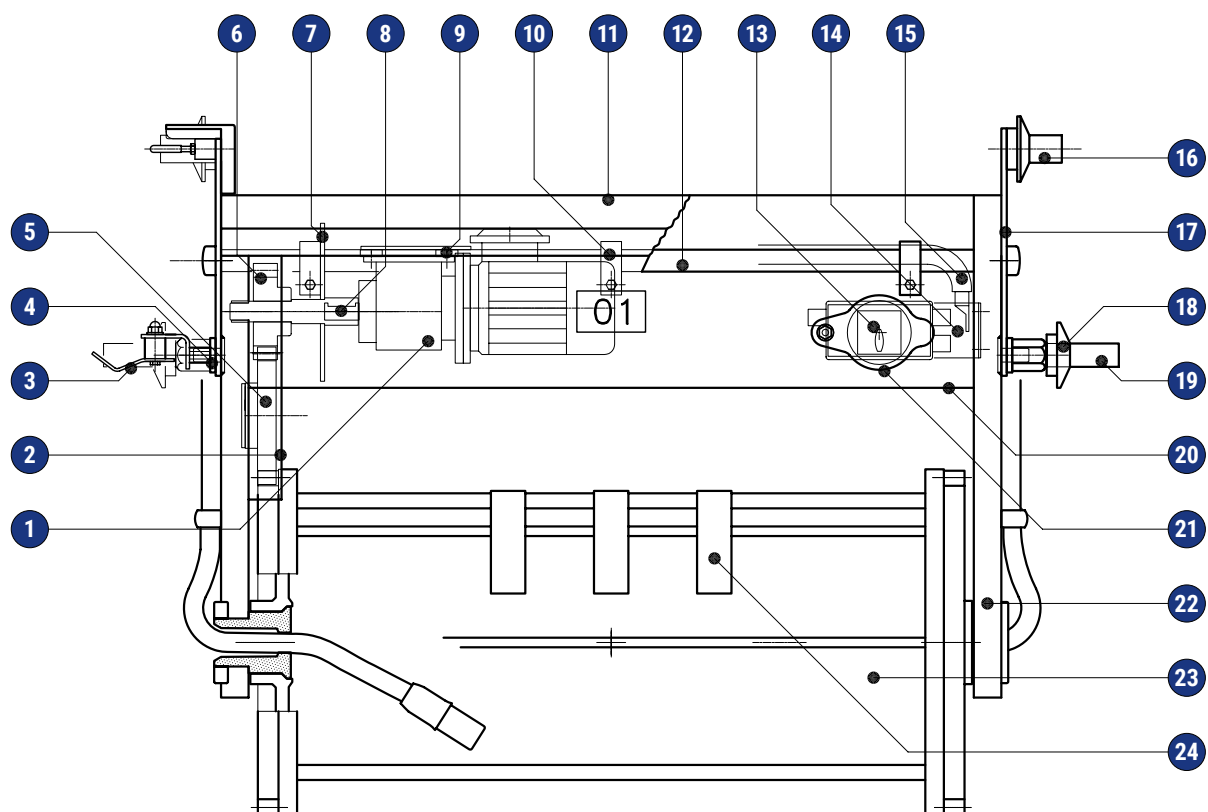
Brass pins as supports for contact.

CARATTERISTICHE TECNICHE | TECHNICAL DETAILS

CODICE CODE	MODELLO MODEL	A	B	C	D	E	Ø	VASCHE TANKS 1	VASCHE TANKS 2	VASCHE TANKS 3
n.		mm						mm		
R20526	500/260	957	791	555	615	344	340	830	600	700
R20726	700/260	1157	991	755	815	344	340	1030	600	700
R21026	1000/260	1457	1291	1055	1115	344	340	1330	600	700
R20732	700/320	1177	1011	755	835	392	441	1050	700	800
R21032	1000/320	1477	1311	1055	1135	392	441	1350	700	800
R20836	800/360	1277	1111	855	935	417	504	1150	700	800
R21036	1000/360	1477	1311	1055	1135	417	504	1350	700	800
R21236	1200/360	1677	1511	1255	1335	417	504	1550	700	800
R20836-7	800/360-7	1277	1111	855	935	417	543	1150	800	1000
R21036-7	1000/360-7	1477	1311	1055	1135	417	543	1350	800	1000
R21236-7	1200/360-7	1677	1511	1255	1335	417	543	1550	800	1000
R21042	1000/420	1477	1311	1055	1135	457	583	1350	800	1000
R21242	1200/420	1677	1511	1255	1335	457	583	1550	800	1000
R21042-7	1000/420-7	1477	1311	1055	1135	487	650	1350	900	1000
R21242-7	1200/420-7	1677	1511	1255	1335	487	650	1550	900	1000



ROTOR 2000



RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
1	MOTORIDUTTORE <i>GEAR MOTOR</i>	PAG. 78 
2	CARTER PROTEZIONE INTERMEDIO <i>PROTECTION FOR INTERMEDIATE GEAR</i>	SURB-52
3	MORSETTIERA A CUCCHIAINO <i>ROTATION CONTACT</i>	URB-74
4	BARRA DI COLLEGAMENTO <i>CONNECTION BAR</i>	LURB2-15B
5	INGRANAGGIO INTERMEDIO COMPLETO <i>COMPLETE INTERMEDIATE GEAR</i>	PAG. 79 
6	PIGNONE <i>PINION</i>	PAG. 78 
7	PROTEZIONE MOTORE <i>MOTOR PROTECTION</i>	LURB2-30A
8	ALBERO SUPPORTO PIGNONE <i>PINION SHAFT</i>	LURB2-08
9	SEDIA MOTORE COMPLETA <i>MOTOR SUPPORT PLATE</i>	URB2-43
10	MORSETTO <i>MOTOR PLATE HOLDFAST</i>	SURB-41
11	CARTER SUPERIORE <i>UPPER PROTECTIVE HOOD</i>	PAG. 82 
12	DISTANZIALE - TIRANTE INOX MOD. 700 <i>STAINLESS STEEL ROD MOD. 700</i>	LURB2-1007
12	DISTANZIALE - TIRANTE INOX MOD. 800 <i>STAINLESS STEEL ROD MOD. 800</i>	LURB2-1008
12	DISTANZIALE - TIRANTE INOX MOD. 1000 <i>STAINLESS STEEL ROD MOD. 1000</i>	LURB2-1010
12	DISTANZIALE - TIRANTE INOX MOD. 1200 <i>STAINLESS STEEL ROD MOD. 1200</i>	LURB2-1012
13	SALVAMOTORE <i>MOTOR PROTECTOR</i>	CR00100
14	SQUADRETTA SUPPORTO SALVAMOTORE <i>SUPPORT PLATE FOR MOTOR PROTECTOR</i>	LURB-04
15	CAVO PONTE MOD. 800 <i>BRIDGE CABLE MOD. 800</i>	URB-11A08
15	CAVO PONTE MOD. 1000 <i>BRIDGE CABLE MOD. 1000</i>	URB-11A10
15	CAVO PONTE MOD. 1200 <i>BRIDGE CABLE MOD. 1200</i>	URB-11A12
16	PERNO DI SOLLEVAMENTO <i>LIFTING PIN</i>	LURB2-13
17	STAFFE DI SOLLEVAMENTO (COPPIA) <i>LIFTING BRACKETS (A PAIR)</i>	LURB2-02C
18	DISTANZIALE DI CENTRAGGIO DIA. 40 <i>CENTERING SPACER DIA. 40</i>	SURB-2340
19	PERNO DI CONTATTO <i>CONTACT PIN</i>	LURB2-14A
20	CARTER INFERIORE <i>LOWER PROTECTIVE HOOD</i>	PAG. 82 
21	PROTEZIONE SALVAMOTORE <i>COVER FOR MOTOR PROTECTOR</i>	SURB2-53
22	SPALLA <i>UPRIGHT</i>	SR2000-10
23	ESAGONO <i>CYLINDER</i>	PAG. 66 
24	CHIUSURA PVDF <i>PVDF CLOSING CLIP</i>	PAG. 70 
25	PROTEZIONE MORSETTIERA AEREA <i>PROTECTION FOR HOIST PICK-UP CONTACT</i>	SURB2-54
26	CONTATTO FLESSIBILE X M. AEREA <i>FLEXIBLE CONTACT FOR HOIST PICK-UP</i>	URB-70
27	FERMABATACCHIO RAPIDO <i>FAST DANGLER STOP</i>	SURB-40
28	BATACCHIO <i>DANGLER</i>	PAG. 76 
29	MOZZO CON GHIERA <i>THREADED HUB</i>	PAG. 80 

Rotor gemelli

Twin rotor barrel

RADDOPPIA LA PRODUTTIVITÀ

Scegliere dei Rotor Gemelli Progalvano significa aumentare al massimo i volumi di materiali trattati in un tempo contenuto. L'introduzione di questi Rotor in una linea galvanica garantisce allo stesso tempo un elevato standard di qualità, raddoppiando la produzione. Da ultimo, i Rotor Gemelli possono essere impiegati facilmente anche in impianti misti (buratto e telaio).

Principali caratteristiche:

- Fino a 500 kg di carica
- Struttura non a bagno in acciaio inossidabile AISI 304 verniciato
- Struttura a bagno in PP e acciaio inossidabile AISI 316
- Struttura completamente modulare e rinforzata con telaio in acciaio inox a tubolari saldati
- Contatto catodico vasca-buratto del modello Cuneo-Campana
- Completamente personalizzabile
- Disponibile in versione con sportello per apertura automatica
- Massima facilità di manutenzione e affidabilità

DOUBLE PERFORMANCES

The advantage of adopting this equipment in your plant lays in the chance of plating large amounts of materials in a shorter time. Operating with 2 barrels will give you the chance either to keep high standards of quality or achieving a double production. Twin Rotor barrels can also be used in a plating plant that mixes barrels and racks.

Technical features:

- Can take loads of up to 500 kg
- Non-dipped portion of the frame = stainless steel AISI 304 with hepoxidic paint
- Dipped portion of the frame = stainless steel AISI 316 and PP
- Modular structure reinforced with welded ribbing on the stainless steel frame
- Tank to barrel cathodic contact (wedge-bell type)
- Fully customisable
- Available with automatic opening door
- Maximum reliability and ease of maintenance



ROTOR GEMELLI | TWIN ROTOR



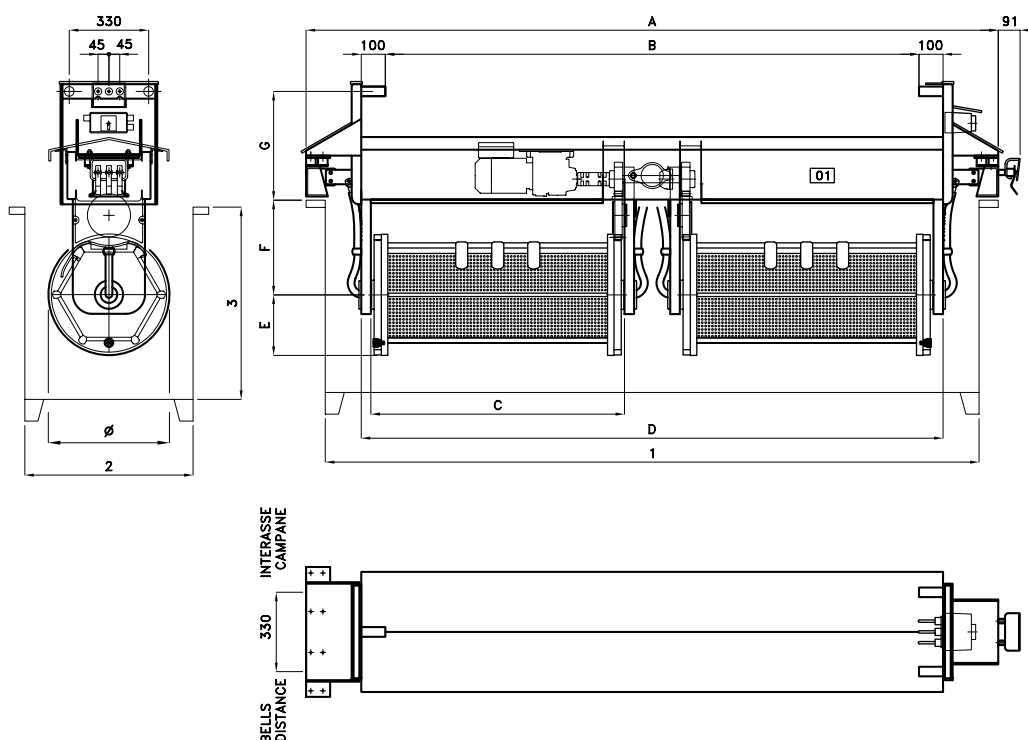
GAMMA | RANGE

CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	BATACCHI DANGLERS	POTENZA MOTORI MOTOR POWER	CAMPANA BELL	PESO WEIGHT
n.		mm	dm ³	kg	mm ²	kW	MOD. 2000	kg
2RX0526	500/260	12	2 × 27	2 × 40	50	SEW 0,37	N°2	254
2RX0726	700/260	12	2 × 39	2 × 50	50	SEW 0,37	N°2	267
2RX1026	1000/260	12	2 × 56	2 × 60	50	SEW 0,37	N°2	287
2RX0732	700/320	12	2 × 55	2 × 70	120	SEW 0,37	N°2	282
2RX1032	1000/320	12	2 × 81	2 × 80	120	SEW 0,37	N°2	305
2RX0836	800/360	12	2 × 79	2 × 80	120	SEW 0,37	N°2	304
2RX1036	1000/360	12	2 × 101	2 × 100	120	SEW 0,55	N°3	318
2RX1236	1200/360	12	2 × 122	2 × 100	120	SEW 0,55	N°3	336
2RX0836-7	800/360-7	12	2 × 111	2 × 90	120	SEW 0,37	N°2	310
2RX1036-7	1000/360-7	12	2 × 141	2 × 110	120	SEW 0,55	N°3	324
2RX1236-7	1200/360-7	12	2 × 171	2 × 110	120	SEW 0,55	N°3	340
2RX1042	1000/420	12	2 × 140	2 × 140	120	SEW 0,55	N°3	354
2RX1242	1200/420	12	2 × 170	2 × 140	120	SEW 0,55	N°3	380
2RX1042-7	1000/420-7	12	2 × 195	2 × 150	120	SEW 0,55	N°3	370
2RX1242-7	1200/420-7	12	2 × 237	2 × 150	120	SEW 0,55	N°3	392



CARATTERISTICHE TECNICHE | TECHNICAL DETAILS

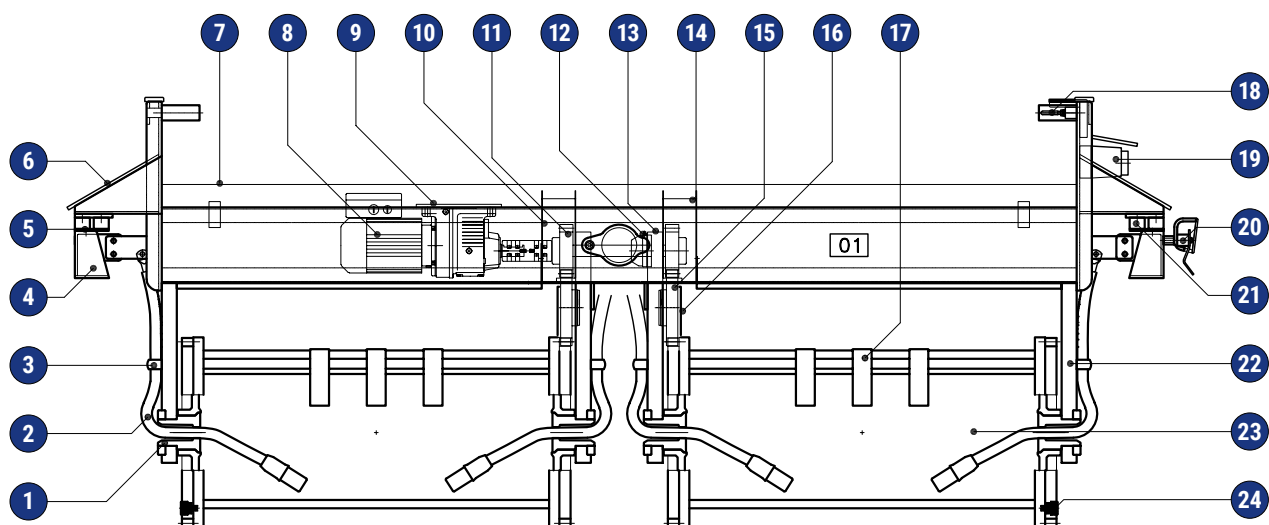
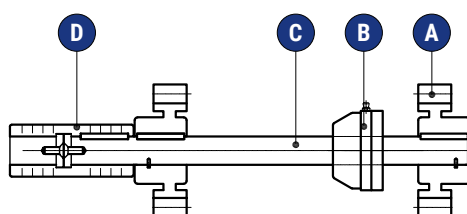
CODICE CODE	MODELLO MODEL	A	B	C	D	E	F	G	Ø	VASCHE TANKS 1	VASCHE TANKS 2	VASCHE TANKS 3
n.		mm								mm		
2RX0526	500/260	1860	1220	555	1420	170	326,5	420	340	1700	600	700
2RX0726	700/260	2260	1620	755	1820	170	326,5	420	340	2100	600	700
2RX1026	1000/260	2860	2220	1055	2420	170	326,5	420	340	2700	600	700
2RX0732	700/320	2260	1620	755	1820	220	374,5	420	441	2100	700	800
2RX1032	1000/320	2880	2220	1055	2420	220	374,5	420	441	2700	700	800
2RX0836	800/360	2460	1820	855	2020	252	395,5	450	504	2300	700	800
2RX1036	1000/360	2880	2220	1055	2420	252	395,5	450	504	2720	700	800
2RX1236	1200/360	3280	2620	1255	2820	252	395,5	450	504	3120	700	800
2RX0836-7	800/360-7	2460	1820	855	2020	271,5	395,5	450	543	2300	800	1000
2RX1036-7	1000/360-7	2880	2220	1055	2420	271,6	395,5	450	543	2720	800	1000
2RX1236-7	1200/360-7	3280	2620	1255	2820	271,7	395,5	450	543	3120	800	1000
2RX1042	1000/420	2880	2220	1055	2420	291,5	435,5	450	583	2720	800	1000
2RX1242	1200/420	3280	2620	1255	2820	291,6	435,5	450	583	3120	800	1000
2RX1042-7	1000/420-7	2880	2220	1055	2420	325	465,5	450	650	2720	900	1000
2RX1242-7	1200/420-7	3280	2620	1255	2820	325	465,5	450	650	3120	900	1000



ROTOR GEMELLI | TWIN ROTOR

RICAMBI TRASMISSIONE | TRANSMISSION SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
A	PIGNONE Z12 M10 PINION Z12 M10	2URBE30D30
A	PIGNONE Z20 M5,5 PINION Z20 M5.5	URB2E30D30
B	CUSCINETTO PER ROTOR GEMELLO BEARING FOR TWIN ROTOR	L2URB-07A
C	ALBERO DI TRASMISSIONE DIA. 25/30 TRANSMISSION SHAFT DIA. 25/30	2URB2-08
D	GIUNTO GRI 30 JOINT GRI 30	CR0000210
D	GIUNTO GRI 25 JOINT GRI 25	CR0000211



RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
1	MOZZO CON GHIERA <i>THREADED HUB</i>	PAG. 80 
2	BATACCHIO <i>DANGLER</i>	PAG. 76 
3	FERMABATACCHIO RAPIDO <i>FAST DANGLER STOP</i>	SURB-40
4	CAMPANA MOD. 2000 <i>BELL SUPPORT MOD. 2000</i>	PAG. 85 
5	PIASTRA SUPPORTO CAMPANA <i>BELL SUPPORT PLATE</i>	LURB-03
6	CARTER PROTEZIONE STAFFA SOLLEVAMENTO <i>PROTECTIVE HOOD FOR LIFTING BRACKETS</i>	L2URB2-55
7	CARTER SUPERIORE MOD. 500 <i>UPPER PROTECTIVE HOOD MOD. 500</i>	L2URB-50A05
7	CARTER SUPERIORE MOD. 700 <i>UPPER PROTECTIVE HOOD MOD. 700</i>	L2URB-50A07
7	CARTER SUPERIORE MOD. 800 <i>UPPER PROTECTIVE HOOD MOD. 800</i>	L2URB-50A08
7	CARTER SUPERIORE MOD. 1000 <i>UPPER PROTECTIVE HOOD MOD. 1000</i>	L2URB-50A10
7	CARTER SUPERIORE MOD. 1200 <i>UPPER PROTECTIVE HOOD MOD. 1200</i>	L2URB-50A12
8	MOTORIDUTTORE <i>GEAR MOTOR</i>	PAG. 78 
9	SEDIA MOTORE <i>MOTOR SUPPORT PLATE</i>	L2URB-43C
10	CARTER PROTEZIONE TRASMISSIONE <i>PROTECTIVE HOOD FOR TRANSMISSION GEAR</i>	L2URB2-30A
11	PIGNONE <i>PINION</i>	PAG. 78 
12	GRUPPO TRASMISSIONE <i>COMPLETE TRANSMISSION UNIT</i>	2URB-06
13	SPALLA INTERNA <i>INTERNAL UPRIGHT</i>	LG2000-10A
14	CARTER PROTEZIONE TRASMISSIONE (LATO MOTORE) <i>PROTECTIVE HOOD FOR TRANSMISSION GEAR (MOTOR SIDE)</i>	L2URB2-30B1
15	INGRANAGGIO INTERMEDIO <i>INTERMEDIATE GEAR</i>	PAG. 79 
16	CARTER PROTEZIONE INTERMEDIO <i>INTERMEDIATE GEAR PROTECTION</i>	SURB2-52
17	CHIUSURA PVDF <i>PVDF CLOSING CLIP</i>	PAG. 70 
18	CONTATTO FLESSIBILE X M. AEREA <i>FLEXIBLE CONTACT FOR HOIST PICK-UP</i>	URB-70
19	SALVAMOTORE <i>MOTOR PROTECTOR</i>	CR00100
20	MORSETTIERA ROTOR EXPORT <i>ROTOR EXPORT PICK-UP CONTACT</i>	URB-71
21	ANTIVIBRANTE 40×30 <i>ANTIVIBRATION 40×30</i>	SURB-24B
22	SPALLA ESTERNA <i>EXTERNAL UPRIGHT</i>	LG2000-10A
23	ESAGONO <i>CYLINDER</i>	PAG. 66 
24	CAMMA MAGNETICA <i>MAGNETIC CAM</i>	SURB2-56

Rotor a trasmissione esterna

Rotor with external drive transmission

Oltre alla gamma standard di Rotor con motore a bordo, Progalvano ha sviluppato la stessa gamma con trasmissione esterna della rotazione. Questa serie viene pensata soprattutto per quei mercati nei quali la versione d'impianto più comune prevede per l'appunto barili a trasmissione esterna.

Principali caratteristiche:

- Struttura non a bagno in acciaio inossidabile AISI 304 verniciato
- Struttura a bagno in PP e acciaio inossidabile AISI 316
- Struttura completamente modulare e rinforzata con telaio in acciaio inox a tubolari saldati
- Supporto di contatto a 1 o 2 campane
- Massima facilità di manutenzione e affidabilità

In addition to its standard range of barrels having on-board motors, Progalvano has developed the same series with an external drive transmission as rotating system. This line is mainly intended for markets where plating plants have, as the most common barrel configuration, an external side transmission.

Technical features:

- Non-dipped portion of the frame = stainless steel AISI 304 with hepoxidic paint
- Dipped portion of the frame = stainless steel AISI 316 and PP
- Modular structure reinforced with welded ribbing on the stainless steel frame
- Support for contact: 1 or 2 bells
- Maximum reliability and ease of maintenance



ROTOR A TRASMISSIONE ESTERNA | ROTOR WITH EXTERNAL DRIVE TRANSMISSION

GAMMA | RANGE

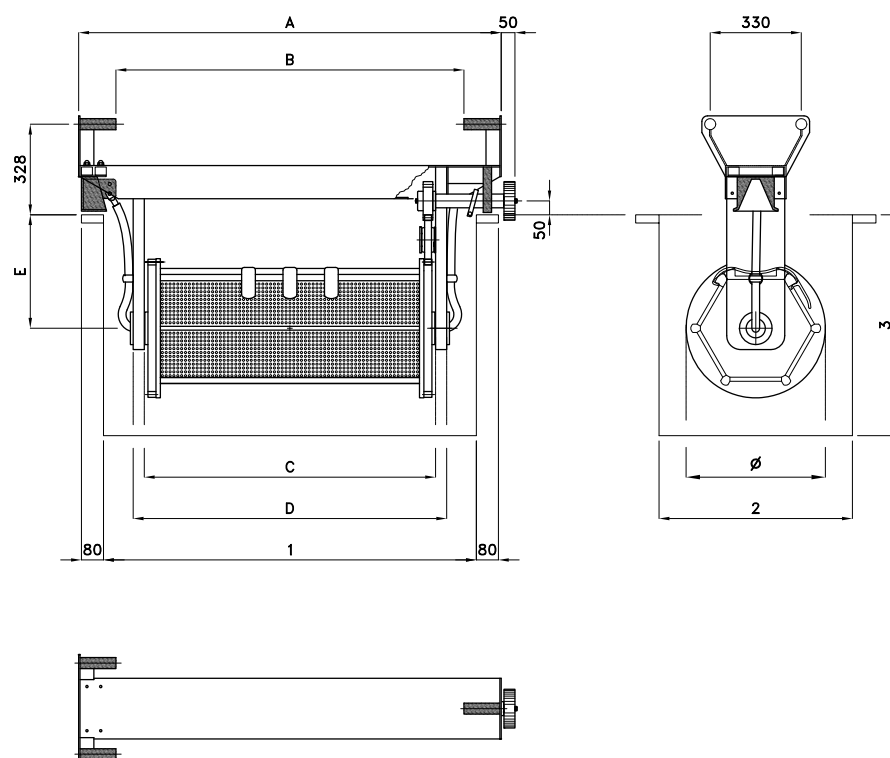


CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	BATACCHI DANGLERS	PESO WEIGHT
n.		mm	dm ³	kg	mm ²	kg
RTE0526	500/260	12	27	40	50	92
RTE0726	700/260	12	39	50	50	98
RTE1026	1000/260	12	56	60	50	107
RTE0732	700/320	12	55	70	120	105
RTE1032	1000/320	12	81	80	120	117
RTE0836	800/360	12	79	80	120	116
RTE1036	1000/360	12	101	100	120	123
RTE1236	1200/360	12	122	100	120	132
RTE0836-7	800/360-7	12	111	90	120	120
RTE1036-7	1000/360-7	12	141	110	120	128
RTE1236-7	1200/360-7	12	171	110	120	135
RTE1042	1000/420	12	140	140	120	136
RTE1242	1200/420	12	170	140	120	143
RTE1042-7	1000/420-7	12	195	150	120	146
RTE1242-7	1200/420-7	12	237	150	120	153



CARATTERISTICHE TECNICHE | TECHNICAL DETAILS

CODICE CODE	MODELLO MODEL	A	B	C	D	E	Ø	VASCHE TANKS 1	VASCHE TANKS 2	VASCHE TANKS 3
n.		mm						mm		
RTE0526	500/260	1036	860	555	615	357	340	850	600	700
RTE0726	700/260	1230	1060	755	815	357	340	1050	600	700
RTE1026	1000/260	1530	1360	1055	1115	357	340	1350	600	700
RTE0732	700/320	1230	960	755	835	404	441	1050	700	800
RTE1032	1000/320	1530	1260	1055	1135	404	441	1350	700	800
RTE0836	800/360	1330	1060	855	935	411	504	1150	700	800
RTE1036	1000/360	1530	1260	1055	1135	411	504	1350	700	800
RTE1236	1200/360	1730	1460	1255	1335	411	504	1550	700	800
RTE0836-7	800/360-7	1330	1060	855	935	411	543	1150	800	1000
RTE1036-7	1000/360-7	1530	1260	1055	1135	411	543	1350	800	1000
RTE1236-7	1200/360-7	1730	1460	1255	1335	411	543	1550	800	1000
RTE1042	1000/420	1530	1260	1055	1135	453	583	1350	800	1000
RTE1242	1200/420	1730	1460	1255	1335	453	583	1550	800	1000
RTE1042-7	1000/420-7	1530	1260	1055	1135	483	650	1350	900	1000
RTE1242-7	1200/420-7	1730	1460	1255	1335	483	650	1550	900	1000



rotor speciali
special barrels

Rotor speciali

Special barrels



LA STANDARDIZZAZIONE DI UN'IDEA

Progalvano progetta e realizza ogni anno numerosi prodotti su misura. Partendo dalle esigenze espresse dalla clientela, nascono spesso numerose varianti dei nostri Rotor che ben si adattano a richieste analoghe di molti altri clienti in tutto il mondo.

Grazie a successive prove, migliorie e standardizzazioni nascono così i nostri Rotor Speciali: buratti ispirati dai nostri clienti e perfezionati dall'esperienza tecnica di Progalvano, in un continuo e reciproco scambio di valore!

STANDARDISING AN IDEA

Every year Progalvano conceives and creates several custom-made rotor barrels. By starting from the needs expressed by our customers, we often design variations of Rotors that can be easily adapted to similar customers' demands from different markets around the world. So that, thanks to further tests, improvements and standardisations, we can offer our so-called Special Rotor: barrels inspired by our customers and refined by our technical experience, as in a mutual exchange for value.

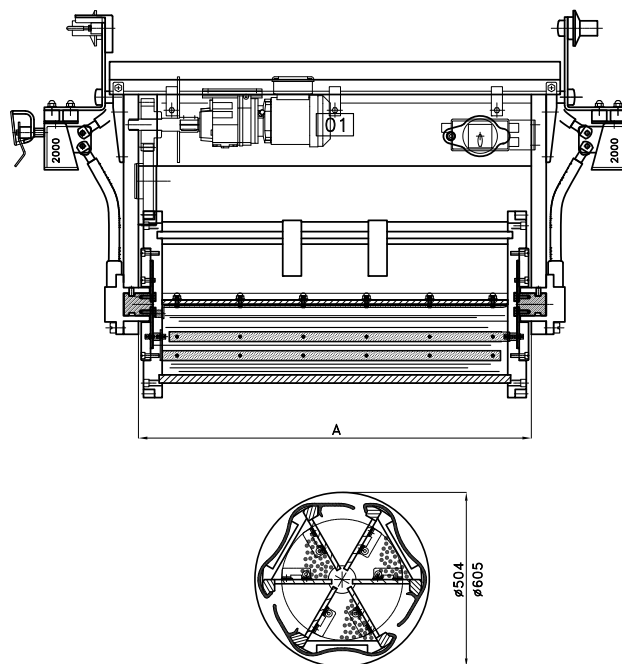


ROTOR TRIFOGLIO | CLOVER BARREL

CARATTERISTICHE TECNICHE | TECHNICAL DETAILS

CODICE CODE	MODELLO MODEL	A	VOLUME	PORTATA LOAD CAPACITY
n.		mm	dm ³	kg
RX2T0836	800/360	855	12,5 × 3	14 × 3
RX2T1036	1000/360	1055	16 × 3	18 × 3
RX2T1236	1200/360	1255	20 × 3	23 × 3
RX2T1042	1000/420	1055	22 × 3	25 × 3
RX2T1242	1200/420	1255	27 × 3	30 × 3

4 barre per ogni sezione di carica / 4 flat bars for each section



ROTOR EXPORT CON BARILETTI | ROTOR EXPORT WITH CYLINDERS

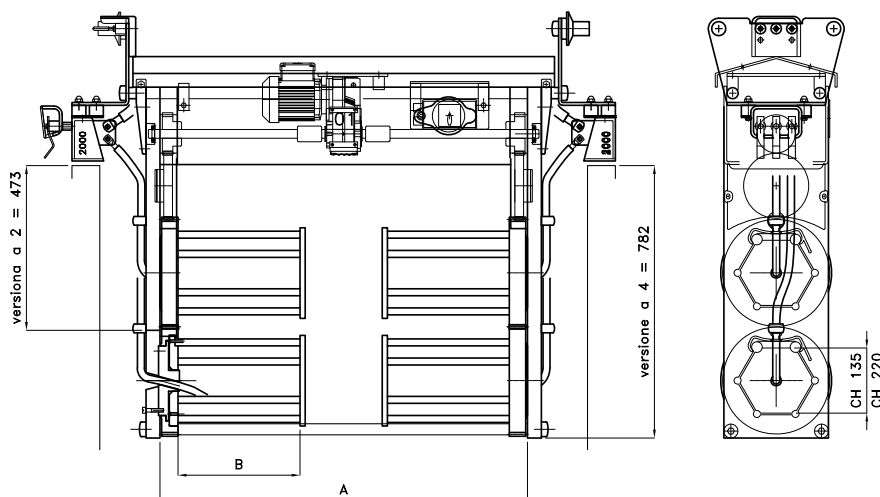
4 BARILETTI | 4 CYLINDERS

CODICE CODE	MODELLO MODEL	A	B	VOLUME	PORTATA LOAD CAPACITY
n.		mm		dm ³	kg
4MX222-07	700	755	250	7,6 × 4	6 × 4
4MX222-08	800	855	300	9,1 × 4	7 × 4
4MX222-10	1000	1055	350	10,6 × 4	8 × 4
4MX222-12	1200	1255	400	12,1 × 4	9 × 4

2 BARILETTI | 2 CYLINDERS

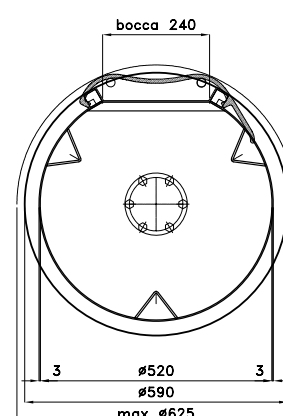
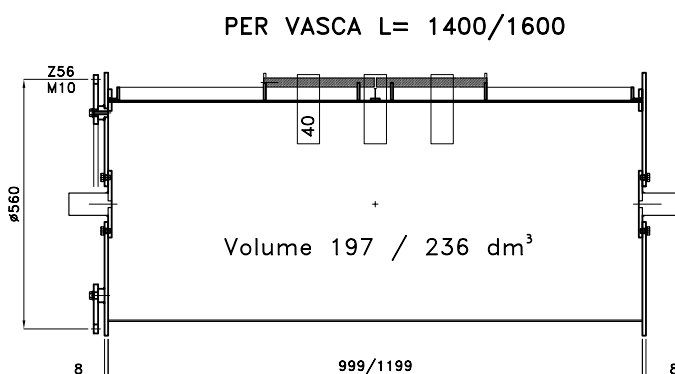
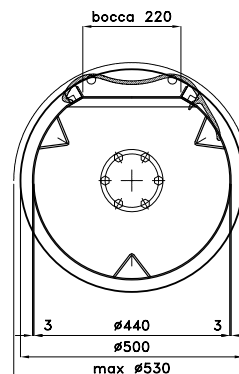
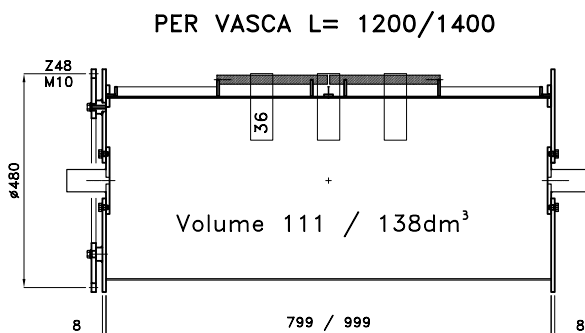
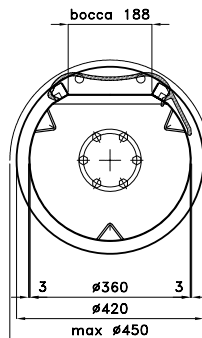
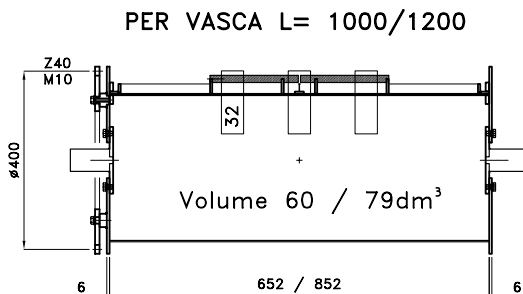
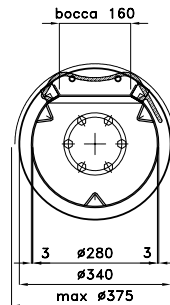
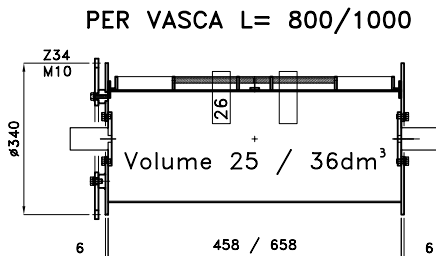
CODICE CODE	MODELLO MODEL	A	B	VOLUME	PORTATA LOAD CAPACITY
n.		mm		dm ³	kg
2MX222-07	700	755	250	7,6 × 2	6 × 2
2MX222-08	800	855	300	9,1 × 2	7 × 2
2MX222-10	1000	1055	350	10,6 × 2	8 × 2
2MX222-12	1200	1255	400	12,1 × 2	9 × 2

Doppia trasmissione sui pignoni e motoriduttore FA/ Double transmission on pinions and FA gearmotor



ROTOR IN ACCIAIO INOX | STAINLESS STEEL BARREL

Struttura esterna in acciaio inox AISI 304, parti immerse realizzate in AISI 316. Prezzi e dettagli su richiesta.
Frame in stainless steel AISI 304, plunged parts produced in AISI 316. Prices and information on request.



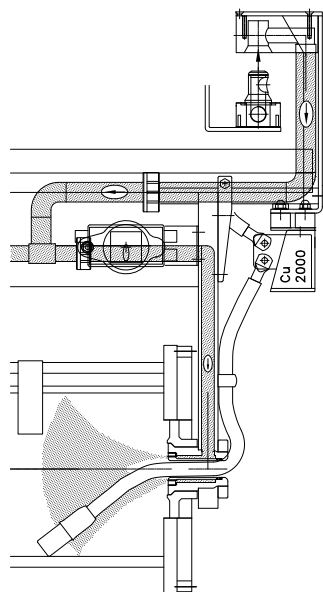
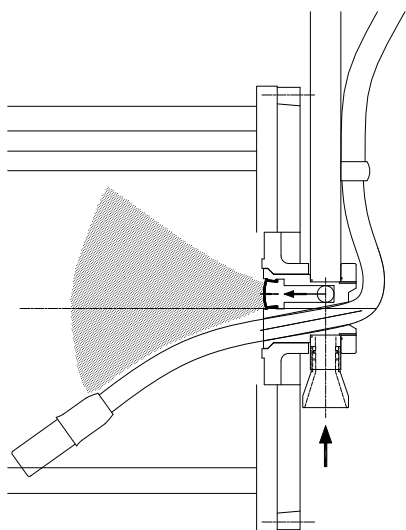
SISTEMA INIEZIONE LIQUIDI DAL MOZZO E DAL CARRO | DEVICE FOR LIQUID INJECTION THROUGH THE HUB OR FROM THE TROLLEY

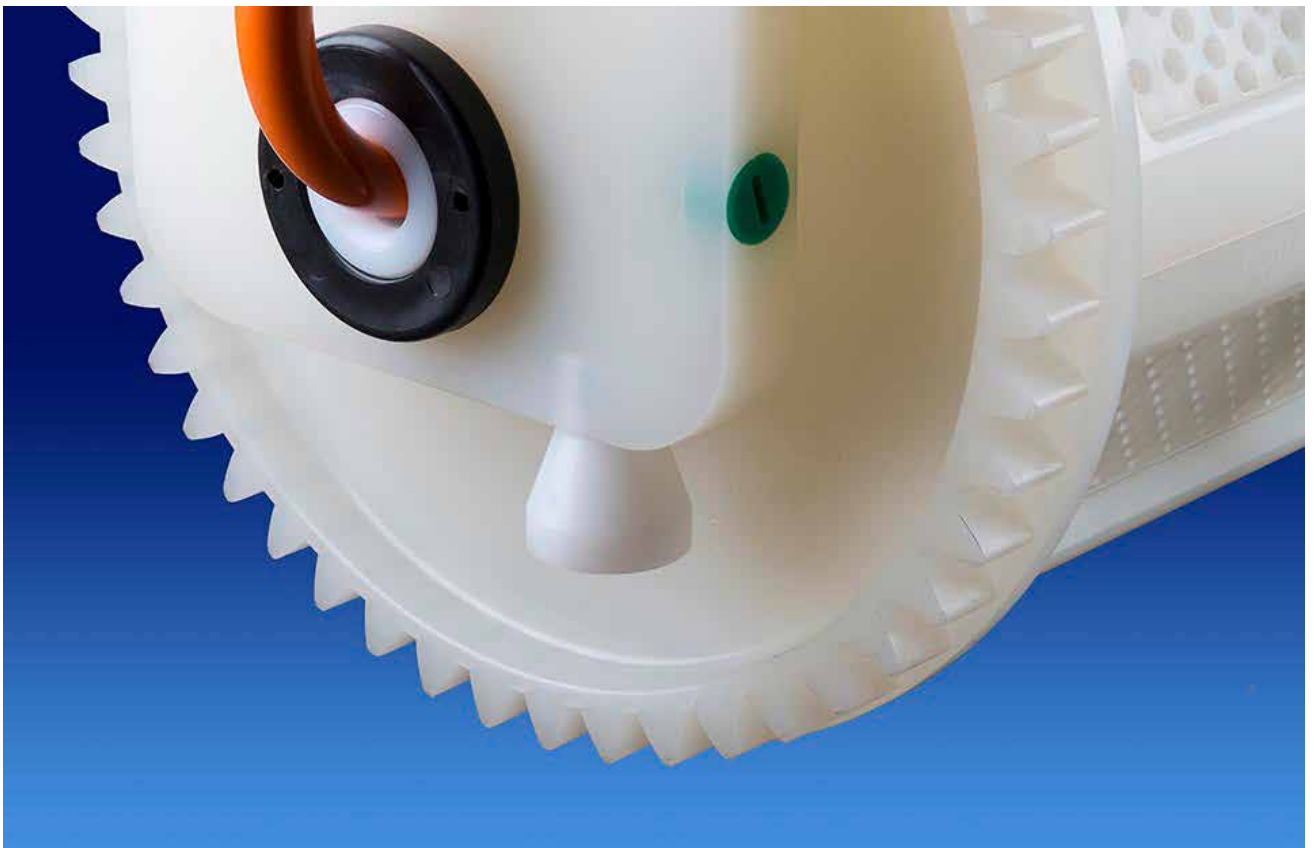
- Adduzione di soluzioni concentrate all'interno del cilindro.
- Sistema di lavaggio dei pezzi trattati, con notevole risparmio d'acqua.
- Incremento dell'agitazione del bagno.

Prezzi e dettagli su richiesta.

- *Injection of concentrated solutions inside the cylinder.*
- *Items washing device, for a low water consumption.*
- *Increase of fluid agitation.*

Prices and information on request.





NUOVO “SISTEMA PM” PROGALVANO | NEW “PM SYSTEM” PROGALVANO

Per il controllo della rotazione del barile e la misurazione della corrente nei batacchi.

AD OGNI ROTOR UNA PROPRIA IDENTITÀ! Per la prima volta, un rotoburatto è dotato di un azionamento programmabile, integrato e controllabile in tempo reale dal PLC dell'impianto.

For controlling barrel's rotation and measuring the internal current of dangles.

GIVE YOUR ROTOR ITS OWN IDENTITY! For the first time, a plating barrel is equipped with a programmable drive that can be controlled and integrated in real time from the PLC of the plant.



MISURAZIONE
CORRENTE NEI
BATACCHI



GESTIONE
IN TEMPO REALE
TRAMITE PLC



MONITORAGGIO E
PROTEZIONE DEL
MOTORIDUTTORE



PROGRAMMAZIONE
DEI GIRI DEL
CILINDRO



CONTROLLO
ACCELERAZIONE/
DECELERAZIONE
BURATTO



SENSO DI
ROTAZIONE DEL
BARILE



MEMORIZZAZIONE
DELLE ORE DI
FUNZIONAMENTO
E PARAMETRI



MEMORIA
LOG ERRORI



CALENDARIO DELLA
MANUTENZIONE
PROGRAMMATA

MEASURING
CURRENT INSIDE
DANGLERS

MANAGING IN REAL
TIME VIA PLC

MONITORING &
PROTECTING THE
GEAR MOTOR

PROGRAMMING
THE RPMs
OF THE BARREL

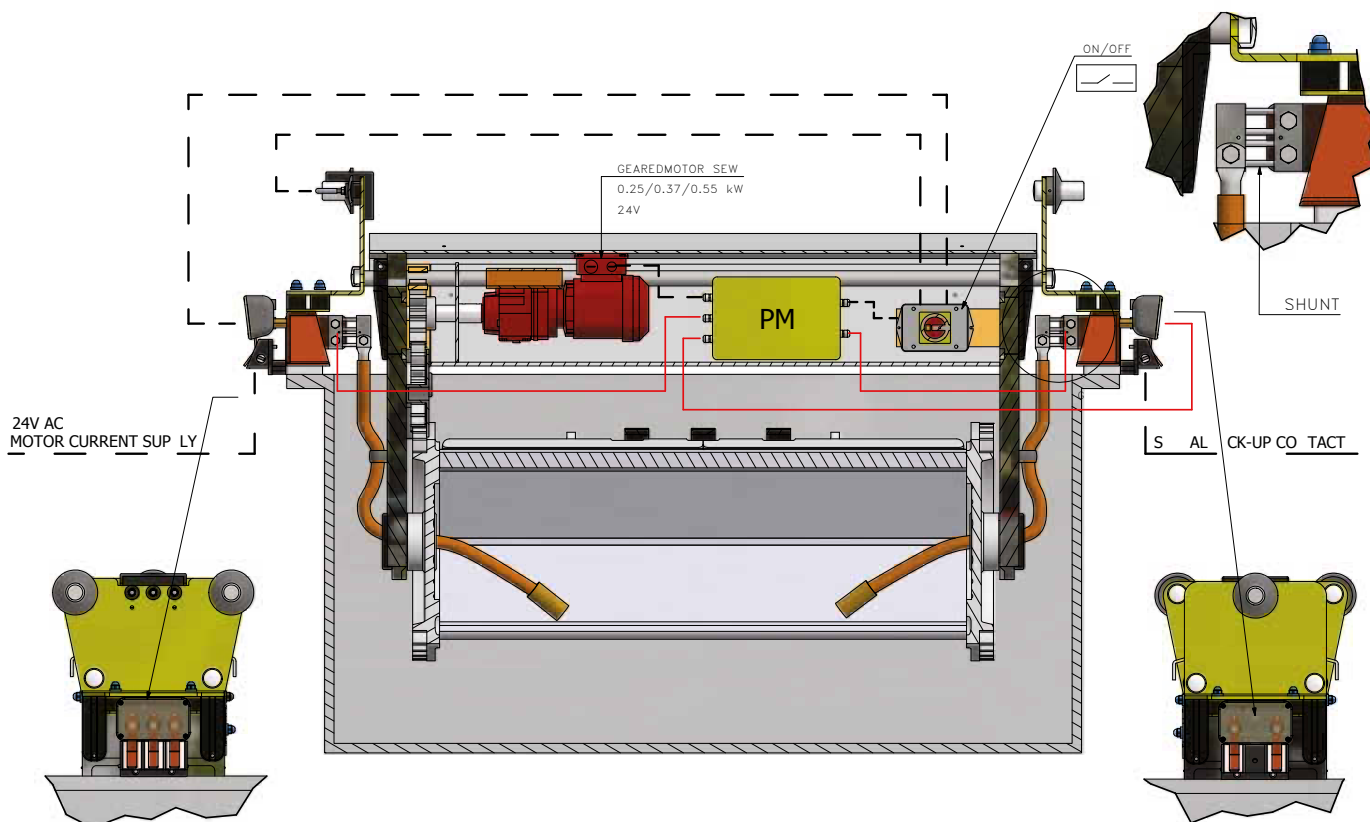
CONTROLLING
ACCELERATION/
DECELERATION

DIRECTION OF
ROTATION
OF THE BARREL

MEMORIZING
WORKING HOURS
AND OPERATION
PARAMETERS

MEMORIZING
LOG ERRORS

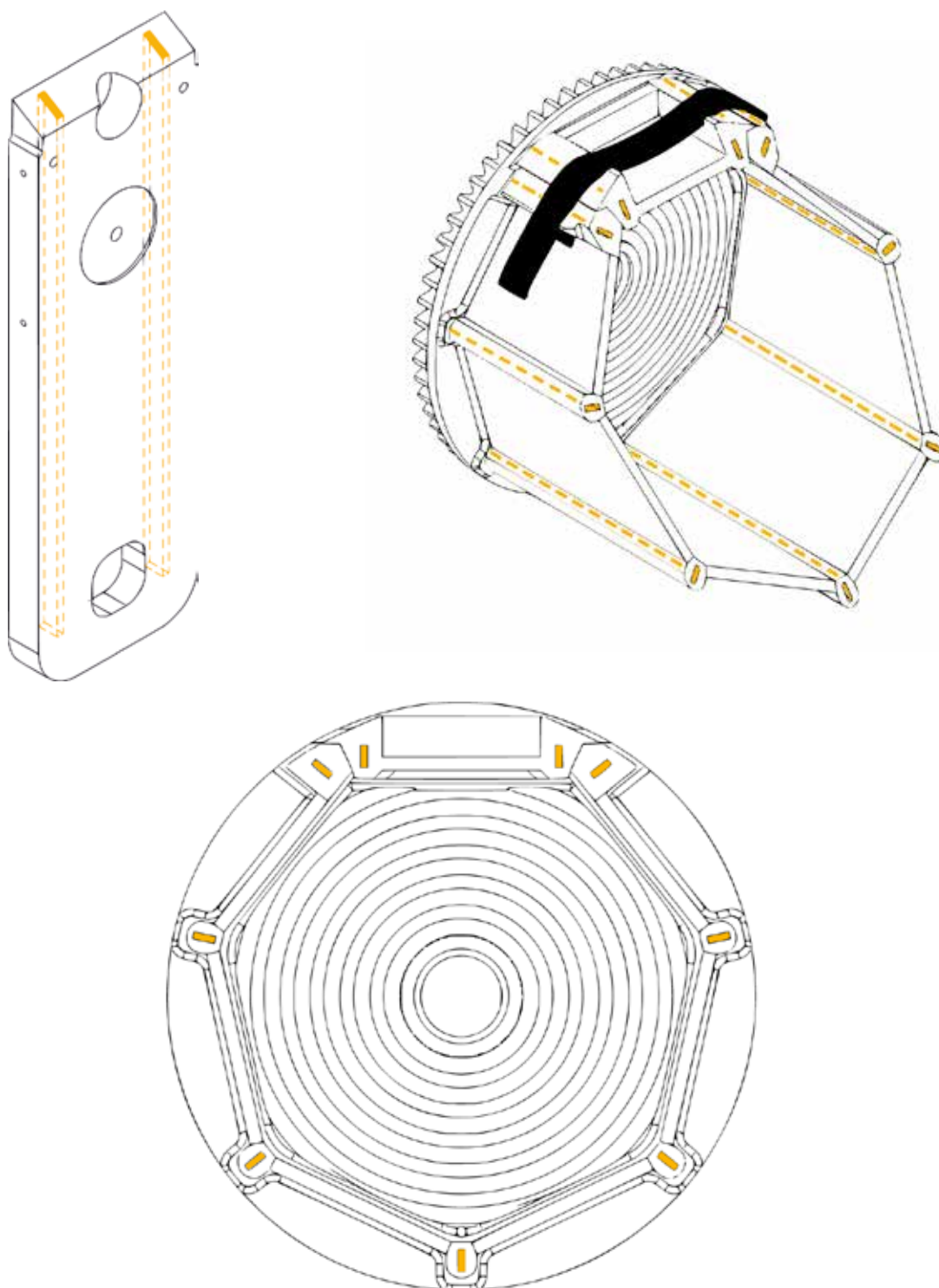
PROGRAMMING
MAINTENANCE
CALENDAR



BARILI CON ARMATURA IN ACCIAIO INOX / BARRELS WITH REINFORCEMENTS IN SS

Per affrontare carichi gravosi, alte temperature e condizioni particolari di trattamento offriamo veri e propri rinforzi in acciaio INOX da includere nei nostri cilindri e nelle spalle.

In order to face heavy loads, high temperatures and particular conditions of plating treatments, we offer reinforcements to be included in our PP cylinders and uprights.



Contatti catodici speciali

Special cathodic contacts



AD OGNI ARTICOLO IL SUO CONTATTO CATODICO

Ogni tipo di minuteria deve poter essere trattata con precisi accorgimenti, a seconda dei vari processi di deposizione. Progalvano affianca alla gamma dei Rotor con contatto a batacchio, altri 5 tipi i contatti catodici progettati per trattare particolari oggetti con forme, materiali e dimensioni specifiche:

- Contatto catodico aperto a disco
- Contatto catodico a tenuta stagna a disco
- Contatto catodico aperto a barrette
- Contatto catodico a tenuta stagna a barrette
- Mono-contatto per plastica

EVERY ITEM ITS CATHODIC CONTACT

Every kind of smallware must be treated using precise devices, according to various deposition processes. Beside the overall range of barrels having danglers contact. Progalvano offers other 5 types of cathodic contacts designed to treat items with specific shapes, dimensions and materials:

- Cathode contact "open" with disc
- Watertight disc cathode contact
- Cathode contact "open" with bars
- Cathode contact "watertight" with bars
- Single cathode contact for plastic

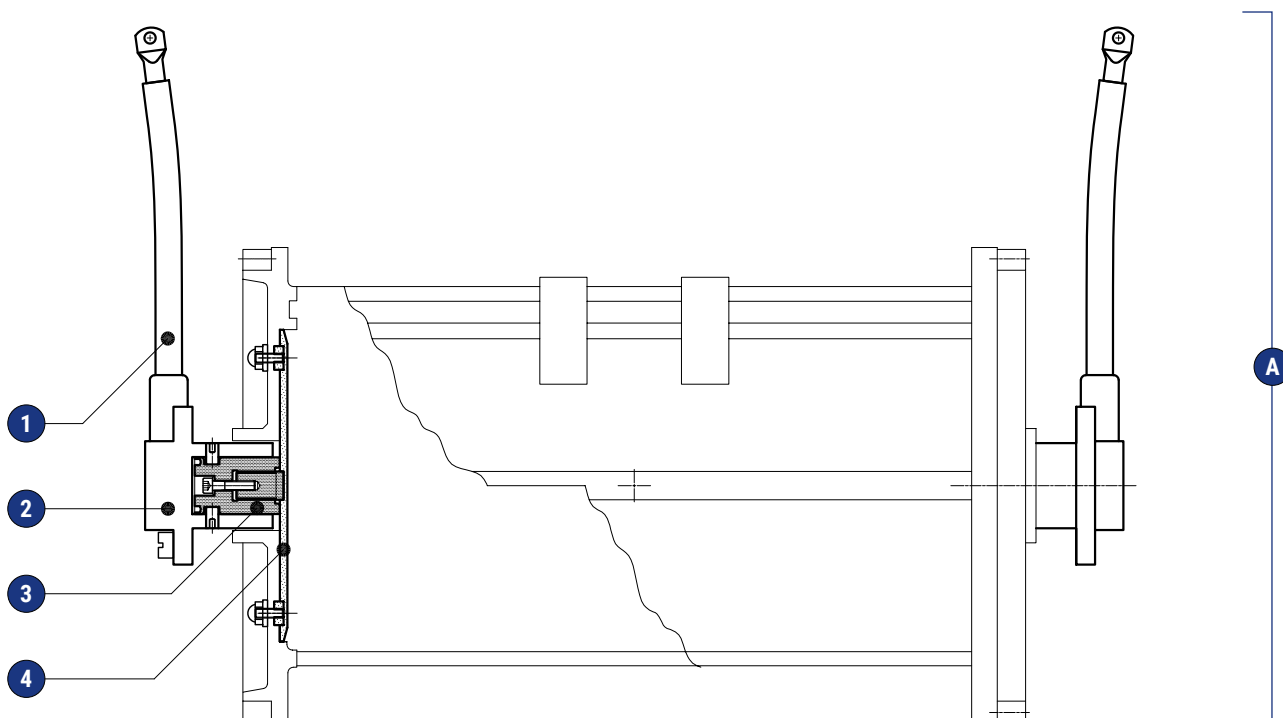


CONTATTO CATODICO APERTO A DISCO | CATHODE CONTACT "OPEN" WITH DISC

RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
A	CONTATTO APERTO A DISCO COMPLETO <i>COMPLETE "OPEN" CONTACT WITH DISC</i>	CAD-200
1	CAVO FLESSIBILE 120 <i>FLEXIBLE CABLE 120</i>	CF12051
2	MOZZO CATODICO <i>CATHODE HUB</i>	URB-150
3	MOZZO CU <i>CU HUB</i>	URB-155
4	DISCO CATODICO <i>CATHODE DISC</i>	URB-240

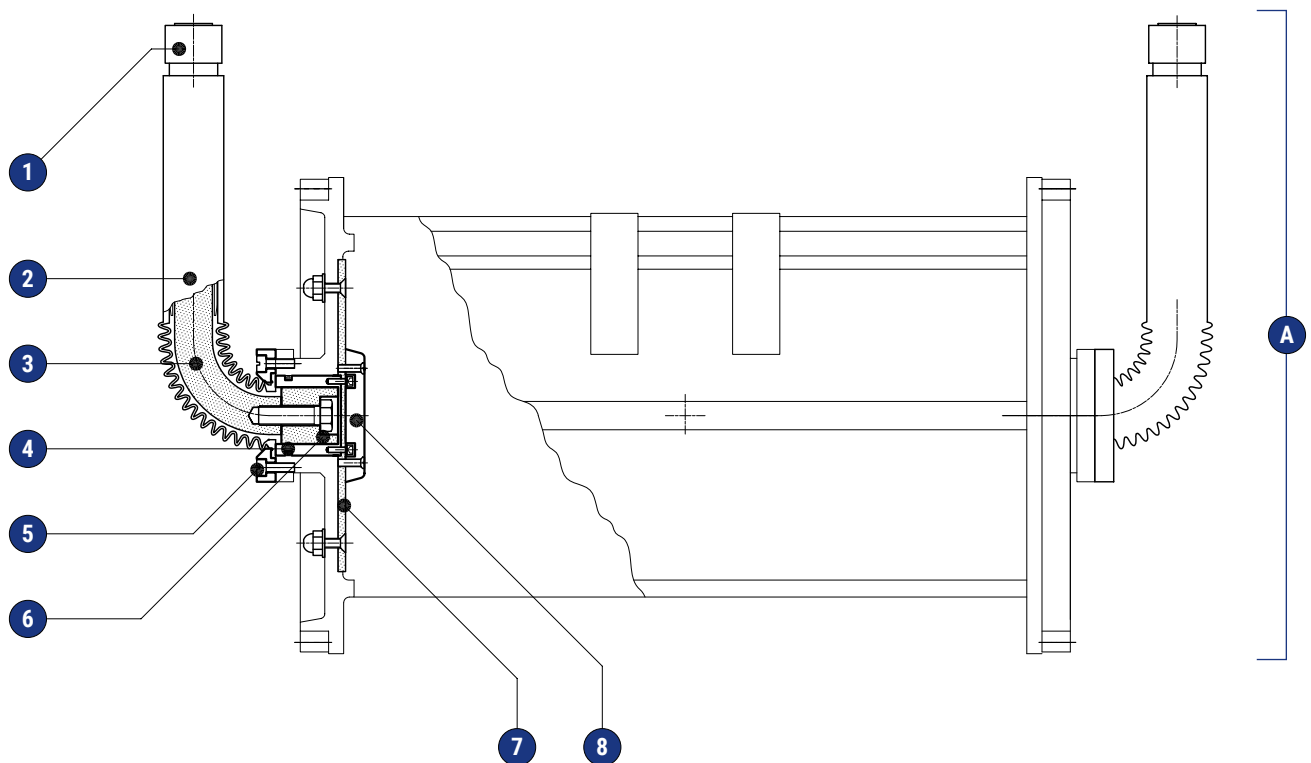
Solo per Zn e Zn/Ni | *Only for Zn and Zn-Ni*



CONTATTO CATODICO STAGNO A DISCO | *WATERTIGHT DISC CATHODE CONTACT*

RICAMBI | *SPARE PARTS*

POS.	COMPONENTE COMPONENT	CODICE CODE
A	CONTATTO STAGNO A DISCO COMPLETO <i>COMPLETE WATERTIGHT DISC CATHODE CONTACT</i>	CSD-400
1	GUIDA SUPERIORE SOFFIETTO D.N. 40 <i>UPPER BELLOW GUIDE D.N. 40</i>	URB-303
2	SOFFIETTO COMPLETO D.N. 40 <i>COMPLETE BELLOW D.N. 40</i>	URB-304
3	SUPPORTO CATODICO <i>CATHODIC SUPPORT</i>	LURB-305
4	BUSSOLA <i>BUSH</i>	URB-341A
5	FLANGIA SOFFIETTO D.N. 40 <i>BELLOW FLANGE D.N. 40</i>	LURB-320
6	MOZZO CU <i>CU HUB</i>	LURB-320A
7	DISCO CATODICO INOX <i>SS CATHODE DISC</i>	URB-440
8	PROTEZIONE DISCO CATODICO <i>PROTECTION FOR CATHODE DISC</i>	URB-470

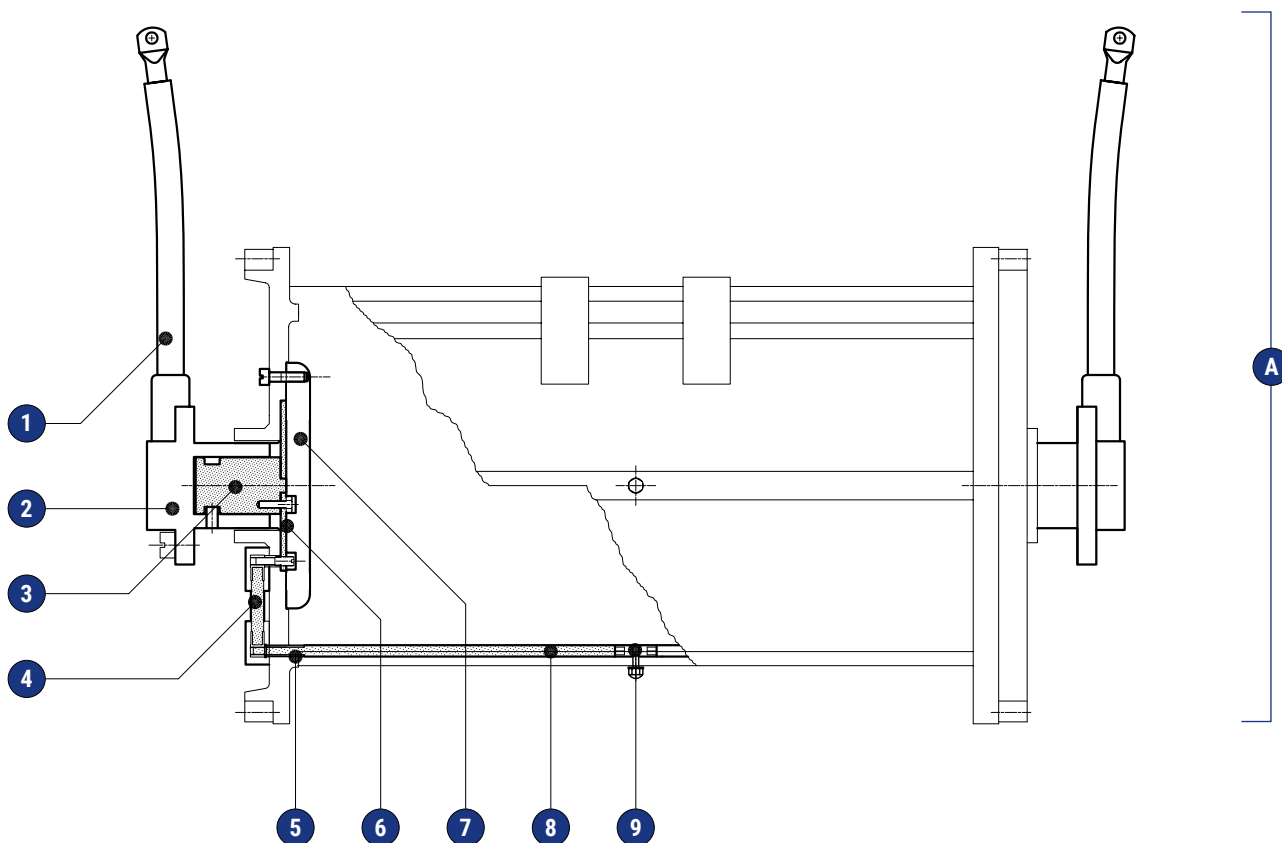


CONTATTO CATODICO APERTO A BARRETTE | CATHODE CONTACT "OPEN" WITH BARS

RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
A	CONTATTO APERTO A BARRETTE COMPLETO COMPLETE "OPEN" CONTACT WITH BARS	CAB-100
1	CAVO FLESSIBILE 120 FLEXIBLE CABLE 120	CF12051
2	MOZZO CATODICO CATHODE HUB	URB-150
3	MOZZO CU CU HUB	URB-155
4	GIUNTO ESTERNO EXTERNAL JOINT	URB-160
5	BUSSOLA DI PROTEZIONE IN PEEK BUSH IN PEEK	LURBK161
6	DISCO CATODICO CATHODE DISC	URB-140
7	PROTEZIONE DISCO CATODICO PROTECTION FOR CATHODE DISC	URB-170
8	BARRETTA IN INOX Ø 12 BAR Ø 12 IN SS	LURB-161
9	GRUPPO FISSAGGIO BARRETTA BARS FIXING UNIT	URB-162

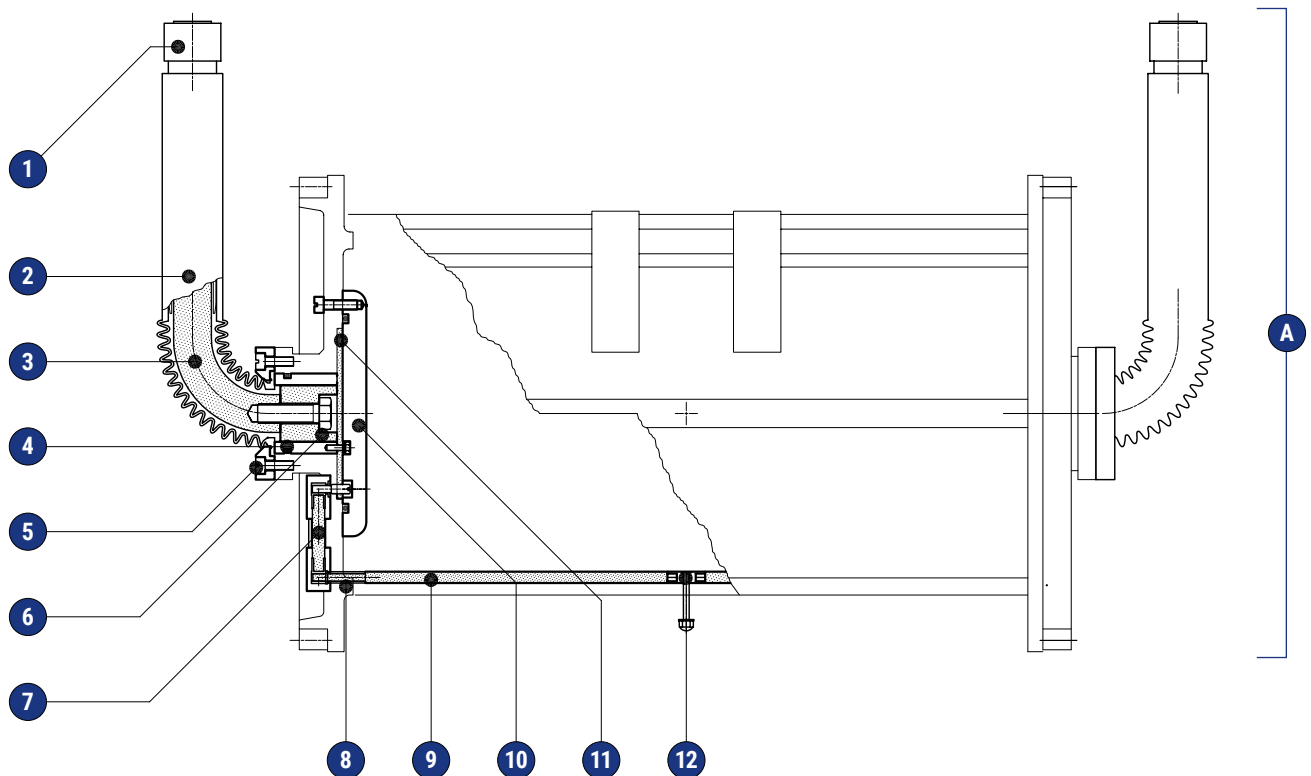
Solo per Zn e Zn/Ni | Only for Zn and Zn-Ni



CONTATTO CATODICO STAGNO A BARRETTE | CATHODE CONTACT "WATERTIGHT" WITH BARS

RICAMBI | SPARE PARTS

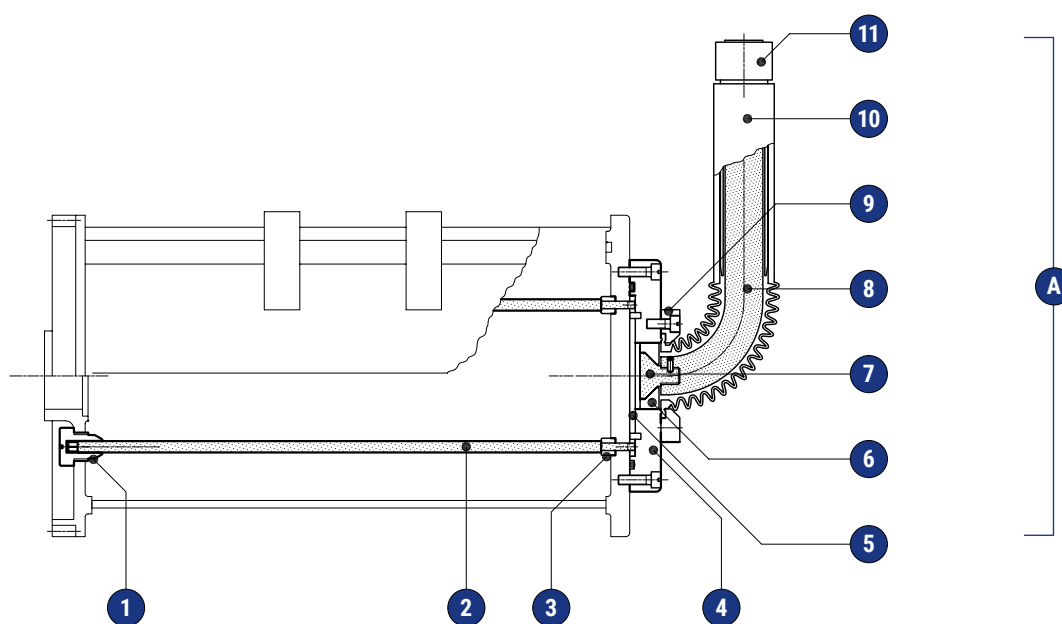
POS.	COMPONENTE COMPONENT	CODICE CODE
A	CONTATTO STAGNO A BARRETTE COMPLETO WATERTIGHT CATHODE CONTACT COMPLETE	CSB-300
1	GUIDA SUPERIORE SOFFIETTO D.N. 40 UPPER BELLOW GUIDE D.N. 40	URB-303
2	SOFFIETTO D.N. 40 BELLOW D.N. 40	URB-304
3	SUPPORTO CATODICO Ø 40 CATHODE SUPPORT Ø 40	LURB-305
4	BUSSOLA BUSH	URB-341A
5	FLANGIA SOFFIETTO D.N. 40 BELLOW FLANGE D.N. 40	LURB-320
6	MOZZO CU CU HUB	LURB-320A
7	GIUNTO ESTERNO EXTERNAL JOINT	URB-160
8	BUSSOLA DI PROTEZIONE IN PEEK BUSH IN PEEK	LURBK161
9	BARRETTA IN INOX Ø 12 BAR Ø 12 IN SS	LURB-161
10	PROTEZIONE DISCO CATODICO PROTECTION FOR CATHODE DISC	URB-370
11	DISCO CATODICO CU CU CATHODE DISC	URB-340A
12	GRUPPO FISSAGGIO BARRETTA BARS FIXING UNIT	URB-162



MONOCONTATTO PER PLASTICA | SINGLE CATHODE CONTACT FOR PLASTIC

RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
A	MONOCONTATTO PER PLASTICA COMPLETO COMPLETE SINGLE CATHODE CONTACT FOR PLASTIC	MCS-500
1	BUSSOLA GUIDA FILETTATA PE PE GUIDE BUSHING	LURB-561A
2	ASTINA Ø12 ROD Ø12 IN S.S.	LURB-561
3	GUARNIZIONE E BUSSOLA DI PROTEZIONE PEEK GASKET + BUSH IN PEEK	LURB2K561
4	FLANGIA DI TENUTA IN PP + VITI JOINT FLANGE IN PP + SCREWS	URB2-570
5	DISCO CATODICO IN CU CATHODE DISC IN COPPER	LURB2-540
6	FLANGIA E DISCO DI CONTATTO CU+AG CONTACT FLANGE AND DISC	URB2-520B
7	CONO DI CONTATTO CONE FOR CONTACT	LURB2-520A
8	SUPPORTO CATODICO CATHODE SUPPORT	LURB-305
9	FLANGIA SOFFIETTO D.N. 40 + VITI BELLOW FLANGE D.N. 40 + SCREWS	URB-320
10	SOFFIETTO COMPLETO COMPLETE BELLOW	URB-304
11	GUIDA SUPERIORE SOFFIETTO UPPER BELLOW GUIDE	URB-303



ROTOR SPECIALI SPECIAL BARRELS



LE ODIERNE INDUSTRIE GALVANICHE RICHIEDONO
STANDARD QUALITATIVI SEMPRE PIÙ ALTI.
INOLTRE SI RISCONTRA UNA CRESCENTE
NECESSITÀ DI INCREMENTARE LA PRODUTTIVITÀ,
SENZA VARIARE ANCHE I PREZZI.
A TAL PROPOSITO PROGALVANO PROPONE UN
SISTEMA DI AUTOMAZIONE DELL'APERTURA/
CHIUSURA DEI PROPRI BARILI, AL FINE DI
CONTENERE TEMPI, COSTI E MASSIMIZZARE
L'EFFICIENZA.

sportello automatico *automatic lid*

NOWADAYS, THE ELECTROPLATING INDUSTRIES'
REQUEST FOR HIGH QUALITY STANDARDS IS
GETTING HIGHER AND HIGHER. MOREOVER THERE'S
A GREAT NEED OF INCREASING PRODUCTIVITY
AND HOLDING PRICES DOWN. FOR THIS REASON,
PROGALVANO PROPOSES AN AUTOMATIC
OPENING/CLOSING DEVICES FOR ITS BARRELS,
IN ORDER TO SAVE TIME, SAVE COSTS AND
INCREASE EFFICIENCY.

Sportello automatico

Automatic lid





SPORTELLLO AUTOMATICO CHIUSURE PVDF | AUTOMATIC LID WITH PVDF CLIPS

*"ROBOT 3000" PER L'APERTURA/CHIUSURA AUTOMATICA DEGLI SPORTELLI CON CLIP IN PVDF |
"ROBOT 3000" FOR THE AUTOMATIC OPENING/CLOSING OF LIDS WITH PVDF CLIPS*

CARATTERISTICHE:

- NUOVA MECCANICA controllata da movimentazione OLEODINAMICA.
- Dimensioni compatte.
- Struttura in acciaio INOX AISI 304.
- AUTOMAZIONE INTEGRATA gestita da un PLC a bordo.
- 4 programmi preimpostati con possibilità di CUSTOMIZZAZIONE.
- PERSONALIZZAZIONE complete di struttura, hardware e software.

Prezzi su richiesta.

FEATURES:

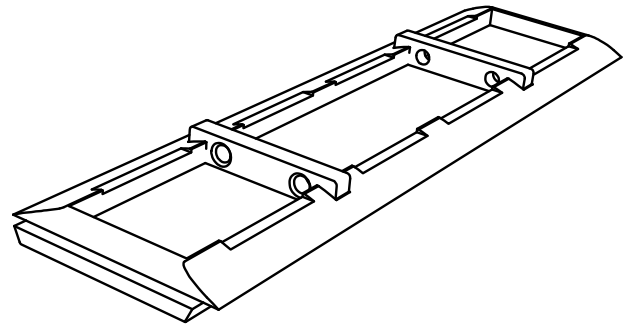
- *New MACHINERY led by HYDRAULIC movement.*
- *Compact dimensions.*
- *Stainless Steel frame AISI 304.*
- *INTEGRATED AUTOMATION handled by a PLC included in the machine.*
- *4 programmes and various speeds of operation that can be fully CUSTOMIZED.*
- *PERSONALIZATION of frame, hardware and software.*

Prices on request.



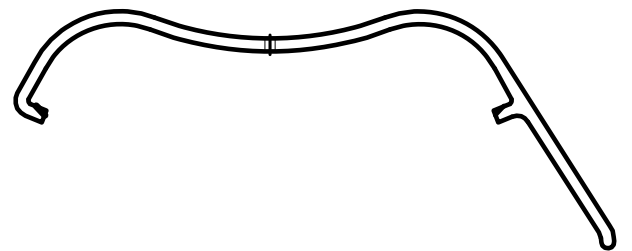
SPORTELLLO | LID

CODICE CODE	MODELLO MODEL
BA26-E1107	700/260
BA26-E1110	1000/260
BA32-E1107	700/320
BA32-E1110	1000/320
BA36-E1108	800/360
BA36-E1110	1000/360
BA36-E1112	1200/360
BA42-E1110	1000/420
BA42-E1112	1200/420
BA40-E1108	800/360-7
BA40-E1110	1000/360-7
BA40-E1112	1200/360-7
BA50-E1110	1000/420-7
BA50-E1112	1200/420-7
BA42-E1115	1500/420
BA50-E1115	1500/420-7



CHIUSURA | CLIP

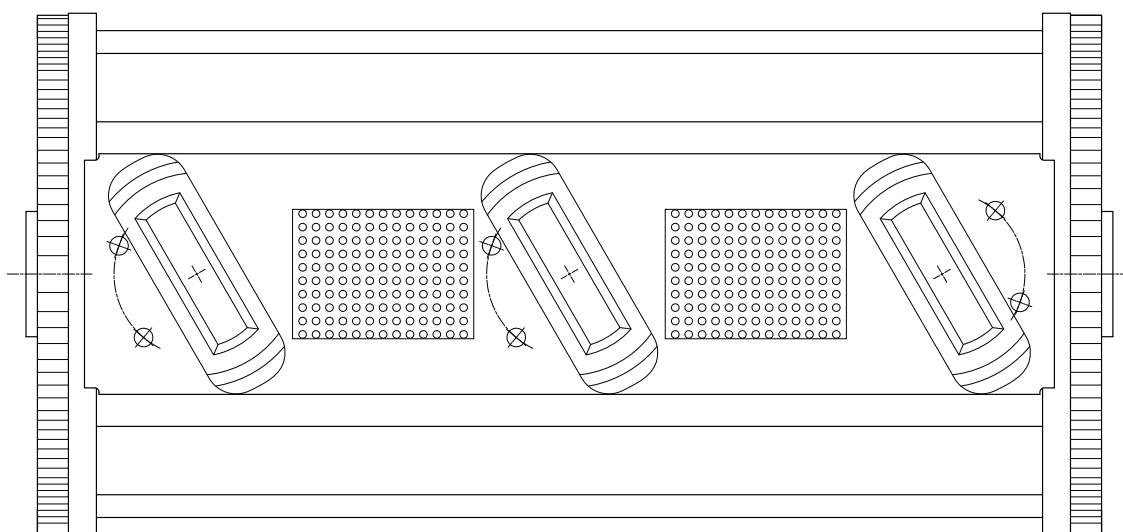
CODICE CODE	MODELLO MODEL
BA26CF20	700/260
BA26CF20	1000/260
BA32CF20	700/320
BA32CF20	1000/320
BA36CF20	800/360
BA36CF20	1000/360
BA36CF20	1200/360
BA42CF20	1000/420
BA42CF20	1200/420
BA40CF20	800/360-7
BA40CF20	1000/360-7
BA40CF20	1200/360-7
BA50CF20	1000/420-7
BA50CF20	1200/420-7



ROBOT E SPORTELLO AUTOMATICO CON MANIGLIE AUTOBLOCCANTI / ROBOT AND AUTOMATIC LID WITH SELF-LOCKING HANDLES

TIPOLOGIA DI SPORTELLO ADATTA PER BARILI DI GROSSA TAGLIA E PER CARICHI GRAVOSI. PROGETTATO PER LA GAMMA PROGALVANO OLTRE LA CHIAVE 420-7. LE CHIUSURE VENGONO RUOTATE DAL ROBOT DA UNA POSIZIONE "CHIUSA" AD UNA "APERTA".

A LID TYPE SPECIFIC FOR BIG BARRELS AND HEAVY LOADS. SPECIFICALLY DESIGNED FOR CYLINDERS LARGER THAN MODELS PROGALVANO 420-7. THE ROBOT ROTATES THE HANDLES AND SWITCH THEM FROM A "CLOSED" POSITION TO AN "OPEN" POSITION.





PP cylinders

Cilindri in PP

PP cylinders

TECNOLOGIA ED ESPERIENZA

Studiati per durare più a lungo e per esistere all'azione di sfregamento dei pezzi più pesanti, i cilindri in PP neutro costituiscono la prova tangibile della tecnologia Progalvano. Saldati per polifusione e prodotti tramite stampaggio a iniezione, questi cilindri (esagonali o ottagonali) hanno la capacità di rallentare l'occlusione dei fori e il processo di usura e abrasione. Questi cilindri con sportello ad uso manuale, vengono forniti con chiusure a molla in PVDF, ottime per proprietà meccaniche e resistenza chimica. Ogni cilindro viene marchiato e identificato da un numero seriale. Offriamo una gamma completa di perforazioni circolari e lamellari. Spessori possibili: 12, 15 e 20 mm.

TECHNOLOGY AND EXPERIENCE

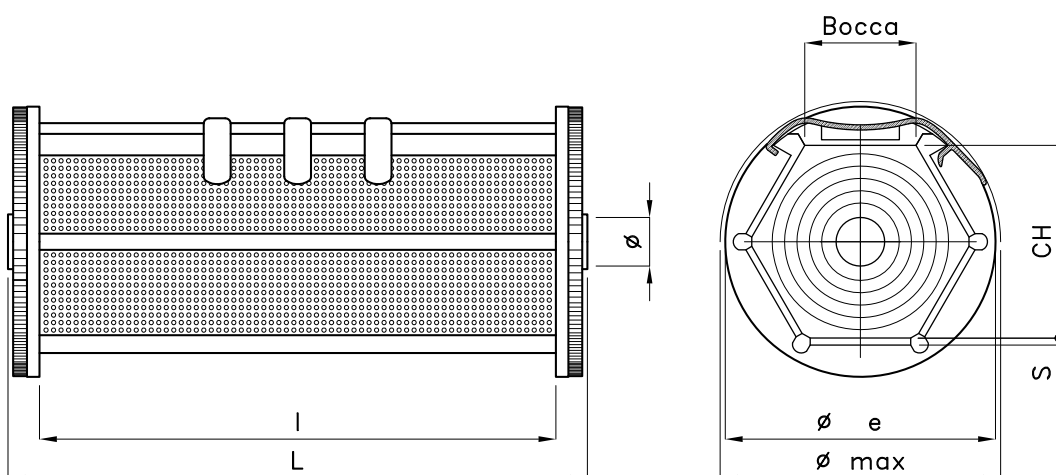
Designed to last longer and withstand the rubbing action of the heaviest pieces, the neutral PP cylinder is the tangible proof of Progalvano's higher-level technology. Welded by polyfusion and produced by injection moulding, our PP barrel can reduce the clogging of the panel perforations as well as the wear and abrasion process. These cylinders, having lids for manual using, is provided with PVDF clips that confer excellent mechanical properties and chemical durability. Each cylinder is marked and identified by a serial number. We offer a complete range of circular and slot perforations. Available thicknesses: 12, 15 and 20 mm.



CILINDRI | CYLINDER

GAMMA | RANGE

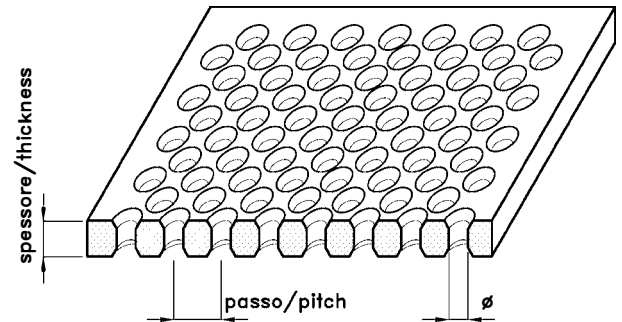
CODICE CODE	MODELLO MODEL	CH SW	SPESSORE THICKNESS	L	I	VOLUME	PORTATA LOAD	Ø	BOCCA	Ø		
n.				mm			dm³	kg	mm		e	max
B0526	500	260 Z60 M5,5	⬡	12	550	464	27	40	70,5	151	340	375
B0726	700	260 Z60 M5,5	⬡	12	750	664	39	50	70,5	151	340	375
B1026	1000	260 Z60 M5,5	⬡	12	1050	964	56	60	70,5	151	340	375
B0732	700	320 Z78 M5,5	⬡	12	750	644	55	70	70,5	183	441	450
B1032	1000	320 Z78 M5,5	⬡	12	1050	944	81	80	70,5	183	441	450
B0836	800	360 Z48 M10	⬡	12	850	735	79	80	90,5	204,5	504	504
B1036	1000	360 Z48 M10	⬡	12	1050	935	101	100	90,5	204,5	504	504
B1236	1200	360 Z48 M10	⬡	12	1250	1135	122	100	90,5	204,5	504	504
B0840	800	360-7 Z48 M10	⬡	12	850	732	111	90	90,5	204,5	543	570
B1040	1000	360-7 Z48 M10	⬡	12	1050	932	141	110	90,5	204,5	543	570
B1240	1200	360-7 Z48 M10	⬡	12	1250	1132	171	110	90,5	204,5	543	570
B1042	1000	420 Z56 M10	⬡	12	1050	930	140	140	90,5	240	583	605
B1242	1200	420 Z56 M10	⬡	12	1250	1130	170	140	90,5	240	583	605
B1050	1000	420-7 Z62 M10	⬡	12	1050	934	195	150	90,5	240	650	670
B1250	1200	420-7 Z62 M10	⬡	12	1250	1134	237	150	90,5	240	650	670
BM1042	1000	420/M Z56 M10	⬡	15-20	1050	930	140	220	90,5	240	583	605
BM1242	1200	420/M Z56 M10	⬡	15-20	1250	1130	170	220	90,5	240	583	605
BM1542	1500	420/M Z56 M10	⬡	15-20	1550	1430	215	200	90,5	240	583	605
BM1050	1000	420-7/M Z62 M10	⬡	15-20	1050	934	195	250	90,5	240	650	670
BM1250	1200	420-7/M Z62 M10	⬡	15-20	1250	1134	237	250	90,5	240	650	670
BM1550	1500	420-7/M Z62 M10	⬡	15-20	1550	1434	300	230	90,5	240	650	670
BM1060	1000	600/M Z82 M10	⬡	15-20	1050	958	295	400	121,5	346	840	840
BM1260	1200	600/M Z82M10	⬡	15-20	1250	1158	358	350	121,5	346	840	840
BM1560	1500	600/M Z82 M10	⬡	15-20	1550	1458	451	300	121,5	346	840	840
BM1067	1000	600-7/M Z82 M10	⬡	15-20	1050	958	310	450	121,5	300	840	840
BM1267	1200	600-7/M Z82 M10	⬡	15-20	1250	1158	375	400	121,5	300	840	840
BM1567	1500	600-7/M Z82 M10	⬡	15-20	1550	1458	473	350	121,5	300	840	840



PERFORAZIONI | PERFORATIONS

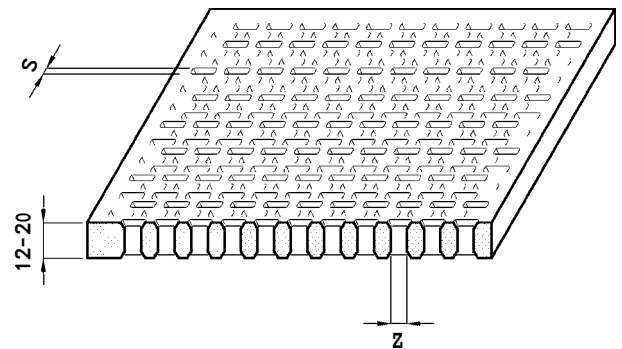
PERFORAZIONI CIRCOLARI | CIRCULAR PERFORATIONS

Ø	PASSO PITCH	SPESSORE THICKNESS	FORATURA EMPTY SPACE
mm	mm	mm	%
1,5	3,3	6-8-10	19
2	4,5	8-12-15	15
2,5	5,5	8-12-15	18
3	6,5	12-15-20	17
3,5	7,5	12-15-20	17
4	8,5	12-15-20	18
5	11,5	12-15-20	15
6	13,4	12-15-20	16
8	15	12-15-20	23



PERFORAZIONI LAMELLARI | SLOT PERFORATIONS

MISURE SIZE	S	SPESSORE THICKNESS	FORATURA EMPTY SPACE
mm	mm	mm	%
1,2 × 5,5	1,2	12-15	17
1,8 × 5,5	1,8	12-15	15
2,4 × 7,3	2,4	12-20	18
3,4 × 9,7	3,4	12-20	18



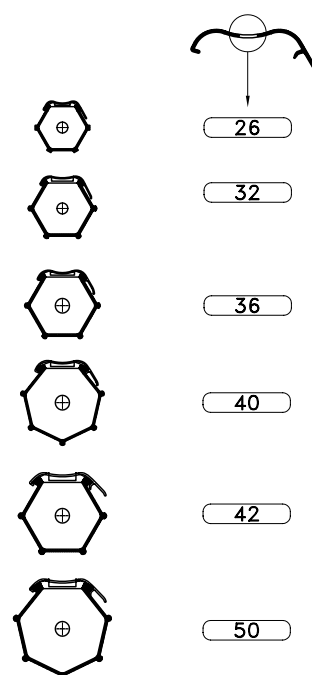
Numero seriale marcato sul cilindro.
Serial number marked on the cylinder.



CHIUSURE | LOCKS

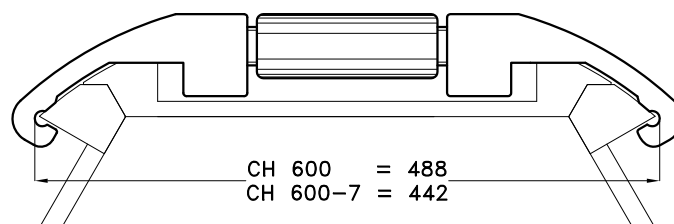
CHIUSURA A MOLLA IN PVDF | CLIPS IN PVDF LOCK

CODICE CODE	MODELLO MODEL	CHIAVE SW
n.		
SB26-F20	26	260
SB32-F20	32	320
SB36-F20	36	360
SB40-F20	40	360-7
SB42-F20	42	420
SB50-F20	50	420-7



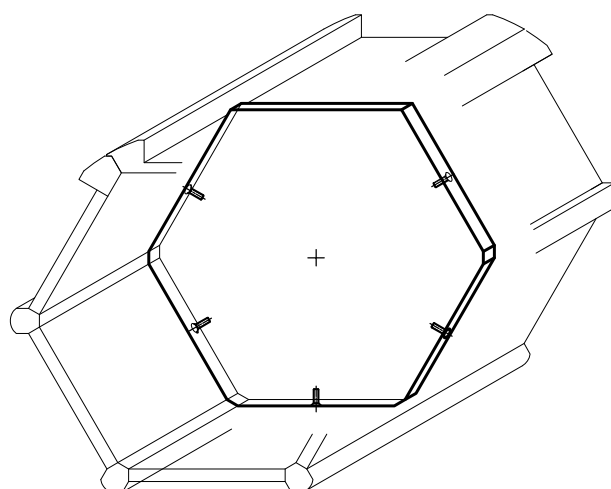
CHIUSURA A BRACCI CONTRAPPOSTI | LOCK WITH OPPOSING ARMS

CODICE CODE	CHIAVE SW
n.	
LB60-F20	600
LB67-F20	600-7



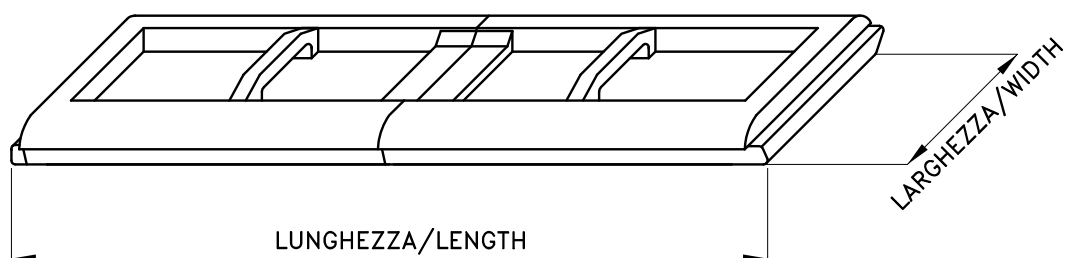
PARATIE | PARTITION WALLS

CODICE CODE	MODELLO MODEL
n.	
B26-D10	260
B32-D10	320
B36-D10	360
B42-D10	420
B40-D10	360-7
B50-D10	420-7



COPPIA DI SPORTELLI | PAIR OF LIDS

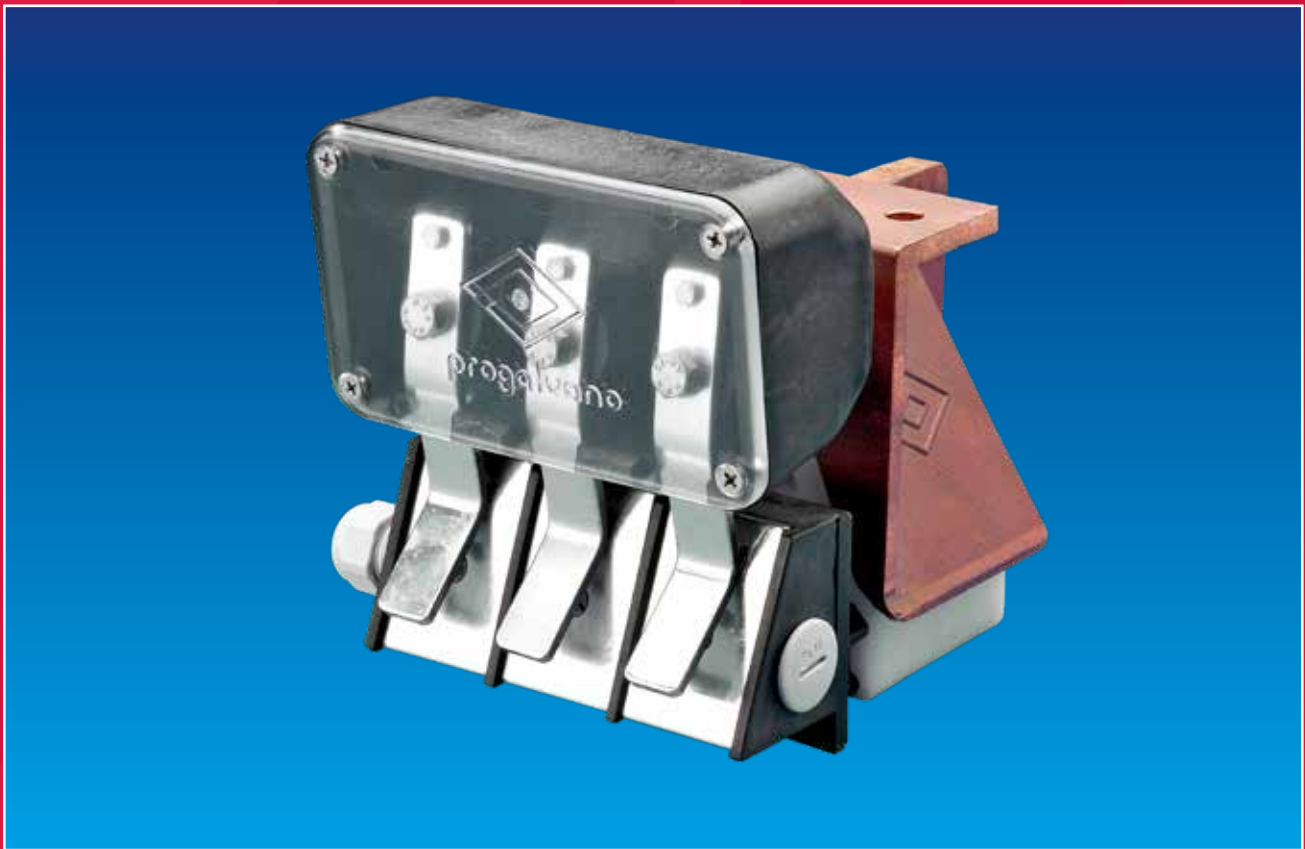
CODICE CODE	MODELLO MODEL	LUNGHEZZA LENGTH	LARGHEZZA WIDTH
n.		mm	mm
B26-E11B05	500/260	462	151
B26-E11B07	700/260	662	151
B26-E11B10	1000/260	962	151
B32-E11B07	700/320	650	183
B32-E11B10	1000/320	950	183
B36-E11B08	800/360	730	204,5
B36-E11B10	1000/360	930	204,5
B36-E11B12	1200/360	1130	204,5
B42-E11B10	1000/420	934	240
B42-E11B12	1200/420	1134	240
B42-E11B15	1500/420	1434	240
B60-E11B10	1000/600	975	346
B60-E11B12	1200/600	1175	346
B60-E11B15	1500/600	1475	346
B40-E11B08	800/360-7	730	204,5
B40-E11B10	1000/360-7	930	204,5
B40-E11B12	1200/360-7	1130	204,5
B50-E11B10	1000/420-7	934	240
B50-E11B12	1200/420-7	1134	240
B50-E11B15	1500/420-7	1434	240
B67-E11B10	1000/600-7	975	300
B67-E11B12	1200/600-7	1175	300
B67-E11B15	1500/600-7	1475	300



ricambi &
accessori
spare parts
& fittings

Ricambi & accessori

Spare parts & fittings





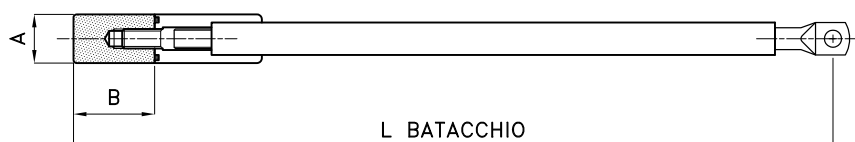
CONTATTI CATODICI A BATAACCHIO | *DANGLER CATHODE CONTACTS*

GAMMA | RANGE

CODICE CODE	LUNGHEZZA BATAACCHIO DANGLER LENGTH	SEZIONE CU COPPER SECTION	CAVO CABLE	TESTA OTTONE BRASS HEAD
n.	mm	mm ²	Ø mm	mm
BT50060	600	50	20	30 × 50
BT50065	650	50	20	30 × 50
BT50070	700	50	20	30 × 50
BT50075	750	50	20	30 × 50
BT50080	800	50	20	30 × 50
BT50085	850	50	20	30 × 50
BT50090	900	50	20	30 × 50
BT50095	950	50	20	30 × 50
BT50100	1000	50	20	30 × 50
BTU12070	700	120	27	40 × 60
BTU12075	750	120	27	40 × 60
BTU12080	800	120	27	40 × 60
BTU12085	850	120	27	40 × 60
BTU12090	900	120	27	40 × 60
BTU12095	950	120	27	40 × 60
BTU12100	1000	120	27	40 × 60
BTU12105	1050	120	27	40 × 60
BTU12110	1100	120	27	40 × 60
BTU12115	1150	120	27	40 × 60
BTU12120	1200	120	27	40 × 60
BT18090	900	180	31	40 × 80
BT18095	950	180	31	40 × 80
BT18100	1000	180	31	40 × 80
BT18105	1050	180	31	40 × 80
BT18110	1100	180	31	40 × 80
BT18115	1150	180	31	40 × 80
BT18120	1200	180	31	40 × 80
BT30110	1100	300	36	40 × 130
BT30120	1200	300	36	40 × 130
BT30130	1300	300	36	40 × 130

DIMENSIONI CONSIGLIATE | *RECOMMENDED SIZES*

MODELLO MODEL	BATAACCHIO RIF. REF. DANGLER
ROTOR EXPORT 2000	
500/260	50 mm ² /L=650
700/260	50 mm ² /L=700
1000/260	50 mm ² /L= 800
700/320	120 mm ² /L= 800
1000/320	120 mm ² /L=850
800/360	120 mm ² /L=850
1000/360	120 mm ² /L=900
1200/360	120 mm ² /L=950
800/360-7	120 mm ² /L=850
1000/360-7	120 mm ² /L=900
1200/360-7	120 mm ² /L=950
1000/420	120 mm ² /L=950
1200/420	120 mm ² /L=1000
1500/420	180 mm ² /L=1050
1000/420-7	120 mm ² /L=1000
1200/420-7	120 mm ² /L=1050
1500/420-7	180 mm ² /L=1100
1000/600	300mm ² /L= 1100
1200/600	300mm ² /L= 1200
1500/600	300mm ² /L= 1300
1000/600-7	300mm ² /L=1100
1200/600-7	300mm ² /L=1200
1500/600-7	300mm ² /L=1300



TESTE | HEADS

CODICE CODE	MATERIALE MATERIAL	SEZIONE CU CU SECTION	DIM. TESTA HEAD DIMENSION
n.		mm ²	mm
LURB-80A	OTTONE BRASS	50	30 × 50
LURBF80A	FERRO IRON	50	30 × 50
LURBX80A	INOX STAINLESS STEEL	50	30 × 50
LURBC80A	RAME COPPER	50	30 × 50
LURB-81A	OTTONE BRASS	120	40 × 60
LURBF81A	FERRO IRON	120	40 × 60
LURBX81A	INOX STAINLESS STEEL	120	40 × 60
LURBC81A	RAME COPPER	120	40 × 60
LURB-83A	OTTONE BRASS	180	40 × 80
LURBF83A	FERRO IRON	180	40 × 80
LURBX83A	INOX STAINLESS STEEL	180	40 × 80
LURBC83A	RAME COPPER	180	40 × 80
LURB-86A	OTTONE BRASS	300	40 × 130
LURBF86A	FERRO IRON	300	40 × 130
LURBX86A	INOX STAINLESS STEEL	300	40 × 130
LURBC86A	RAME COPPER	300	40 × 130



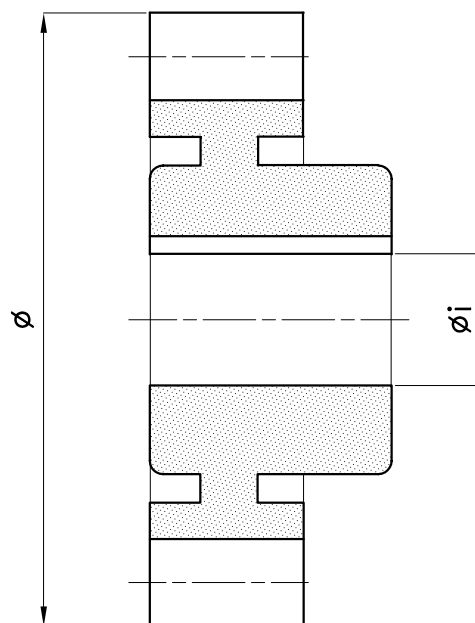
MOTORIDUTTORI E PIGNONI | GEAR MOTORS AND PINIONS

MOTORIDUTTORI | GEAR MOTORS

COMPONENTE COMPONENT	CODICE CODE
MINIROTOR	
MOTORIDUTTORE SEW 0,09KW 27 GIRI SEW GEAR MOTOR 0,09KW 27RPM	MR56-W100
MOTORIDUTTORE SEW 0,09KW 18 GIRI SEW GEAR MOTOR 0,09KW 18 RPM	MR56-W105
MOTORIDUTTORE 65W 25 GIRI 12V CC GEAR MOTOR 65W 25RPM 12V DC	MR-30PM65W
ROTOR 260 - 320	
MOTORIDUTTORE SEW 0,18KW 25GIRI GEAR MOTOR SEW 0,18KW 25RPM	MR63-W100
MOTORIDUTTORE SEW 0,18KW 15GIRI GEAR MOTOR SEW 0,18KW 15RPM	MR63-W105
ROTOR 360 - 420/7	
MOTORIDUTTORE SEW 0,37KW 25GIRI GEAR MOTOR SEW 0,37KW 25RPM	MR71-W100
MOTORIDUTTORE SEW 0,37KW 16GIRI GEAR MOTOR SEW 0,37KW 16RPM	MR71-W105
MOTORIDUTTORE SEW 0,55KW 25GIRI GEAR MOTOR SEW 0,55KW 25RPM	MR80-W100
A RICHIESTA MOTORIDUTTORI SEW R37 A 2 VELOCITA' E MOTORIDUTTORI FA27 E FA37 SEW GEAR MOTORS R37 DOUBLE SPEED AND SEW FA27 /FA37 ALSO AVAILABLE	
COMMUTATORE CABLATO E MONTATO INVERTER 16A COMPLETE	CR0000110
SALVAMOTORE COMPLETE MOTOR PROTECTION	CR00100

PIGNONI | PINIONS

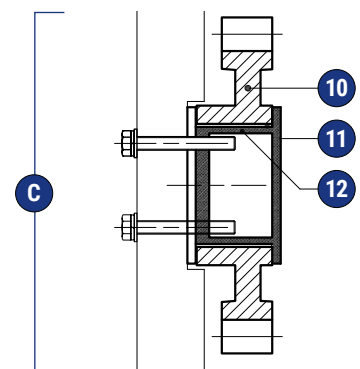
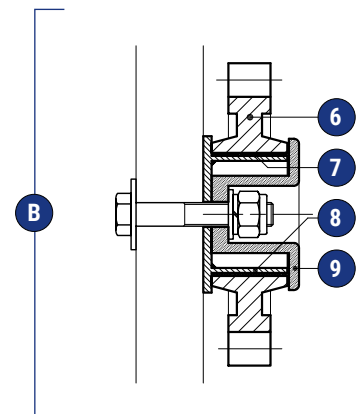
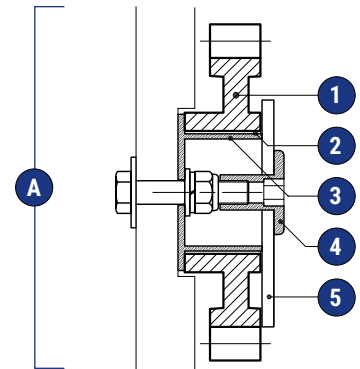
CODICE CODE	MATERIALE MATERIAL	Z	M	Ø	Ø i
n.		mm			
URB2E30D30	PE	20	5,5	121	30
URB2E30D25	PE	20	5,5	121	25
2URBE30D30	PE	12	10	140	30
2URBE30D25	PE	12	10	140	25
2URBV30D30	PVDF	12	10	140	30
URBE30D25	PE	14	5,5	88	25
URBE30A25	PP	8	10	100	25
URBE30B25	PP	10	10	120	25



GRUPPO INGRANAGGIO INTERMEDIO | INTERMEDIATE GEAR UNIT

GAMMA | RANGE

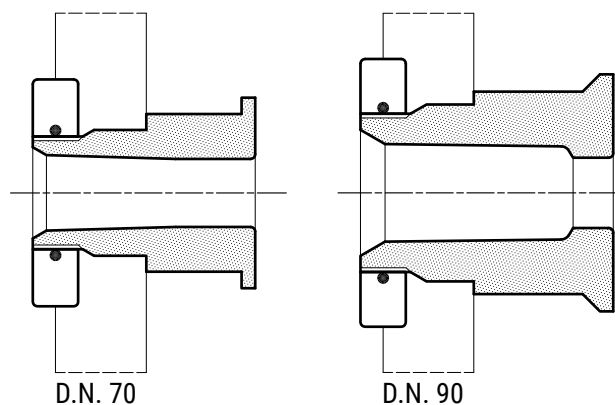
POS.	COMPONENTE COMPONENT	CODICE CODE
ROTOR 2000		
A	INGRANAGGIO COMPLETO Z34 M5,5 COMPLETE GEAR Z34 M5.5	URB2E90C
A	INGRANAGGIO COMPLETO Z18 M10 COMPLETE GEAR Z18 M10	URB2E90D
1	INGRANAGGIO Z34 M5,5 GEAR Z34 M5.5	ZURBE90C
1	INGRANAGGIO Z18 M10 GEAR Z18 M10	ZURB2E90D
2	RULON ANTIFRICTION	LCR226200
3	MOZZO INOX S.S. HUB	LURB-90A
4	GHIERA FISSAGGIO CARTER PROTECTION FIXING RING	SURB2-90B
5	CARTER PROTEZIONE INTERMEDIO GEAR PROTECTION	SURB2-52
ROTOR		
B	INGRANAGGIO COMPLETO Z34 M5,5 COMPLETE GEAR Z34 M5.5	URBE90C
B	INGRANAGGIO COMPLETO Z16 M10 COMPLETE GEAR Z16 M10	URBE90E
B	INGRANAGGIO COMPLETO Z18 M10 COMPLETE GEAR Z18 M10	URBE90D
6	INGRANAGGIO Z34 M5,5 GEAR Z34 M5.5	ZURBE90C
6	INGRANAGGIO Z16 M10 GEAR Z16 M10	ZURBE90E
6	INGRANAGGIO Z18 M10 GEAR Z18 M10	ZURBE90D
7	RULON ANTIFRICTION	LCR226200
8	MOZZO INOX S.S. HUB	LURB-90A
9	FLANGIA IN PP PP FLANGE	SURB-90B
ROTOR EXPORT 2000 M		
C	INGRANAGGIO COMPLETO Z18 M10 PVDF COMPLETE GEAR Z18 M10 PVDF	URB2V90D
C	INGRANAGGIO COMPLETO Z25 M10 PVDF COMPLETE GEAR Z25 M10 PVDF	URB2V90G
C	INGRANAGGIO COMPLETO Z25 M10 PE COMPLETE GEAR Z25 M10 PE	URB2E90G
10	INGRANAGGIO Z18 M10 PVDF GEAR Z18 M10 PVDF	ZURB2V90D
10	INGRANAGGIO Z25 M10 PVDF GEAR Z25 M10 PVDF	ZURB2V90G
10	INGRANAGGIO Z25 M10 PE GEAR Z25 M10 PE	ZURB2E90G
11	RULON ANTIFRICTION	LCR226200
12	MOZZO INOX RINFORZATO S.S. REINFORCED HUB	LURB-90F



MOZZI | HUBS

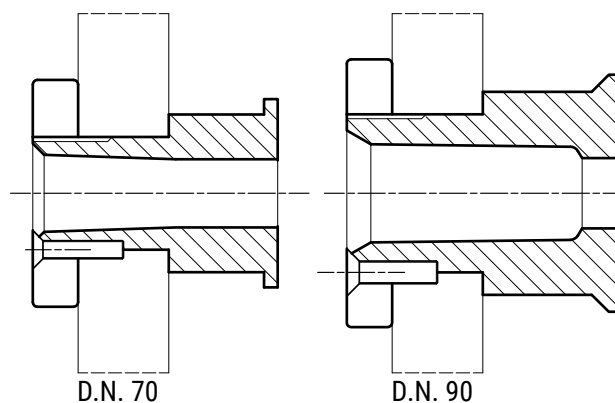
MOZZI AUTOBLOCCANTI | SELF-LOCKING HUBS

CODICE CODE	MODELLO MODEL	MATERIALE MATERIAL
ROTOR 2000		
URB2-20A	D.N. 70	PE
URB2V20A	D.N. 70	PVDF
URB2-20B	D.N. 90	PE
URB2V20B	D.N. 90	PVDF



MOZZI FILETTATI | THREADED HUBS

CODICE CODE	MODELLO MODEL	MATERIALE MATERIAL
ROTOR		
URB-20A	D.N. 70	PE
URB-20B	D.N. 90	PE

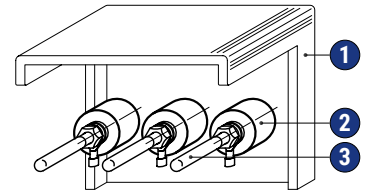


Mozzi speciali su richiesta.
Special hubs on request.

MORSETTIERE | PICK-UP CONTACTS

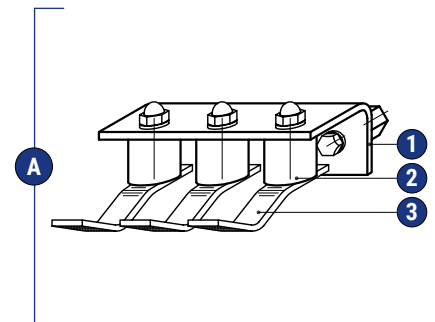
MORSETTIERA AEREA | HOIST PICK-UP CONTACT

POS.	COMPONENTE COMPONENT	CODICE CODE
1	PROTEZIONE MORSETTIERA AEREA PROTECTION FOR HOIST PICK-UP	SURB2-54
2	ANTIVIBRANTE 30×30 ANTIVIBRATION 30×30	SURB-24A
3	PERNO DI CONTATTO CONTACT PIN	LURB-70A
2+3	CONTATTO COMPLETO COMPLETE CONTACT	URB-70



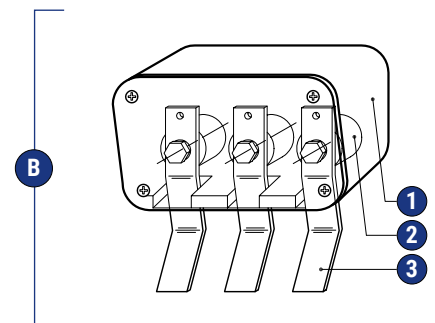
MORSETTIERA FLEX A CUCCHIAINO | PICK-UP CONTACT FLEXIBLE SPOON

POS.	COMPONENTE COMPONENT	CODICE CODE
A	MORSETTIERA COMPLETA COMPLETE PICK-UP CONTACT	URB-74
1	PIASTRA INOX S.S. PLATE	LURB-71A
2	ANTIVIBRANTE 30×30 ANTIVIBRATION 30×30	SURB-24A
3	CUCCHIAINO CU COPPER SPOON	LURB-71C
2+3	CONTATTO COMPLETO COMPLETE CONTACT	URB-71C



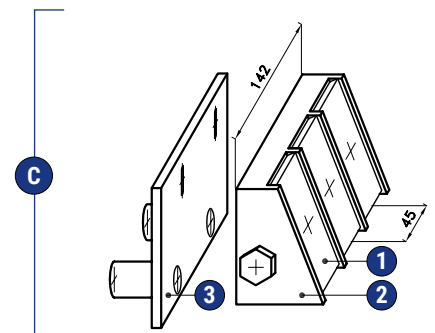
MORSETTIERA ROTOR EXPORT | ROTOR EXPORT PICK-UP CONTACT

POS.	COMPONENTE COMPONENT	CODICE CODE
B	MORSETTIERA COMPLETA COMPLETE PICK-UP CONTACT	URB-71
1	CORPO MORSETTIERA PICK-UP BODY	SURB-71A
2	ANTIVIBRANTE 30×30 ANTIVIBRATION 30×30	SURB-24A
3	CUCCHIAINO CU COPPER SPOON	LURB-71C
2+3	CONTATTO COMPLETO COMPLETE CONTACT	URB-71C



MORSETTIERA VASCA (INTERASSE 45 mm) | PICK-UP FOR TANK (DISTANCE 45 mm)

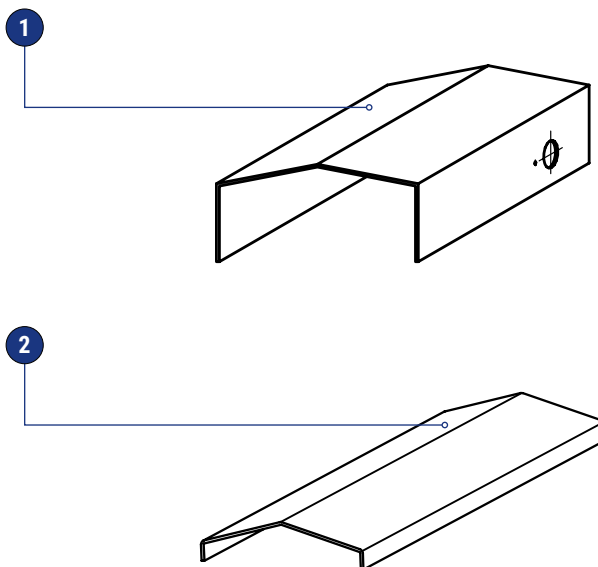
POS.	COMPONENTE COMPONENT	CODICE CODE
C	MORSETTIERA COMPLETA INT. 45 mm COMPLETE PICK-UP CONTACT DIST. 45 mm	AV-201
1	PIASTRINA CU COPPER PLATE	LAV-201A
2	CORPO PP PP BODY	SAV-201B
3	PIASTRA SUPPORTO - PP PP SUPPORT PLATE	SAV-201C
3	PIASTRA SUPPORTO - INOX S.S. SUPPORT PLATE	LAV-201D



CARTER E SPALLE | *PROTECTIVE HOODS AND UPRIGHTS*

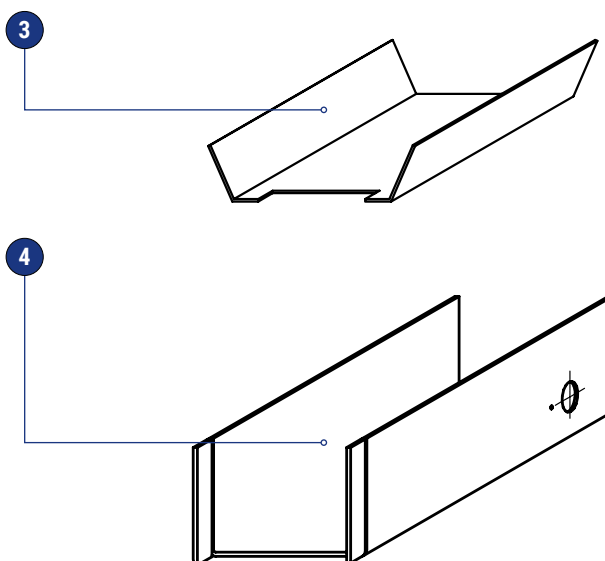
CARTER SUPERIORE | *UPPER PROTECTIVE HOOD*

POS.	CODICE CODE	MODELLO MODEL
ROTOR		
1	LURB-50A07	700
1	LURB-50A08	800
1	LURB-50A10	1000
1	LURB-50A12	1200
1	LURB-50B05	500/260
1	LURB-50B07	700/260
ROTOR 2000		
2	LURB2-50A07	700
2	LURB2-50A08	800
2	LURB2-50A10	1000
2	LURB2-50A12	1200
2	LURB2-50A15	1500



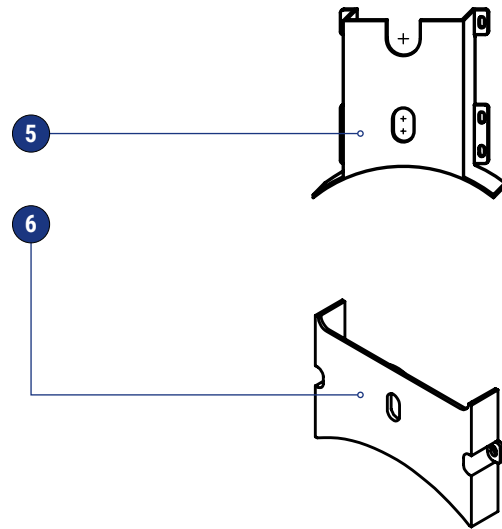
CARTER INFERIORE | *LOWER PROTECTIVE HOOD*

POS.	CODICE CODE	MODELLO MODEL
ROTOR		
3	LURB-5107	700
3	LURB-5108	800
3	LURB-5110	1000
3	LURB-5112	1200
ROTOR 2000		
4	LURB2-5107	700
4	LURB2-5108	800
4	LURB2-5110	1000
4	LURB2-5112	1200
4	LURB2-5115	1500



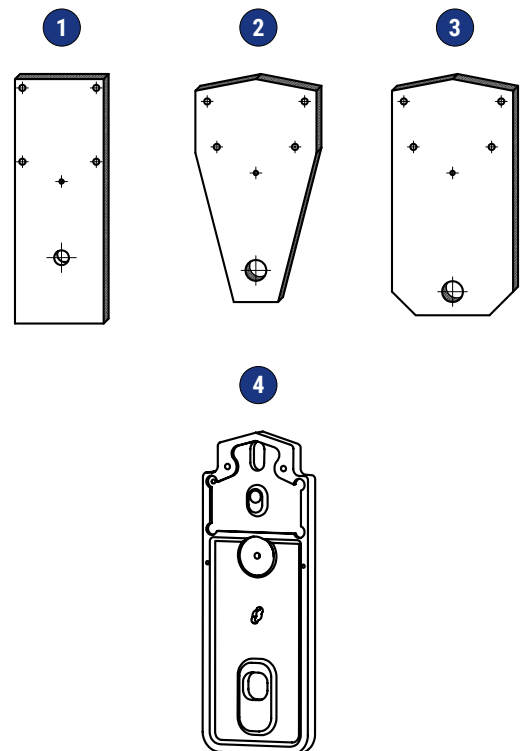
CARTER PROTEZIONE INTERMEDIO | PROTECTIVE HOOD FOR INTERMEDIATE GEAR

POS.	CODICE CODE	MODELLO MODEL
ROTOR		
5	SURB-52	260; 320; 360; 360/7; 420; 420/7
ROTOR 2000		
6	SURB2-52	260; 320; 360; 360/7; 420; 420/7



SPALLE | UPRIGHTS

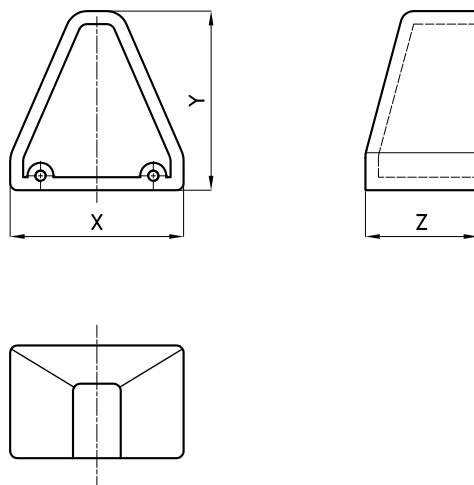
POS.	CODICE CODE	MODELLO MODEL
ROTOR		
1	LRX26-10	260
2	SRX00-10	320; 360; 360/7; 420
3	LRX50-10	420/7
ROTOR 2000		
4	SR2000-10	260; 320; 360; 360/7; 420; 420/7
4	LR2000-10	600; 600/7



CUNEI PER VASCA | WEDGES FOR TANK

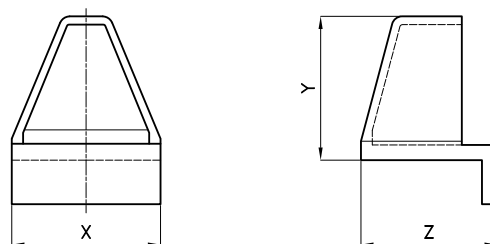
CUNEI IN PE | PE WEDGES

CODICE CODE	MODELLO MODEL	X	Y	Z
n.		mm		
SAV-101A	500	68	87	55
SAV-102A	1000	98	127	77
SAV-103A	2000	120	124	78



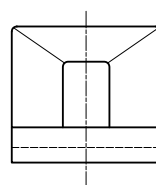
CUNEI IN OTTONE | BRASS WEDGES

CODICE CODE	MODELLO MODEL	X	Y	Z
n.		mm		
FAVO101	500	67	80	70
FAVO102	1000	98	114	107
FAVO103	2000	118	108	106



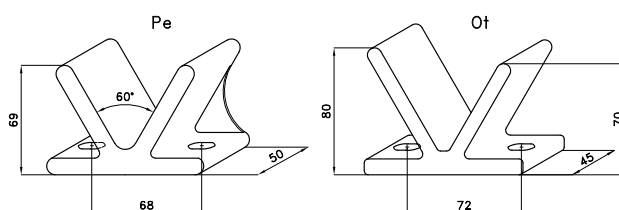
CUNEO IN RAME 98% | 98% CU WEDGE

CODICE CODE	MODELLO MODEL	X	Y	Z
n.		mm		
FAVC103	2000	118	108	106



SUPPORTI A "V" | "V" SUPPORTS

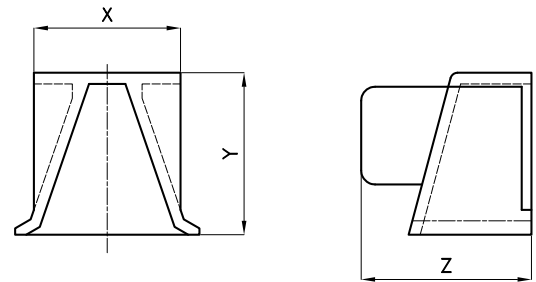
CODICE CODE	MATERIALE MATERIAL
FAV0001	OTTONE BRASS
SAV-001A	PE



SUPPORTI A CAMPANA | BELL SUPPORTS

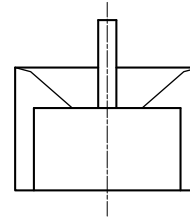
CAMPANE IN OTTONE | BRASS BELLS

CODICE CODE	MODELLO MODEL	X	Y	Z
n.		mm		
FURBO12A	500	77	87	88
FURBO12B	1000	105	116	122
FURBO12C	2000	134	120	125



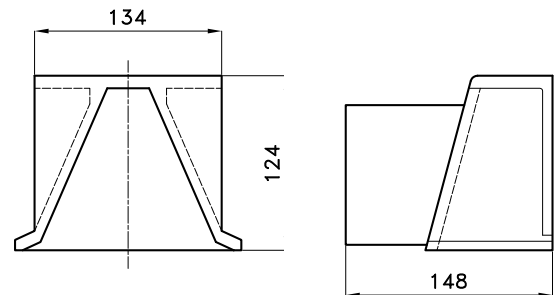
CAMPANA IN RAME | CU BELL

CODICE CODE	MODELLO MODEL	X	Y	Z
n.		mm		
FAVC12C	2000	134	120	125

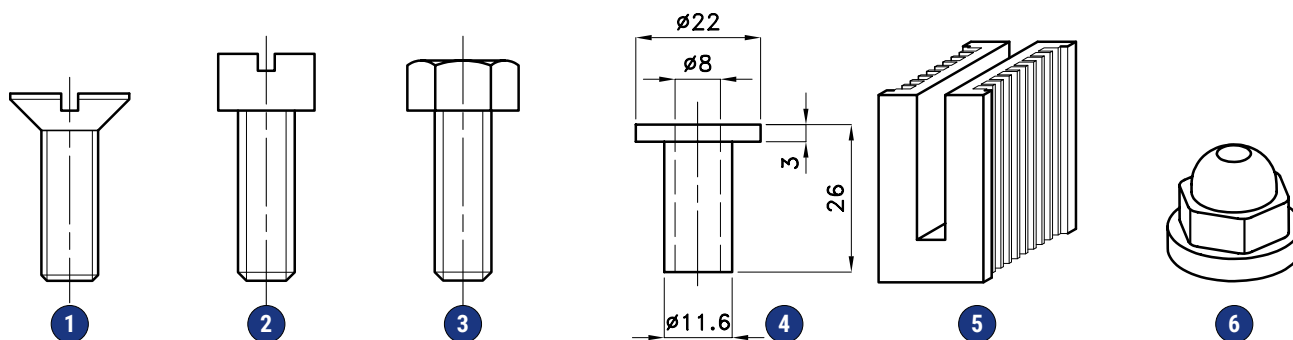


CAMPANE PER BARRA | BELLS FOR BAR

CODICE CODE	MODELLO MODEL	MATERIALE MATERIAL
FAVO121	2000	OTTONE STAGNATO TINNED BRASS
FAVC121	2000	RAME 98% COPPER 98%



VITI | SCREWS



VITE T.S. IN PVDF | SCREW T.S. IN PVDF

TIPO TYPE	CODICE CODE	DIMENSIONE DIMENSION
n.		mm
1	V61090840	8 × 40
1	V61091022	10 × 22
1	V61091032	10 × 32
1	V61091040	10 × 40

ISOLATORI | INSULATING PARTS

TIPO TYPE	CODICE CODE	COMPONENTE COMPONENT
4	SAV-203D	BUSSOLAISOLANTE INSULATING BUSH
5	SAV-210	SUPPORTO ISOLANTE PER BARRA INSULATING SUPPORT FOR BAR

DADO AD OGIVA IN INOX + PVDF | NUT IN S.S. + PVDF

TIPO TYPE	CODICE CODE	DIMENSIONE DIMENSION
6	V57210006	M 6
6	V57210008	M 8
6	V57210010	M 10

VITE T.C. IN PVDF | SCREW T.C. IN PVDF

TIPO TYPE	CODICE CODE	DIMENSIONE DIMENSION
n.		mm
2	(PVDF) V00841030	10 × 30
2	(PVDF) V00841050	10 × 50
2	(PE) E00841645	16 × 45
2	(PE) E00841660	16 × 60

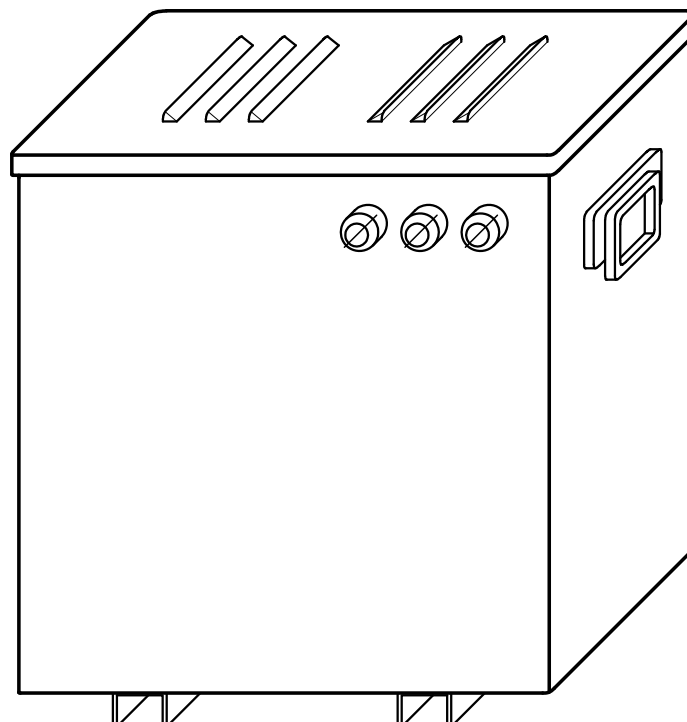
VITE T.E. IN PVDF | SCREW T.E. IN PVDF

TIPO TYPE	CODICE CODE	DIMENSIONE DIMENSION
n.		mm
3	V57390825	8 × 25
3	V57391020	10 × 20
3	V57391030	10 × 30
3	V57391040	10 × 40

TRASFORMATORI TRIFASE | THREE-PHASE TRANSFORMERS

TRASFORMATORI TRIFASE | THREE-PHASE TRANSFORMERS

CODICE CODE	VOLT ENTRATA VOLT IN	VOLT USCITA VOLT OUT	POTENZA POWER
n.	V		KW
AV2400005	380	24	0,5
AV4200005	380	42	0,5
AV2400010	380	24	1
AV4200010	380	42	1
AV2400020	380	24	2
AV4200020	380	42	2
AV2400030	380	24	3
AV4200030	380	42	3
AV2400040	380	24	4
AV4200040	380	42	4
AV2400060	380	24	6
AV4200060	380	42	6
AV2400100	380	24	10
AV4200100	380	42	10
AV2400150	380	24	15
AV4200150	380	42	15





minirotor

Minirotor

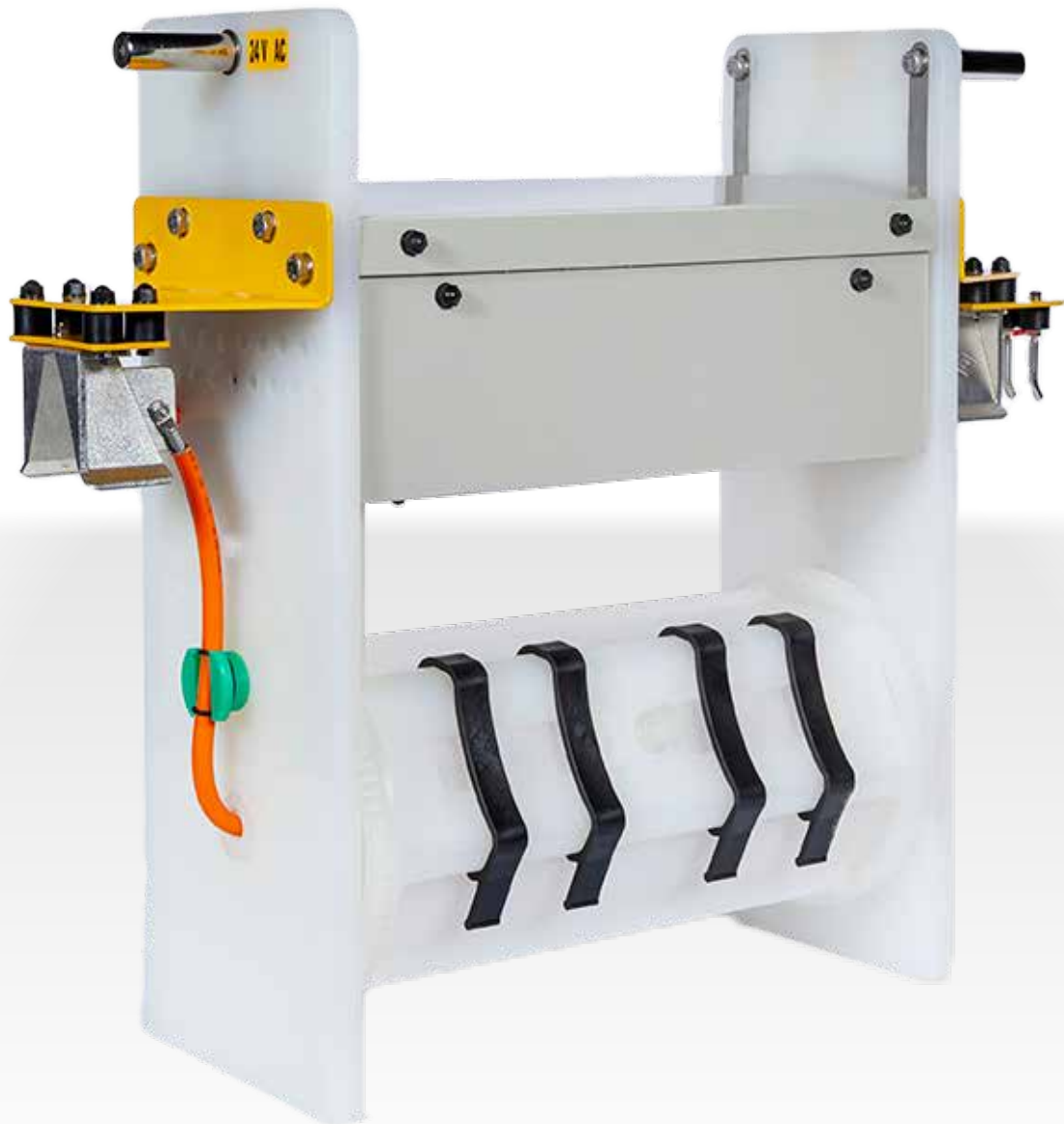


TECNOLOGIA ED ESPERIENZA

Tutta la tecnologia Progalvano è sintetizzata nei Minirotor: macchine studiate per la produzione di piccole partite e campionature. Oltre ad un'ampia scelta di perforazioni (circolari, a rete, lamellare), la gamma standard dei Minirotor prevede cilindri esagonali ed ettagonali con 2 differenti chiavi (135-220) e 5 possibilità di lunghezze.

TECHNOLOGY AND EXPERIENCE

Progalvano's entire technology can be summed up by its Minirotor: specific equipment designed for producing small lots and samplings. Besides a wide choice of panel perforations (circular, mesh, slot), our standard range of Minirotor includes hexagonal and heptagonal cylinders having 2 different thicknesses on flat (135-220) and 5 lengths available.



MINIROTOR PORTATILE CC 12V | PORTABLE MINIROTOR DC 12V

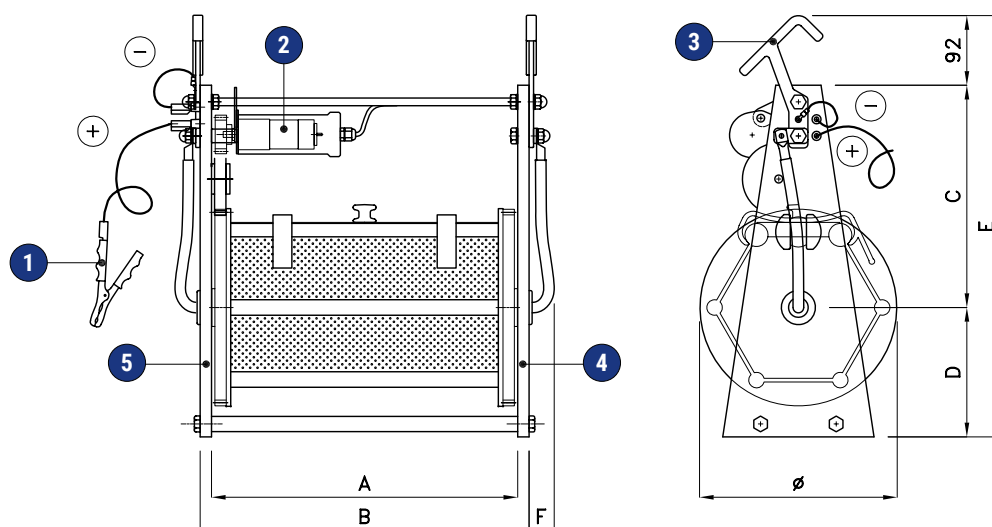


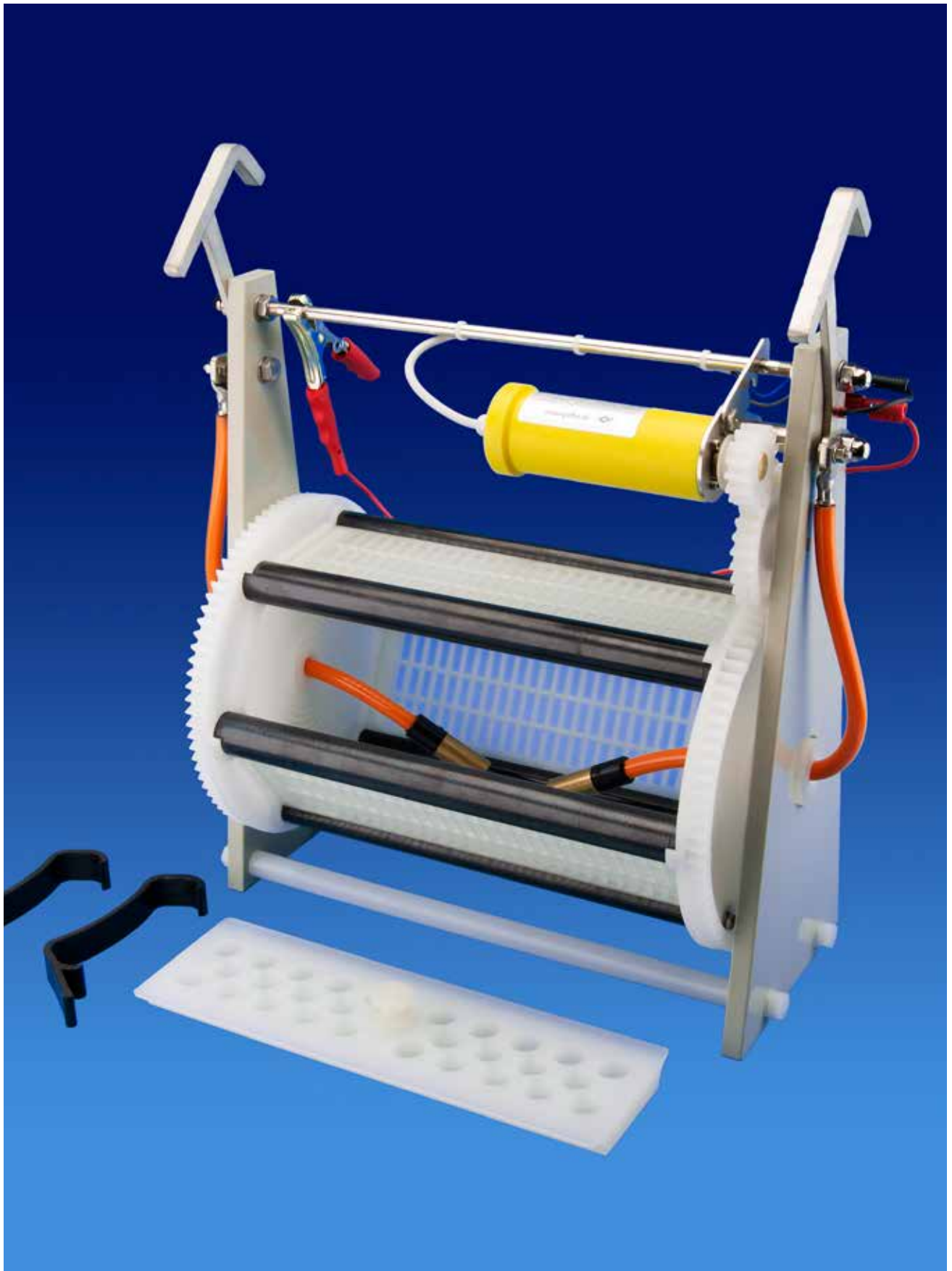
GAMMA | RANGE

CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	BATACCHI DANGLERS	PESO WEIGHT	MOD.	A	B	C	D	E	Ø
n.		mm	dm³	kg	mm²	kg	mm						
SOLO SPORTELLLO FRONTALE + CLIPS PVDF ONLY FRONTAL DOOR + CLIPS IN PVDF													
MP1013	100/135	4	1,5	1,5	16	4	100	155	185	241	129	462	190
MP2013	200/135	4	3	3	16	4,5	200	255	285	241	129	462	190
MP2513	250/135	4	3,8	3,5	16	5	250	305	335	241	129	462	190
MP3722	370/220	4	10,5	6	25	7	370	405	435	294	171	557	260
MP4722	470/220	4	13,5	8	25	8	470	505	535	294	171	557	260
MP3722-7	370/220-7	4	15	8	25	7	370	405	435	294	171	557	295
MP4722-7	470/220-7	4	19	10	25	8	470	505	535	294	171	557	295

RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
1	PINZA A COCCODRILLO ALLIGATOR CLIP	UMR-14A
2	MOTORIDUTTORE EPICICLOIDALE 12V CC GEAR DRIVE MOTOR 12V DC	MR-E192
3	GANCIO PER BARRA CATODICA HOOK FOR CATHODIC BAR	UMR026
4	SPALLA SEMPLICE MOD. 135 SIMPLE UPRIGHTS MOD. 135	LMP13-10
4	SPALLA SEMPLICE MOD. 220 SIMPLE UPRIGHTS MOD. 220	LMP22-10
5	SPALLA LATO TRASMISSIONE MOD. 135 TRANSMISSION SIDE UPRIGHTS MOD. 135	LMP13-10A
5	SPALLA LATO TRASMISSIONE MOD. 220 TRANSMISSION SIDE UPRIGHTS MOD. 220	LMP22-10A





MINIROTOR 2000



GAMMA | RANGE

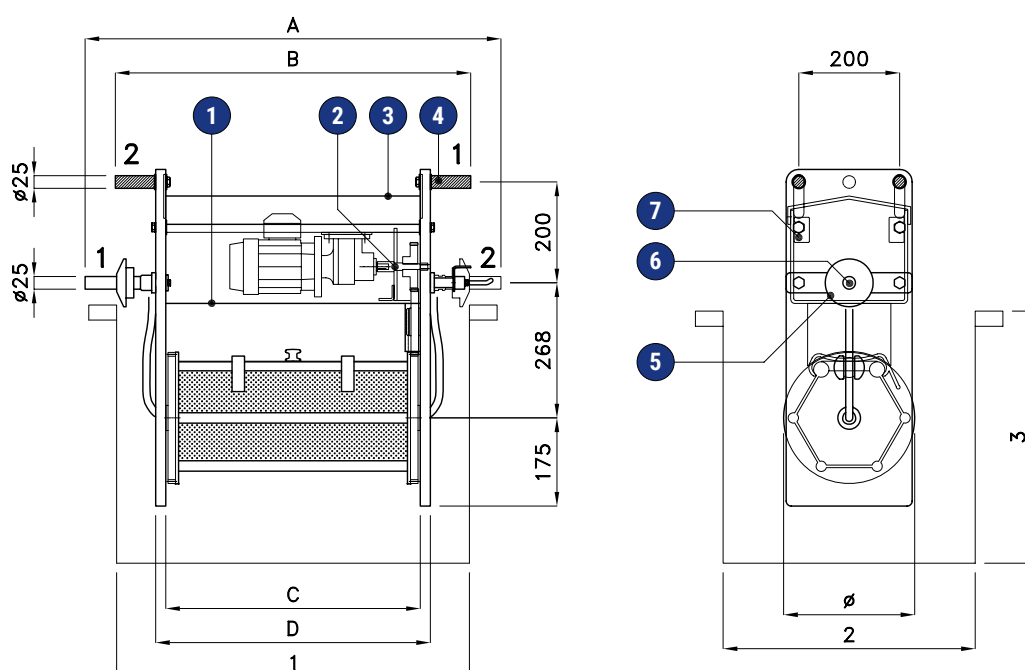
CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	BATACCHI DANGLERS	POTENZA MOTORI MOTOR POWER	PESO WEIGHT	A	B	C	D	Ø
n.		mm	dm ³	kg	mm ²	kW	kg	mm				
M23722	370/220	4	10,5	10	25	0,09	32	725	605	405	445	260
M24722	470/220	4	13,5	15	25	0,09	33	825	705	505	545	260
M23722-7	370/220-7	4	15	15	25	0,09	33	725	605	405	445	295
M24722-7	470/220-7	4	19	20	25	0,09	34	825	705	505	545	295

VASCHE | TANKS

MODELLO MODEL	1	2	3
n.	mm		
370/220	600	500	500
470/220	700	500	500

RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
1	CARTER INFERIORE <i>LOW PROTECTIVE HOOD</i>	LUMR2-51A
2	ALBERO SUPPORTO PIGNONE <i>PINION SHAFT</i>	LUMR2-08
3	CARTER SUPERIORE <i>UPPER PROTECTIVE HOOD</i>	LUMR2-50
4	PERNO DI SOLLEVAMENTO <i>LIFTING PIN</i>	LUMR2-13
5	DISTANZIALE DI CENTRAGGIO D25 <i>CENTERING SPACER D25</i>	SURB-2325
6	SUPPORTO DI CONTATTO <i>CONTACT SUP-PORT</i>	LUMR2-13A
7	MORSETTO SEDIA MOTORE <i>MOTOR PLATE HOLDFAST</i>	LUMR-41



MINIOTOR EXPORT 2000



GAMMA | RANGE

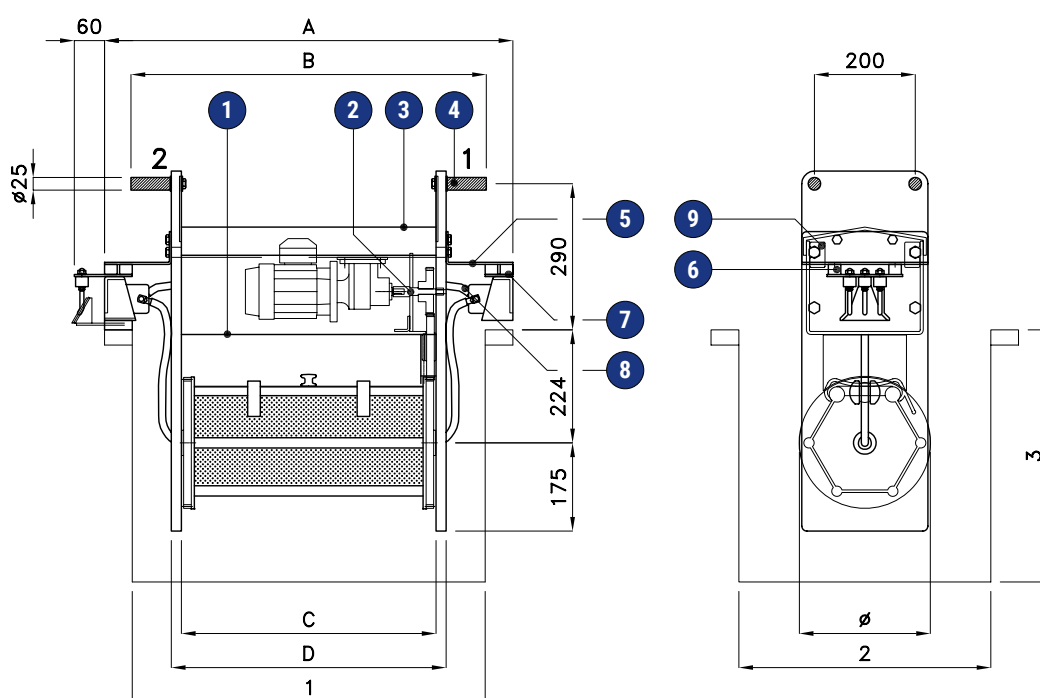
CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	BATACCHI DANGLERS	POTENZA MOTORI MOTOR POWER	PESO WEIGHT	A	B	C	D	Ø
n.		mm	dm ³	kg	mm ²	kW	kg	mm				
MX23722	370/220	4	10,5	10	25	0,09	33	710	605	405	445	260
MX24722	470/220	4	13,5	15	25	0,09	34	810	705	505	545	260
MX23722-7	370/220-7	4	15	15	25	0,09	34	710	605	405	445	295
MX24722-7	470/220-7	4	19	20	25	0,09	35	810	705	505	545	295

VASCHE | TANKS

MODELLO MODEL	1	2	3
n.	mm		
370/220	600	500	500
470/220	700	500	500

RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
1	CARTER INFERIORE LOW PROTECTIVE HOOD	LUMR2-51
2	ALBERO SUPPORTO PIGNONE PINION SHAFT	LUMR2-08
3	CARTER SUPERIORE UPPER PROTECTIVE HOOD	LUMR2-50
4	PERNO DI SOLLEVAMENTO LIFTING PIN	LUMR2-13
5	STAFFA SUPPORTO CAMPANA SUPPORT BRACKET FOR BELL	LUMR2-01D
6	ANTIVIBRANTI Ø 25x20 ANTIVIBRATIONS Ø 25x20	SUMR-24
7	PIASTRA SUPPORTO CAMPANA SUPPORT PLATE FOR BELL	LUMR-01E
8	CAVO PONTE BRIDGE CABLE	UMR-1104
9	MORSETTO SEDIA MOTORE MOTOR PLATE HOLDFAST	LUMR-41



MINIROTOR A BARRETTE MOD. 135-220 PER METALLO | MINIROTOR WITH BARS MOD. 135-220 FOR METAL

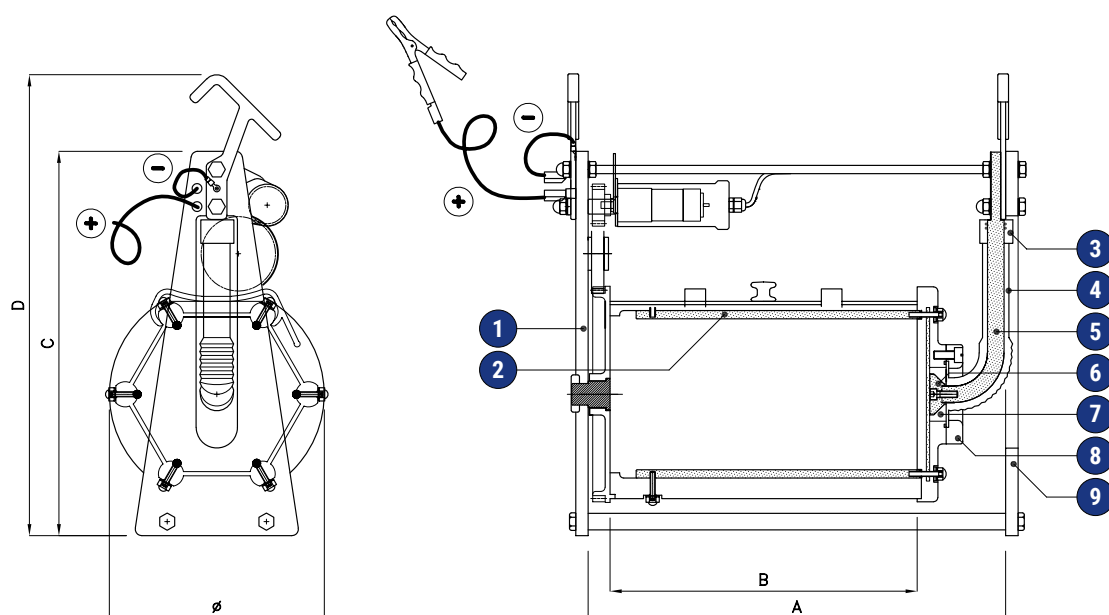


GAMMA | RANGE

CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	MOTORI C.C. MOTORS D.C.	PESO WEIGHT	A	B	C	D	Ø
n.		mm	dm ³	kg	V	kg	mm				
MP5A13	245/135	4	3,4	3	12	9	380	245	415	508	190
MP5A3722	370/220	4	8	6	12	10	405	271	465	558	260
MP5A4722	470/220	4	11	8	12	11	505	371	465	558	260
MP5A3722-7	370/220-7	4	11,4	6	12	10	405	267	465	558	295
MP5A4722-7	470/220-7	4	15,2	8	12	11	505	367	465	558	295

RICAMBI | SPARE PARTS

POS.	COMPONENTE COMPONENT	CODICE CODE
1	SPALLA LATO TRASMISSIONE MOD. 135 TRANSMISSION UPRIGHT MOD. 135	LMP13-510A1
1	SPALLA LATO TRASMISSIONE MOD. 220 TRANSMISSION UPRIGHT MOD. 220	LMP22-10A
2	BARRETTA INOX DIA. 8 MOD. 135 BAR DIA. 8 IN S.S. MOD. 135	LUMR2-501A
2	BARRETTA INOX DIA. 10 MOD. 220 BAR DIA. 10 IN S.S. MOD. 220	LUMR2-501
3	GUIDA SUPERIORE SOFFIETTO UPPER BELLOW'S GUIDE	UMR-303
4	SOFFIETTO COMPLETO D.N. 20 COMPLETE BELLOW D.N. 20	UMR-304
5	SUPPORTO CATODICO IN OTTONE CATHODE SUPPORT IN BRASS	LUMR-505
6	CONO DI CONTATTO CONTACT CONE	LUMR2-520A
7	FLANGIA DI CONTATTO CONTACT FLANGE	LUMR2-520B
8	FLANGIA SOFFIETTO FLANGE FOR BELLOW	LUMR-520
9	SPALLA PROTEZIONE SOFFIETTO MOD. 135 UPRIGHT WITH BELLOW PROTECTION MOD. 135	LMP13-510
9	SPALLA PROTEZIONE SOFFIETTO MOD. 220 UPRIGHT WITH BELLOW PROTECTION MOD. 220	LMP22-510



MINIOTOR A BARRETTE MOD. 135-220

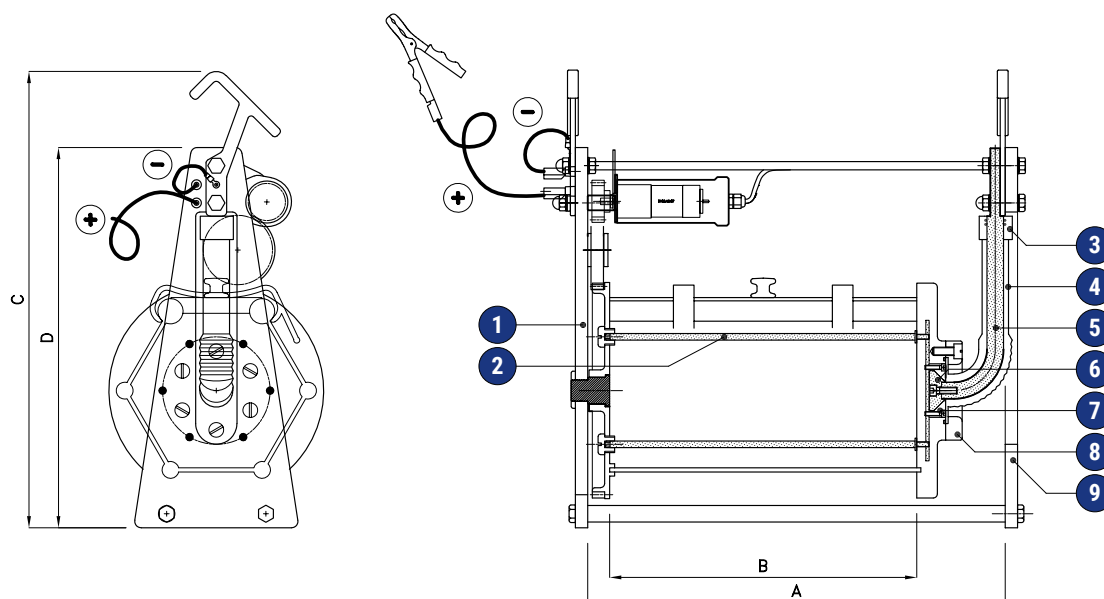
PER PLASTICA | *MINIOTOR WITH BARS MOD. 135-220 FOR PLASTIC*

GAMMA | RANGE

CODICE CODE	MODELLO MODEL	SPESSORE PANNELLO PANEL THICKNESS	VOLUME	PORTATA LOAD CAPACITY	MOTORI C.C. MOTORS D.C.	PESO WEIGHT	A	B	C	D	Ø
n.		mm	dm ³	kg	V	kg	mm				
MP513	245/135	4	3,4	3	12	9	380	245	415	508	190
MP53722	370/220	4	8	6	12	10	405	271,5	465	558	260
MP54722	470/220	4	11	8	12	11	505	371,5	465	558	260
MP53722-7	370/220-7	4	11,4	6	12	10	405	267	465	558	295
MP54722-7	470/220-7	4	15,2	8	12	11	505	367	465	558	295

RICAMBI | SPARE PARTS

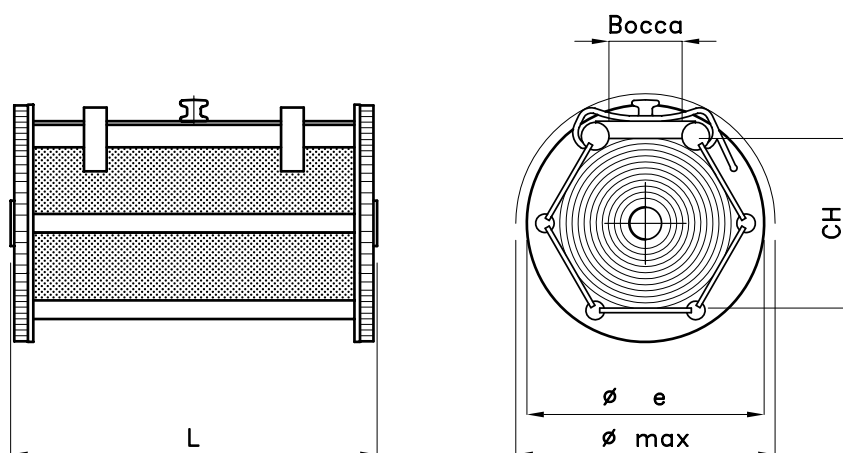
POS.	COMPONENTE COMPONENT	CODICE CODE
1	SPALLA LATO TRASMISSIONE MOD. 135 <i>TRANSMISSION UPRIGHT MOD. 135</i>	LMP13-510A
1	SPALLA LATO TRASMISSIONE MOD. 220 <i>TRANSMISSION UPRIGHT MOD. 220</i>	LMP22-510A
2	BARRETTA INOX DIA. 8 <i>BAR DIA. 8 IN S.S.</i>	LUMR-501
3	GUIDA SUPERIORE SOFFIETTO <i>UPPER BELLOW'S GUIDE</i>	UMR-303
4	SOFFIETTO COMPLETO D.N. 20 <i>COMPLETE BELLOW D.N. 20</i>	UMR-304
5	SUPPORTO CATODICO IN OTTONE <i>CATHODE SUPPORT IN BRASS</i>	LUMR-505
6	CONO DI CONTATTO <i>CONTACT CONE</i>	LUMR2-520A
7	FLANGIA DI CONTATTO <i>CONTACT FLANGE</i>	LUMR2-520B
8	FLANGIA SOFFIETTO <i>FLANGE FOR BELLOW</i>	LUMR-520
9	SPALLA PROTEZIONE SOFFIETTO MOD. 135 <i>UPRIGHT WITH BELLOW PROTECTION MOD. 135</i>	LMP13-510
9	SPALLA PROTEZIONE SOFFIETTO MOD. 220 <i>UPRIGHT WITH BELLOW PROTECTION MOD. 220</i>	LMP22-510



CILINDRI IN PP CON PERFORAZIONE STANDARD CIRCOLARE | CYLINDERS IN PP WITH STANDARD CIRCULAR PERFORATION

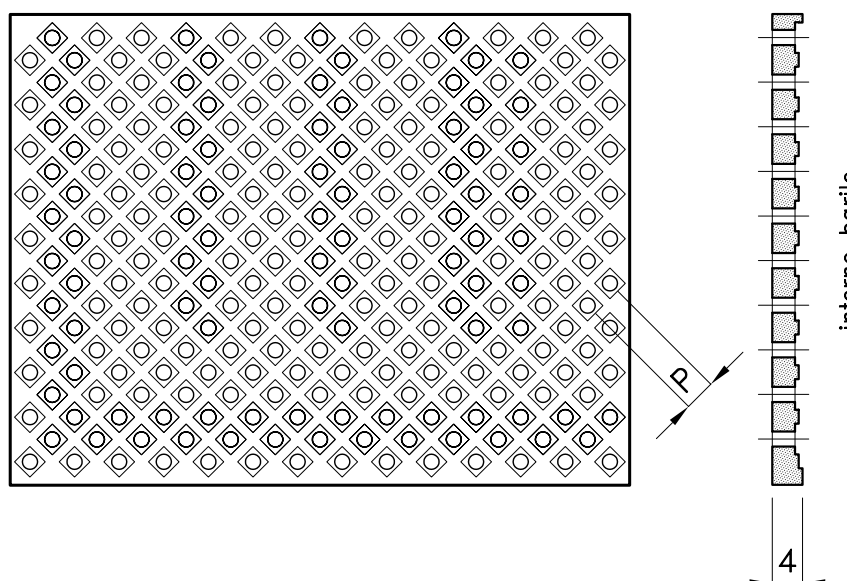
GAMMA | RANGE

CODICE CODE	MODELLO MODEL	INGRANAGGIO GEAR	L	VOLUME	PORTATA LOAD (min - max)	BOCCA	Ø		SPORTELLLO STANDARD STANDARD DOOR
n.			mm	dm ³	kg	mm	e	max	
B1013	100/135	Z60 M3	154	1,5	1,5	60	190	210	FRONTAL + CLIPS
B2013	200/135	Z60 M3	250	3	3	60	190	210	FRONTAL + CLIPS
B2513	250/135	Z60 M3	300	3,8	3,5	60	190	210	FRONTAL + CLIPS
B3722	370/220	Z84 M3	404	10,5	6 - 10	80	260	275	FRONTAL + CLIPS
B4722	470/220	Z84 M3	504	13,5	8 - 15	80	260	275	FRONTAL + CLIPS
B3722-7	370/220-7	Z84 M3	404	15	8 - 15	80	295	310	FRONTAL + CLIPS
B4722-7	470/220-7	Z84 M3	504	19	10 - 20	80	295	310	FRONTAL + CLIPS



PERFORAZIONI CIRCOLARI | CIRCULAR PERFORATIONS

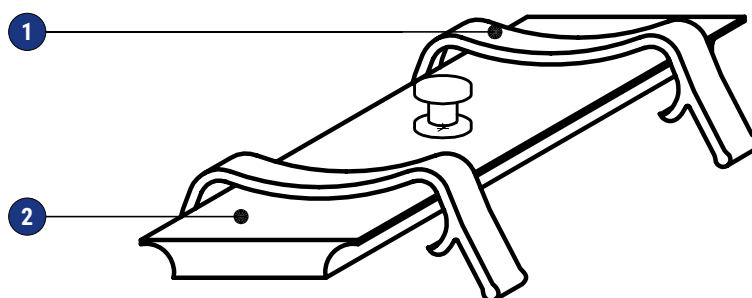
PERFORAZIONE PERFORATION	PASSO PITCH
Ø mm	mm
0,6	2,0
1	2,5
1,5	3,0
2	3,0
3	6,0



SPORTELLI E PARATIE | DOORS AND PARTITION WALLS

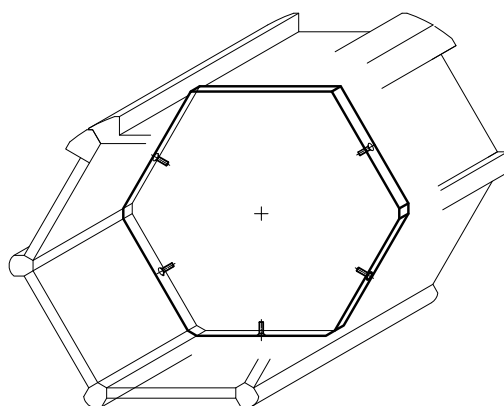
SPORTELLO FRONTALE | *FRONTAL DOOR*

POS.	COMPONENTE COMPONENT	CODICE CODE	MODELLO MODEL
n.			n.
1+2	DOOR + CLIPS	FB13-E1020	200/135
1+2	DOOR + CLIPS	FB13-E1025	250/135
1+2	DOOR + CLIPS	FB22-E1037	370/220 - 370/220-7
1+2	DOOR + CLIPS	FB22-E1047	470/220 - 470/220-7
1	DOOR	B13-E1020	200/135
1	DOOR	B13-E1025	250/135
1	DOOR	B22-E1037	370/220 - 370/220-7
1	DOOR	B22-E1047	470/220 - 470/220-7
2	CLIP	SB13-F20	CHIUSURA PVDF MOD.135 PVDF CLIP MOD. 135
2	CLIP	SB22-F20	CHIUSURA PVDF MOD. 220 PVDF CLIP MOD. 220



PARATIE | *PARTITION WALLS*

CODICE CODE	MODELLO MODEL
n.	
B22-D10	220
B27-D10	220-7



CILINDRI IN PP CON PERFORAZIONE A RETE E LAMELLARE | CYLINDERS IN PP WITH MESH AND SLOT PERFORATION

GAMMA | RANGE

CODICE CODE	MODELLO MODEL	INGRANAGGIO GEAR	VOLUME	PORTATA LOAD (min - max)
n.			dm³	kg
SPORTELLLO FRONTALE + CLIP IN PVDF FRONTAL DOOR + CLIP IN PVDF				
B1013RT	100/135	Z60 M3	1,5	1,5
B2013RT	200/135	Z60 M3	3	3
B2513RT	250/135	Z60 M3	3,8	3,5
B3722RT	370/220	Z84 M3	10,5	6 - 10
B4722RT	470/220	Z84 M3	13,5	8 - 15
B3722-7RT	370/220-7	Z84 M3	15	8 - 15
B4722-7RT	470/220-7	Z84 M3	19	10 - 20

PANNELLI ESTRAIBILI | REMOVABLE PANELS

CODICE CODE	MODELLO CH MODEL SW
mm	mm
B13-C11	135
B22-C11	220

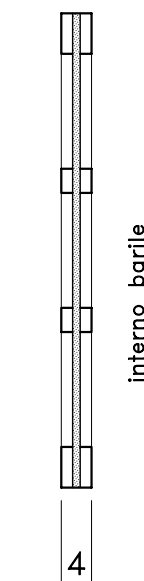
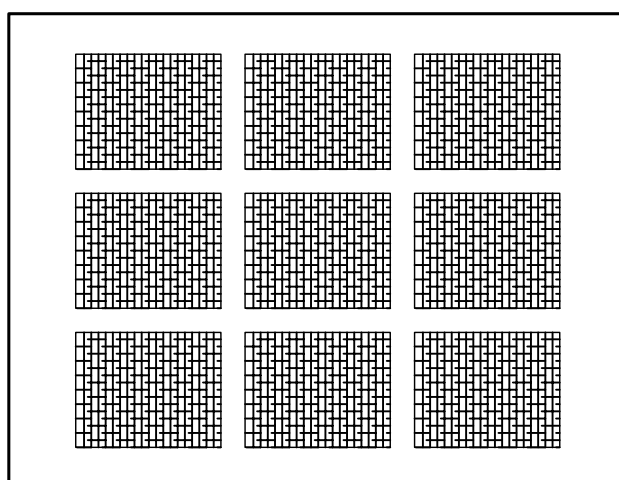


Pannelli intercambiabili.
Sportello frontale con borchie e
clip PVDF.

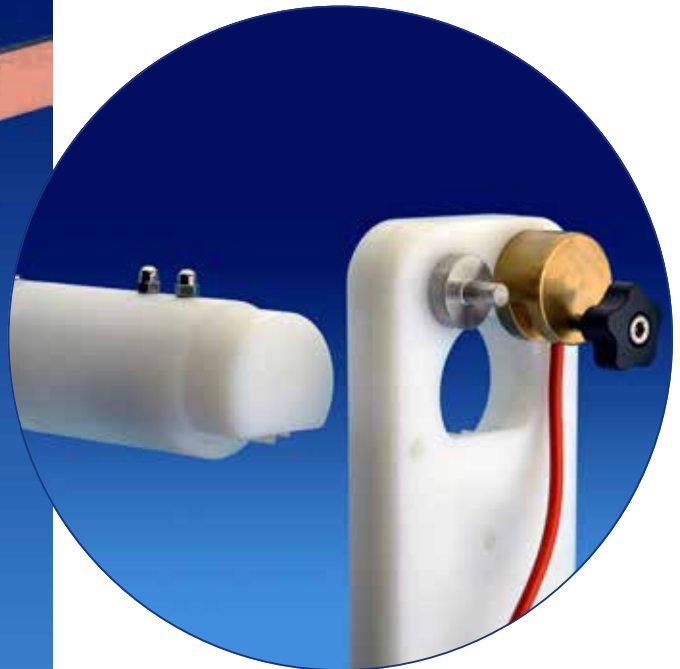
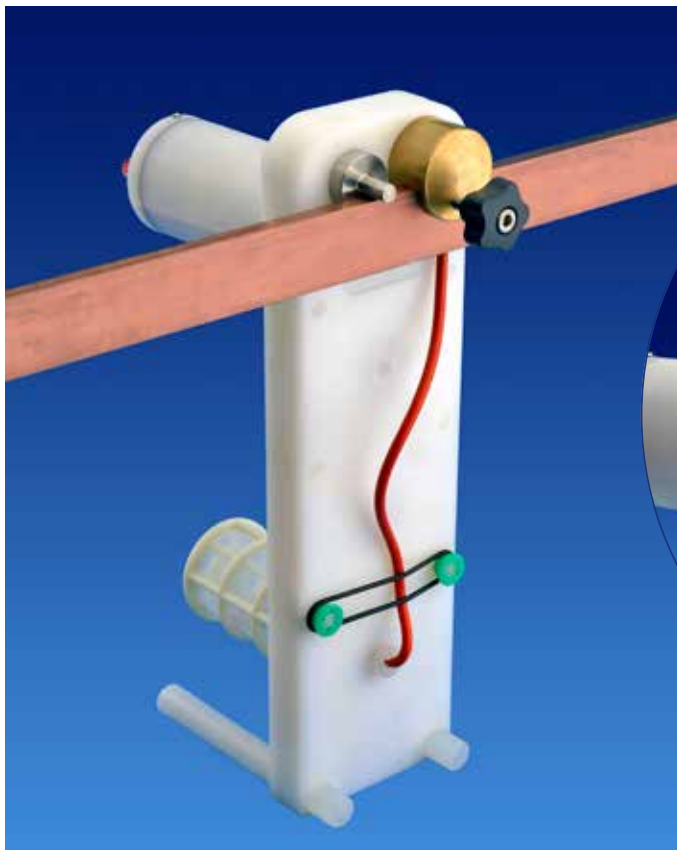
Removable panels.
Frontal door with insert and
PVDF clips.

PERFORAZIONI | PERFORATIONS

RETE MESH
mm
0,3
0,5
0,7
LEAMELLARE SLOT
0,4 × 3



MINIOTOR SPECIALI | SPECIAL MINIOTOR

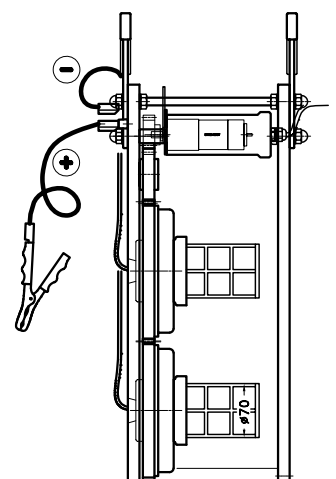
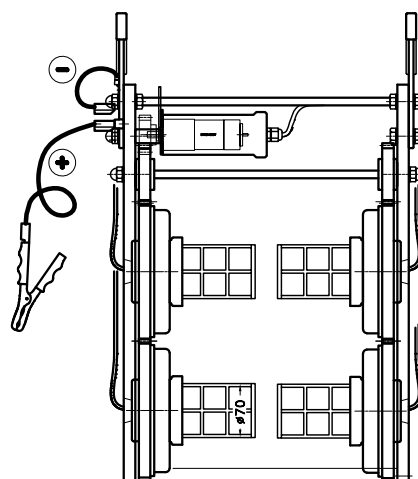
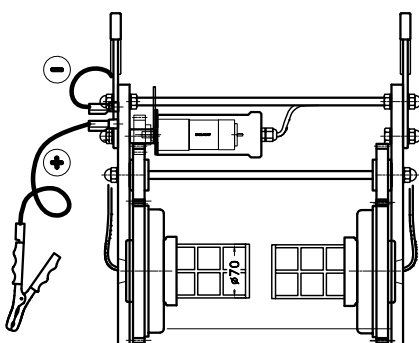


- Miniotor da Laboratorio per test e piccole produzioni
- Mini cilindri in PP con perforazione a rete
- Batacchi da 6 mm²

Prezzi su richiesta.

- *Miniotor for Laboratory for testing and small sampling*
- *Mini-cylinders in PP with mesh panels*
- *Danglers section 6 sqmm*

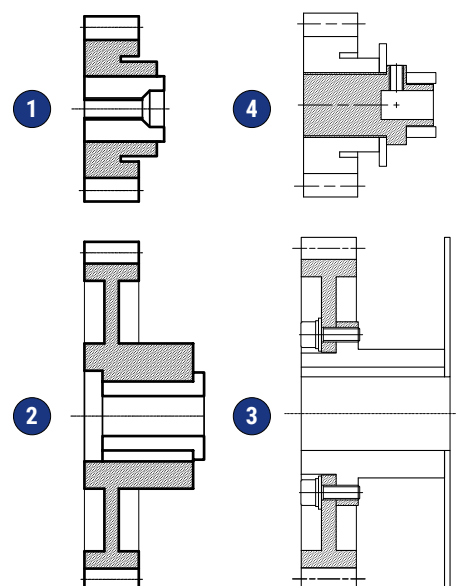
Prices on request.



RICAMBI | SPARE PARTS

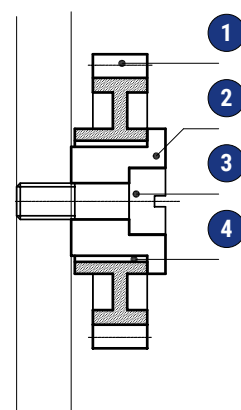
PIGNONI MINIROTOR | PINIONS

POS.	CODICE CODE	COMPONENTE COMPONENT	M	Z
1	UMRP30	PIGNONE MINIROTOR CC PINION MINIROTOR DC	3	15
2	UMRP32	PIGNONE MINIROTOR CA PINION MINIROTOR AC	3	30
3	UMRP32-F20	PIGNONE MINIROTOR CA X SEW PINION MINIROTOR AC X SEW	3	30
4	UMR-30-PLQ	PIGNONE MINIROTOR CC X P205 PINION MINIROTOR DC X P205	3	15



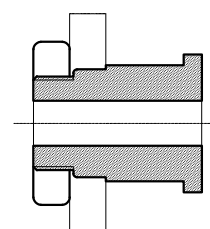
GRUPPO INGRANAGGIO INTERMEDIO | INTERMEDIATE GEAR UNIT

POS.	COMPONENTE COMPONENT	CODICE CODE
A	INGRANAGGIO COMPLETO Z25 M53 COMPLETE GEAR Z25 M53	UMRE90C
A	INGRANAGGIO COMPLETO Z30 M3 COMPLETE GEAR Z30 M3	UMRE90D
A	INGRANAGGIO COMPLETO Z42 M3 COMPLETE GEAR Z42 M3	UMRE90E
1	INGRANAGGIO Z25 M3 GEAR Z25 M3	ZUMRE90C
1	INGRANAGGIO Z30 M3 GEAR Z30 M3	ZUMRE90D
1	INGRANAGGIO Z42 M3 GEAR Z42 M3	ZUMRE90E
2	MOZZO INTERMEDIO PER Z25 Z30 INTERMEDIATE HUB FOR GEARS Z25 Z30	LUMR-23
2	MOZZO INTERMEDIO PER Z42 INTERMEDIATE HUB FOR GEARS Z42	LUMR-23A
3	VITE TCTM 10x50 PVDF SCREW TCTM 10x50 PVDF	V00841050
4	RULON L=0,110 PER INGRANAGGI Z25 Z30 RULON L=0.110 FOR GEARS Z25 Z30	LCM110200
4	RULON L=0,130 PER INGRANAGGI Z42 RULON L=0.130 FOR GEARS Z42	LCM130220



MOZZI | HUBS

CODICE CODE	COMPONENTE COMPONENT
UMR2-20A	MOZZO CON GHIERA Ø 10 HUB WITH RING Ø 10
UMR2-20C	MOZZO CON GHIERA Ø 16 HUB WITH RING Ø 16
UMR2-20B	MOZZO CIECO CON GHIERA BLIND HUB WITH RING



CONTATTI CATODICI A BATAACCHIO | DANGLER CATHODE CONTACTS

LA GAMMA | RANGE

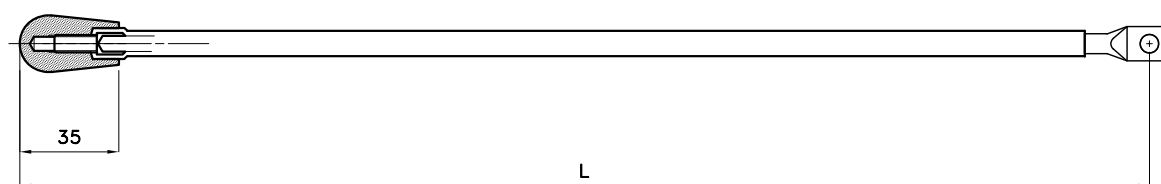
CODICE CODE	LUNGHEZZA BATAACCHIO DANGLER LENGTH	SEZIONE CU COPPER SECTION	CAVO CABLE	DIM. TESTA OTTONE DIM. BRASS HEAD
n.	mm	mm ²	Ø mm	mm
BT16035	350	16	9	20 × 35
BT16040	400	16	9	20 × 35
BT25045	450	25	14	20 × 40
BT25050	500	25	14	20 × 40
BT25055	550	25	14	20 × 40
BT25060	600	25	14	20 × 40

DIMENSIONI CONSIGLIATE | RECOMMENDED SIZES

MODELLO MODEL	BATAACCHIO RIF. REF. DANGLER
MINIOTOR	
100/135	16 mm ² /L= 350
200/135	16 mm ² /L= 350
250/135	16 mm ² /L= 400
370/220	25 mm ² /L= 450
470/220	25 mm ² /L= 500
370/220-7	25 mm ² /L= 450
470/220-7	25 mm ² /L= 500

TESTINE INTERCAMBIABILI FILETTATE | INTERCHANGEABLE THREADED HEADS

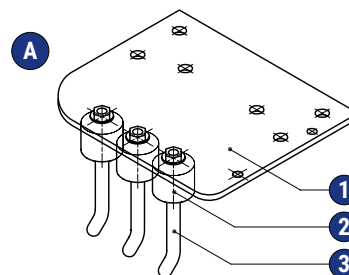
CODICE CODE	MATERIALE MATERIAL	SEZIONE CU COPPER SECTION	DIM. TESTA OTTONE DIM. BRASS HEAD
n.		mm ²	mm
LUMR-80A	OTTONE BRASS	16	20 × 35
LUMR-81A	OTTONE BRASS	25	20 × 40



MORSETTIERE DI ROTAZIONE | LOW VOLTAGE PICK-UP CONTACTS

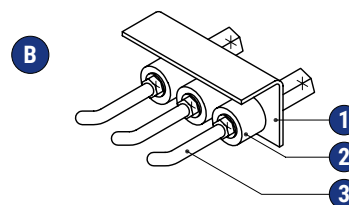
PER MINIROTOR EXPORT 2000 | *FOR MINIROTOR EXPORT 2000*

POS.	COMPONENTE COMPONENT	CODICE CODE
A	MORSETTIERA COMPLETA <i>COMPLETE PICK-UP CONTACT</i>	UMR-71
1	PIASTRA INOX <i>S.S. PLATE</i>	LUMR-01C
2	ANTIVIBRANTE 25x20 <i>ANTIVIBRATION 25x20</i>	SUMR-24
3	PERNO DI CONTATTO <i>PIN FOR CONTACT</i>	LUMR-71A
2+3	CONTATTO COMPLETO <i>COMPLETE CONTACT</i>	UMR-70



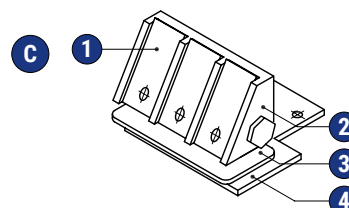
PER MINIROTOR 2000 | *FOR MINIROTOR 2000*

POS.	COMPONENTE COMPONENT	CODICE CODE
B	MORSETTIERA COMPLETA <i>COMPLETE PICK-UP CONTACT</i>	UMR-72
1	SQUADRETTA INOX <i>S.S. PLATE</i>	LUMR-72C
2+3	CONTATTO COMPLETO <i>COMPLETE CONTACT</i>	UMR-70



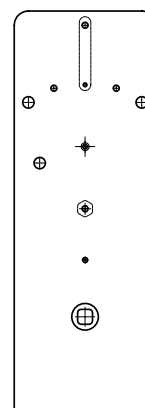
PER VASCA | *FOR TANK*

POS.	COMPONENTE COMPONENT	CODICE CODE
C	MORSETTIERA COMPLETA <i>COMPLETE PICK-UP CONTACT</i>	AV-204
1	PIASTRINA CU <i>CU PLATE</i>	LAV-204A
2	CORPO IN PP <i>PP BODY</i>	LAV-204B
3	ISOLATORE <i>INSULATOR</i>	LAV-204D
4	SUPPORTO MORSETTIERA <i>SUPPORT</i>	LAV-204C



SPALLE MINIROTOR CA | *UPRIGHTS FOR MINIROTOR AC*

COMPONENTE COMPONENT	CODICE CODE
MOD. 220 MINIROTOR 2000	
SEMPLICE <i>SIMPLE</i>	LM22-10
LATO TRASMISSIONE <i>TRANSMISSION SIDE</i>	LM22-10A
MOD. 220 MINIROTOR EXPORT 2000	
SEMPLICE <i>SIMPLE</i>	LMX22-10
LATO TRASMISSIONE <i>TRANSMISSION SIDE</i>	LMX22-10A



GARANZIA

I Buratti di produzione PROGALVANO s.r.l. sono fabbricati nel rispetto dei più alti standard tecnologici e con l'impiego di materie prime e di componenti di alta qualità.

Un corretto utilizzo della macchina ed una sua regolare manutenzione, come da istruzioni riportate nel manuale d'uso, sono condizioni essenziali per la validità della garanzia e per ottenere una corretta durata del buratto e dei componenti dello stesso.

DURATA

La durata della garanzia si intende di 12 mesi a partire dalla sua messa in funzione; è calcolata per un turno lavorativo giornaliero. La garanzia comunque non copre un periodo superiore ai 18 mesi oltre la data di consegna.

PARTI COPERTE DA GARANZIA

PROGALVANO s.r.l. riconosce la garanzia per difetti costruttivi sulle seguenti parti del Buratto:

- Struttura portante e suo assemblaggio
- Esagono in Polipropilene (PP)
- Ingranaggi, spalle e mozzi in plastica

PARTI ESCLUSE DALLA GARANZIA

Sono escluse dalla garanzia le parti non di nostra fabbricazione (motoriduttori e salvamotore) per cui hanno validità le condizioni di garanzia del costruttore; PROGALVANO s.r.l. garantisce l'utilizzo di materiali prodotti da primari costruttori e può fare da tramite per il riconoscimento della garanzia da parte degli stessi. Sono altresì escluse da garanzia i materiali di consumo (contatti catodici e chiusure a molla in PVDF).

LIMITAZIONE DI GARANZIA

Si escludono dalla garanzia gli esagoni con perforazione lamellare 1,2 mm e 1,8 mm limitatamente alla occlusione della perforazione. La garanzia non copre danneggiamenti causati da:

- Cadute o urti
- Carico di materiale in eccedenza rispetto alla portata massima indicata da PROGALVANO s.r.l.
- Carico di oggetti e materiali taglienti e/o abrasivi
- Carico di singoli pezzi troppo pesanti che nel rotolamento possano colpire le pareti dell'esagono con forza eccessiva
- Utilizzo del buratto in trattamenti particolari ed esposizione a temperature eccessive a meno che ciò sia chiaramente indicato al momento della richiesta di offerta

CESSAZIONE DELLA GARANZIA

La manomissione, la modifica od una non corretta sostituzione di parti del buratto, sia pur eseguita con ricambi originali PROGALVANO, portano ad una automatica cessazione della garanzia.

UTILIZZI PARTICOLARI

Per tutti i casi di utilizzi particolari o di utilizzo di materiali diversi da quelli normalmente usati nella fabbricazione dei buratti PROGALVANO la garanzia non ha valore se non su richiesta specifica.

WARRANTY

The plating barrels manufactured by PROGALVANO s.r.l. are made with high quality raw materials and components that meet the highest technological standards.

The machine should be used properly and undergo regular maintenance set out in the instructions provided in the User's Manual, which are essential for keeping the warranty valid and ensuring durable plating barrel and components.

TERM

The warranty shall be valid for 12 months, based upon one shift per day, from the time it is put into operation.

The warranty period shall terminate in every event 18 months after the delivery date.

PARTS COVERED

PROGALVANO s.r.l. provides coverage of defects in workmanship on the following parts of the plating barrel:

- *Bearing structure and its assembly*
- *Polypropylene cylinder*
- *Plastic gears, shoulders and hubs*

PARTS NOT COVERED

The warranty does not cover parts not manufactured by PROGALVANO s.r.l. (garmotors and overload cut-out), which shall be covered by the terms and conditions of the manufacturer's warranty. PROGALVANO s.r.l. utilises materials produced by the leading manufacturers and is willing to act as go-between to obtain acknowledgement of the warranty by the same. The warranty does not cover consumables (cathode contacts and PVDF spring clamps).

LIMITED WARRANTY

The warranty does not cover cylinders with 1.2 mm and 1.8 mm laminar perforation as far as blocking of the perforation is concerned. The warranty does not cover any damage caused by:

- *Dropping or impact*
- *Material overload above the maximum capacity indicated by PROGALVANO s.r.l.*
- *Load of cutting and/or abrasive materials and objects*
- *Load of too heavy single pieces that may hit the cylinder walls with excessive force during rolling*
- *Use of the plating barrel for special treatments and exposure to too high temperatures, unless such uses were clearly indicated at the time the request for quotations was made*

TERMINATION OF WARRANTY

The warranty shall be terminated automatically in the event of tampering, modification or improper replacement of plating barrel parts even with original PROGALVANO spare parts.

SPECIAL USES

For all cases of special uses or use of materials other than those normally utilised to manufacture PROGALVANO plating barrels, the warranty shall only be valid if the customer.

Tutti i diritti riservati.

Le informazioni/specifiche del prodotto sono soggette a modifiche per il miglioramento del prodotto senza preavviso.

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Product informations/specifications are subject to change for product improvement without notice.



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