

## Chemical standard pumps Series CNP

- ⦿ Product overview
- ⦿ Executions
- ⦿ Materials
- ⦿ Types of seals
- ⦿ Dimensional drawings and exploded views





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## Strobl Pumpen – Your Partner for High-Quality Centrifugal Pumps „Made in Germany“

Since 2006, **Strobl Pumpen** has been representing the highest quality, innovation, and precision in fluid handling. Whether for municipal applications, mechanical engineering, shipbuilding, or the demanding chemical and oil industries – we offer **customized pump solutions** perfectly fitting to your requirements

Our goal is simple: **to find the best solution for your pumping challenge.** That’s why we not only supply individual pumps, but also complete systems and packages – all from one single source.

### Quality you can rely on:

Our products are designed and manufactured exclusively in Germany and proudly bear the “Made in Germany” seal of quality. From the initial design to final testing, precision is our top priority. Our ISO 9001 certification guarantees consistently high standards – day after day, year after year.



### Innovation meets responsibility:

We think ahead – also with the future in mind. Sustainability is not just a buzzword for us, but a lived reality. Energy-efficient machinery, rainwater harvesting, an electric vehicle fleet, and energy-optimized buildings are all part of our corporate philosophy. Since 2019, we have been a proud member of a Bavarian environmental alliance called “**Umweltpakt Bayern**” and voluntarily commit to additional environmental measures.



### A family business with heart and mind:

As family owned and managed company based in **Hilpoltstein, Bavaria, near Nuremberg**, we combine traditional values with modern engineering. Our highly motivated team is the heart of our success – dedicated, solution-oriented, and always focused on what matters most:

**Your satisfaction.**



With continuous development, technical excellence, and a spirit of partnership, we are shaping the future of fluid handling.

**Strobl Pumpen – We move fluids. Precisely. Reliably. Sustainably.**



## General description

**Chemical standard pumps in the CNP series** are single-stage, normal-priming centrifugal pumps that have been developed for use in the chemical and petrochemical industries. The pumps are characterized by standardized dimensions and hydraulic performance, based on ISO 2858. This is supplemented by smaller and larger sizes. Our series covers the full range, from simple basic variants to ISO 5199 variants and API 610-OH1 versions. The possible scope of supply ranges from individual pumps with free shaft ends to fully developed, highly integrated complete systems.

## Fields of application

Chemical standard pumps are primarily used to pump various liquids in the chemical industry. Due to the variety of available materials, they can also handle aggressive or abrasive liquids. These pumps can handle acids, alkalis, and slightly viscous substances. Our clients currently use chemical standard pumps in the following areas:



- ⦿ Conveying of process liquids
- ⦿ Hydrogen production
- ⦿ Chemical recycling of plastic waste



- ⦿ Industry and plant engineering
- ⦿ Circulation of liquids
- ⦿ Refinery and offshore applications

## Operating data

Flow:	Q up to 1500 m <sup>3</sup> /h
Head:	H up to 160 m
Motor power:	P from 0,37 kW to 355 kW
Casing design pressure:	Series CNP/CNPL/CNPN: 16 bar at 20°C 25 bar at 20°C, material with higher strenght
	Series CNPHL/CNPHN: 100 bar at 20°C
	Series CNPH2L/CNPH2N: 250 bar at 20°C

Medium temperatures: from -20°C to 350°C

Other operating data and variants with heating and cooling jackets are available on request.

# STROBL PUMPEN

## Connections

Flanges are designed as RF flanges in accordance with EN 1092-2/PN16 as standard. For variants with higher pressure ratings, the pump casings are equipped with flanges in accordance with EN 1092-2/PN25, PN100, PN250 or special high-pressure flanges, depending on the application. As an alternative, all flanges can be drilled according to the relevant ANSI B16.5 variants (150RF or 300RF). Adapters for special customer-specific flanges, other standards or threaded connections are available on request.

General

## Type code

### Series

#### CNPL 40-25-160-XX

- |            |  |
|------------|--|
| CNPL/CNPHL | - Horizontal chemical standard pump, with oil lubricated bearing and free shaft end (standard version) |
| CNPN/CNPHN | - Horizontal chemical standard pump in close coupled version   |
| CNPVS      | - Vertical sump pump with medium lubricated guide bushings   |

Our **CNPL** and **CNPHL** series pumps are designed with high-performance, oil-lubricated bearings and a free shaft end. The bearings can optionally be supplied as grease-lubricated or high-temperature versions. The free shaft ends make it possible to use different versions of drives on the pump. To ensure correct installation of pump, drive and coupling, all our pumps can be supplied with different base frame options. If additional drip leakage needs to be drained away precisely, our base frames can also be equipped with a drip tray and drain connection.

Our **CNPN/CNPHN** series pumps do not require any own bearings. The motors are flanged directly to the pumps. Standard motors are equipped with stub shafts for this purpose. This design is more compact and shorter than the CNPL/CNPHL series, and bearing maintenance intervals are completely eliminated.

Our **CNPVS** pumps are designed for direct tank installation. In this configuration, the casing and impellers are fully submerged in the medium, while the motor is installed in a dry location. This design complies with VS4 according to API610. Depending on the version, the existing intermediate bearings used for shaft guidance are lubricated either directly with the pumped medium or with grease.

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### Nominal size of suction nozzle

CNPL **40**-25-160-XX      See dimensional drawing or characteristic curve

### Nominal size of pressure nozzle

CNPL 40-**25**-160-XX      See dimensional drawing or characteristic curve

### Nominal diameter of impeller

CNPL 40-25-**160**-XX      See dimensional drawing or characteristic curve

### Impeller execution

CNPL-**I** 40-25-160-XX

- |   |                               |
|---|-------------------------------|
|   | - closed multi-blade impeller |
| O | - semi-open impeller          |
| I | - Inducer                     |

### Execution code

CNPL 40-25-160-**X31**

- Standard version
- X01 - Version with casing wear ring
- X10 - Version PN25 if not identical to PN16
- X11 - Version PN25 if not identical to PN16 + casing wear ring
- X20 - Version PN40 if not identical to PN16
- X21 - Version PN40 if not identical to PN16 + casing wear ring
- X30 - Version ANSI RF150
- X31 - Version ANSI RF150 + casing wear ring
- X40 - Version ANSI RF300
- X41 - Version ANSI RF300 + casing wear ring
- XXX - Special versions, e.g. with vent piping, etc.

# STROBL PUMPEN

## Materials

Please note the information below for the following material tables

- ⊙ Standard variants of the materials in Table 1
- ⊙ Further material options in Table 2
- ⊙ Wear rings available in other materials or with hard facing on request
- ⊙ Can for MAK (magnetic coupling) made of Hastelloy as standard, other materials available
- ⊙ For CNPH variants, Can of MAK is made of titanium as standard

General

Part	Material code								
	Y116	Y106	Y117	Y108	Y410	Y408	Y501	Y601	Y602
<b>Casing</b>	Cast iron GG 25		Nodular cast iron GGG40		Carbon steel 1.0619		Stainless steel 1.4571/1.4408	Duplex steel 1.4470	Superduplex 1.4469
<b>Impeller</b>	Stainless steel 1.4571/1.4408							Duplex steel 1.4470	Superduplex 1.4469
<b>Casing wear ring</b>	Non metallic material PEEK CF30								
<b>Shaft</b>	Chromium steel 1.4021	Duplex steel 1.4462	Chromium steel 1.4021	Duplex steel 1.4462	Chromium steel 1.4021	Duplex steel 1.4462			Superduplex 1.4501
<b>Bearing housing and lantern</b>	Cast iron GG 20/25								
<b>For variants with sealing variant Z8XX (magnetic coupling)</b>									
<b>Secondary containment</b>	Stainless steel 1.4571								
<b>Can (MAK)</b>	Hastelloy 2.4610								
<b>Material code according API</b>						S8	A8	D1	D2

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Material	DIN EN 10027-1	Code	ASTM-UNS-Code
Cast Iron	GG 25	0.6025	A48 Grade 35
Nodular Cast Iron	GGG 40	0.7040	A536-60-40-18
Bronze	G-CuSn10	2.1050.01	B505-C90700
Aluminium Bronze	G-CuAl10Ni	2.0975.01	B505-C90500
	CuAl11Ni6Fe6	2.0978	B150-C63020
Hard Iron	G-X300CrMo15-3	0.9635	A532-Class II Typ B
Cast Steel / Steel	GS-C25	1.0619	A216-WCB-J03002
	S235Jr (St 37)	1.0037	A29-1013-G10150
	C 22	1.0402	A29-1020-G10200
	G20Mn5	1.6220	A352-LCC-J03003
Chromium Steel	G-X4CrNi13-4	1.4317	A487-CA6NM-J91540
	X20Cr13	1.4021	A276-S42000
Stainless Steel	G-X5CrNiMo19-11-2	1.4408	A351-CF8M-J92900
	X6CrNiMoTi17-12-2	1.4571	A276-316Ti-S31635
	G-X1CrNiSi18-15-4	1.4361	Alloy 1815 - S30600
	X1CrNiSi18-15-4	1.4361	Alloy 1815 - S30600
Duplex Steel	G-X2CrNiMoN22-5-3	1.4470	A995-4A-J92905
	X2CrNoMoN22-5-3	1.4462	A276-S31803
Super Duplex Steel	X2CrNiMoN26-7-4	1.4469	A995-5A-J93404
	X2CrNiMoCuWN25-7-4	1.4501	A276-S32760
Duplex Hard Iron	G-X40CrNiMo27-5	1.4464	
High Alloy Stainless Steel	G-X2CrNiMoCuN20-18-6	1.4557	A744-6Mo-J93254
	X1CrNiMoCuN20-18-7	1.4547	A276-6Mo-S31254
	G-X2NiCrMoCuN25-20-6	1.4588	A744-CN3MN - J94651
	X1NiCrMoCuN25-20-7	1.4529	Alloy 926 - N08926
	G-X2NiCrMoCu25-20-5	1.4584	(Alloy 904L - N08904)
	X1NiCrMoCu25-20-5	1.4539	Alloy 904L - N08904
	X1NiCrMoCu31-27-4	1.4563	Alloy28 - N08028
	G-X1CrNiMoCuN33-32-1	1.4591s	Alloy 33
	X1CrNiMoCuN33-32-1	1.4591	Alloy 33 - R20033
Nickel	G-Ni95	2.4171	Ni 95
	Ni200 / Ni201	2.4066/2.4068	Ni200 / Ni201 - N02200/02201
Alloy 825	G-NiCr21Mo	2.4858	Alloy 825 -
	NiCr21Mo	2.4858	Alloy 825 -
Hastelloy B	G-NiMo30	2.4810	Hastelloy B - N10001
	NiMo28 / NiMo29Cr	2.4617/2.4600	Hastelloy B2/B3 - N10675
Hastelloy C	G-NiMo16Cr16Ti	2.4610	Hastelloy C4 - N06455
	NiCr16Mo15W	2.4819	Hastelloy C 276 - N10276
Inconel 718	NiCr19NbMo	2.4668	Alloy 718 - N07718
Titanium Grade 2	Ti 2	3.7035	Grade 2 - R50400
Titanium Grade 5	Ti 6Al-4V	3.7164/65	Grade 5 - R56400
Titanium 6-2-4-6	Ti 6-2-4-6		
Titanium Grade 7	Ti-0,15Pd	3.7235	Grade 7 - R52400
Titanium Grade 16	Ti-0,05Pd		Grade 16 - R52402
Zirconium Z702	Zirconium		ZR 702 - R60702

## Types of seals

Directly integrated balanced or unbalanced seals (Z1XX or Z2XX)

- ⊙ Standard version: Direction-of-rotation-independent rubber bellow seal with carbon/SiC material combination and elastomers in NBR, FKM, EPDM, HNBR, etc.
- ⊙ Special versions with covered springs, metal bellow or highly chemical-resistant elastomers such as FFKM

Cartridge seals installed on the casing cover

- ⊙ Connections to cartridge seals always NPT thread  $\frac{1}{4}$ " ,  $\frac{3}{8}$ "  $\frac{1}{2}$ " according to seal size/shaft diameter
- ⊙ Cartridge seals standardized to match pump material, higher-quality materials for parts in contact with media possible at any time
- ⊙ Single-acting seals as above, but with flush connections and throttle chambers (quench chambers) for leakage drainage or liquid supply (e.g. API Plan 02, 11/61) (Z1XX or Z2XX)
- ⊙ Double-acting seals in back-to-back arrangement and integrated pumping thread (API Plan 53b) (Z3XX)
  - Material pairings as desired and depending on the medium
  - Carbon/SiC or SiC/SiC on the product side and carbon/SiC on the atmospheric side
  - O-rings in contact with the medium available in various materials (NBR, FKM, EPDM, FFKM), etc.
- ⊙ Any cartridge seal (specific manufacturers, design variants, etc.) is possible on request
- ⊙ Mounted sealing systems on base frame are possible

Sealless variant with magnetic coupling (Z8XX)

- ⊙ Medium-lubricated slide bearing in SiC/SiC + 1.4571
- ⊙ Can in Hastelloy (see material table)
- ⊙ Magnets made of Sm2Co17
- ⊙ Any additional static sealing elements required made of any elastomers
- ⊙ Safety chamber behind the magnetic coupling is available in various designs (leakage drainage only, throttle bushing, gas seal)

Other versions available on request (e.g. packing)

Chemical standard pumps  
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## Drives

Standard three-phase asynchronous motors with efficiency classes in accordance with EN 60034-30 are used as drives in complete systems or the CNPN/CNPHN variants.

Optionally, motors in higher efficiency classes, according to NEMA (electrical or mechanical), hazardous location versions (ATEX), and special designs with specific approvals or classifications are available.

Depending on the motor and application, supplementary control panels or frequency converters can be supplied with the drive and mounted directly on the motor or attached to the base frame.

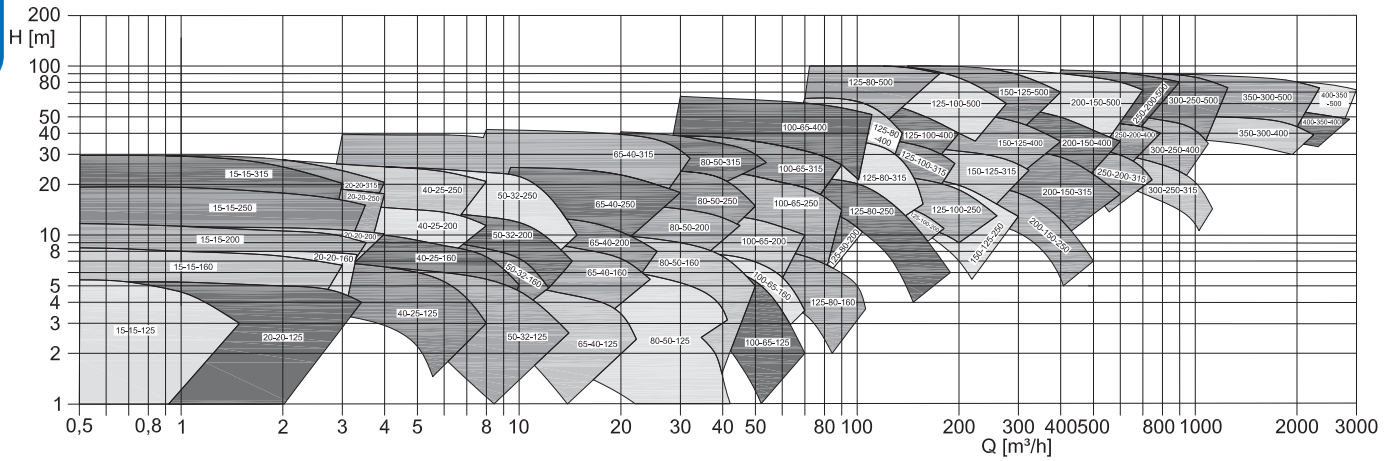
General

# STROBL PUMPEN

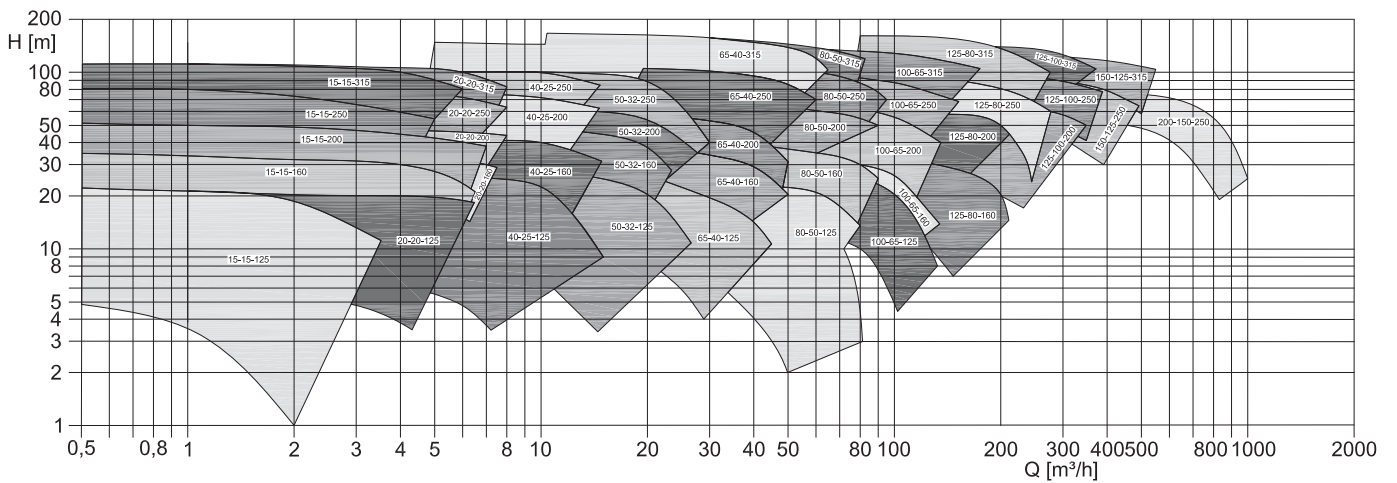
## Characteristic curves

50Hz - 1500 min<sup>-1</sup>

General



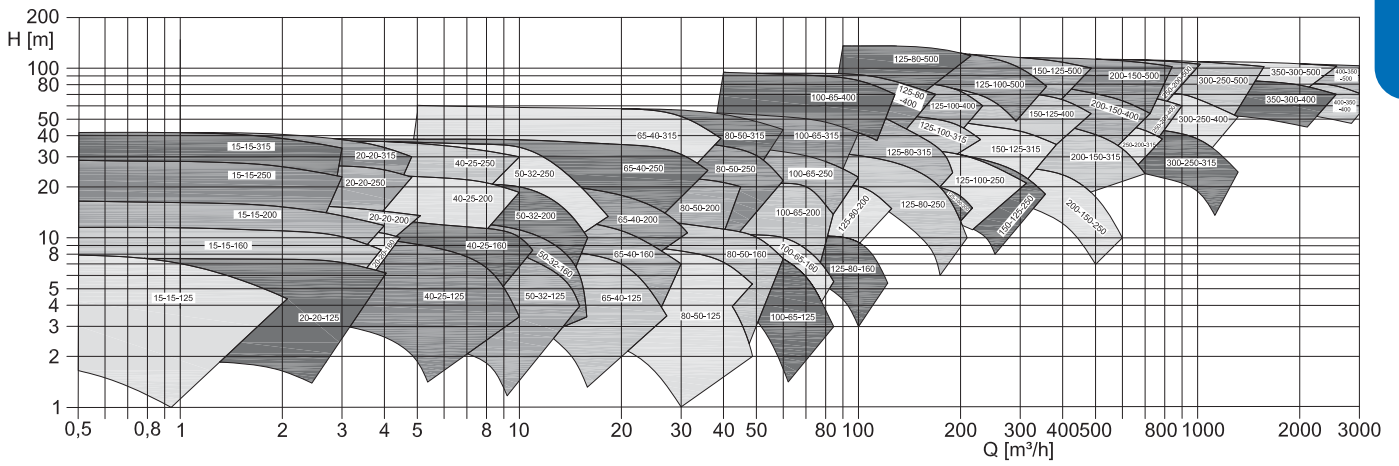
50Hz - 3000min<sup>-1</sup>



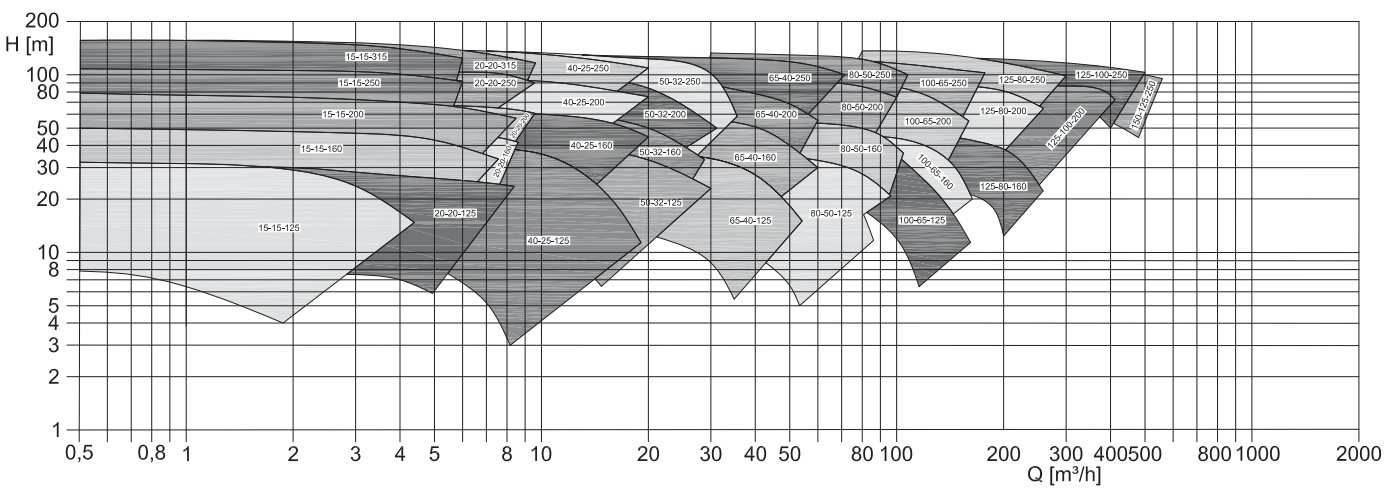
Chemical standard pumps  
Series CNP



60Hz - 1800min-1



60Hz - 3600 min-1



General

# STROBL PUMPEN





## Information on dimensional drawings and exploded views

Please note the information below regarding the following pages:

- ⦿ All dimensions are given in mm.
- ⦿ Flanges are designed in accordance with EN 1092-2 PN16, PN25 or PN40 as standard.
- ⦿ Flanges can alternatively be drilled in accordance with ANSI B16.5 150RF or 300RF.
- ⦿ Weights of individual components are available on request for specific orders.
- ⦿ Dimensional drawings for the CNPN/CNPHN series as well as for other sizes and special variants are available on request.

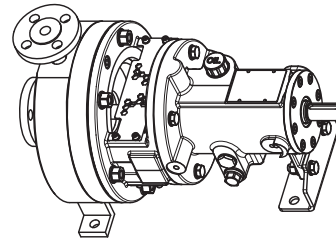
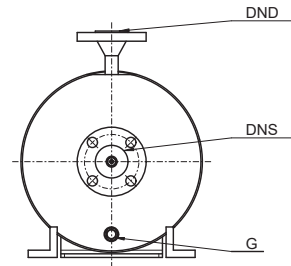
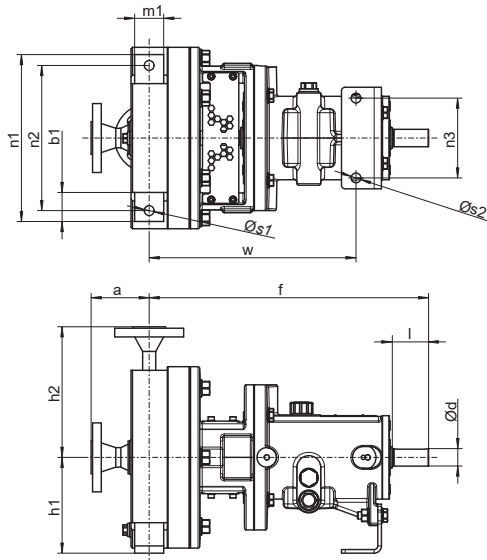


# STROBL PUMPEN

## Dimensional drawings

CNPL 15-15-XXX

Pump with free shaft end



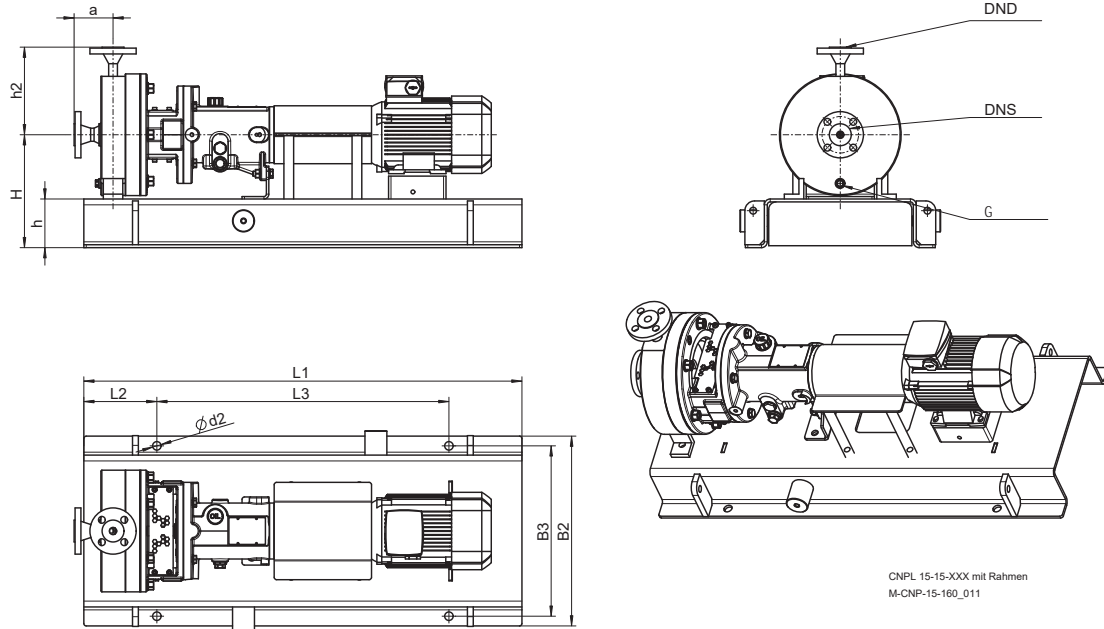
CNP 15-15-XXX  
M-CNP-15-160\_001

Type	DNS	DND	a	b1	Ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	Øs1	Øs2	w	Weight (kg)
15-15-125	15	15	80	40	24	385	1/4"	112	140	50	40	--	190	160	110	14	14	285	40
15-15-160			90	389		132		180	230				200	289				58	
15-15-200			100	55	386	160	200	280	230	286	69								
15-15-250			50	32	500	3/8"	180	225	250	370	112								
15-15-315			125	65	200	250	80	120	95	330	280	147							

Chemical standard pumps  
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Pump with coupling, motor and base frame

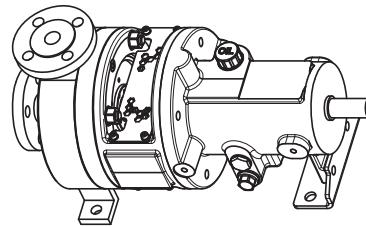
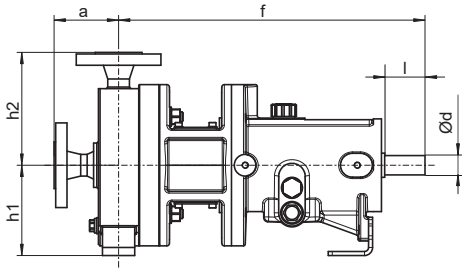
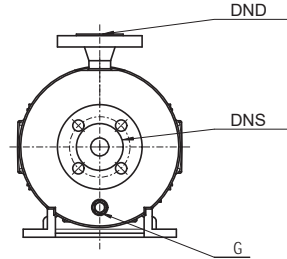
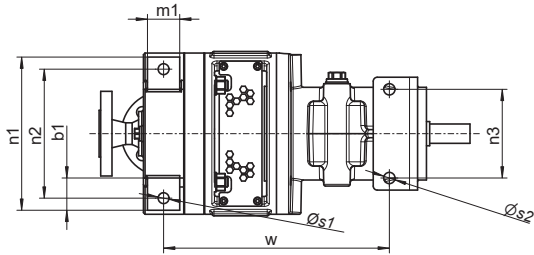


Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
15-15-125	15	15	71M bis 132M	80	custom made			140	custom made		1/4"			custom made
15-15-160				90				180						
15-15-200				100				200						
15-15-250				125				225						
15-15-315				125				250						

# STROBL PUMPEN

## CNPL 20-20-XXX Pump with free shaft end



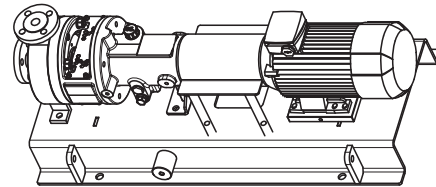
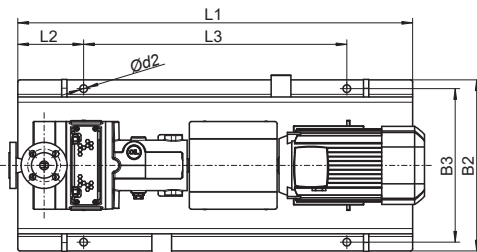
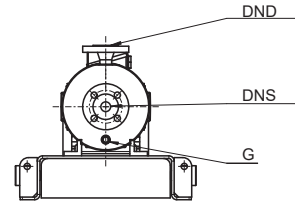
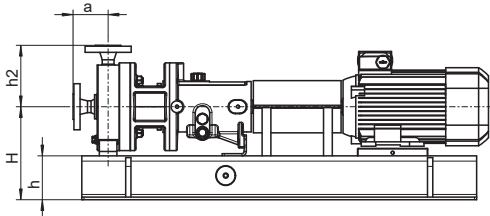
CNPL 20-20-XXX  
M-CNP-20-125\_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	øs1	øs2	w	Weight (kg)
20-20-125	20	20	80	40	24	385	1/4"	112	140	50	40	--	190	160	110	14	14	285	40
20-20-160			90			389		132	180				230	200				289	58
20-20-200			100	55	386	160	200	280	230	286	69								
20-20-250			50	32	500	3/8"	180	225	250	370	112								
20-20-315			125				65	200	250			80	120	95				330	280

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



CNPL 20-20-XXX mit Rahmen  
M-CNP-20-125\_027

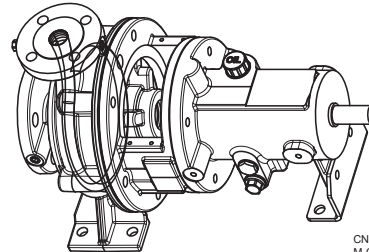
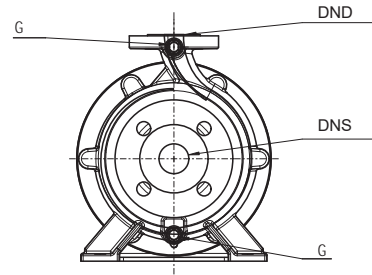
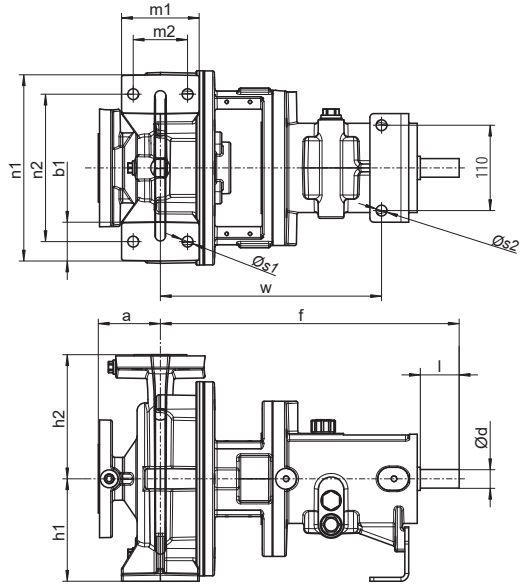
Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
20-20-125	20	20	71M bis 132M	80	custom made	custom made		140	custom made		1/4"	custom made		
20-20-160				90				180						
20-20-200				100				200						
20-20-250				125				225						
20-20-315				125				250						

Dimensional drawings

# STROBL PUMPEN

## CNPL 40-25-XXX Pump with free shaft end

Dimensional drawings



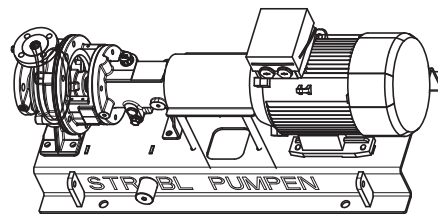
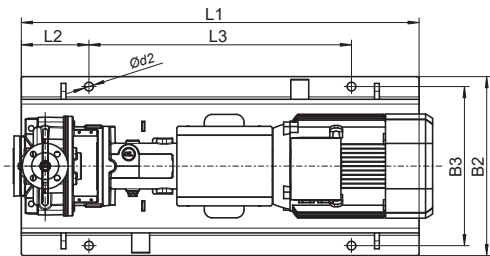
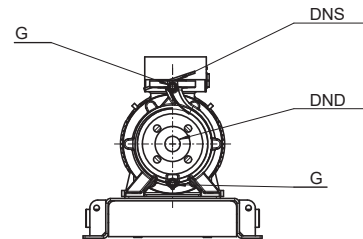
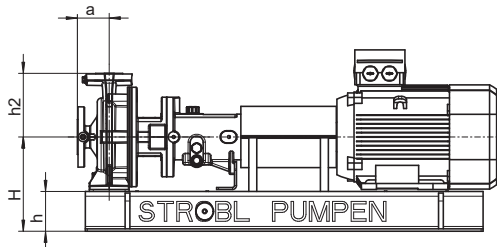
CNP 40-25-XXX  
M-CNP-25-160\_001

Type	DNS	DND	a	b1	Ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	Øs1	Øs2	w	Weight (kg)
40-25-125	40	25	80	50	24	385	1/4"	112	140	50	100	70	190	140	140	14	14	280	40
40-25-160								132	160				240	190	285				48
40-25-200								160	180				320	280	370				55
40-25-250								180	225				80	125	95				320

Chemical standard pumps  
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Pump with coupling, motor and base frame



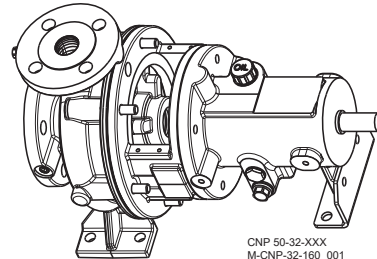
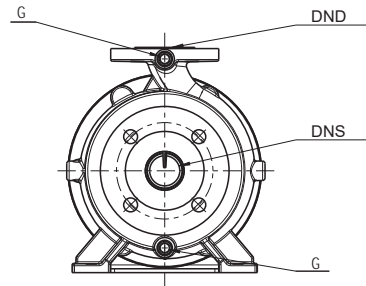
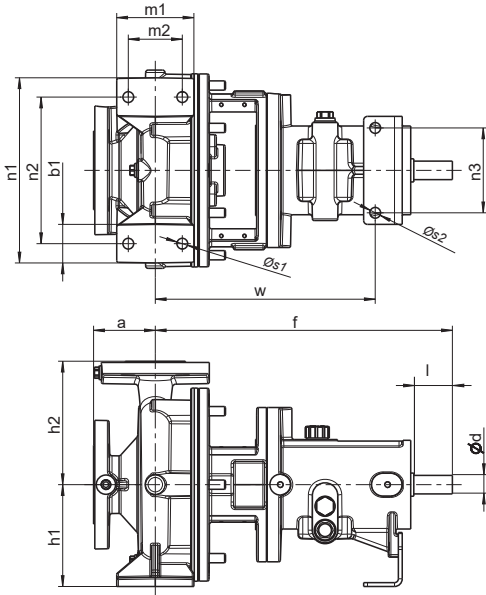
CNPL 40-25-XXX mit Rahmen  
M-CNP-25-160\_114

Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	Ød2	h2	h	H	G	L1	L2	L3
40-25-125	40	25	71M bis 132M	80	custom made	custom made		140	custom made		1/4"	custom made		
40-25-160			71M bis 180L					160						
40-25-200			71M bis 180L					180						
40-25-250			80M bis 180L	100				225						

# STROBL PUMPEN

## CNPL 50-32-XXX Pump with free shaft end



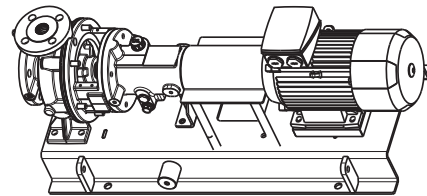
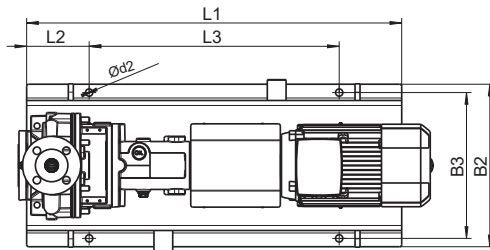
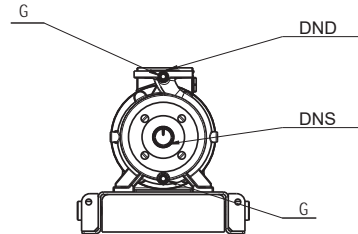
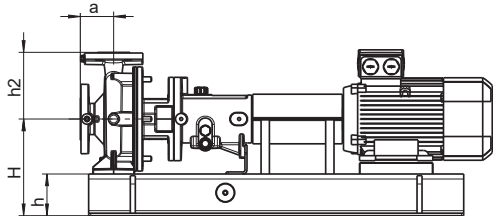
CNP 50-32-XXX  
M-CNP-32-160\_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	øs1	øS2	w	Weight (kg)
50-32-125	50	32	80	50	24	385	1/4"	112	140	50	100	70	190	140	110	14	14	285	42
50-32-160								132	160				240	190					51
50-32-200								160	180				240	190					59
50-32-250			100	65	32	500	3/8"	180	225	80	125	95	320	250	370	105			

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



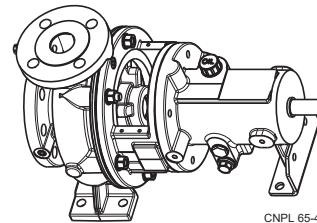
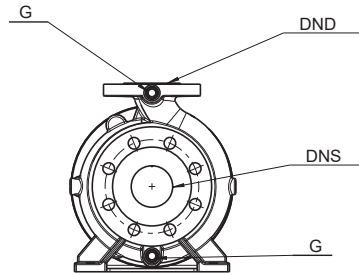
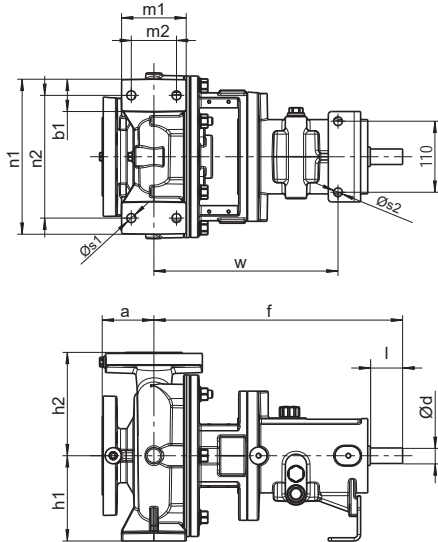
CNPL 50-32-XXX mit Rahmen  
M-CNP-32-160\_010

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3	
50-32-125	50	32	71M bis 90S	80	360	320	17,5	140	100	240	1/4"	800	130	540	
			90L bis 112M		390	350						900	150	600	
			132S bis 132M		450	400						22	1000	170	660
71M bis 90S			360		320	17,5	160			260		800	130	540	
90L bis 112M			390		350							900	150	600	
132S bis 132M			450		400							22	1000	170	660
50-32-200			71M bis 90S	360	320	17,5	180	280		800		130	540		
			90L bis 112M	390	350					900		150	600		
			132S bis 132M	450	400					1000		170	660		
			160M	490	440					1120		190	740		
50-32-250			80M bis 112M	100	450	400	22	225		325		3/8"	1000	170	660
			132 S bis 132M		490	440							1120	190	740
	160M bis 180L	540	490		120	345			1250	205	840				
	200L	610	550		26	140			365	1400	230		940		

Dimensional drawings

# STROBL PUMPEN

## CNPL 65-40-XXX Pump with free shaft end



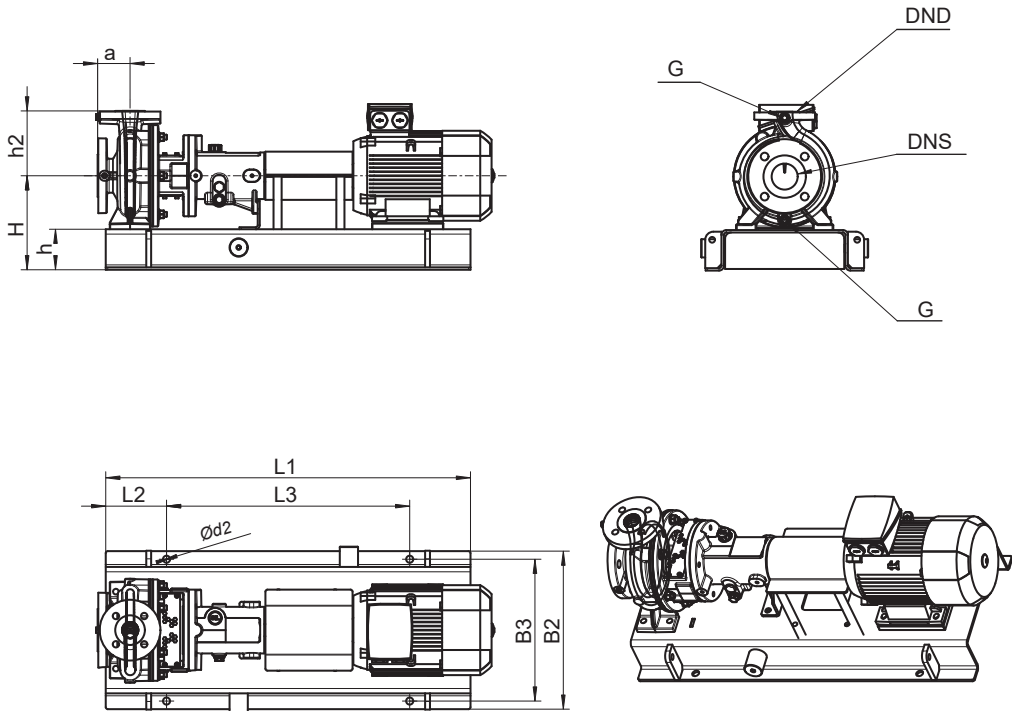
CNPL 65-40-XXX  
M-CNP-40-160\_001

Type	DNS	DND	a	b1	Ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	Øs1	Øs2	w	Weight (kg)				
65-40-125	65	40	80	50	24	385	1/4"	112	140	50	100	70	210	160	110	14	14	285	42				
65-40-160								132	160				240	190					53				
65-40-200			100				160	180	265	212	61												
65-40-250							65	32	500	3/8"	180	225	80	125					95	320	250	370	109
65-40-315											200	250	345	280					132				

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



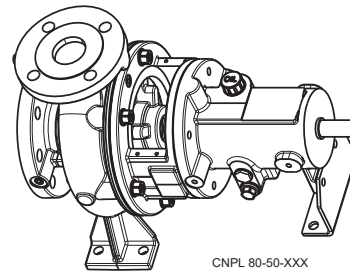
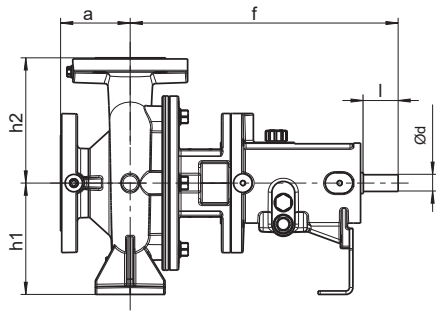
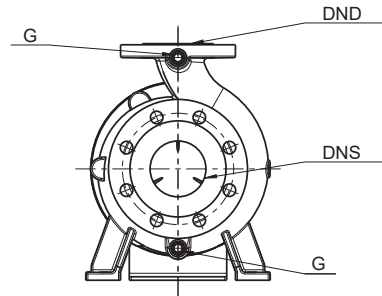
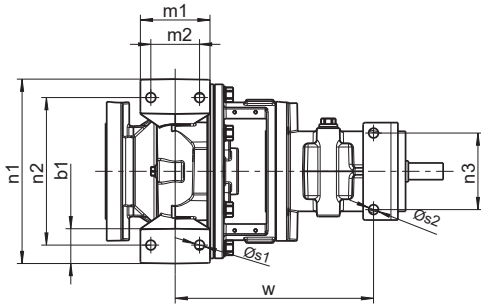
CNP 65-40-XXX mit Rahmen  
M-CNP-40-160\_010

Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	Ød2	h2	h	H	G	L1	L2	L3
65-40-125	65	40	71M bis 90S	80	360	320	17,5	140	100	240	1/4"	800	130	540
			90L bis 112M		390	350						900	150	600
			132S bis 132M		450	400						22	1000	170
65-40-160			71M bis 90S	360	320	17,5	160	100	260	1/4"	800	130	540	
			90L bis 112M	390	350						900	150	600	
			132S bis 132M	450	400						22	1000	170	660
			160M bis 160L	490	440						1120	190	740	
65-40-200			80M bis 112M	390	350	17,5	180	100	280	1/4"	900	150	600	
			132S bis 132M	450	400						1000	170	660	
			160M bis 160L	490	440						1120	190	740	
65-40-250			80M bis 112M	100	450	400	22	225	325	3/8"	1000	170	660	
			132S bis 132M	490	440	1120					190	740		
			160M bis 180L	540	490	120			345		1250	205	840	
			200L	610	550	26			140		365	1400	230	940
65-40-315			80M bis 132M	125	490	440	22	250	100	350	1120	190	740	
	160M bis 180L	540	490	120	370	1250			205	840				
	200L bis 225M	610	550	26	140	390			1400	230	940			

# STROBL PUMPEN

## CNPL 80-50-XXX Pump with free shaft end

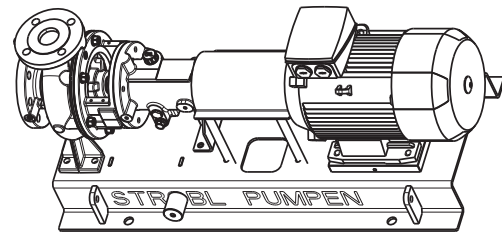
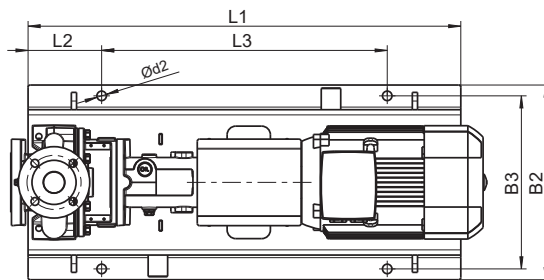
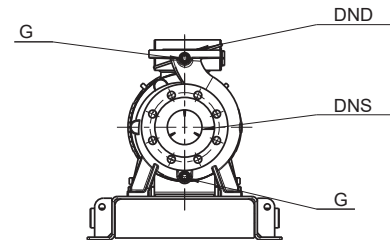
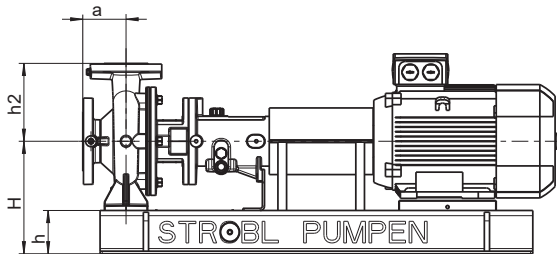


CNPL 80-50-XXX  
M-CNP-50-160\_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	øs1	øs2	w	Weight (kg)
80-50-125	80	50	100	50	24	385	1/4"	132	160	50	100	70	240	190	110	14	14	285	47
80-50-160								160	180				265	212					57
80-50-200								160	200				265	212					64
80-50-250			180	225	320	250	108												
80-50-315			225	280	345	280	141												
			125	65	32	500	3/8"	180	225	80	125	95	320	250				370	



Pump with coupling, motor and base frame



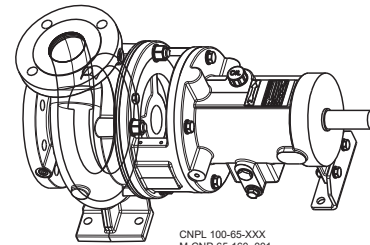
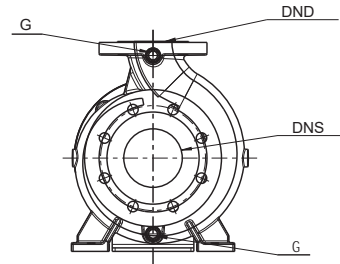
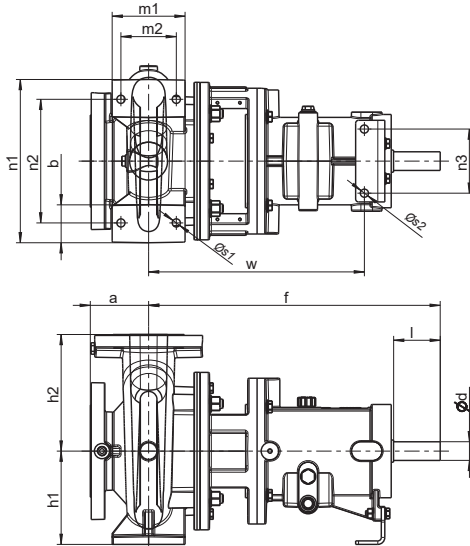
CNPL 80-50-XXX mit Rahmen  
M-CNP-50-160\_017

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3	
80-50-125	80	50	71M bis 90S	100	360	320	17,5	160	100	260	1/4"	800	130	540	
			90L bis 112M		390	350						900	150	600	
			132S und 132M		450	400						22	1000	170	660
80-50-160			80M bis 112M	390	350	17,5	180	100	280	900		150	600		
			132S und 132M	450	400	22				1000		170	660		
			160M bis 180M	490	440	1120				190		740			
80-50-200			80M bis 112M	390	350	17,5	200	100	300	900		150	600		
			132S und 132M	450	400	22				1000		170	660		
			160M bis 180M	490	440	1120				190		740			
80-50-250			80M bis 112M	450	400	22	225	120	325	345		1000	170	660	
			132S bis 132M	490	440	22			325			1120	190	740	
			160M bis 180L	540	490	26			140			365	1250	205	840
			200L bis 225M	610	550	26			140			365	1400	230	940
80-50-315			80M bis 132M	125	490	440	22	280	100	380		3/8"	1120	190	740
			160M bis 180L	540	490	22	120		400	1250			205	840	
	200L bis 225M	610	550	26	140	420	1400		230	940					
	250M	660	600	26	160	440	1600		270	1060					
	280S	730	670	26	150	430	1800		300	1200					

Dimensional drawings

# STROBL PUMPEN

## CNPL 100-65-XXX Pump with free shaft end



CNPL 100-65-XXX  
M-CNP-65-160\_001

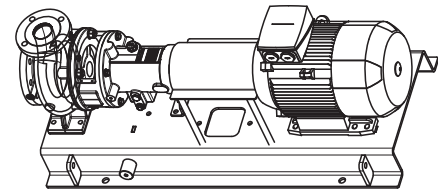
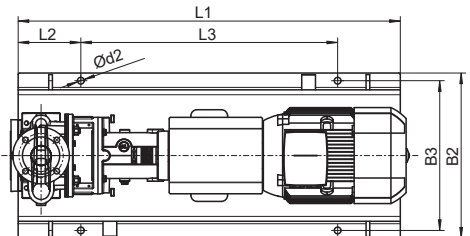
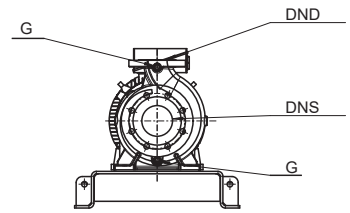
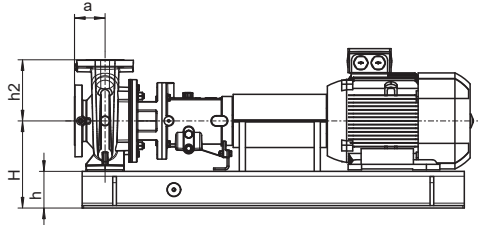
Dimensional  
drawings

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	øS1	øS2	w	Weight (kg)	
100-65-125	100	65	100	65	24	385	3/8"	160	180	50	125	95	280	212	110	14	14	370	285	61
100-65-160					200	80			108											
100-65-200					320				250	108										
100-65-250			125	80	200	250		160	120	400	315	18	370	118						
100-65-315					225	280								110					168	
100-65-400					280	355								110					160	120

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



CNPL 100-65-XXX mit Rahmen  
M-CNP-65-160\_035

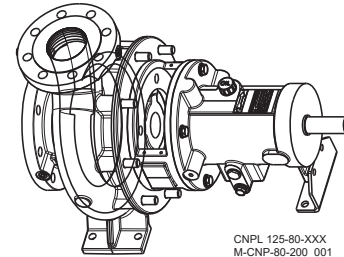
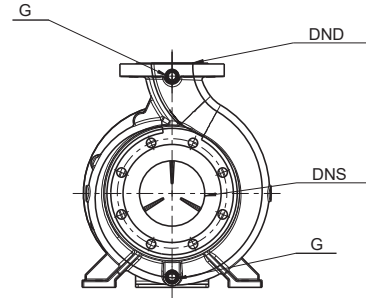
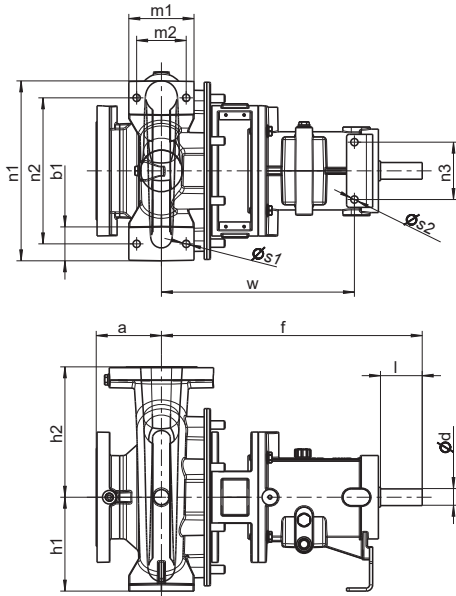
Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
100-65-125	100	65	80M bis 112M	100	390	350	17,5	180	100	280	3/8"	900	150	600
			132S bis 132M		450	400	22					1000	170	660
			160M		490	440	1120					190	740	
100-65-160			80M		390	350	17,5	200	120	320		900	150	600
			90S bis 112M		450	400	22					1000	170	660
			132S bis 132M		490	440	22					1120	190	740
			160M bis 180L		540	490	26					1250	205	840
100-65-200			200L		610	550	26	225	140	340		1400	230	940
			80M bis 90L		450	400	22					1000	170	660
			100L bis 132M		490	440	22					1120	190	740
			160M bis 180M		540	490	26					1250	205	840
100-65-250			180L225M		610	550	26	250	140	390		1400	230	940
			80M bis 132M		490	440	22					1120	190	740
			160M bis 180M		540	490	26					1250	205	840
			180L bis 225M		610	550	26					1400	270	1060
	250M	660	600	26	1600	270	1060							
100-65-315	280S	730	670	26	280	150	400	1800	300	1200				
	100L bis 160M	540	490	22				1250	205	840				
	160L bis 225S	610	550	26				1400	230	940				
	225M bis 250M	660	600	26				1600	270	1060				
100-65-400			280S bis 280M	730	670	26	150	430			1800	300	1200	
custom made														

# STROBL PUMPEN

## CNPL 125-80-XXX Pump with free shaft end

Dimensional drawings



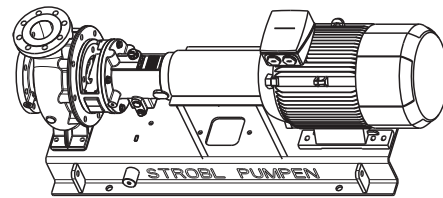
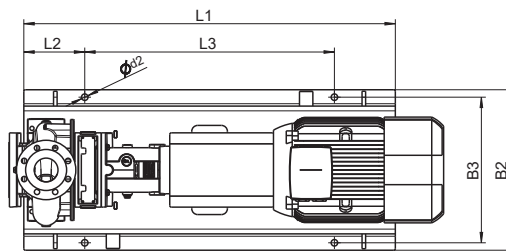
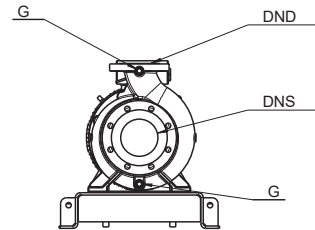
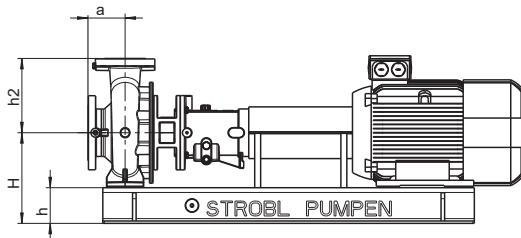
CNPL 125-80-XXX  
M-CNP-80-200\_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	ø <sub>s1</sub>	ø <sub>s2</sub>	w	Weight (kg)
125-80-160	125	80	125	65	32	500	3/8"	180	225	80	125	95	320	250	110	14	14	370	114
125-80-200				250				345	280				118						
125-80-250				225				280	400				315	124					
125-80-315				250				315	435				355	159					
125-80-400				280				355	435				355	217					
125-80-500				340				380	500				440	140					500

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



CNPL 125-80-XXX  
M-CNP-80-200\_013

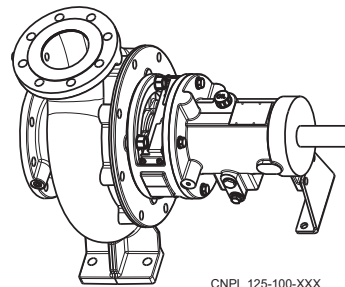
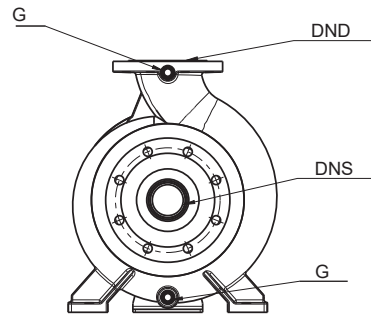
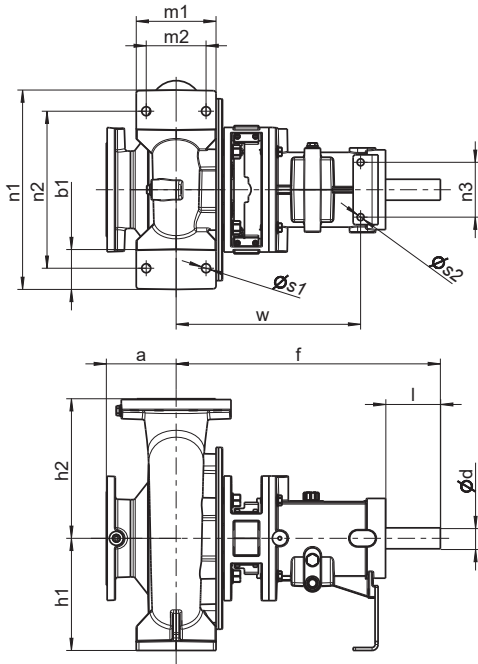
Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3	
125-80-160	125	80	80M bis 90L	125	450	400	22	225	100	325	3/8"	1000	170	660	
			100L bis 132M		490	440				325		1120	190	740	
			160M bis 180M		540	490				120		345	1250	205	840
			108L bis 200L		610	550				26		140	365	1400	230
125-80-200			80M bis 132M		490	440	22	250	100	350		1120	190	740	
			160M bis 180M		540	490			120	370		1250	205	840	
			180L bis 225M		610	550			26	140		390	1400	230	940
			250M		660	600			160	410		1600	270	1060	
125-80-250			80M bis 180M		540	490	22	280	120	400		1250	205	840	
			180L bis 225M		610	550			140	420		1400	230	940	
			250M		660	600			26	160		440	1600	270	1060
			280S bis 280M		730	670			150	430		1800	300	1200	
125-80-315			100L bis 180M		540	490	22	315	120	435		1250	205	840	
			180L bis 225S		610	550			140	455		1400	230	940	
			225M bis 250M		660	600			160	475		1600	270	1060	
			280S bis 280M		730	670			26	150		465	1800	300	1200
125-80-400	100L bis 225S	610	550	26	355	140	495	1400	230	940					
	225M bis 250M	660	600			160	515	1600	270	1060					
125-80-500	custom made														

# STROBL PUMPEN

## CNPL 125-100-XXX Pump with free shaft end

Dimensional drawings



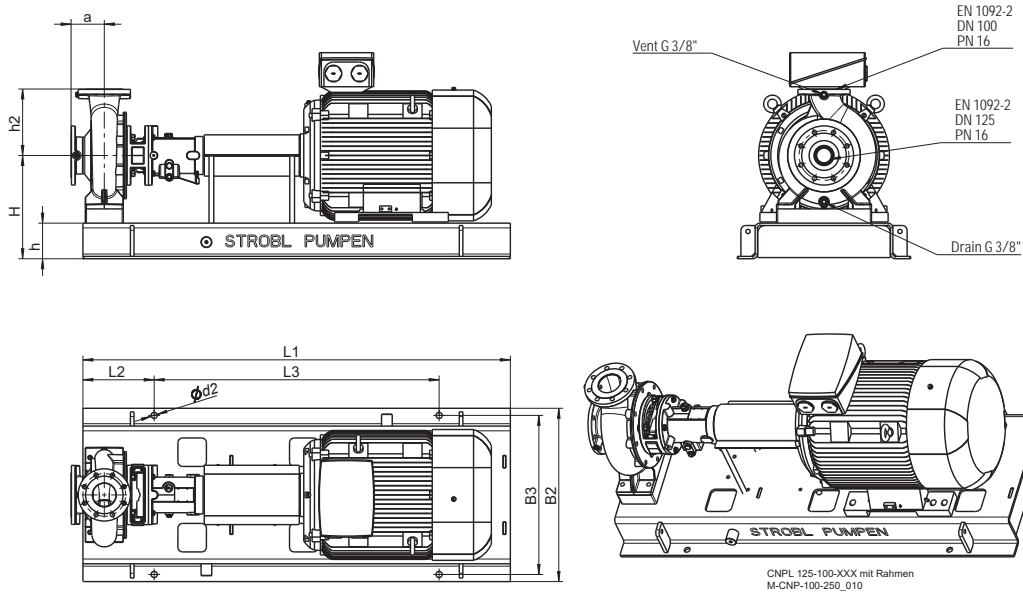
CNPL 125-100-XXX  
M-CNP-100-250\_001

Type	DNS	DND	a	b1	Ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	Øs1	Øs2	w	Weight (kg)		
125-100-200	125	100	125	80	32	500	3/8"	200	280	80	160	120	360	280	110	18	14	370	133		
125-100-250			225					280	160	120			400	315					152		
125-100-315			140	100	42	530		250	315	200	150	500	400	22					18	500	168
125-100-400			280					355	200	150	500	400	22	18					500	219	
125-100-500			160	48	670	1/2"		350	400	200	150	500	400	140					18	500	408

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



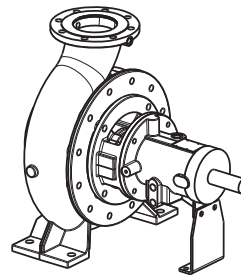
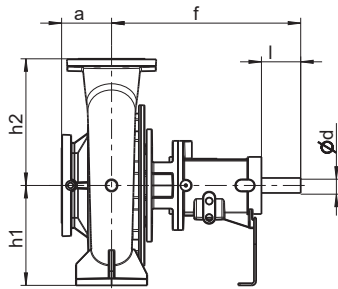
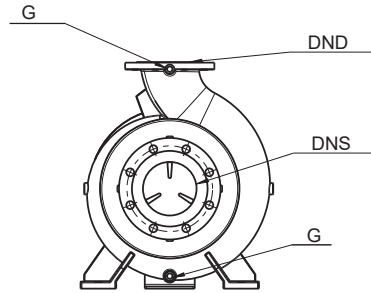
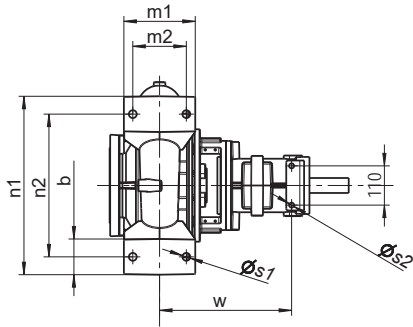
Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
125-100-200	125	100	80M bis 132M	125	490	440	22	280	100	380	3/8"	1120	190	740
			160M bis 180M		540	490			120	400		1250	205	840
			180L bis 225M		610	550			140	420		1400	230	940
			250M		660	600	26		160	440		1600	270	1060
			280S		730	670	150		430	1800		300	1200	
125-100-250			100L bis 160M	540	490	22	120	400	1250	205		840		
			160L bis 225S	610	550	140	420	1400	230	940				
			225M bis 250M	660	600	26	160	440	1600	270		1060		
			280S bis 280M	730	670	150	430	1800	300	1200				
125-100-315			132S bis 160M	540	490	22	120	435	1250	205		840		
			160L bis 225S	610	550	26	140	455	1400	230		940		
			225M bis 250M	660	600		315	160	475	1600		270	1060	
			280S bis 280M	730	670		150	465	1800	300		1200		
125-100-400			160M bis 250M	660	600		355	160	515	1600		270	1060	
			280S bis 280M	730	670	150		505	1800	300		1200		
125-100-500	custom made													

# STROBL PUMPEN

## CNPL 150-125-XXX Pump with free shaft end

Dimensional drawings



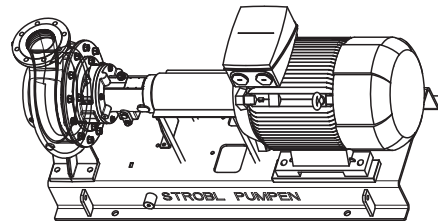
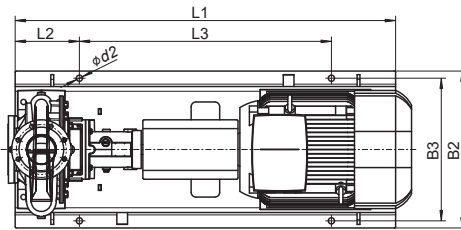
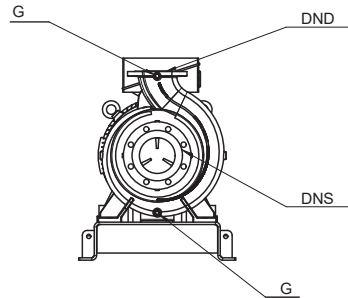
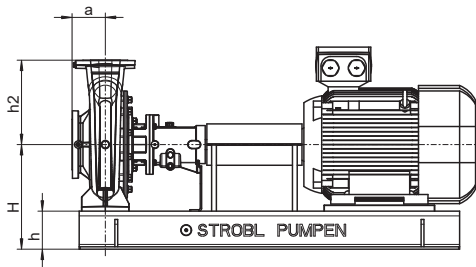
CNPL 150-125-XXX  
M-CNP-125-315\_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	øs1	øs2	w	Weight (kg)
150-125-250	150	125	140	80	42	530	3/8"	250	355	110	160	120	400	315	110	18	14	370	159
150-125-315				280				400	400										22
150-125-400			100	315	400	450	140	18	500		253								
150-125-500			160	48	670	1/2"	380	430	18		500	433							

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



CNPL 150-125-XXX mit Rahmen  
M-CNP-125-315\_029

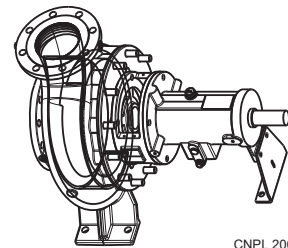
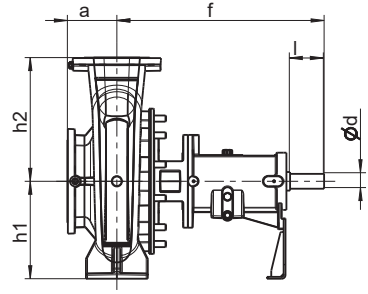
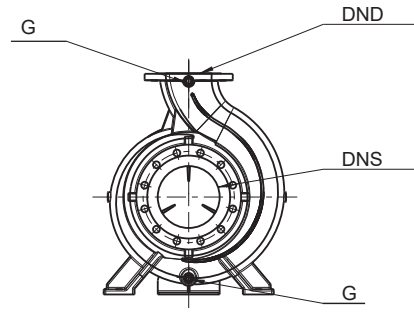
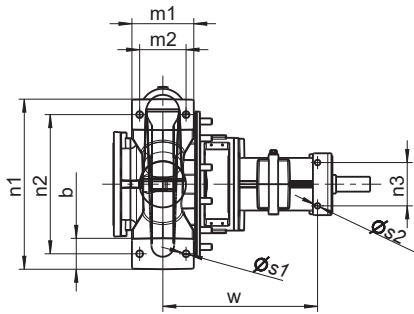
Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3		
150-125-250	150	125	132S bis 160M	140	540	490	22	355	120	475	3/8"	1250	205	840		
			160L bis 225S		610	550			140	495		1400	230	940		
225M									515							
150-125-315						132M bis 250M	660	600	26	400		160	515	1600	270	1060
150-125-400						180M bis 250M							560			
150-125-500						280S	730	670				150	550		1800	300
custom made																

# STROBL PUMPEN

## CNPL 200-150-XXX Pump with free shaft end

Dimensional drawings



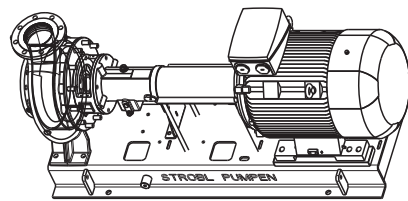
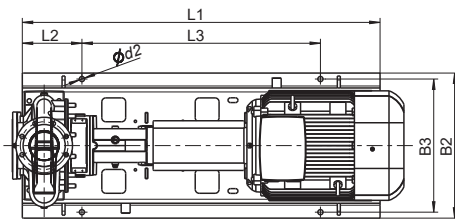
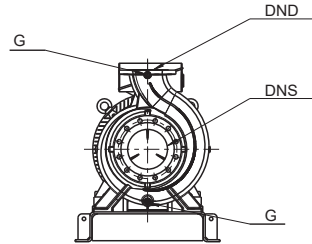
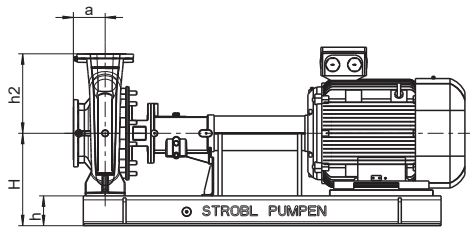
CNPL 200-150-XXX  
M-CNP-150-315\_001

Type	DNS	DND	a	b1	$\phi_d$	f	G	h1	h2	l	m1	m2	n1	n2	n3	$\phi_{s1}$	$\phi_{s2}$	w	Weight (kg)
200-150-250	200	150	160	100	42	530	1/2"	280	375	110	200	150	500	400	140	22	18	500	192
200-150-315					315	400		282											
200-150-400					450	450		347											
200-150-500					375	500		482											

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



CNPL 200-150-XXX mit Rahmen  
M-CNP-150-315\_015

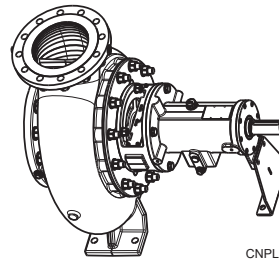
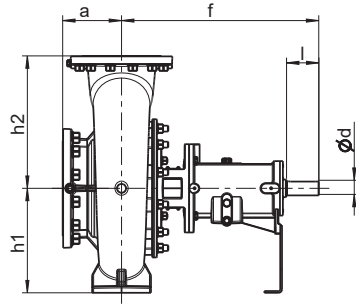
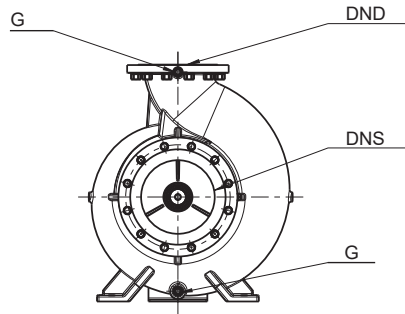
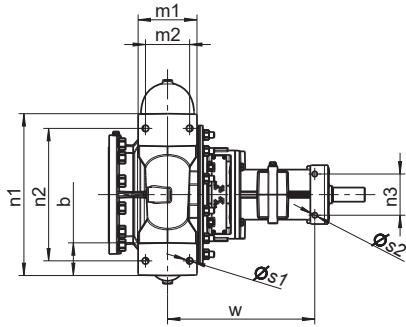
Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
200-150-250	200	150	132M bis 250M	160	660	600	26	375	160	535	1/2"	1600	270	1060
			280S		730	670			400	150		525	1800	300
180M bis 280S			450					600		custom made		custom made		
225S bis 280M					custom made	custom made		custom made	custom made	custom made		custom made	custom made	custom made

# STROBL PUMPEN

CNPL 250-200-XXX  
Pump with free shaft end

Dimensional drawings



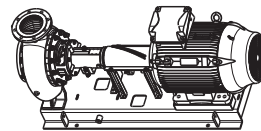
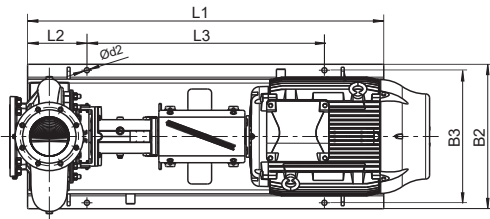
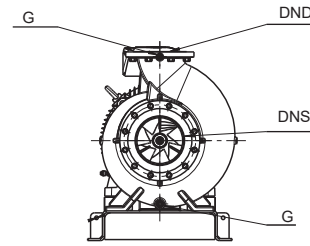
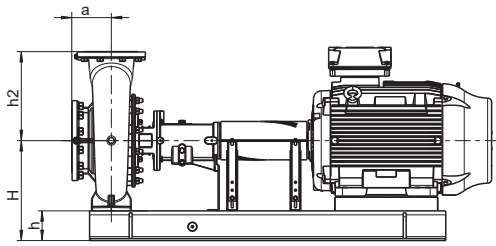
CNPL 250-200-XXX  
M-CNP-200-315\_001

Type	DNS	DND	a	b1	$\phi_d$	f	G	h1	h2	l	m1	m2	n1	n2	n3	$\phi_{s1}$	$\phi_{s2}$	w	Weight (kg)
250-200-315	250	150	200	110	48	670	1/2"	355	450	110	200	150	550	450	140	22	18	500	344
250-200-400			180	100				500	560										404
250-200-500			200	425				560	570										

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



CNPL 250-200-XXX mit Rahmen  
M-CNP-200-315\_010

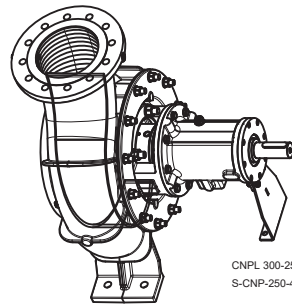
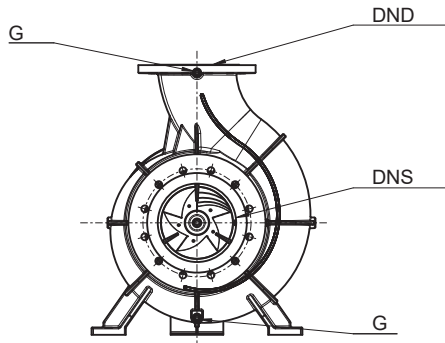
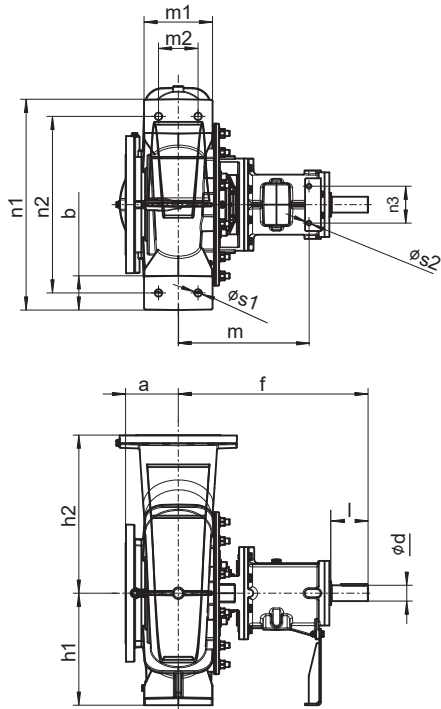
Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
250-200-315	250	150	custom made											
250-200-400														
250-200-500														

# STROBL PUMPEN

CNPL 300-250-XXX  
Pump with free shaft end

Dimensional drawings



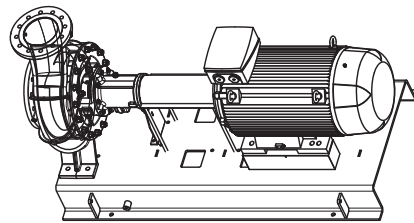
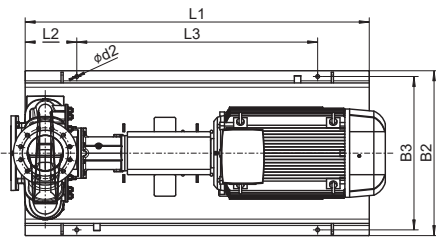
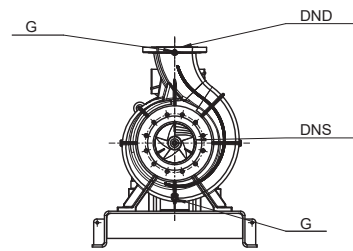
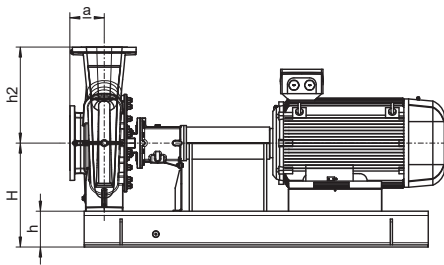
CNPL 300-250-XXX  
S-CNP-250-400\_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	øs1	øs2	w	Weight (kg)	
300-250-315	250	150	250	130	48	670	1/2"	400	560	110	260	150	690	560	140	28	18	500		
300-250-400			200		60	720		425	600	140			800	670					515	
300-250-500			240					475	670											

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



CNPL 300-250-XXX  
M-CNP-250-500\_010

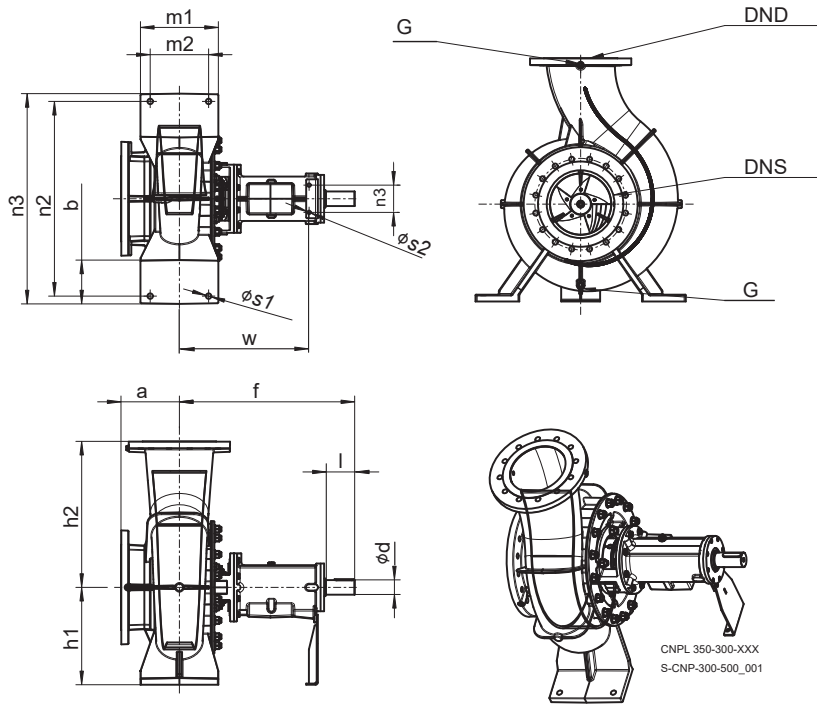
Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
300-250-315	300	250	custom made											
300-250-400														
300-250-500														

# STROBL PUMPEN

CNPL 350-300-XXX  
Pump with free shaft end

Dimensional drawings

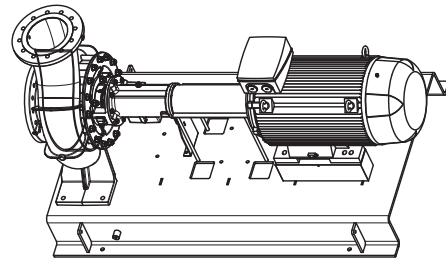
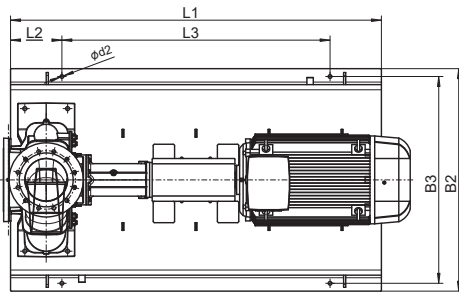
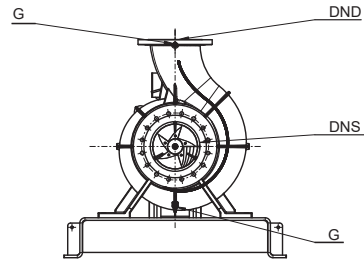
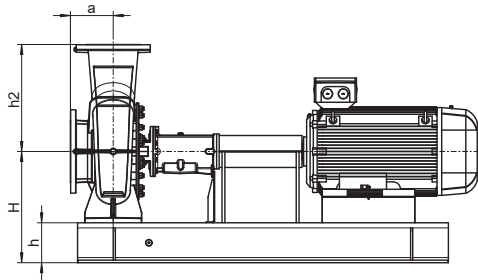


Type	DNS	DND	a	b1	$\phi_d$	f	G	h1	h2	l	m1	m2	n1	n2	n3	$\phi_{s1}$	$\phi_{s2}$	w	Weight (kg)
350-300-400	350	300	300	180	75	900	1/2"	500	630	170	360	250	900	750	140	28	18	680	796
350-300-500				225					750					400					300

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



CNPL 350-300-XXXX mit Rahmen  
M-CNP-300-500\_010

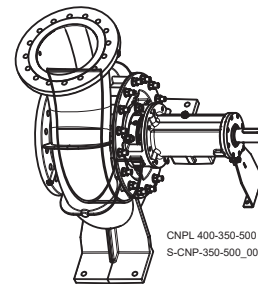
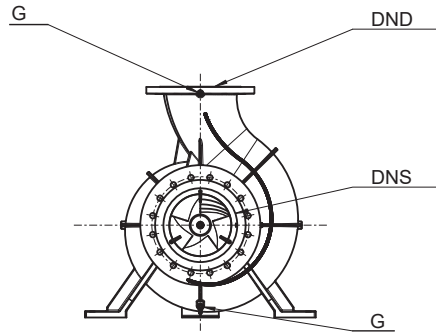
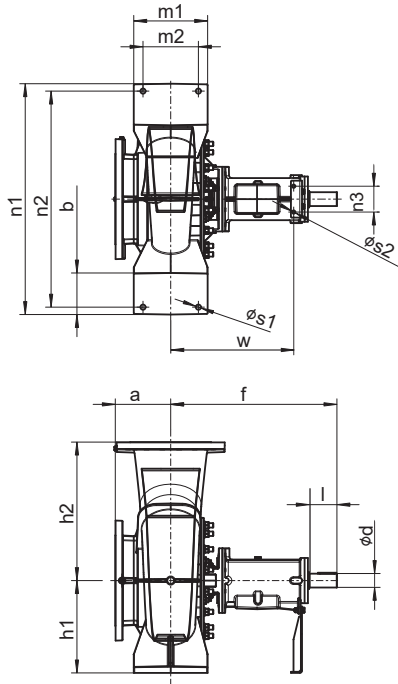
Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
350-300-400	350	300	custom made											
350-300-500														

# STROBL PUMPEN

CNPL 400-350-XXX  
Pump with free shaft end

Dimensional drawings



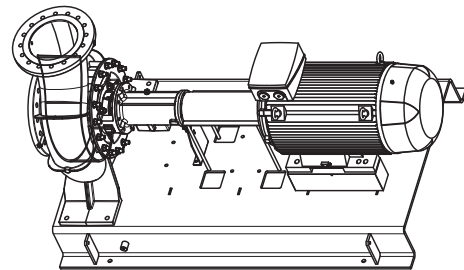
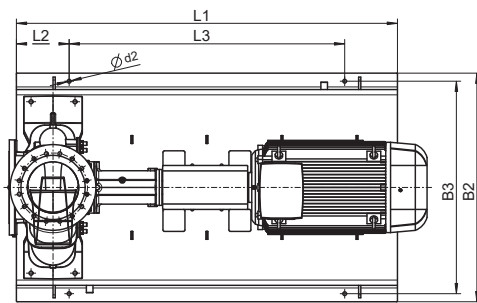
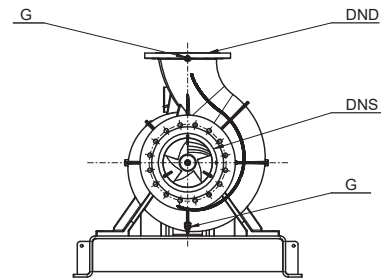
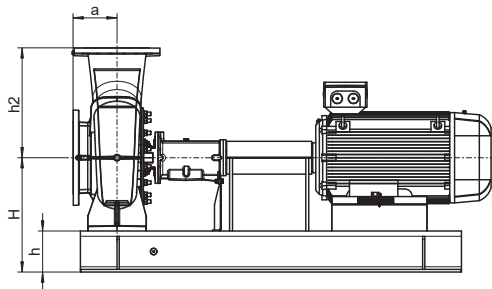
CNPL 400-350-500  
S-CNP-350-500\_001

Type	DNS	DND	a	b1	$\phi d$	f	G	h1	h2	l	m1	m2	n1	n2	n3	$\phi s1$	$\phi s2$	w	Weight (kg)
400-350-400	400	350	350	225	75	930	1/2"	500	670	170	400	300	1250	1170	140	28	18	710	
400-350-500			300			900			750				1080	1000				630	

Chemical standard pumps  
Series CNP



Pump with coupling, motor and base frame



CNPL 400-350-XXX mit Rahmen  
M-CNP-350-500\_010

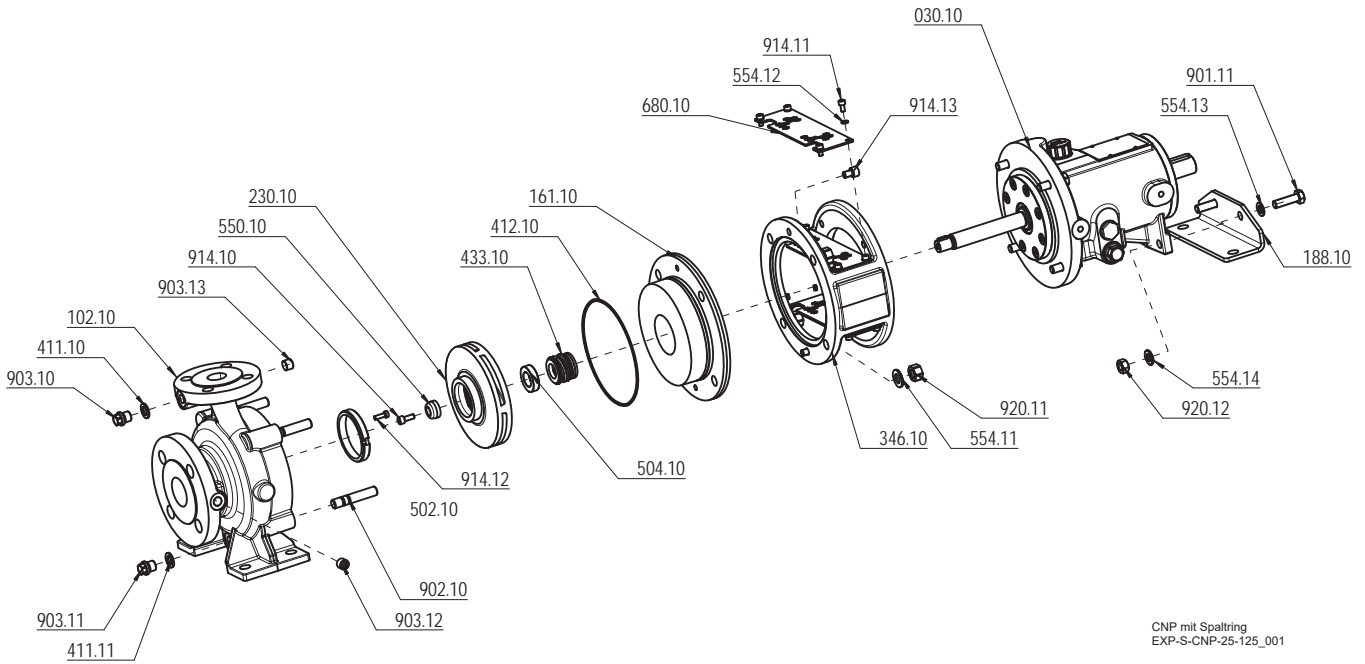
Dimensional drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
400-350-400	400	350	custom made											
400-350-500														

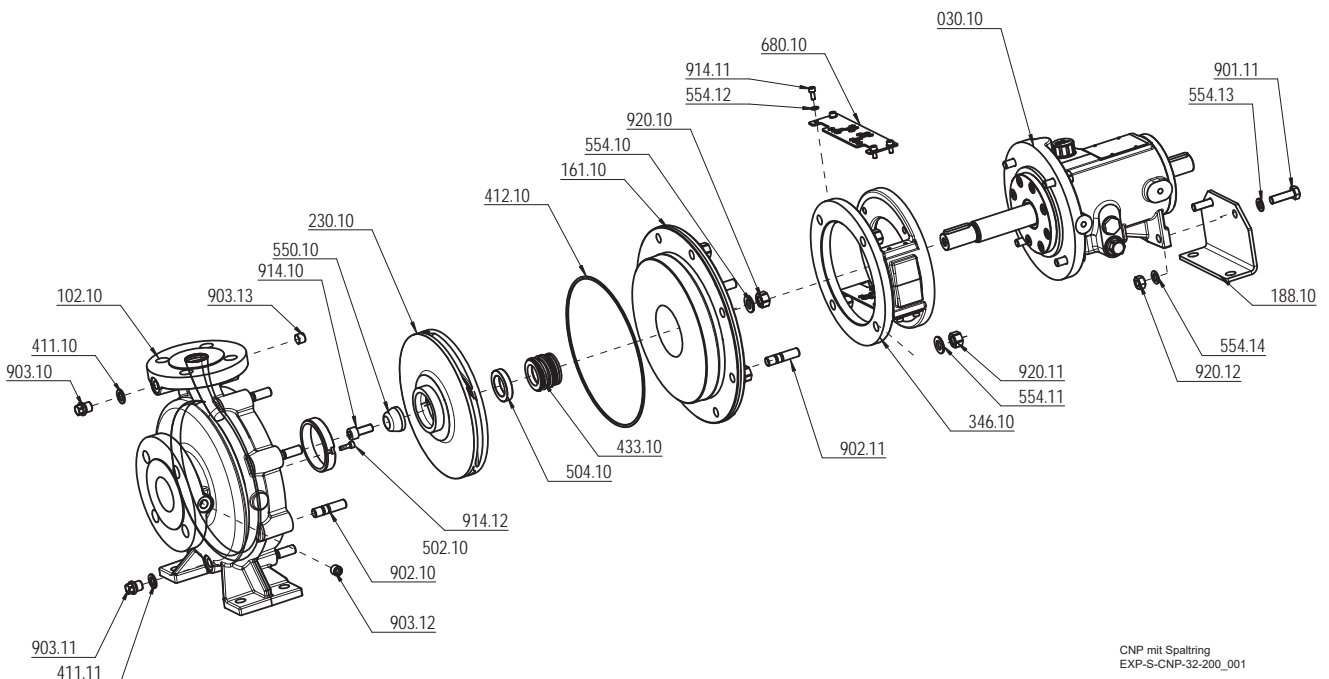
# STROBL PUMPEN

## Exploded views

CNPL with mechanical seal and wear ring (same bolt circle)

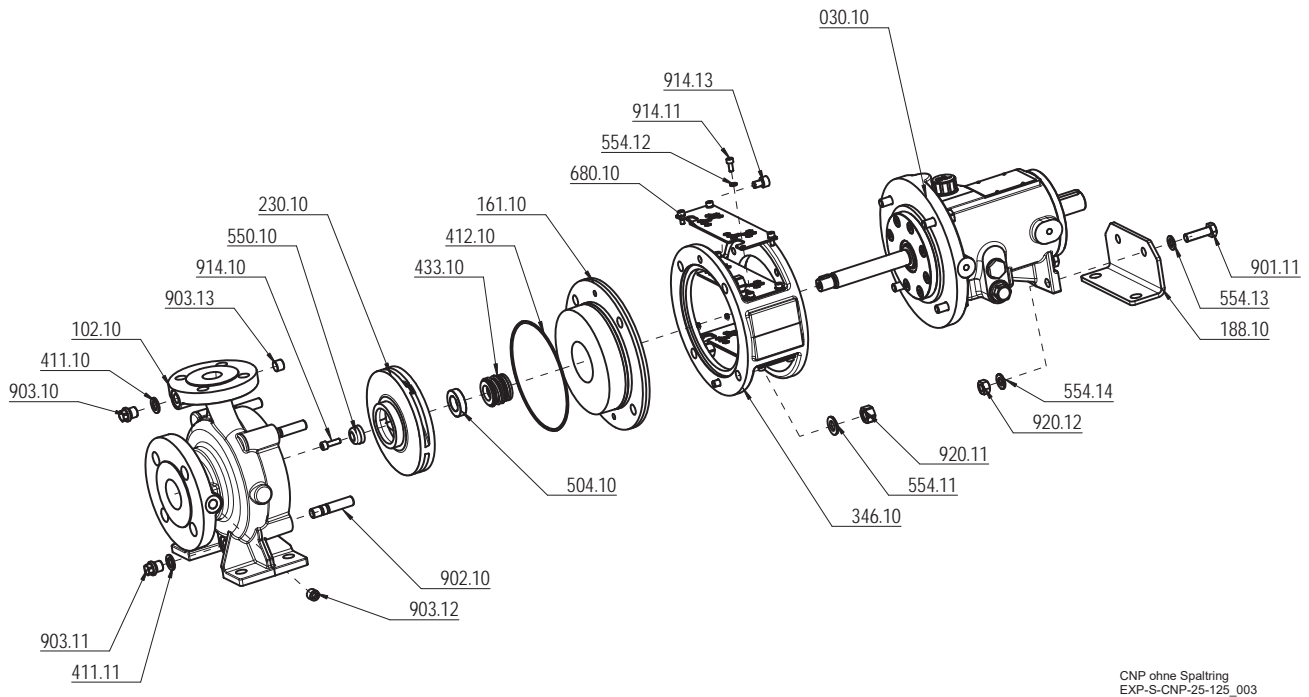


CNPL with mechanical seal and wear ring (separate bolt circle)

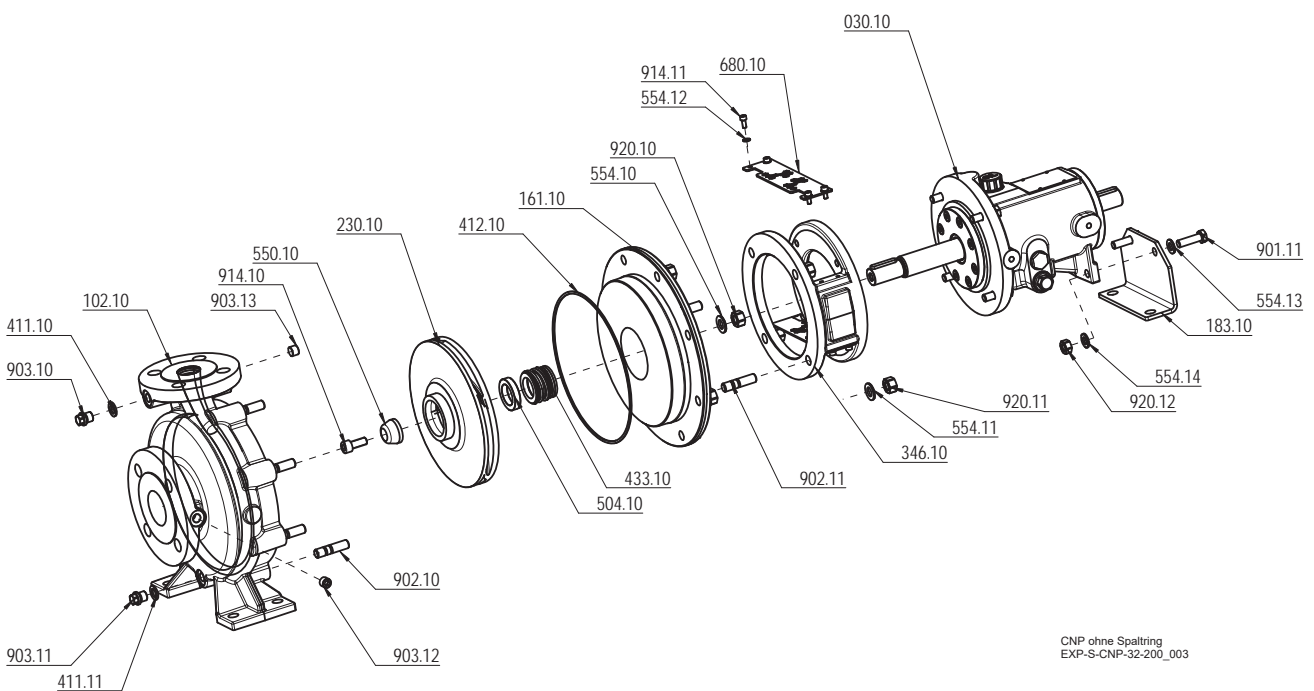




CNPL with mechanical seal, without wear ring (same bolt circle)



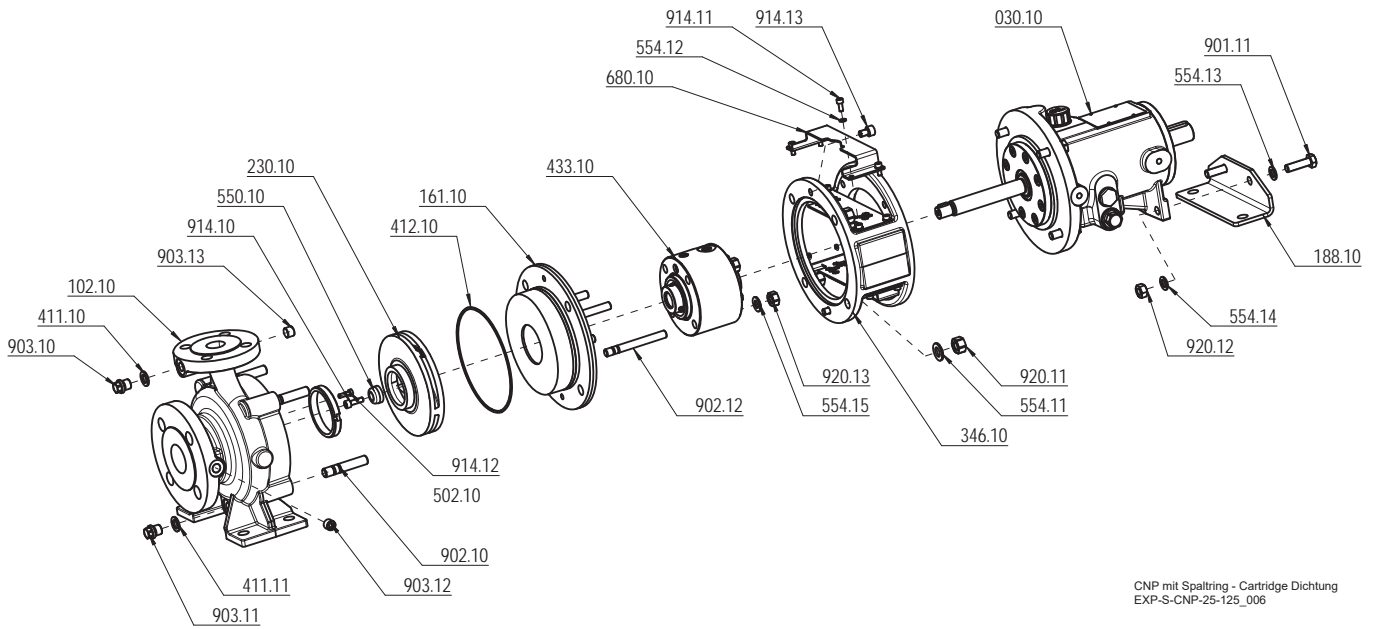
CNPL with mechanical seal, without wear ring (separate bolt circle)



Exploded views

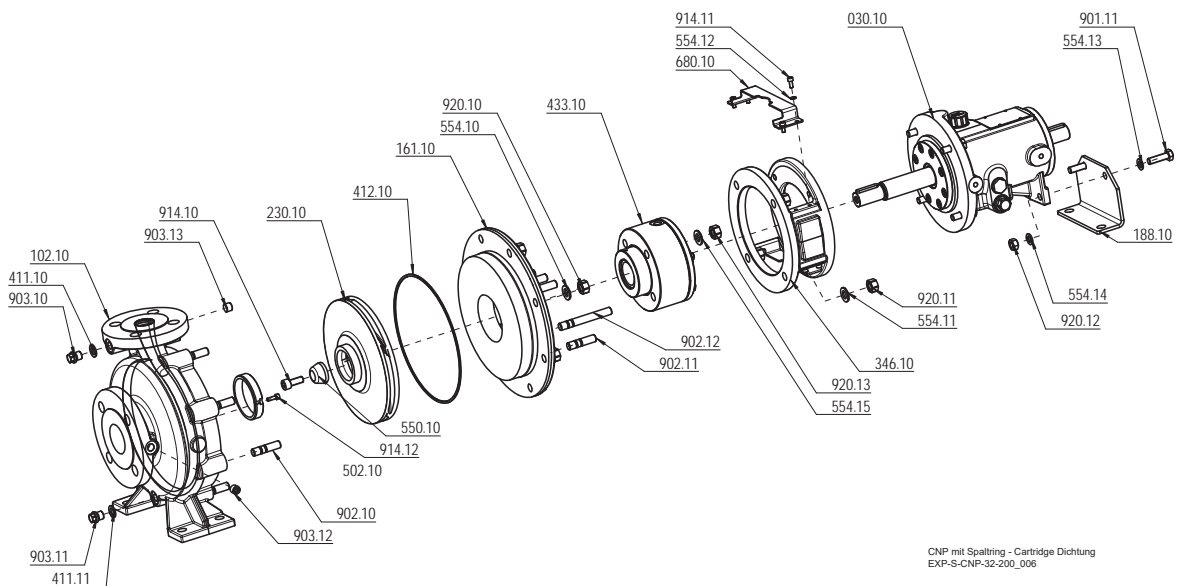
# STROBL PUMPEN

CNPL with mechanical seal and wear ring (same bolt circle)



Exploded  
Views

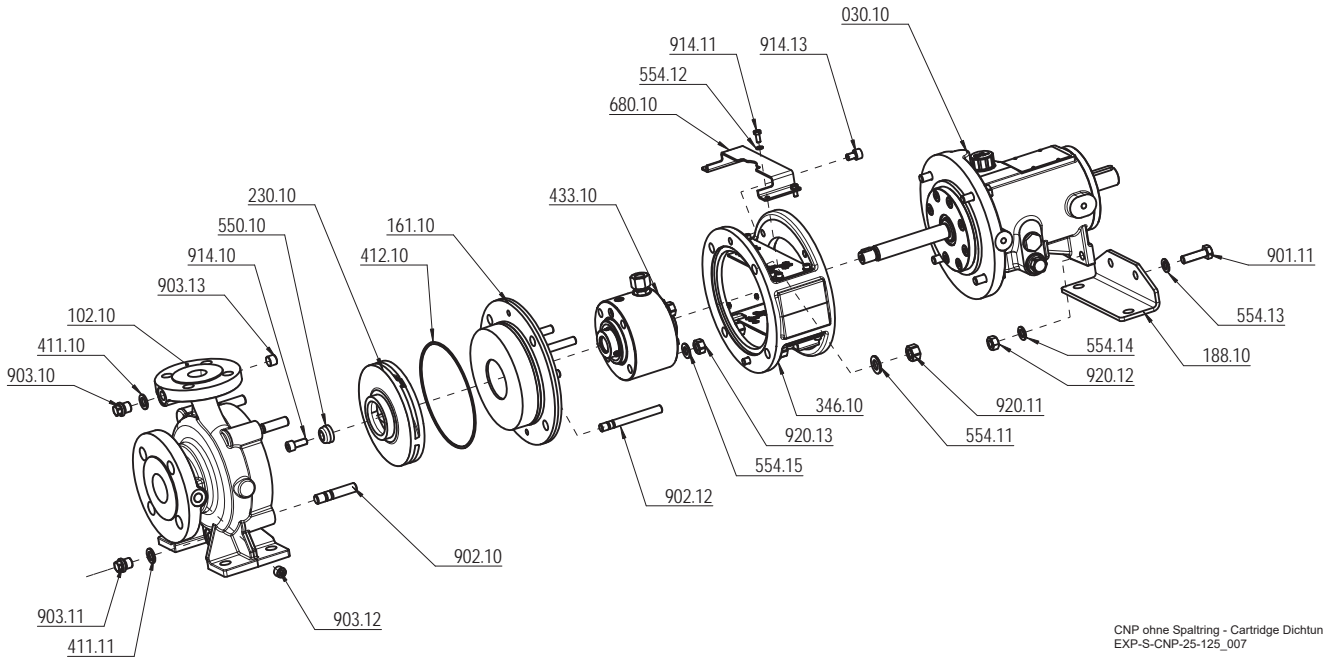
CNPL with mechanical seal and wear ring (separate bolt circle)



Chemical standard pumps  
Series CNP

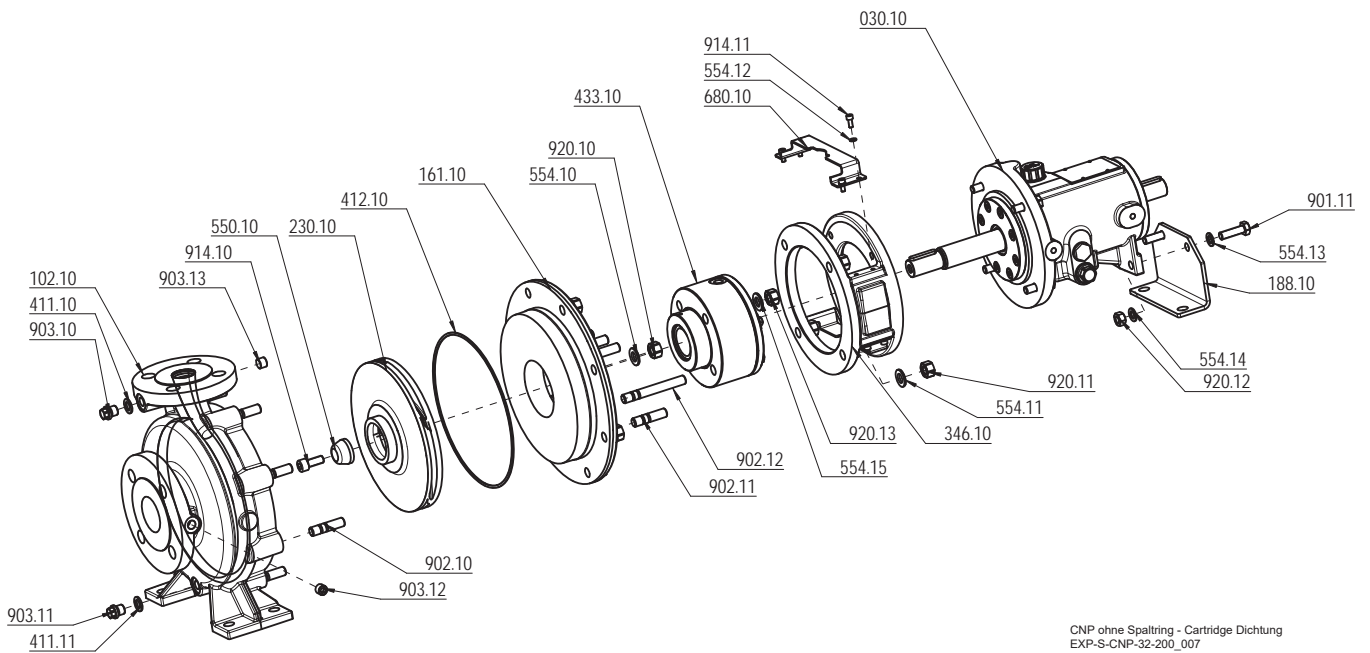


CNPL with mechanical seal, without wear ring (same bolt circle)



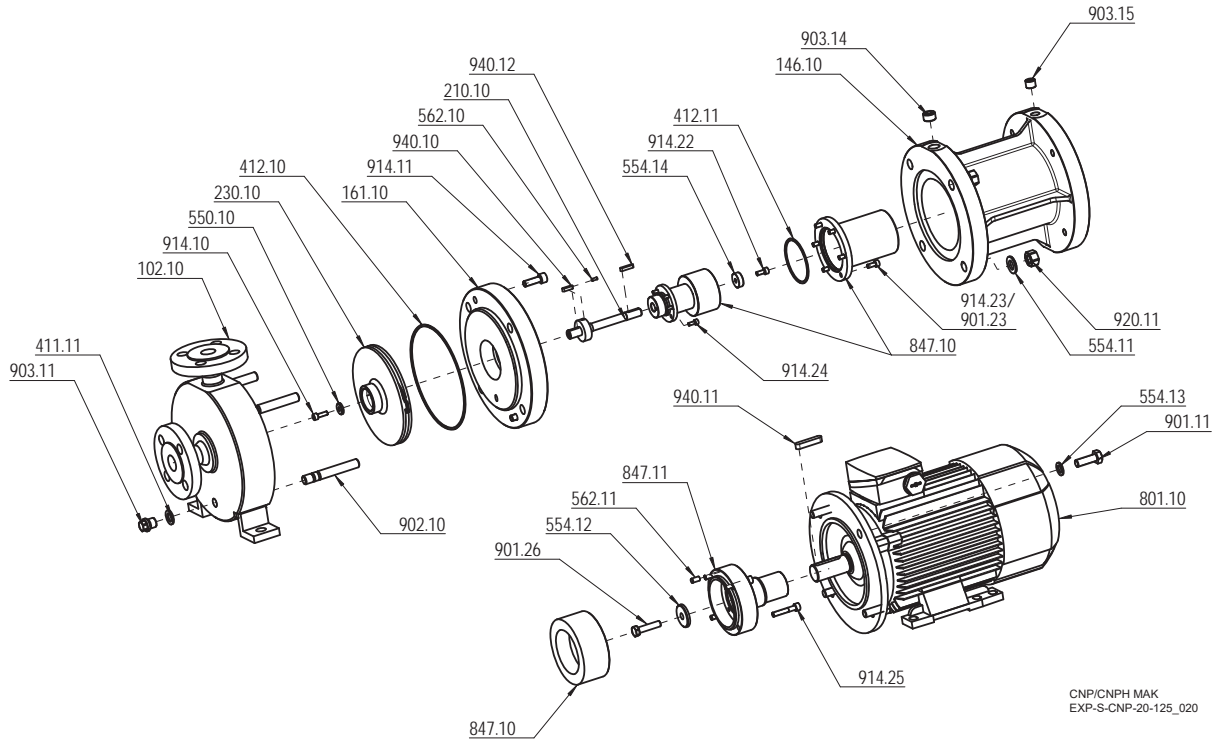
Exploded views

CNPL with mechanical seal, without wear ring (separate bolt circle)

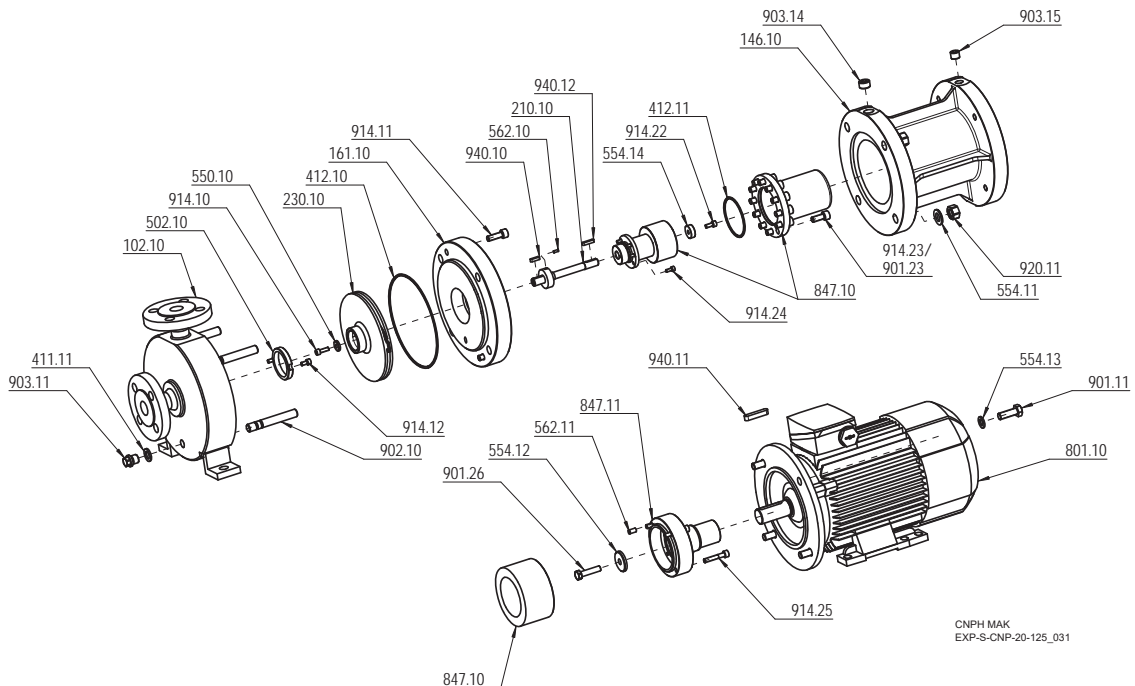


# STROBL PUMPEN

CNPN with magnetic coupling (Type size 15-15-125/20-20-125)



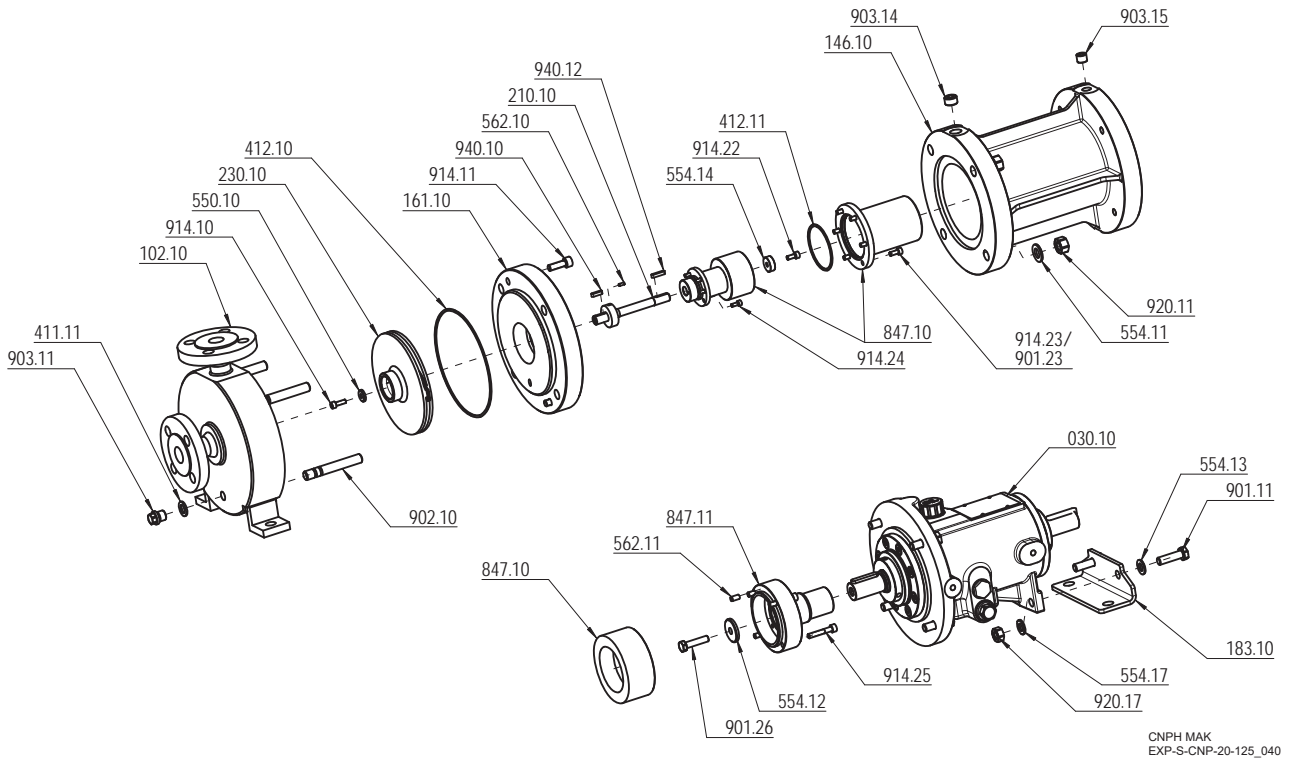
CNPN with magnetic coupling and wear ring (Type size 15-15-125/20-20-125)



Chemical standard pumps  
Series CNP

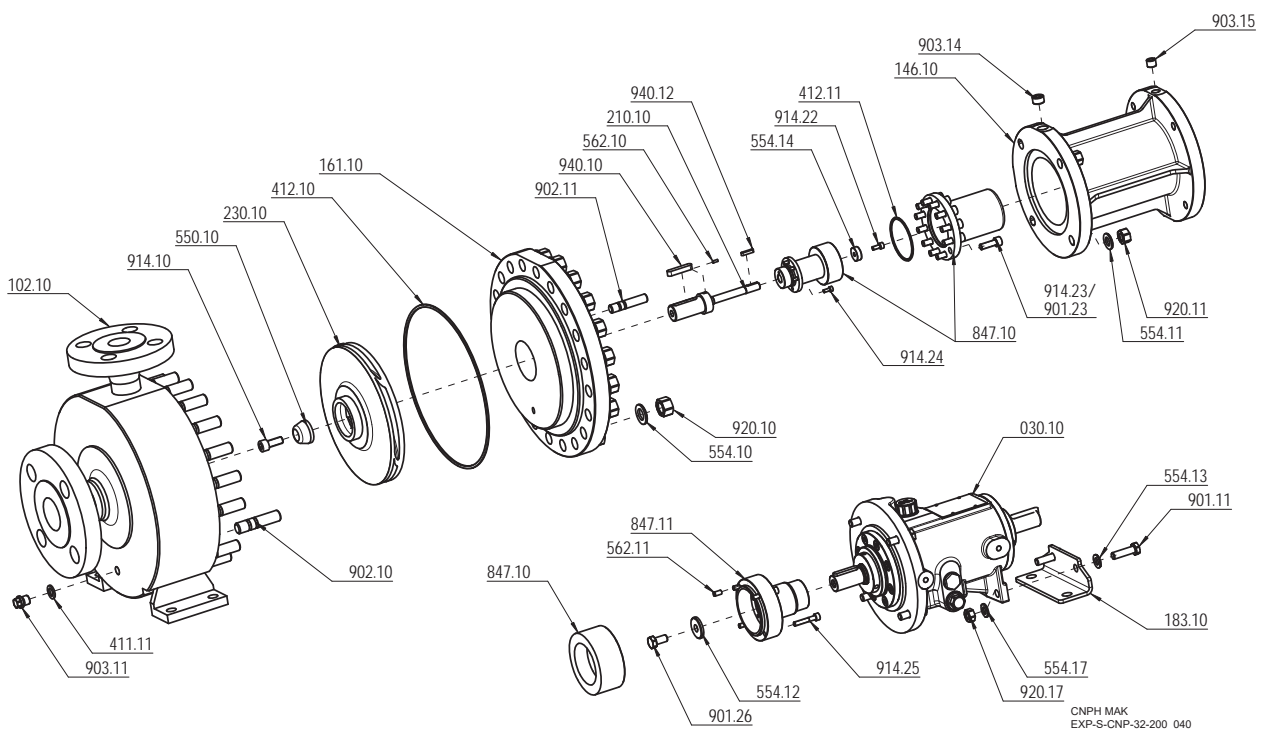


CNPL with magnetic coupling



CNPH MAK  
EXP-S-CNP-20-125\_040

CNPHL with magnetic coupling

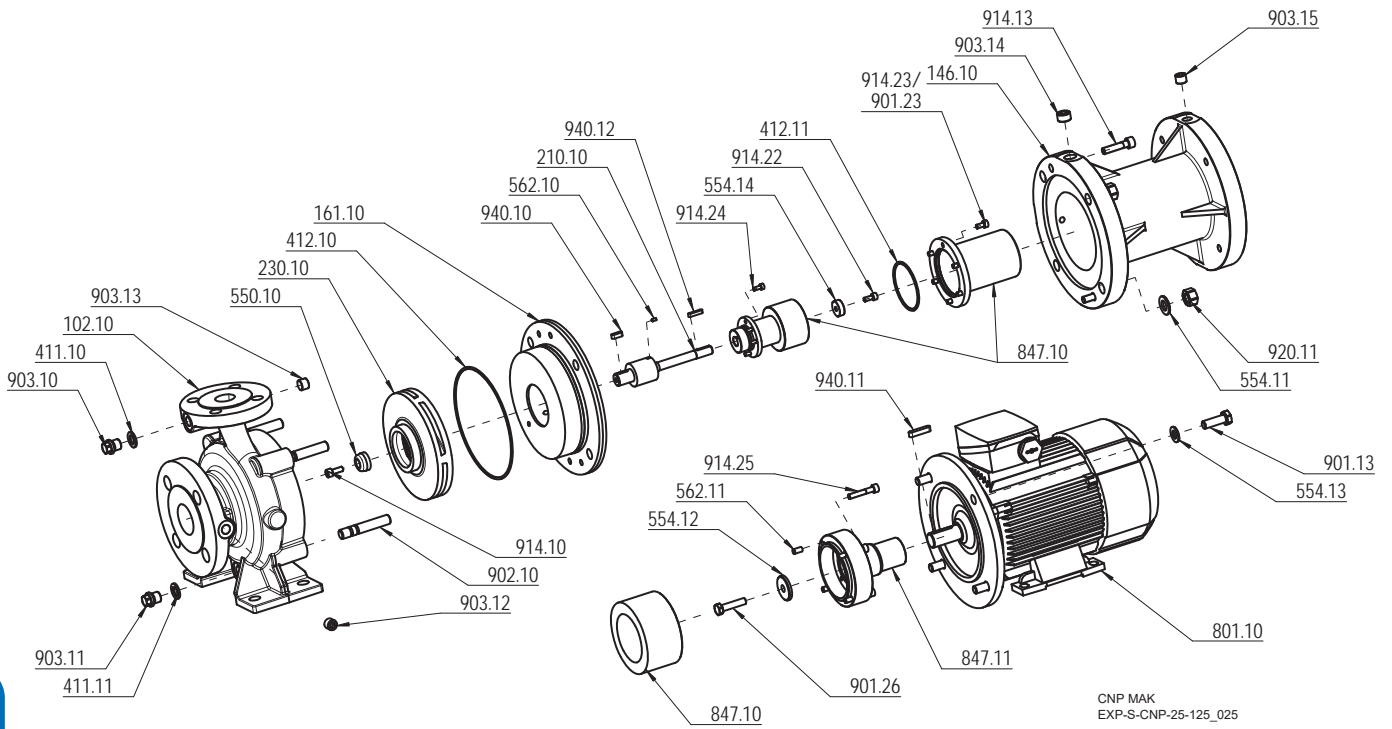


CNPH MAK  
EXP-S-CNP-32-200\_040

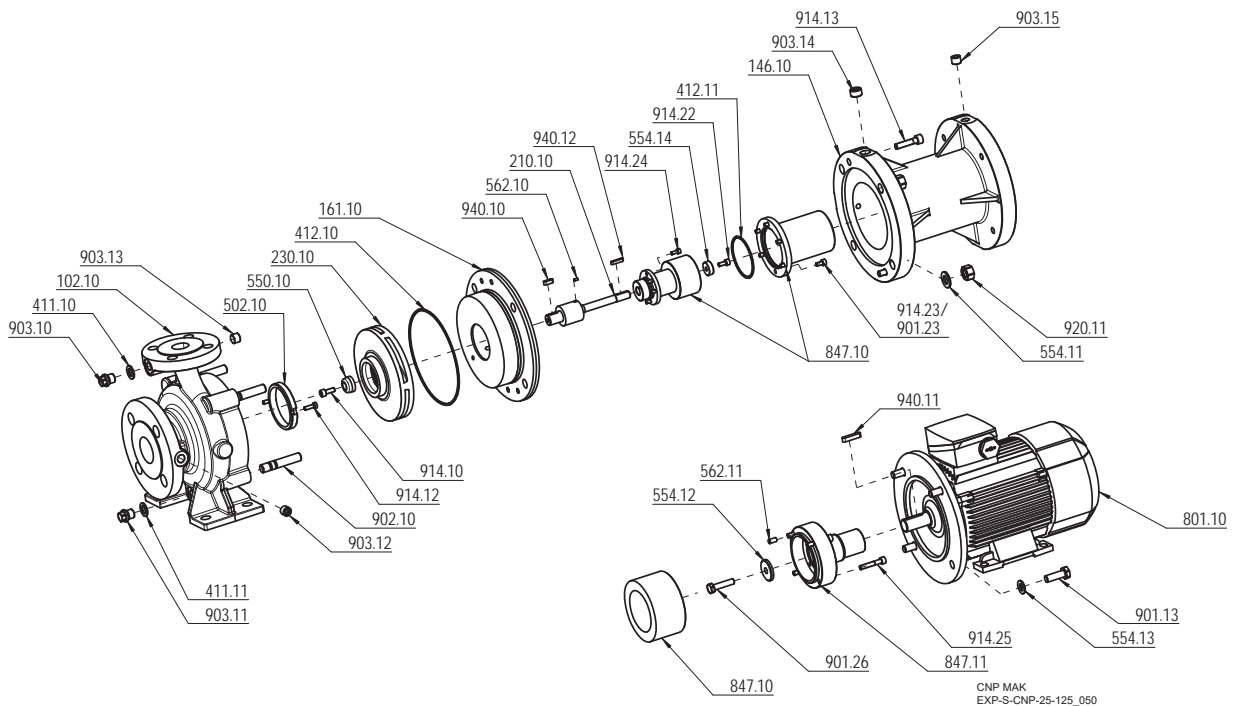
Exploded views

# STROBL PUMPEN

## CNPN with magnetic coupling



## CNPN with magnetic coupling and wear ring

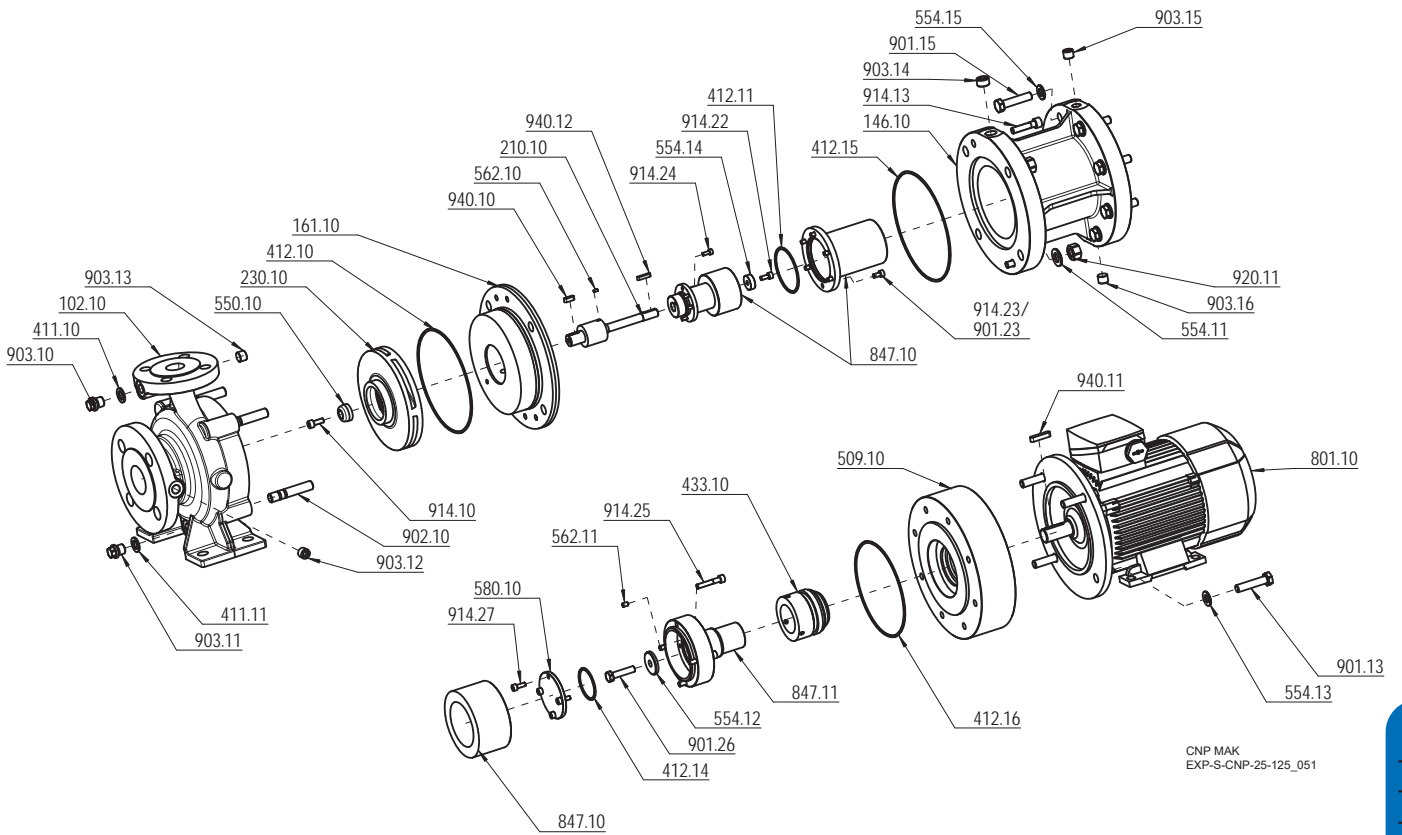


Exploded  
views

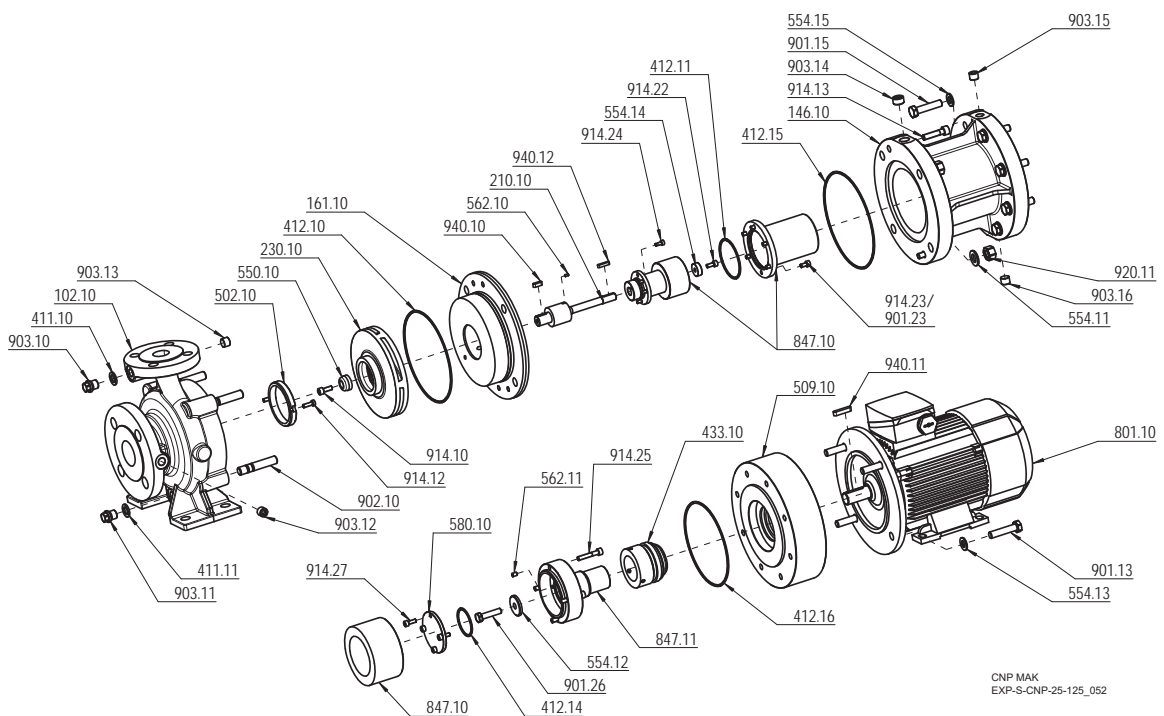
Chemical standard pumps  
Series CNP



CNPN with magnetic coupling and gas seal



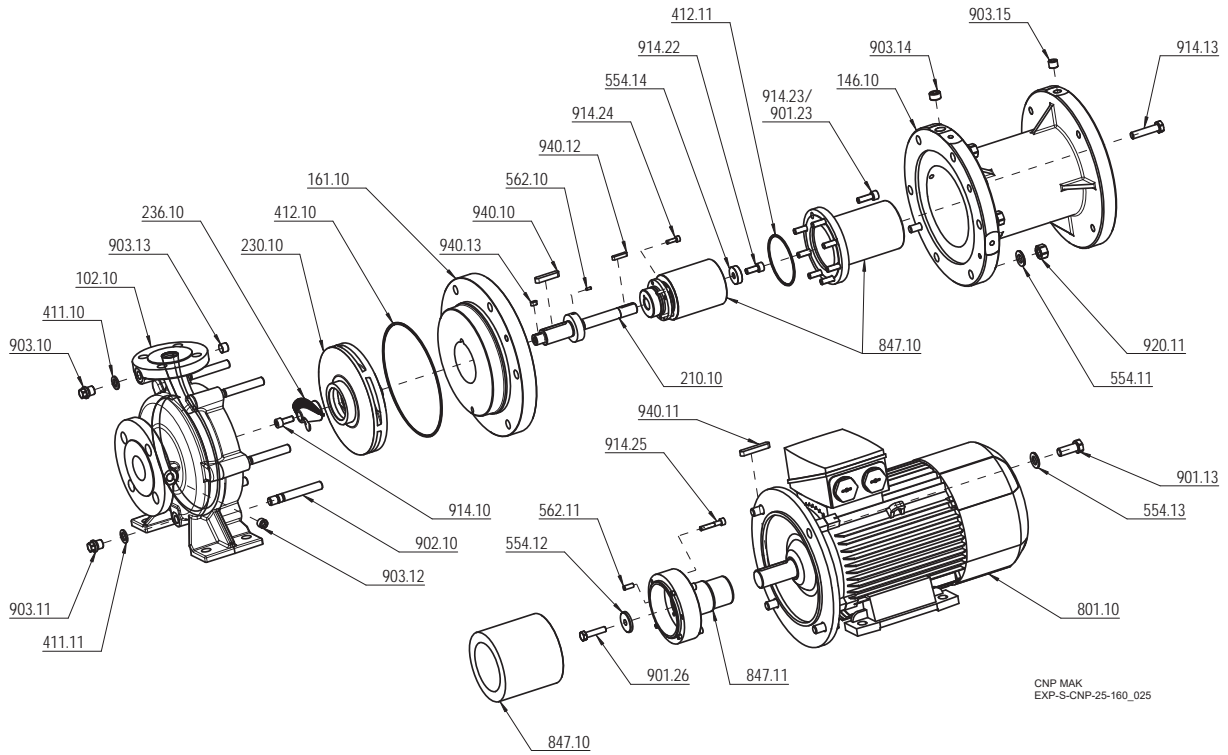
CNPN with magnetic coupling, gas seal and wear ring



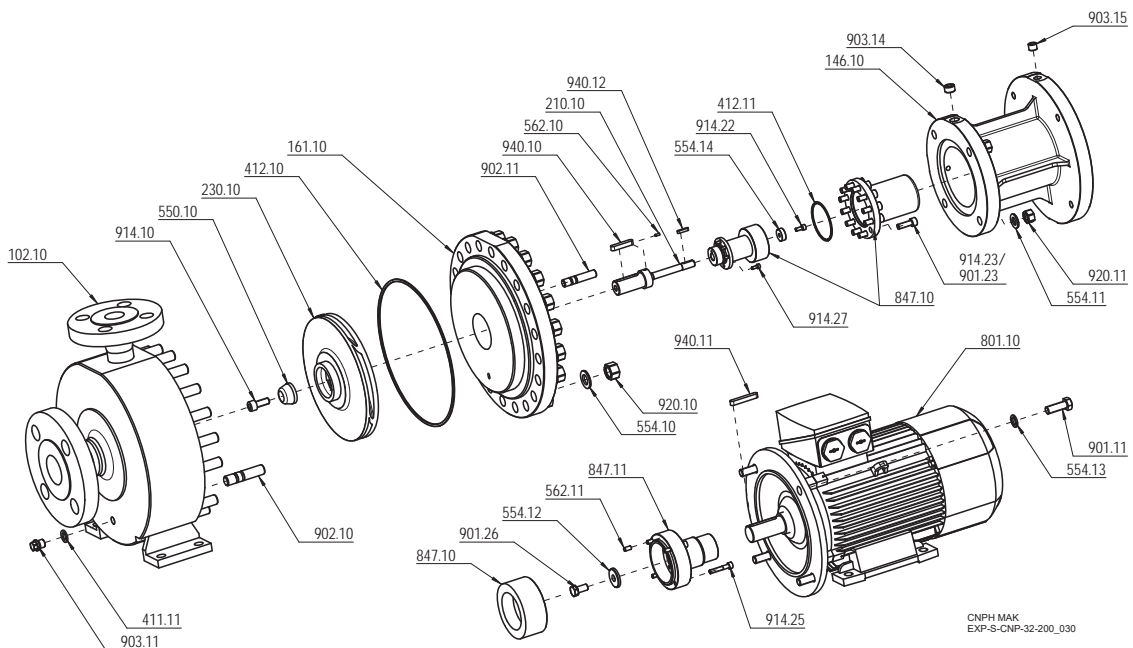
Exploded views

# STROBL PUMPEN

## CNPN with magnetic coupling and inducer



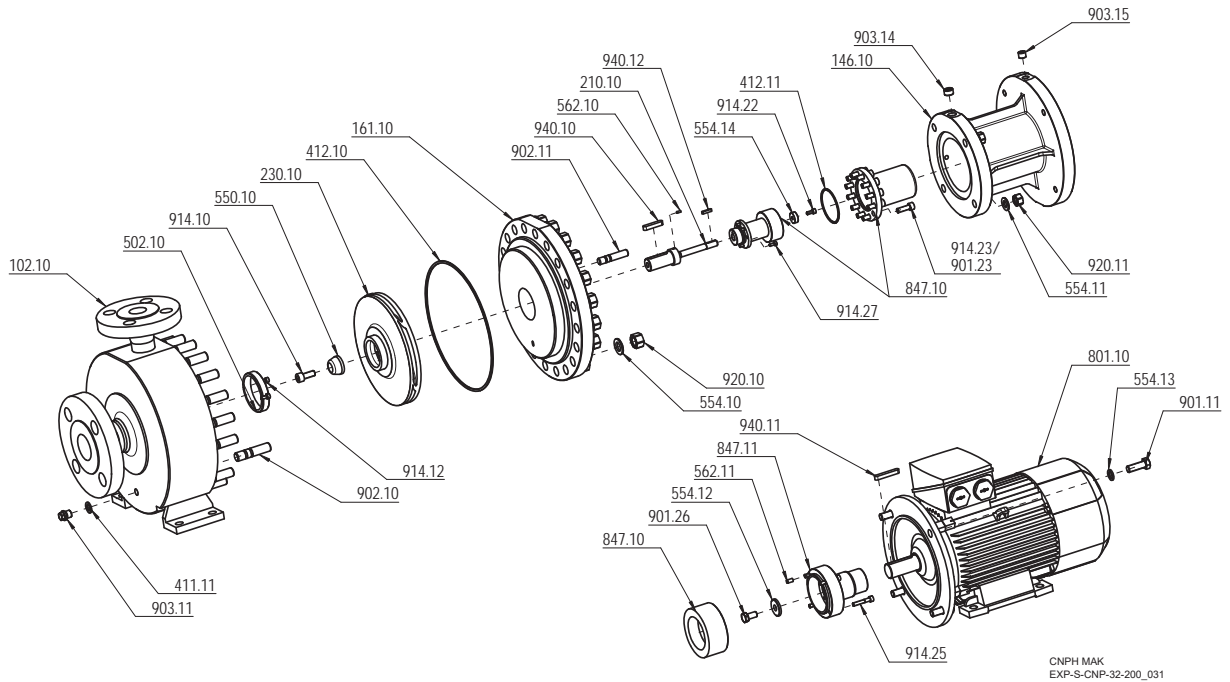
## CNPHN with magnetic coupling



Chemical standard pumps  
Series CNP



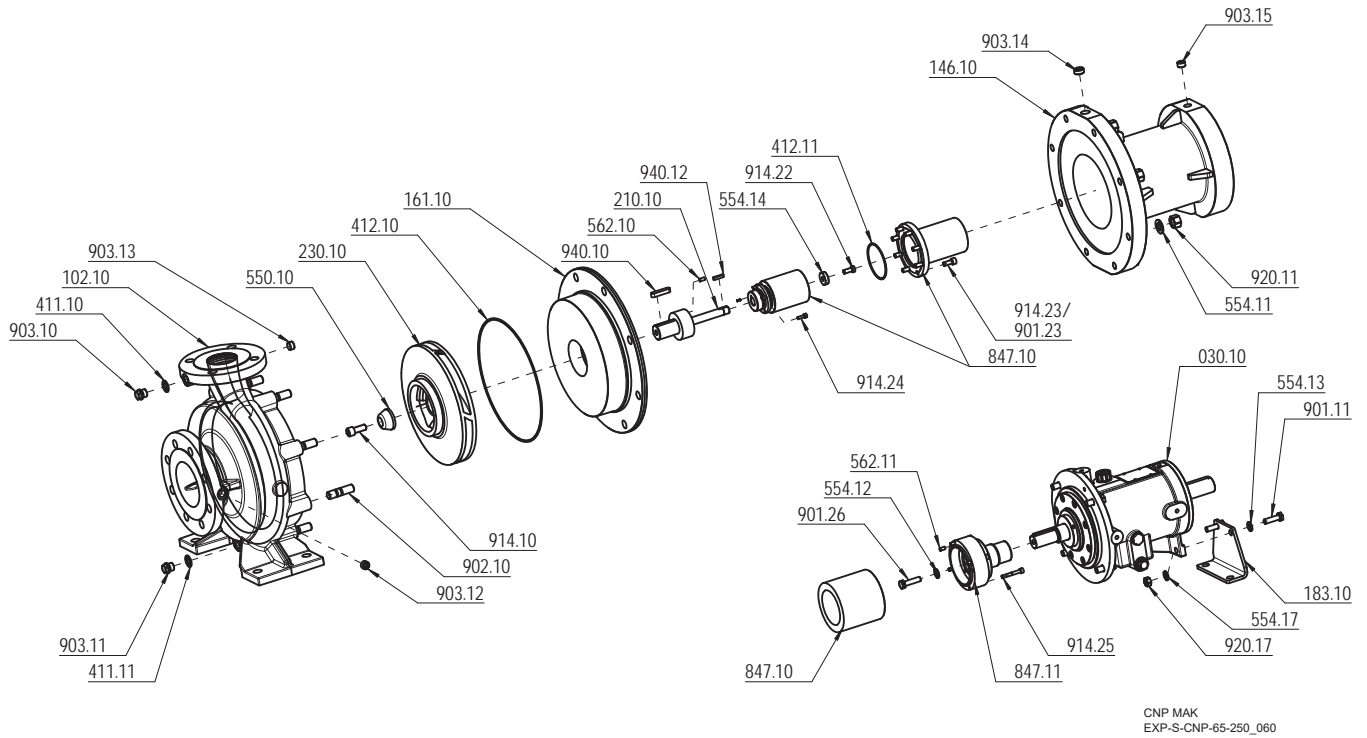
CNPHN with magnetic coupling and wear ring



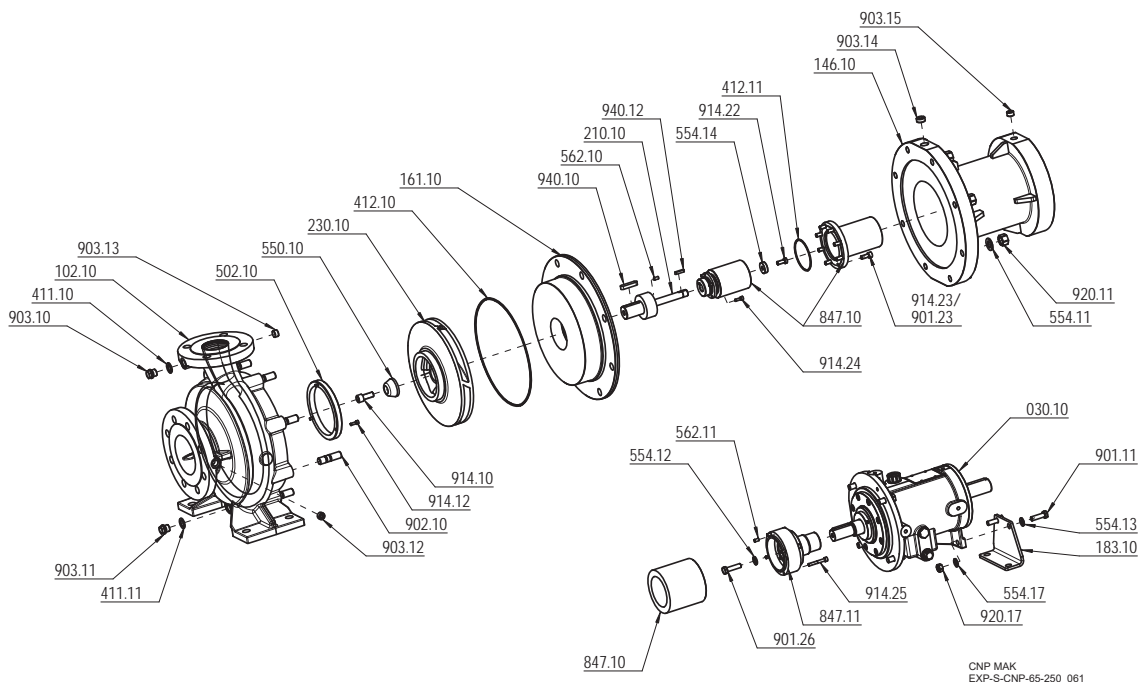
Exploded views

# STROBL PUMPEN

## CNPL with magnetic coupling



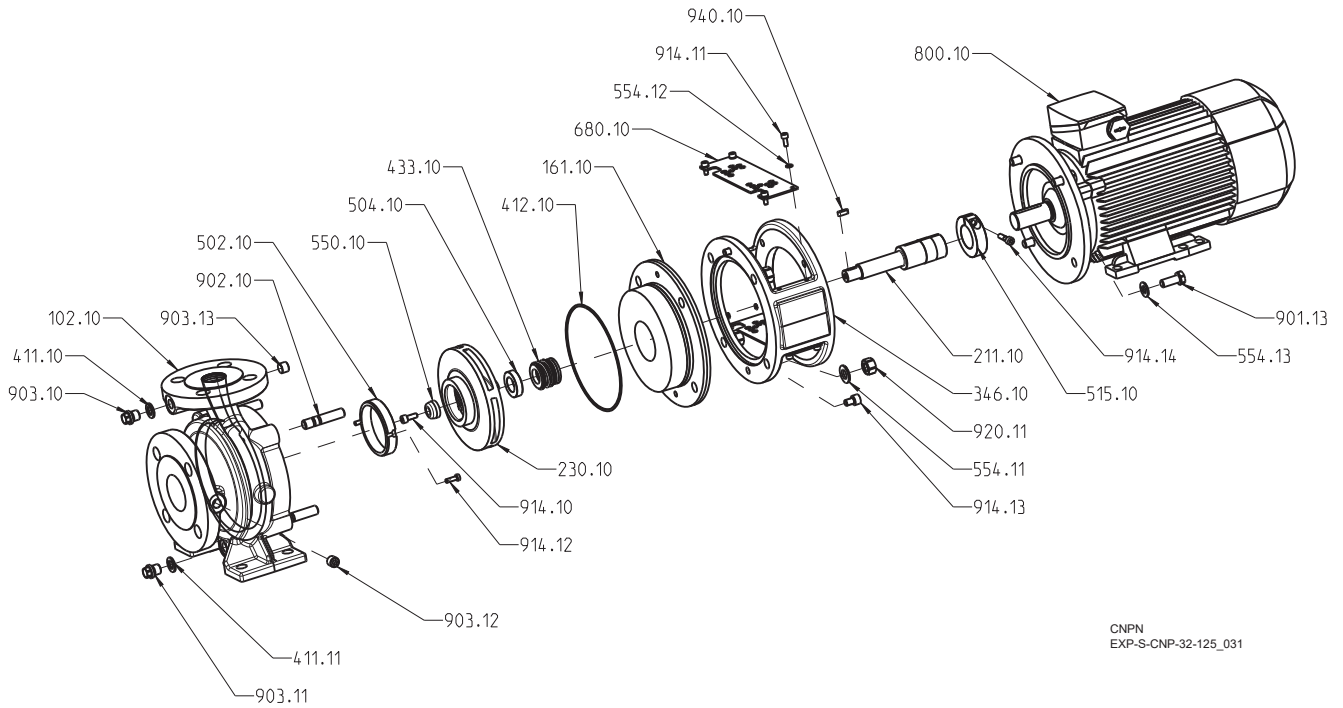
## CNPL with magnetic coupling and wear ring



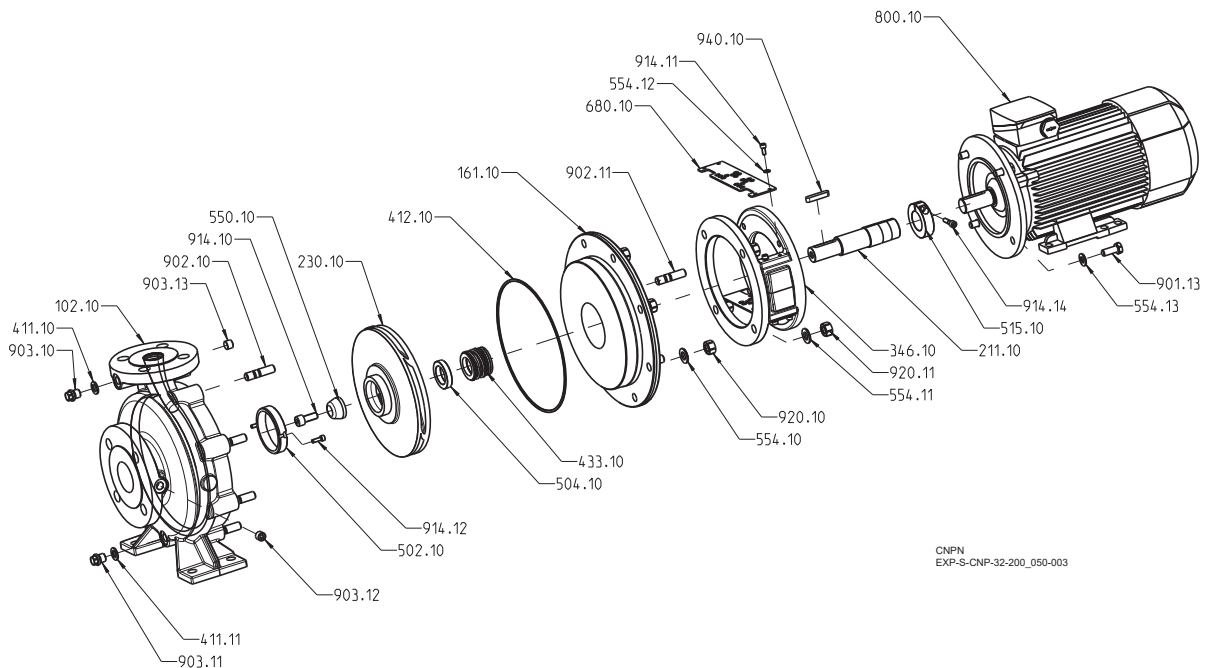


# STROBL PUMPEN

CNPN with mechanical seal and wear ring (same bolt circle)



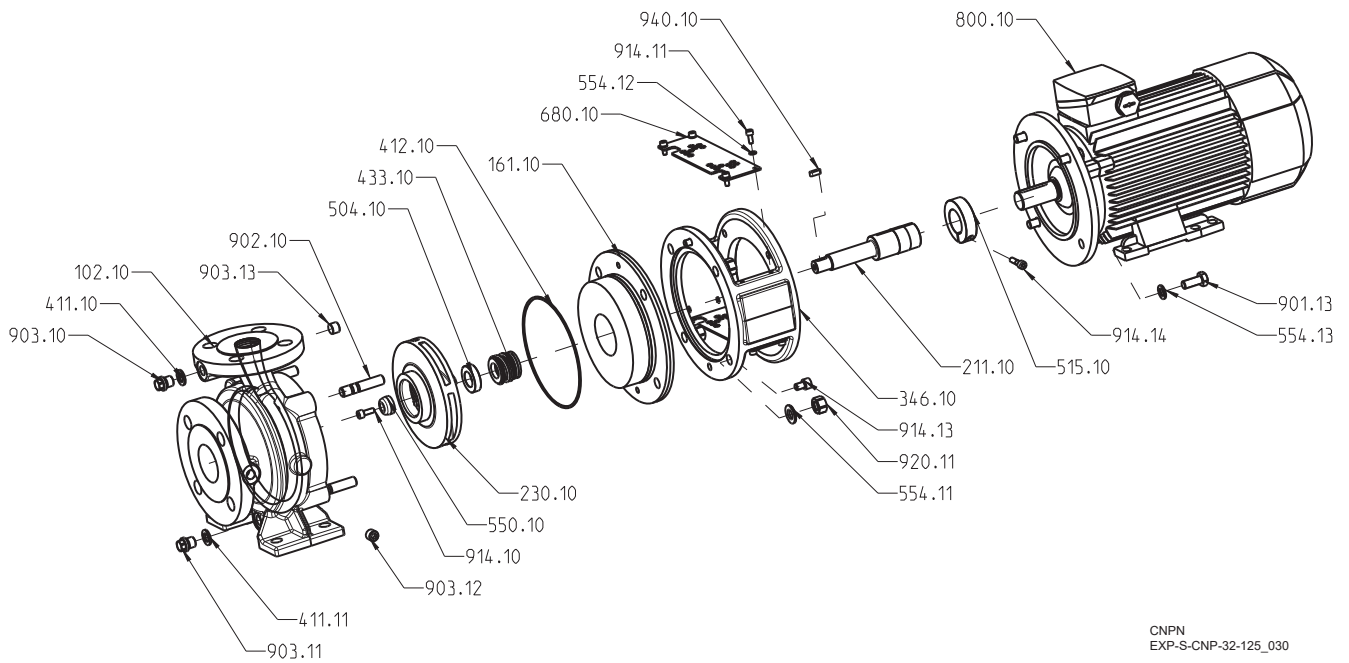
CNPN with mechanical seal and wear ring (separate bolt circle)



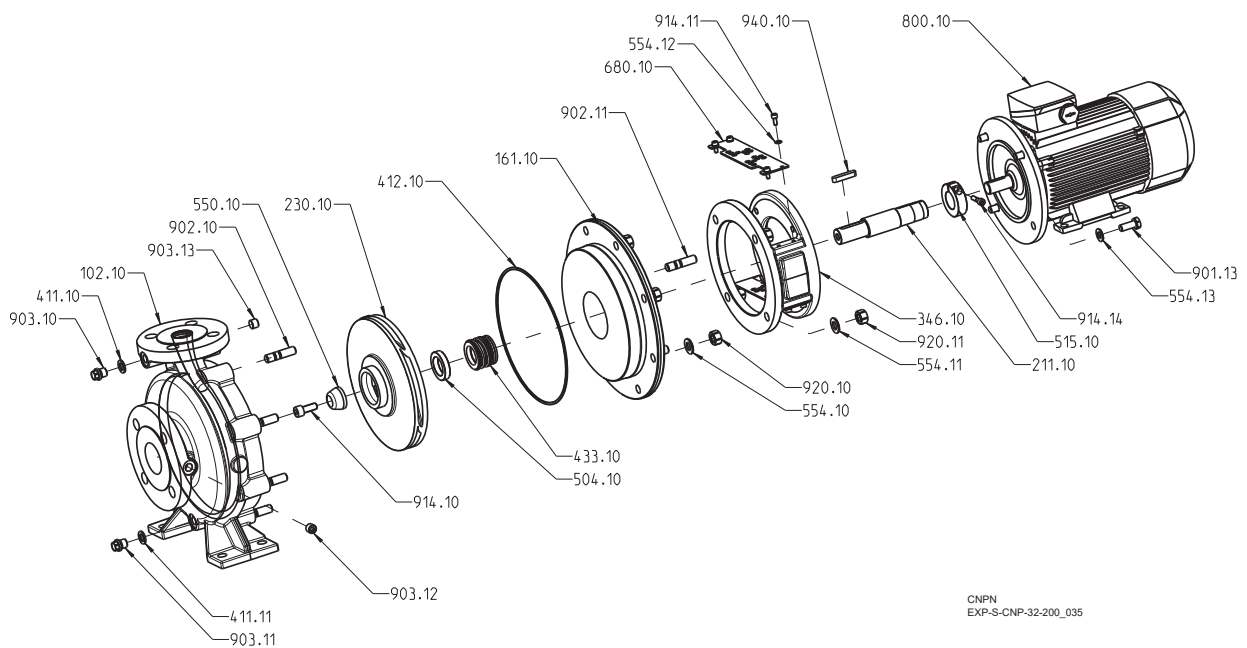
Chemical standard pumps  
Series CNP



CNPN with mechanical seal, without wear ring (same bolt circle)



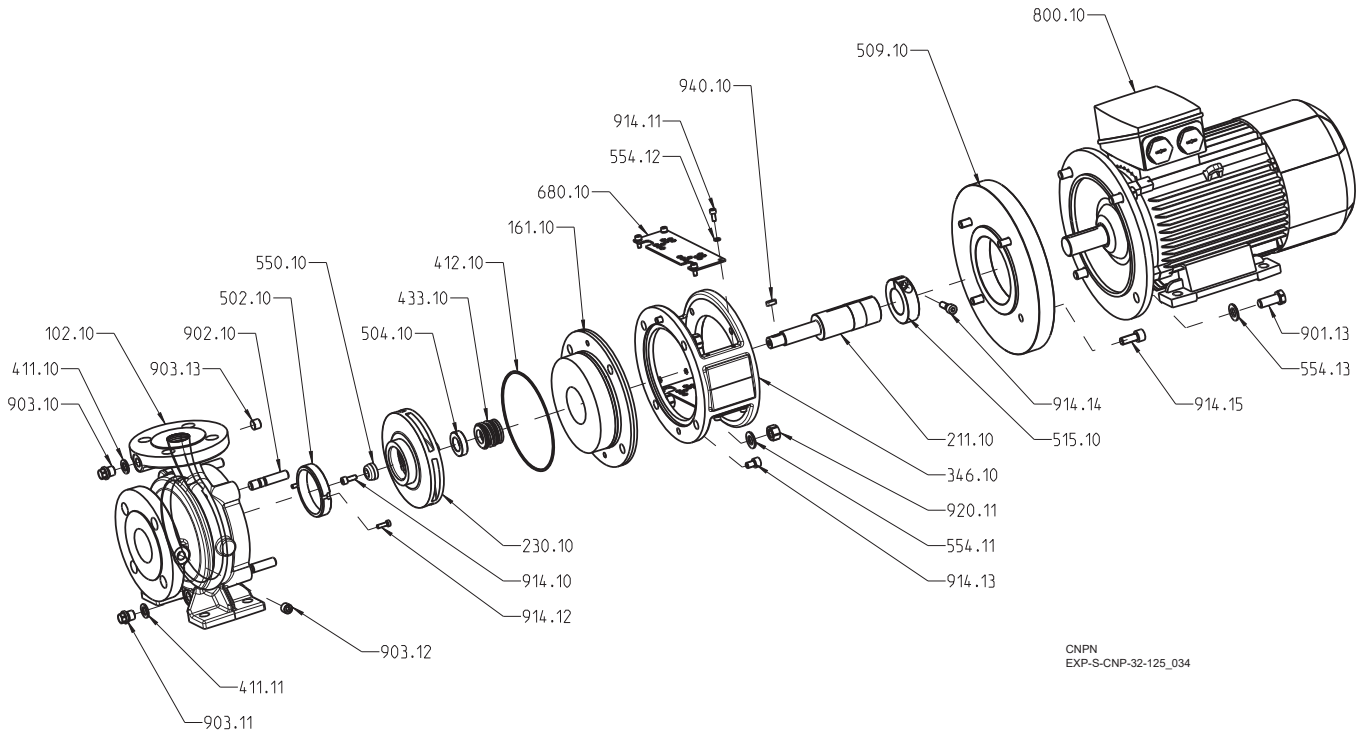
CNPN with mechanical seal, without wear ring (separate bolt circle)



Exploded  
Views

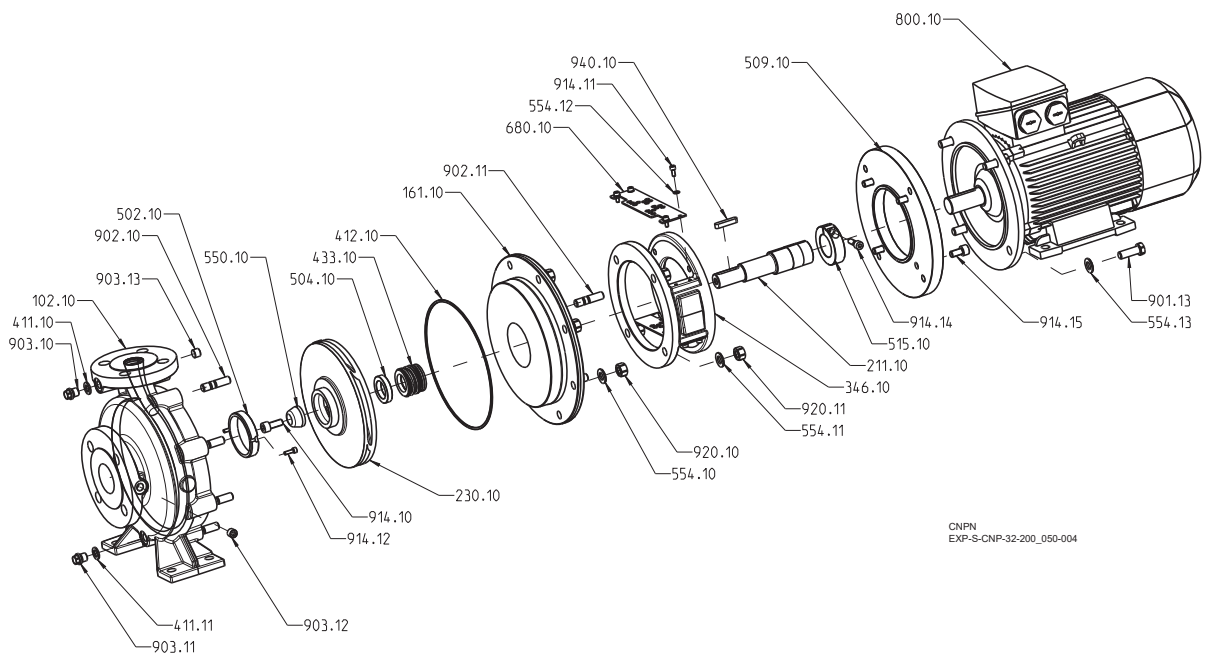
# STROBL PUMPEN

CNPN with mechanical seal, motor plate and wear ring (same bolt circle)



Exploded  
Views

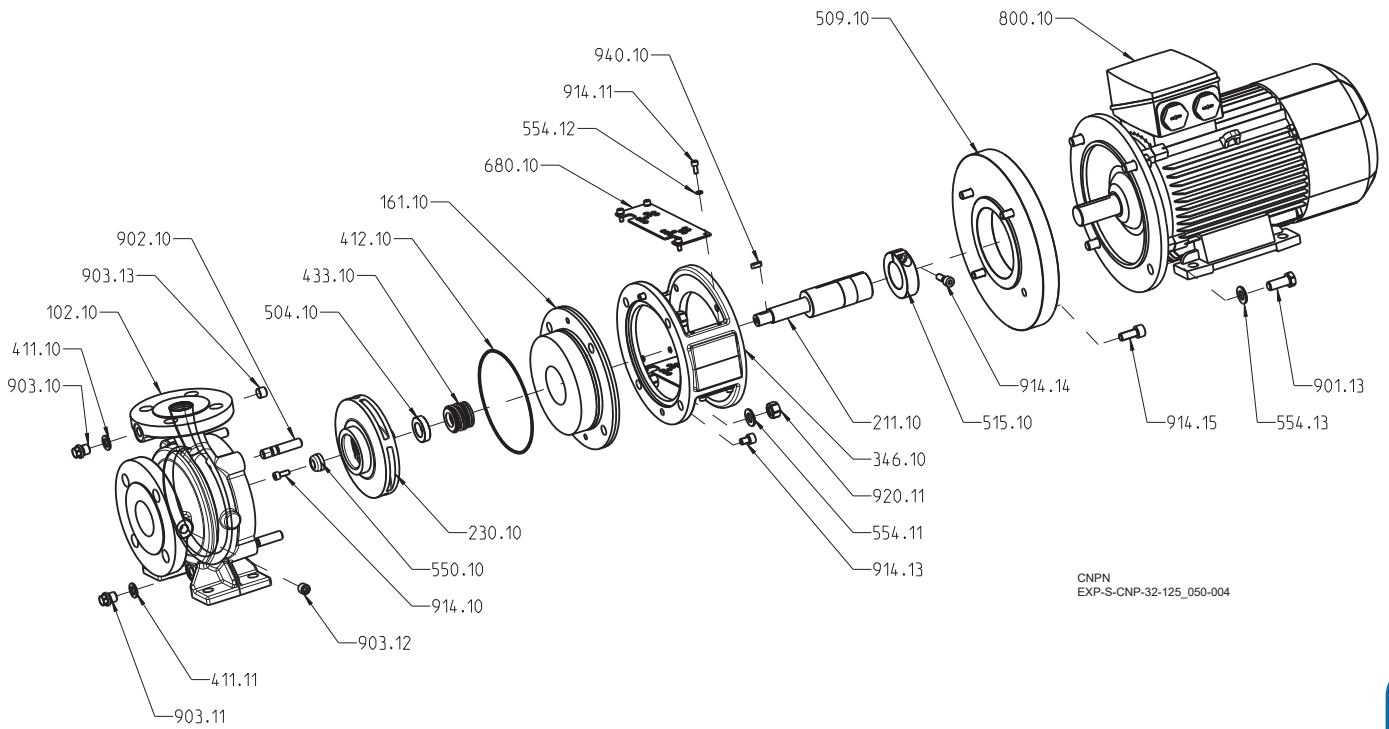
CNPN with mechanical seal, motor plate and wear ring (separate bolt circle)



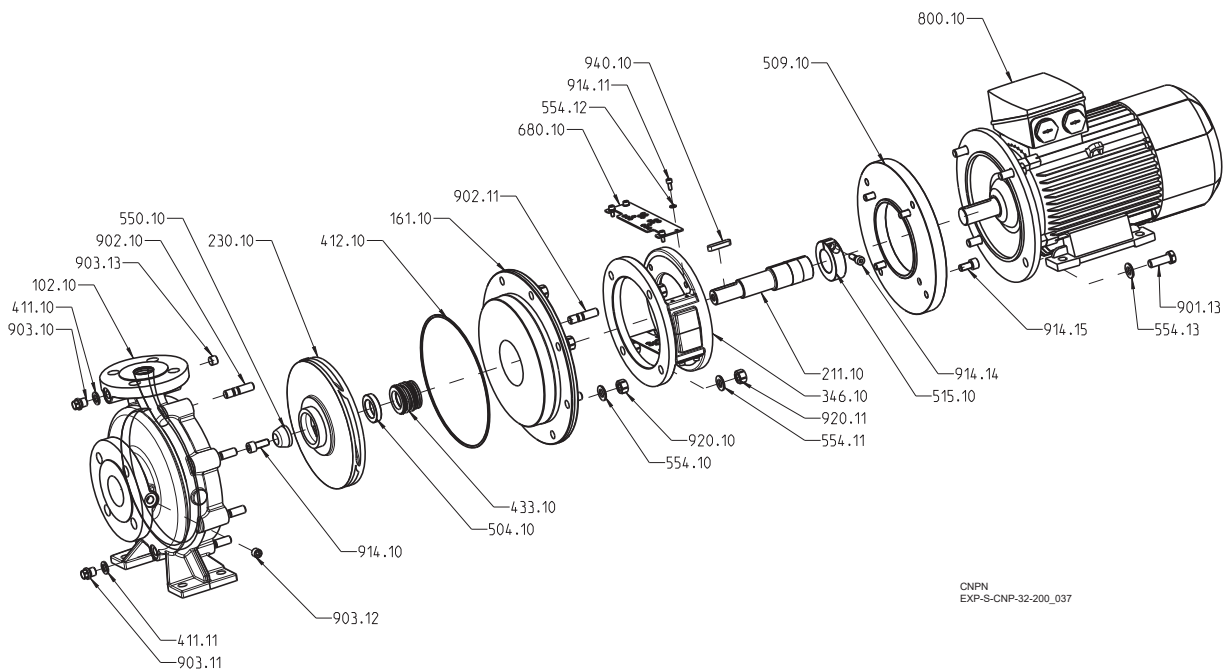
Chemical standard pumps  
Series CNP



CNPN with mechanical seal and motor plate, without wear ring (same bolt circle)



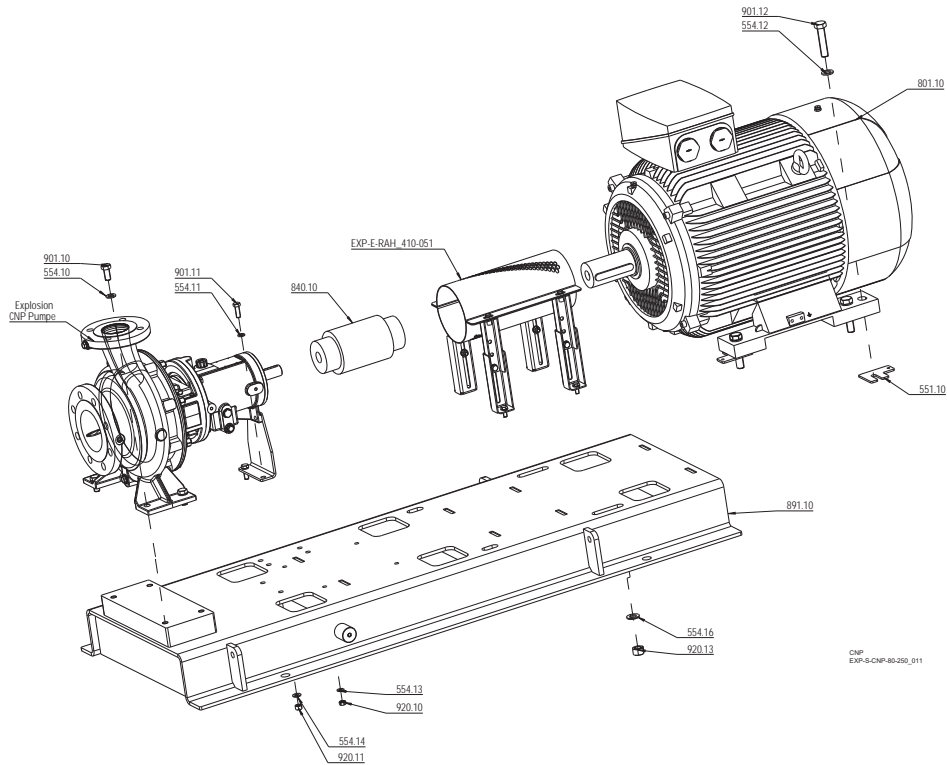
CNPN with mechanical seal and motor plate, without wear ring (separate bolt circle)



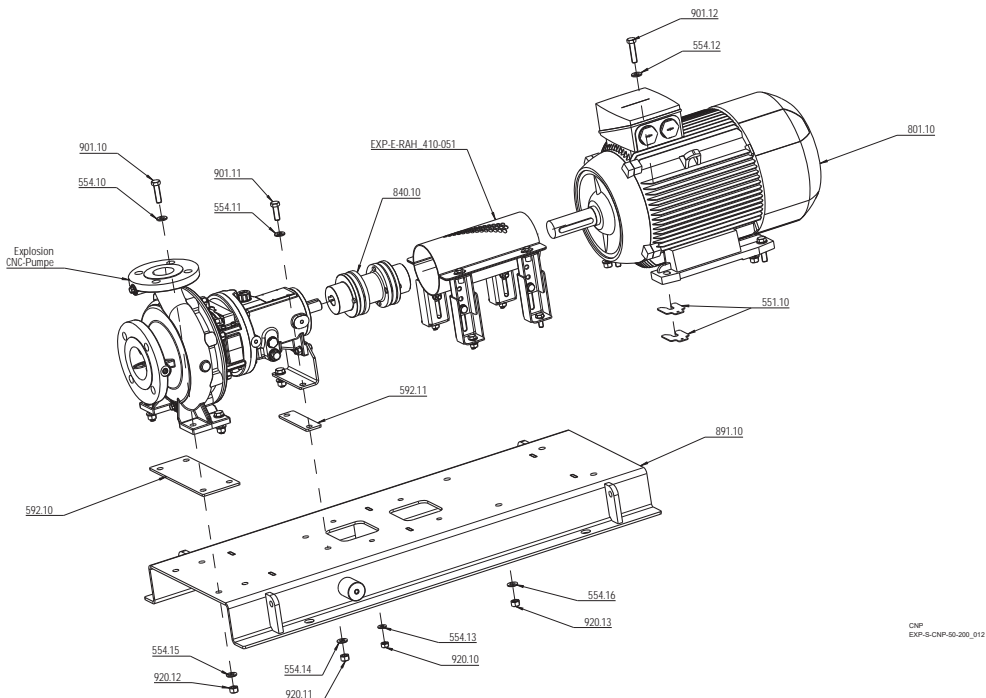
Exploded Views

# STROBL PUMPEN

CNPL on base plate with alignment of centre axis (pump side)



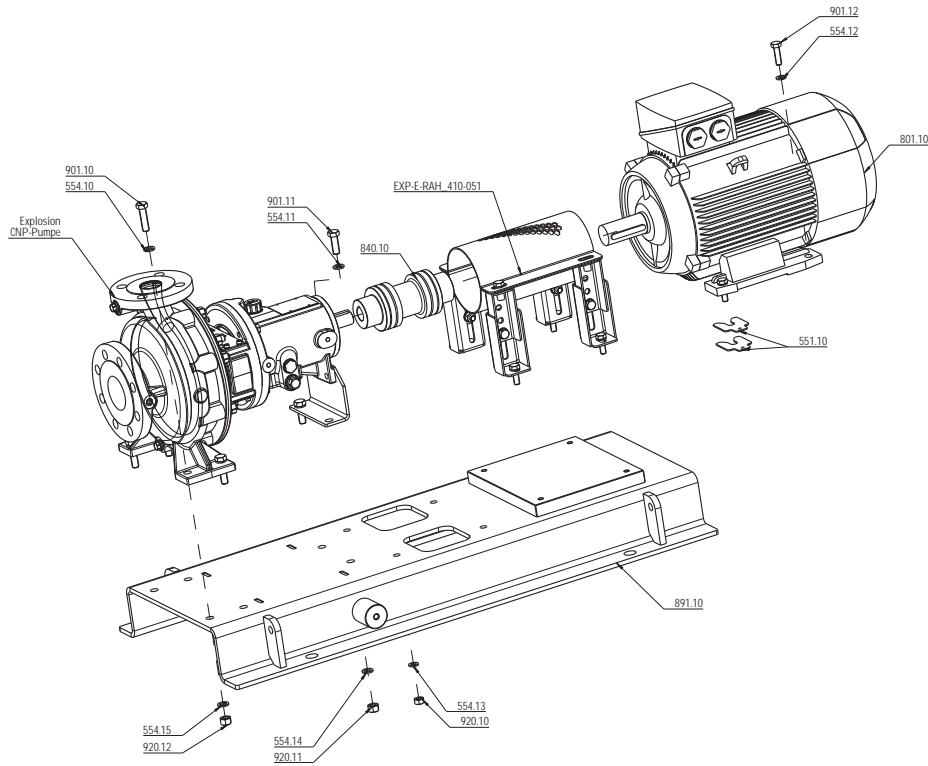
CNPL on base plate with alignment of centre axis (pump and motor side)



Chemical standard pumps  
Series CNP



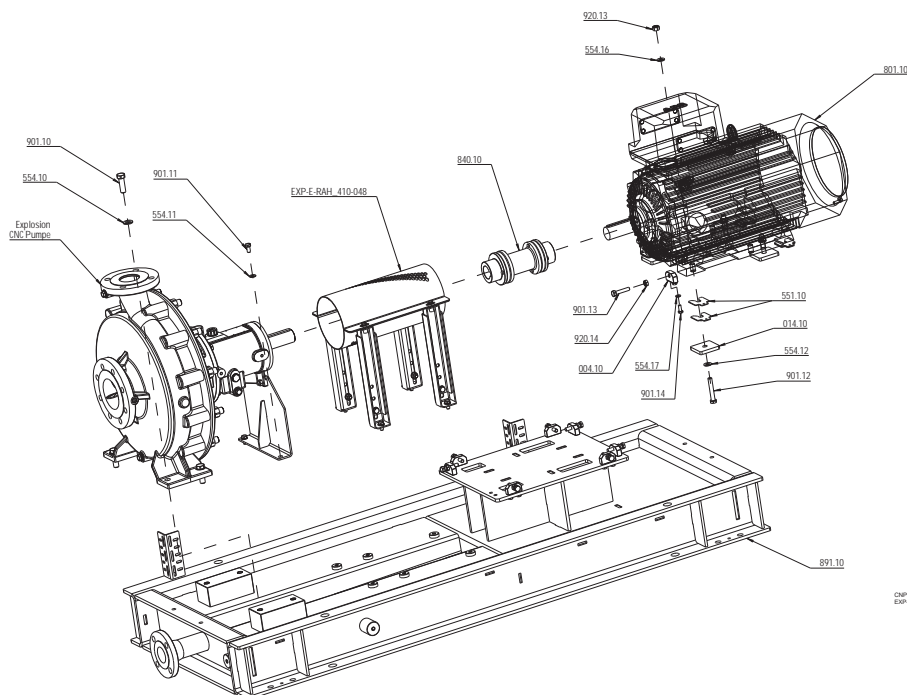
CNPL on base plate with alignment of centre axis (motor side)



CNP  
EXP-C-CNP-40-200\_011

Exploded views

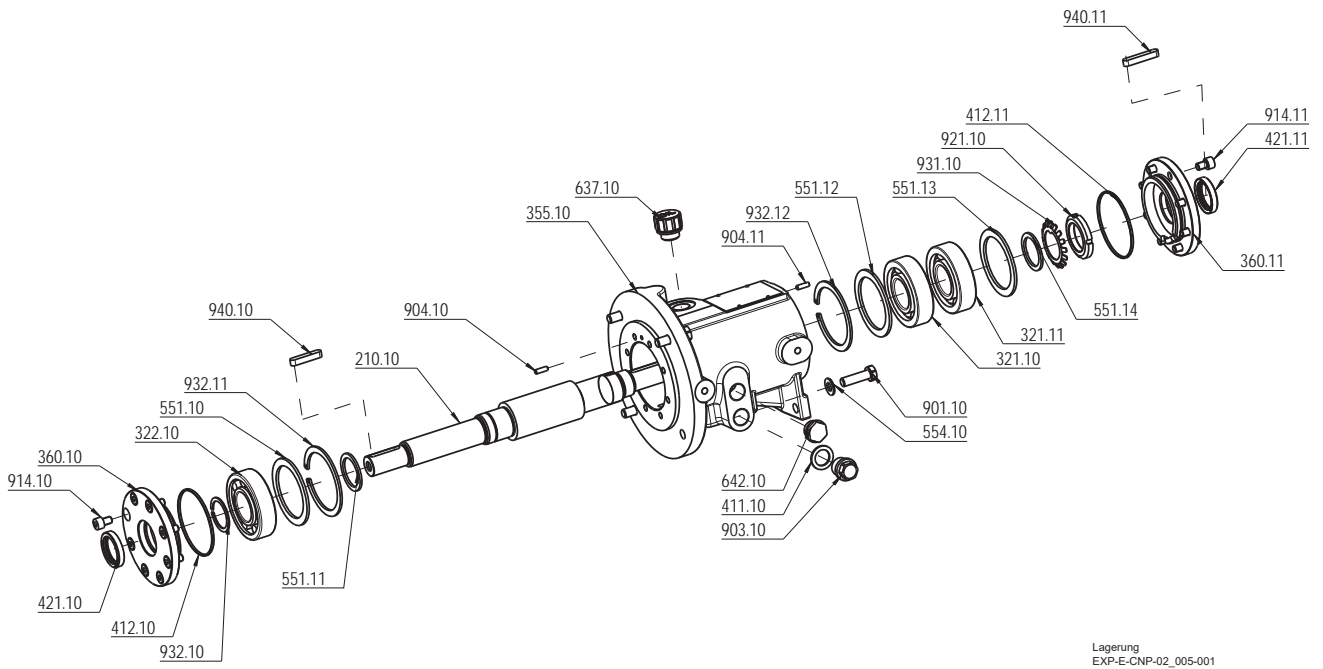
CNPL on drip tray



CNP, mit Tropfwanne  
EXP-C-CNP-60-400\_011

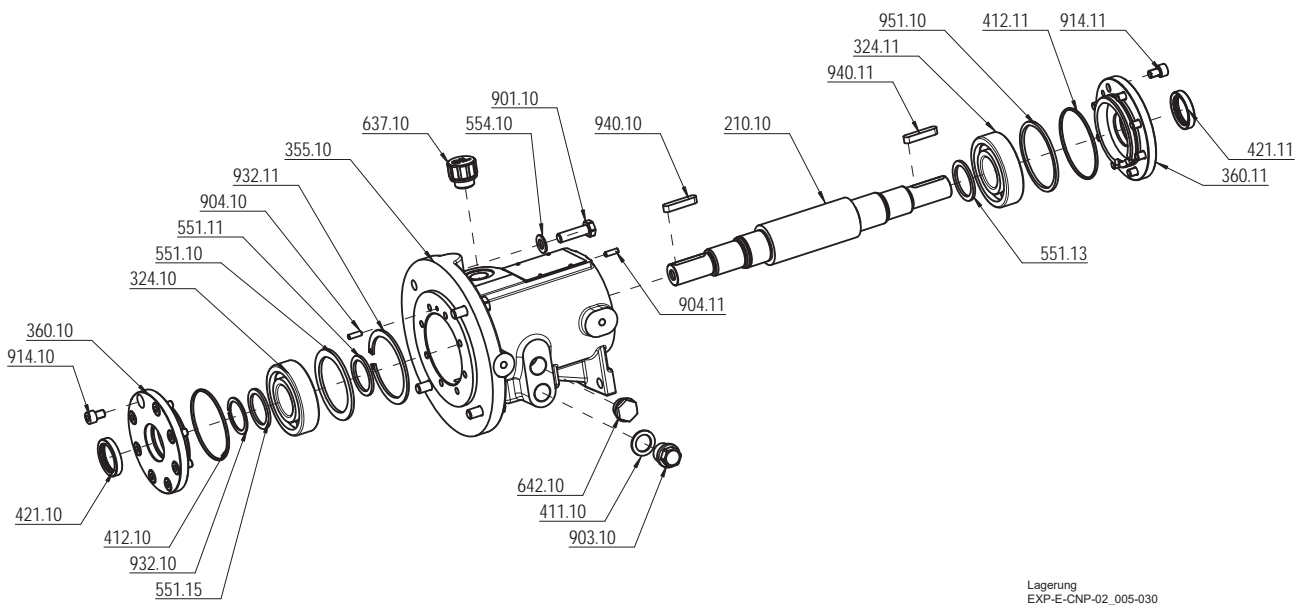
# STROBL PUMPEN

## CNP Standard bearing with radial lip seal



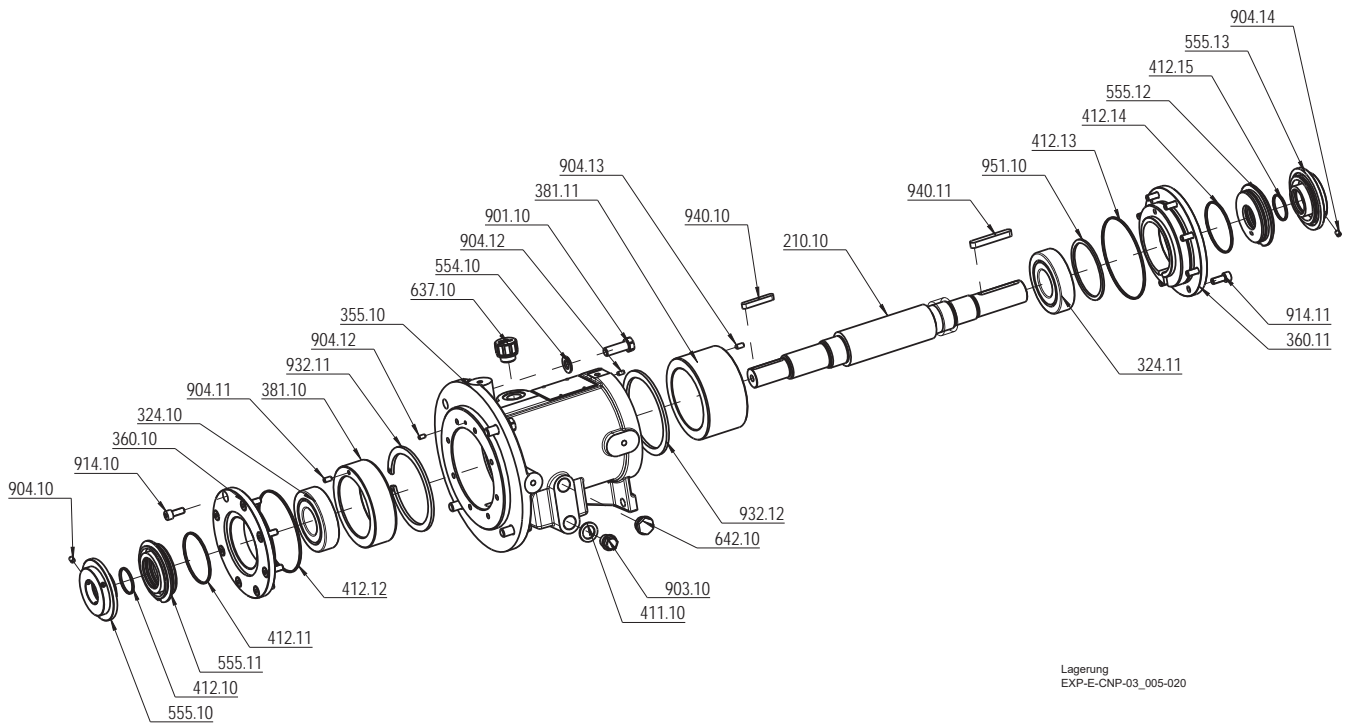
Exploded  
Views

## CNP Standard bearing with radial lip seal for MAK variant





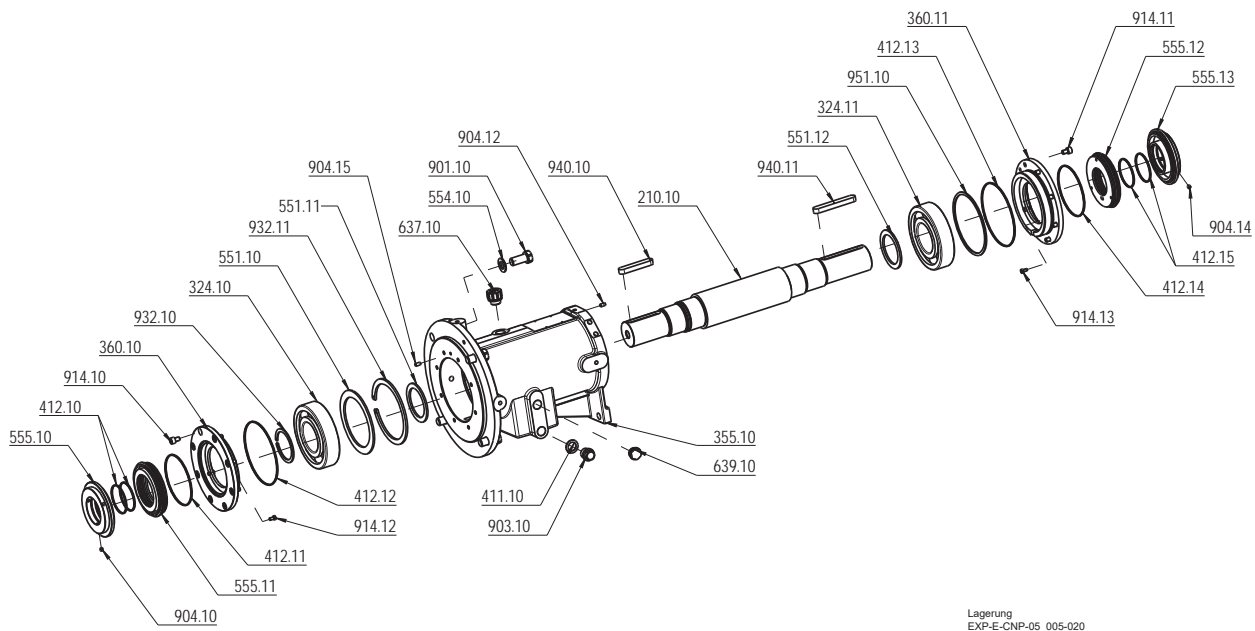
CNP Bearing with labyrinth seal and bearing insert for MAK variant



Lagerung  
EXP-E-CNP-03\_005-020

Exploded views

CNP Bearing with labyrinth seal without bearing insert for MAK variant



Lagerung  
EXP-E-CNP-05\_005-020

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Chemical standard pumps  
Series CNP



## Your contact



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