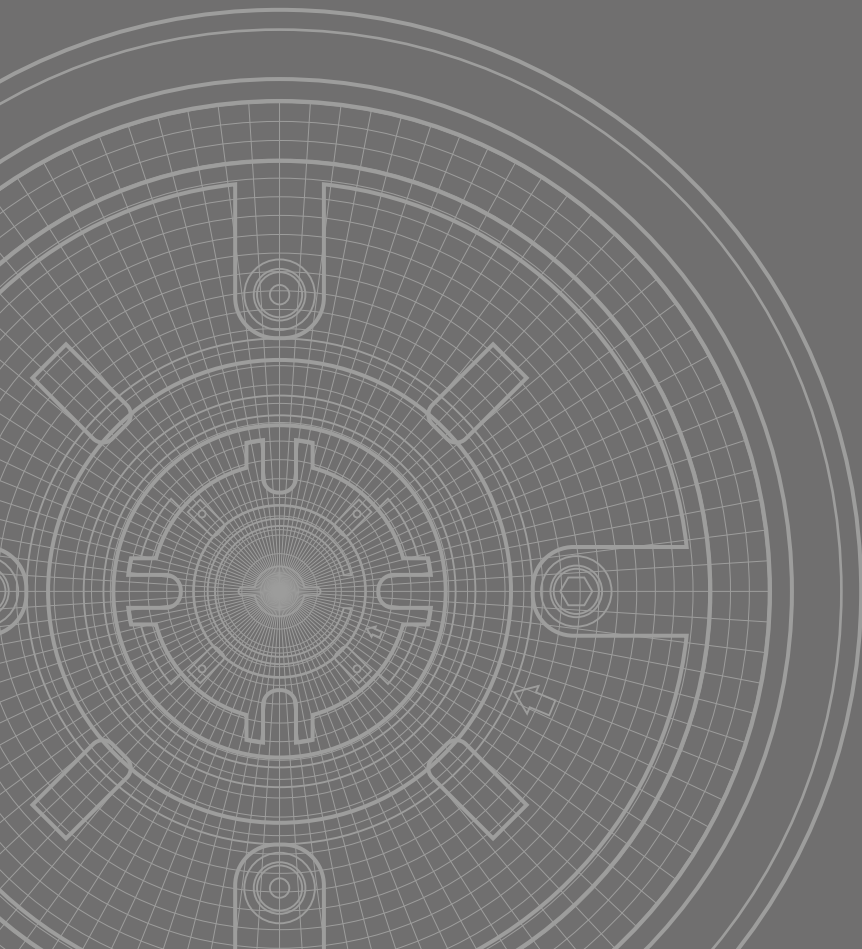


MECHANICAL SEALS

MECHANICAL SEALS



MATERIAL MATCHING TABLE according to NF EN 12756

Material for friction surfaces - Rotary part / stationary part

Descriptions	LI Code	NF EN 12756 Code
Carbons		
Metal impregnated carbon	A	A
Resin impregnated carbon	B	B
Carbon graphite synthetic resin impregnation	B1	B
Other carbons	--	C
Carbides (tungsten carbide U, silicon carbide Q other carbides J)		
Tungsten carbide, Ni binder	U2	U2
Tungsten carbide, CrNiMo binder	--	U3
Pure silicon carbide	U6	Q1
Silicon carbide - silica free	U3	Q2
Silicon carbide and silicon carbon compound	U5	Q3
Carbon and silicon carbide compound, silicon on surface	U9	Q4
Other carbides	--	J
Metallic oxides		
Aluminium oxide	V	V
Chromium oxide	W	W
Other metallic oxides	--	X
Metals		
Carbon-steel	D	D
Cr-steel (ferritic / martensitic steel)	E	E
CrNi-steel (austenitic steel)	F	F
CrNiMo-steel (austenitic steel)	G	G
Metals with carbide coating	--	H
Hard metal coating	--	K
Alloy with high nickel content	M	M
Bronze	N	N
Special Cast Cr No-steel	S2	--
Grey cast iron	--	P
Alloy grey cast iron	--	R
Cr hardened cast steel	--	S
Other metals	T	T
Plastic materials (PTFE, reinforced Y, other plastic materials Z)		
PTFE, with fiberglass reinforcement	Y1	Y1
PTFE, with carbon reinforcement	Y4	Y2
Other plastic materials	Z	Z
Sheet gasket LATTY®flon 94 L	--	--

Material used for flexible parts

Descriptions	LI Code	NF EN 12756 Code
Elastomers, uncoated		
Butyl rubber	B	B
Ethylene-propylene rubber	E	E
Perfluorinated rubber	K / K2	K
Chloroprene rubber	--	N
Nitrile rubber	P	P
Silicone rubber	S	S
Fluoro rubber (FPM)	V	V
Other elastomers	--	X
Elastomers, coated		
Elastomers, coated with FEP	M6/M5	M
Non-elastomer materials		
Graphite	--	G
PTFE	Y	T
Other non-elastomer materials	--	Y
Miscellaneous materials		
Miscellaneous materials for flexible parts	--	U

Materials used in other parts such as springs, metal bellows (except mechanical seal flanges and sleeves)

Descriptions	LI Code	NF EN 12756 Code
Carbon steel	D	D
Cr-steel	E	E
CrNi-steel	F	F
CrNiMo-steel	G	G
Alloy with high nickel content	M	M
Copper-tin alloy (bronze)	N	N
Other materials	T	T
Springs of hastelloy	T2	M

Range names

CARTseal®

SINGLE CARTRIDGE SEALS



The range of single cartridge mechanical seals **CARTseal®** by **LATTY®** is available according to the diameters and types with moulded or machined clamps:

CARTseal® B 246

Moulded flanges

B 24610 / B 24610 Q

Shaft \varnothing 25 to 70 mm
1" to 2.750"

B 24610 PP / B 24610 PPQ



CARTseal® B 248

Machined clamps

B 24810 / B 24810 Q

Shaft \varnothing \geq 75 mm
 \geq 2.875"

B 24810 PP / B 24810 PPQ



CARTseal® B 236

Single Cartridge Version of the **LATTY®seal B 23** pentagonal drive, protected spring, mechanical seal.

Moulded flanges

B 23612 - B 23612 Q

DOUBLE CARTRIDGE SEALS



The **CARTseal®** by **LATTY®** range of double cartridge mechanical seals is available with machined clamps: range **B 248**.

CARTseal® B 248

Machined clamps

B 24810 DB

Shaft \varnothing 25 à 100 mm
1" to 4"

B 24810 DBVP



Certain mechanical seals **CARTseal®** comply with the essential requirement of the Directive ATEX 94 / 9 / CE:

GROUPE II 2 and 3 GD cbk T6 to T3

- Group II : equipment used on the surface
- Z and 3 : category* of equipment that may be used in
- G : gaseous atmosphere
- D : dust atmosphere
- c : protection by means of a construction
- b : protection by checking the inflammation source
- k : protection by means of an immersion (barrier fluid)
- T6 to T3 : temperature classes*

* For any other classes or categories, please contact us.

CARTseal® B 24610 is a mix of concepts linking ingenuity and technology. **CARTseal® B 24610** is designed for the end user as testifies its exceptional modularity allowing full compliance with all types of environments and a reduced operating cost.

In addition, **CARTseal® B 24610** is a paramount of technology targeted at performance, ease of use and safety: the drive system, unique working length, self-turning setting clamps partially illustrate this affirmation.

Chemical and petrochemical industries, water distribution and sewage, food processing industry, boiler plants, paper mills, etc.

All corrosive, abrasive and slightly clogging fluids.

- Approval on request: FDA, ATEX, ACS, CE 1935/2004.

CARTseal® B 24610

Moulded Flanges range names B 246 - Shaft diameters equal to or less than 70 mm



T -20 °C to 220 °C
P < 2.5 MPa (25 bar)
S < 20 m/s

U6B1 E1 or V4	
Ø Metric	
025	
028	
030	
032	
033	
035	
038	
040	
043	
045	
048	
050	
053	
055	
060	
065	
070	

U6U6 E1 or V4	
Ø Metric	
025	
028	
030	
032	
033	
035	
038	
040	
043	
045	
048	
050	
053	
055	
060	
065	
070	

U6B1 E1 or V4	
Ø Imperial	
1.000	
1.125	
1.250	
1.375	
1.500	
1.625	
1.750	
1.875	
2.000	
2.125	
2.250	
2.375	
2.500	
2.625	
2.750	

U6U6 E1 or V4	
Ø Imperial	
1.000	
1.125	
1.250	
1.375	
1.500	
1.625	
1.750	
1.875	
2.000	
2.125	
2.250	
2.375	
2.500	
2.625	
2.750	

Manufactured upon request only. Please consult us

CARTseal® B 24810

Machined clamps range names B 248 - Shaft diameters equal to or greater than 75 mm



T -20 °C to 220 °C
P < 2.5 MPa (25 bar)
S < 20 m/s

U6B1 E1 or V4	
Ø Metric	
075	
080	
085	
090	
095	
100	

U6U6 E1 or V4	
Ø Metric	
075	
080	
085	
090	
095	
100	

U6B1 E1 or V4	
Ø Imperial	
2.875	
3.000	
3.125	
3.250	
3.375	
3.500	
3.625	
3.750	
4.000	

U6U6 E1 or V4	
Ø Imperial	
2.875	
3.000	
3.125	
3.250	
3.375	
3.500	
3.625	
3.750	
4.000	

Manufactured upon request only. Please consult us

Upper version of **CARTseal® B 24610**, this model includes an auxiliary seal used as a quench feature. Its unique fibrous material makes it water absorbent, thus capable of supporting some water shortage.

Thanks to its quench device, **CARTseal® B 24610 Q** increases seal life expectancy on crystallizing, solidifying or vaporizing products.

CARTseal® B 24610 Q

Moulded Flanges range names B 246 - Shaft diameters equal to or less than 70 mm



T -20 °C to 220 °C
P < 2.5 MPa (25 bar)
S < 20 m/s

U6B1 E1 or V4	
Ø Metric	
025	
028	
030	
032	
033	
035	
038	
040	
043	
045	
048	
050	
053	
055	
060	
065	
070	

U6U6 E1 or V4	
Ø Metric	
025	
028	
030	
032	
033	
035	
038	
040	
043	
045	
048	
050	
053	
055	
060	
065	
070	

U6B1 E1 or V4	
Ø Imperial	
1.000	
1.125	
1.250	
1.375	
1.500	
1.625	
1.750	
1.875	
2.000	
2.125	
2.250	
2.375	
2.500	
2.625	
2.750	

U6U6 E1 or V4	
Ø Imperial	
1.000	
1.125	
1.250	
1.375	
1.500	
1.625	
1.750	
1.875	
2.000	
2.125	
2.250	
2.375	
2.500	
2.625	
2.750	

Manufactured upon request only. Please consult us

CARTseal® B 24810 Q

Machined clamps range names B 248 - Shaft diameters equal to or greater than 75 mm



T -20 °C to 220 °C
P < 2.5 MPa (25 bar)
S < 20 m/s

U6B1 E1 or V4	
Ø Metric	
075	
080	
085	
090	
095	
100	

U6U6 E1 or V4	
Ø Metric	
075	
080	
085	
090	
095	
100	

U6B1 E1 or V4	
Ø Imperial	
2.875	
3.000	
3.125	
3.250	
3.375	
3.500	
3.625	
3.750	
4.000	

U6U6 E1 or V4	
Ø Imperial	
2.875	
3.000	
3.125	
3.250	
3.375	
3.500	
3.625	
3.750	
4.000	

Manufactured upon request only. Please consult us

Designed specially for applications where flush circulation is useless or prohibited, **CARTseal® B 24610 PP** offers all the internal proven benefits of **CARTseal® B 24610** on a thinner flange configuration targeted at cost reduction.

Chemical and petrochemical industries, water distribution and sewage, food processing industry, boiler plants and paper mills.

All corrosive, slightly abrasive and clogging fluids.

- Approval on request: FDA, ATEX, ACS, CE 1935/2004.

CARTseal® B 24610 PP Moulded Flanges range names B 246 - Shaft diameters equal to or less than 70 mm



T -20 °C to 220 °C
P < 2.5 MPa (25 bar)
S < 20 m/s

U6B1 E1 or V4
Ø Metric
025
028
030
032
033
035
038
040
043
045
048
050
053
055
060
065
070

U6U6 E1 or V4
Ø Metric
025
028
030
032
033
035
038
040
043
045
048
050
053
055
060
065
070

U6B1 E1 or V4
Ø Imperial
1.000
1.125
1.250
1.375
1.500
1.625
1.750
1.875
2.000
2.125
2.250
2.375
2.500
2.625
2.750

U6U6 E1 or V4
Ø Imperial
1.000
1.125
1.250
1.375
1.500
1.625
1.750
1.875
2.000
2.125
2.250
2.375
2.500
2.625
2.750

CARTseal® B 24810 PP Machined clamps range names B 248 - Shaft diameters equal to or greater than 75 mm

Manufactured upon request only. Please consult us



U6B1 E1 or V4
Ø Metric
075
080
085
090
095
100

U6U6 E1 or V4
Ø Metric
075
080
085
090
095
100

U6B1 E1 or V4
Ø Imperial
2.875
3.000
3.125
3.250
3.375
3.500
3.625
3.750
4.000

U6U6 E1 or V4
Ø Imperial
2.875
3.000
3.125
3.250
3.375
3.500
3.625
3.750
4.000

Manufactured upon request only. Please consult us

Designed specially for applications where flush circulation is useless or prohibited, **CARTseal® B 24610 PPQ** offers all the internal proven benefits of **CARTseal® B 24610 Q** on a thinner flange configuration.

Absence of medium crystallization underneath the faces, heating or cooling of the seal are now effectively realized.

- Approval on request: FDA, ATEX, ACS, CE 1935/2004.

CARTseal® B 24610 PPQ Moulded Flanges range names B 246 - Shaft diameters equal to or less than 70 mm



T -20 °C to 220 °C
P < 2.5 MPa (25 bar)
S < 20 m/s

U6B1 E1 or V4
Ø Metric
025
028
030
032
033
035
038
040
043
045
048
050
053
055
060
065
070

U6U6 E1 or V4
Ø Metric
025
028
030
032
033
035
038
040
043
045
048
050
053
055
060
065
070

U6B1 E1 or V4
Ø Imperial
1.000
1.125
1.250
1.375
1.500
1.625
1.750
1.875
2.000
2.125
2.250
2.375
2.500
2.625
2.750

U6U6 E1 or V4
Ø Imperial
1.000
1.125
1.250
1.375
1.500
1.625
1.750
1.875
2.000
2.125
2.250
2.375
2.500
2.625
2.750

Manufactured upon request only. Please consult us

CARTseal® B 24810 PPQ Machined clamps range names B 248 - Shaft diameters equal to or greater than 75 mm



U6B1 E1 or V4
Ø Metric
075
080
085
090
095
100

U6U6 E1 or V4
Ø Metric
075
080
085
090
095
100

U6B1 E1 or V4
Ø Imperial
2.875
3.000
3.125
3.250
3.375
3.500
3.625
3.750
4.000

U6U6 E1 or V4
Ø Imperial
2.875
3.000
3.125
3.250
3.375
3.500
3.625
3.750
4.000

Manufactured upon request only. Please consult us



SPARE KITS CARTRIDGE

Sets of spare parts packed in **KIT** form adapted to different mechanical seals cartridge **type B 24** may be provided.
Please contact us!

- Approval on request: FDA, CE 1935/2004.

CARTseal® B 236

Cartridge version of the **LATTY® seal B 23** pentagonal drive, protected spring, mechanical seal.

The areas of applications are huge due to the protection design for the spring washer: Pumps conveying slurries for the sugar industry, paper industry, extracting industry, for heavy industries, all simple assemblies possible (cartridge, tandem, quench, etc.).

- Approval on request: FDA, CE 1935/2004.

CARTseal® B 23612

Shaft diameters equal to or less than 70 mm



T -20 °C to 160 °C

P < 2.5 MPa (25 bar)

S < 20 m/s

B U6V Metric					
Article #	Ø	Article #	Ø	Article #	Ø
79019	025	79026	040	79033	058
79020	028	79027	043	79034	060
79021	030	79028	045	79035	063
79022	032	79029	048	79036	065
79023	033	79030	050	79037	068
79024	035	79031	053	79038	070
79025	038	79032	055		

U6U6V Metric					
Article #	Ø	Article #	Ø	Article #	Ø
79039	025	79046	040	79053	058
79040	028	79047	043	79054	060
79041	030	79048	045	79055	063
79042	032	79049	048	79057	065
79043	033	79050	050	79058	068
79044	035	79051	053	79059	070
79045	038	79052	055		

B U6V Imperial					
Article #	Ø	Article #	Ø	Article #	Ø
79179	1.000	79184	1.625	79189	2.250
79180	1.125	79185	1.750	79190	2.375
79181	1.250	79186	1.875	79191	2.500
79182	1.375	79187	2.000	79192	2.625
79183	1.500	79188	2.125	79193	2.750

Manufactured upon request only. Please consult us

U6U6V Imperial					
Article #	Ø	Article #	Ø	Article #	Ø
79196	1.000	79201	1.625	79206	2.250
79197	1.125	79202	1.750	79207	2.375
79198	1.250	79203	1.875	79208	2.500
79199	1.375	79204	2.000	79209	2.625
79200	1.500	79205	2.125	79210	2.750

Manufactured upon request only. Please consult us

With its quench **CARTseal® B 23612 Q** improves the life time of the mechanical seal used with crystallising, solidifying or vapouring products.

- Approval on request: FDA, CE 1935/2004.

CARTseal® B 23612 Q

Shaft diameters equal to or less than 70 mm



T -20 °C to 160 °C

P < 2.5 MPa (25 bar)

S < 20 m/s

B U6V Metric					
Article #	Ø	Article #	Ø	Article #	Ø
79067	025	79074	040	79081	058
79068	028	79075	043	79082	060
79069	030	79076	045	79083	063
79070	032	79077	048	79084	065
79071	033	79078	050	79085	068
79072	035	79079	053	79086	070
79073	038	79080	055		

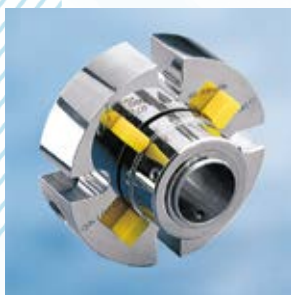
U6U6V Metric					
Article #	Ø	Article #	Ø	Article #	Ø
79088	025	79095	040	79102	058
79089	028	79096	043	79103	060
79090	030	79097	045	79104	063
79091	032	79098	048	79105	065
79092	033	79099	050	79106	068
79093	035	79100	053	79107	070
79094	038	79101	055		

B U6V Imperial					
Article #	Ø	Article #	Ø	Article #	Ø
79211	1.000	79216	1.625	79221	2.250
79212	1.125	79217	1.750	79222	2.375
79213	1.250	79218	1.875	79223	2.500
79214	1.375	79219	2.000	79224	2.625
79215	1.500	79220	2.125	79225	2.750

Manufactured upon request only. Please consult us

U6U6V Imperial					
Article #	Ø	Article #	Ø	Article #	Ø
79228	1.000	79233	1.625	79238	2.250
79229	1.125	79234	1.750	79239	2.375
79230	1.250	79235	1.875	79240	2.500
79231	1.375	79236	2.000	79241	2.625
79232	1.500	79237	2.125	79242	2.750

Manufactured upon request only. Please consult us

CARTseal® B 24810 DB

T -20 °C to 220 °C

P < 2.5 MPa (25 bar)

S < 20 m/s

Manufactured upon request only.
Please consult us

CARTseal® B 24810 DB is today the ultimately sophisticated version of **CARTseal® B 24810**. Capable of operating as a pressure less tandem seal or as a pressurized double seal, **CARTseal® B 24810 DB** guarantees, by inventory shrinkage, a TCO reduction, while maximum sealing flexibility and reliability are given by this **one** product that fits many applications.

Chemical and petrochemical, automotive, food processing industry, etc.

All corrosive, abrasive and slightly clogging fluids.

- Approval on request: FDA, ATEX, ACS, CE 1935/2004.

U6U6 E1 or V4 + U6B1 E1 or V4

Ø Metric	Ø Metric	Ø Metric	Ø Metric	Ø Metric	Ø Metric
025	033	043	053	065	085
028	035	045	055	070	090
030	038	048	060	075	095
032	040	050	063	080	100

U6U6 E1 or V4 + U6U6 E1 or V4

Ø Metric	Ø Metric	Ø Metric	Ø Metric	Ø Metric	Ø Metric
025	033	043	053	065	085
028	035	045	055	070	090
030	038	048	060	075	095
032	040	050	063	080	100

U6U6 E1 or V4 + U6B1 E1 or V4

Ø Imperial	Ø Imperial	Ø Imperial	Ø Imperial	Ø Imperial	Ø Imperial
1.000	1.500	2.000	2.500	3.000	3.500
1.125	1.625	2.125	2.625	3.125	3.625
1.250	1.750	2.250	2.750	3.250	3.750
1.375	1.875	2.375	2.875	3.375	4.000

U6U6 E1 or V4 + U6U6 E1 or V4

Ø Imperial	Ø Imperial	Ø Imperial	Ø Imperial	Ø Imperial	Ø Imperial
1.000	1.500	2.000	2.500	3.000	3.500
1.125	1.625	2.125	2.625	3.125	3.625
1.250	1.750	2.250	2.750	3.250	3.750
1.375	1.875	2.375	2.875	3.375	4.000

CARTseal® B 24810 DBVP

- Approval on request: FDA, ATEX, ACS, CE 1935/2004.

CARTseal® B 24810 DBVP can operate either as a pressurized double mechanical seal or as a tandem mechanical seal without barrier pressure.

CARTseal® B 24810 DBVP is equipped with a pumping screw (VP) which efficiently circulates the barrier fluid without requiring a costly and time-consuming installation of a motorized-pump.

All the features and benefits in connection with the **B 24610** and **B 24810 DB** versions also apply to the **CARTseal® B 24810 DBVP**.

T -20 °C to 220 °C

P < 2.5 MPa (25 bar)

S < 20 m/s

SPARE KITS CARTRIDGE

Sets of spare parts packed in **KIT** form adapted to different mechanical seals cartridge **type B 24** may be provided. Please contact us!

- Approval on request: FDA, CE 1935/2004.

LATTY®seal U 1000

Streamlined to an extreme, **LATTY®seal U 1000** is the mechanical seal of choice for a wide variety of NF EN 12756 equipment. Ruggedness and simplicity are all factors of longevity and installation ease. Its conical spring concept makes it dependent on direction of rotation.

Chemical, food processing and bio-engineering industries, water circulation applications.

All slightly corrosive, non-abrasive and non-clogging fluids.

- Approval: NF EN 12756 specification, FDA (on request).

T -20 °C to 180 °C

P < 1 MPa (10 bar)

S < 10 m/s

R G2BV-E

Article #	Ø	Article #	Ø
70010200	018	45823	033
70011175	020	70014419	035
60011176	022	70014430	038
70011174	024	70014287	040
70012165	025	70014431	043
70012122	028	70015458	045
70013145	030	40572	048
70013247	032	70015329	050

LATTY®seal U 1112 R

Conceptually similar to **LATTY®seal U 1000** but fitted with a carbon face, **LATTY®seal U 1112 R** fulfills a wide spectrum of applications on commonly used NF EN 12756 equipment. Its conical spring concept makes it dependent on direction of rotation.

Chemical, food processing and bio-engineering industries, water circulation applications.

All corrosive, non-abrasive and non-clogging fluids.

- Approval: NF EN 12756 specification, FDA (on request).

T -20 °C to 180 °C

P < 1 MPa (10 bar)

S < 10 m/s

R BU6V-E

Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
900016804	014	900012771	024	900016812	033	900016817	045	900016820	060	900016825	080
900016805	016	900016809	025	900016813	035	900016818	048	900016821	063		
900016806	018	900016810	028	900016814	038	74638	050	900016822	065		
900016807	020	76775	030	900016815	040	900016819	053	900016823	070		
900016808	022	900016811	032	900016816	043	77958	055	900016824	075		

LATTY®seal U 6812

Targeted at the immense field of process pumps built to NF EN 12756, **LATTY®seal U 6812** offers an instantaneous interchangeability of the rotating face permitting multiple use and cost reduction. Wide spectrum of rotating and stationary faces.

Chemical and petrochemical, food processing and bio-engineering industries, feed water applications, etc.

All corrosive, abrasive and slightly clogging fluids.

- Approval: NF EN 12756 specification, FDA and CE 1935/2004 on request.

T -20 °C to 220 °C

P < 1 MPa (10 bar)

S < 15 m/s

BU6V-E

Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
900016826	018	900016831	030	77396	043	34622	060	900016836	085
900016827	020	900016832	032	45935	045	900016834	063	62275	090
900016828	022	62268	033	900016833	048	62272	065		
900016829	024	68666	035	62270	050	59586	070		
900016830	025	35416	038	77227	053	900016835	075		
62266	028	75625	040	60606	055	49113	080		

U6U6V-E

Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
900016837	018	900016843	030	57880	043	35418	060	900016847	085
900016838	020	900016844	032	35417	045	900016846	063	900016848	090
900016839	022	82628	033	900016845	048	62273	065		
900016840	024	57881	035	62271	050	59587	070		
900016841	025	62269	038	77226	053	44064	075		
900016842	028	59972	040	60605	055	49112	080		

LATTY®seal U 1212



T -20 °C to 180 °C

P < 1 MPa (10 bar)

S < 10 m/s

Conceptually similar to **LATTY®seal U 1000** but fitted with silicon carbide faces, **LATTY®seal U 1212** is particularly suitable for the pumping of light slurry fluids on widely used NF EN 12756 pumps. Its conical spring concept makes it dependent on direction of rotation.

Chemical, food processing and bio-engineering industries, waste water and sewage applications.

All slightly corrosive, abrasive and non-clogging fluids.

- Approval: NF EN 12756 specification, FDA (on request), CE 1935/2004 (on request).

R U6U6V-E

Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
34989	018	35036	025	35040	033	38260	043	21345	053	53490	070
34895	020	35037	028	35041	035	35044	045	35046	055	55558	075
41069	022	35038	030	35042	038	55385	048	38261	060	60227343	080
36691	024	35039	032	35043	040	35045	050	21346	065		

COMPLETE BALANCED MECHANICAL SEALS ●

LATTY®seal B 6810



T -20 °C to 220 °C

P < 2.5 MPa (25 bar)

S < 15 m/s

Aimed at high-pressure process pumps, built to NF EN 12756, **LATTY®seal B 6810** is the compensated version of the **U6810**.

Chemical and petrochemical, food processing and bio-engineering industries, feed water applications, etc.

All corrosive, abrasive and slightly clogging fluids.

- Approval: NF EN 12756 specification, FDA and CE 1935-2004 on request.

AU6V

Article #	Ø	Article #	Ø
85555	030	66814	045
72938	032	85558	048
72938	033	85561	050
64281	035	85562	053
85556	038	84646	055
73555	040	85563	060
71213	043		

Manufactured upon request only. Please consult us

LATTY®seal B 10712



T -20 °C to 180 °C

P < 1 MPa (10 bar)

S < 10 m/s

Solely designed for the saling of highly abrasive or viscous media, **LATTY®seal B 10712** is the forgiving seal that heavy industry requires in terms of endurance and reliability.

Friction torque in tungstene carbide, niquel binder (U2), or silicon carbide (U6).

Its ability to receive abuses is unsurpassed.

Pulp and paper mills, sugar, waste water applications.

All corrosive, abrasive and highly clogging fluids.

- Approval: NF EN 12756 specification, FDA and CE 1935-2004 on request.

LATTY®seal B 17110 / B 17210



T -20 °C to 220 °C

P < 2 MPa (20 bar)

S < 25 m/s

Using a State-of-the-Art welded bellows technology, **LATTY®seal B 17110** provides no hang-up or shaft fretting due to the absence of any semi-dynamic O-rings.

The centrifugal force and natural bellows respiration make **LATTY®seal B 17110** a self cleaning seal. High rotation speeds are achievable.

Chemical, petrochemical, pulp and paper applications

All corrosive, slightly abrasive and clogging fluids.

- Approval on request: FDA, CE 1935/2004.

● LATTY®seal B 17110

B AU6V					
Article #	Ø	Article #	Ø	Article #	Ø
64421	25	85215	40	85220	60
85210	28	85216	43	85221	63
85211	30	85217	45	77599	65
85212	32	81776	48	85222	70
74253	33	85218	50	85223	75
85213	35	90006562	55	85224	80
85214	38	85219	53		

● LATTY®seal B 17210

B U6U6V					
Article #	Ø	Article #	Ø	Article #	Ø
85225	25	85228	40	85231	60
70852	28	85229	43	85232	63
76027	30	77764	45	76014	65
85226	32	67727	48	85223	70
85227	33	80870	50	85234	75
64305	35	85230	53		
68693	38	82098	55		

Manufactured upon request only. Please consult us

LATTY® seal B 23

Standard balanced mechanical seal with a single spring washer and pentagonal drive.

The areas of applications are huge due to the protection design for the spring washer : pumps conveying slurries for the sugar industry, paper industry, extracting industry, for heavy industries, all simple assemblies possible (cartridge, tandem, quench, etc.).

- Approval: NF EN 12756, FDA and CE 1935-2004 on request.



● LATTY® seal B 23112

Manufactured upon request only. Please consult us

T -20 °C to 160 °C
P < 2.5 MPa (25 bar)
S < 20 m/s

BU6V-E Metric											
Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
900016758	018	82581	028	900016765	038	900003289	050	900016770	063	900016773	085
900016759	020	900016762	030	900003288	040	900016768	053	900005337	065	900016774	090
900016760	022	900016763	032	900016766	043	900004134	055	900002452	070	900016775	095
900006513	024	900016764	033	75736	045	900016769	058	900016771	075	900016776	100
900016761	025	900001317	035	900016767	048	900013687	060	900016772	080		

BU6V-E Imperial											
Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
900016777	0.750	900016782	1.375	900016787	2.000	900016792	2.625	900016797	3.250	900016802	3.875
900016778	0.875	900016783	1.500	900016788	2.125	900016793	2.750	900016798	3.375	900016803	4.000
900016779	1.000	900016784	1.625	900016789	2.250	900016794	2.875	900016799	3.500		
900016780	1.125	900016785	1.750	900016790	2.375	900016795	3.000	900016800	3.625		
900016781	1.250	900016786	1.875	900016791	2.500	900016796	3.125	900016801	3.750		



● LATTY® seal B 23212

Manufactured upon request only. Please consult us

U6U6V Metric						U6U6V Imperial					
Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
71514	018	71524	038	71534	063	71544	0.750	71554	2.000	71564	3.250
71515	020	71525	040	71535	065	71545	0.875	71555	2.125	71565	3.375
71516	022	71526	043	71536	070	71546	1.000	71556	2.250	71566	3.500
71517	024	71527	045	71537	075	71547	1.125	71557	2.375	71567	3.625
71518	025	71528	048	71538	080	71548	1.250	71558	2.500	71568	3.750
71519	028	71529	050	71539	085	71549	1.375	71559	2.625	71569	3.875
71520	030	71530	053	71540	090	71550	1.500	71560	2.750	71570	4.000
71521	032	71531	055	71541	095	71551	1.625	71561	2.875		
71522	033	71532	058	71214	100	71552	1.750	71562	3.000		
71523	035	71533	060			71553	1.875	71563	3.125		

- Approval: NF EN 12756, FDA and CE 1935-2004 on request.

LATTY® seal B 18212



LATTY® seal B 18212, designed in compliance with NF EN 12756 is suitable for use in severe application cases due to its strength and reliability.

The use of an overdimensioned cylindrical spring and the friction faces made of silicium carbide U3 (Q2) or, for the most difficult cases of tungsten carbide with nickel binder U2 (U2), make it a complete balanced mechanical seal that has proven its efficiency with in extremely severe atmospheres.

Iron and steel industry, sugar industry, paper industry, treatment of waste water, heavy industry, etc.

Any corrosive, abrasive and clogging fluid.

- Approval: NF EN 12756, FDA and CE 1935-2004 on request.

U6U6V	
Article #	Ø
75306	055
62281	060
75307	065
75308	070
75309	075
75310	080
75311	085
66966	090
63157697	095
61808	100

T -20 °C to 180 °C

P < 2.5 MPa (25 bar)

S < 20 m/s

Manufactured upon request only. Please consult us

LATTY® seal 16670 A3



T -20 °C to 220 °C
P < 1 MPa (10 bar)
S < 15 m/s

Manufactured upon request only.
Please consult us

Since no metal part is in contact with the media, the externally mounted **LATTY® seal 16670 A3** withstands highly corrosive media. Due to a lateral tightening screw and an engraved reference line, installation is quick and simple.

Chemical, food industry, reactors applications.

All highly corrosive, abrasive and slightly clogging fluids.

- Approval: FDA (on request).

A3 U6U6V									
Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
85278	025	81641	033	85284	043	85287	053	85292	063
85279	028	74873	035	81947	045	85288	055	85293	065
85280	030	85282	038	85285	048	85289	058	85294	070
85281	032	85283	040	85286	050	85290	060		

A3 BU6V									
Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
85261	025	85265	033	85239	043	74260	053	85275	063
85262	028	85266	035	85270	045	85273	055	85276	065
85263	030	85267	038	85271	048	85274	058	85277	070
85264	032	85268	040	85272	050	74259	060		

A3 BVV									
Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø	Article #	Ø
85243	025	85247	033	85251	043	85255	053	82258	063
85244	028	85248	035	85252	045	85256	055	82259	065
85245	030	85249	038	85253	048	85257	058	85260	070
85246	032	85250	040	85254	050	56795	060		

ACCESSORIES

GDL/THERMO



Servo-control and lubrication

LATTY® international provides all servo-controls, thermo-syphon and lubrication units as required, specially suited to the operation of mechanical seals.

The **lubrication modules** (Groupes De Lubrification - GDL) simultaneously maintain the pressure in the seal boxes and also carry out barrier fluid temperature control. They can be used for all models of seals and types of fitting (for example, double, tandem, etc.).

Stainless steel thermosiphons ensure the circulation of the barrier fluids through the boxes and other series of **LATTY®** mechanical seals.

MODULES



Performance materials such as Hastelloy®, titanium, Uranus® for the metal components, perfluoride seals (Kalrez®, Parofluor®) or proven contact surfaces used in the construction of our cartridge and box assemblies provide resistance to particularly aggressive and corrosive atmospheres.

- Approval on request: FDA, CE 1935/2004, ATEX, ACS.

All spare parts on simple request – Please contact us!