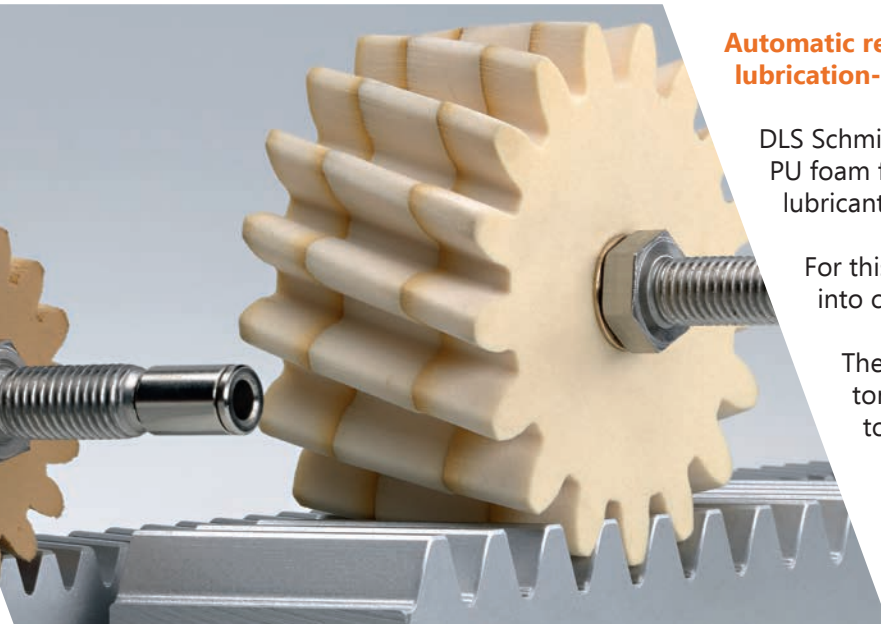


The PU-lubrication Pinion

Lubrication of open gear drives and racks

The teeth of open drives should preferably be relubricated automatically.

- F01 only for open gears and rack and Pinion drives
- F02 for open gears, rack and Pinion drives
and linear guides in food and Pharmaceutical sector (NSF)
- F03 for open gears, rack and Pinion drives and linear guides



Automatic relubrication with polyurethane lubrication-pinions

DLS Schmiersysteme supplies lubrication gears made of PU foam for the automatic, continuous application of the lubricant.

For this purpose, a suitable lubrication gear is brought into contact with the drive gear or the rack.

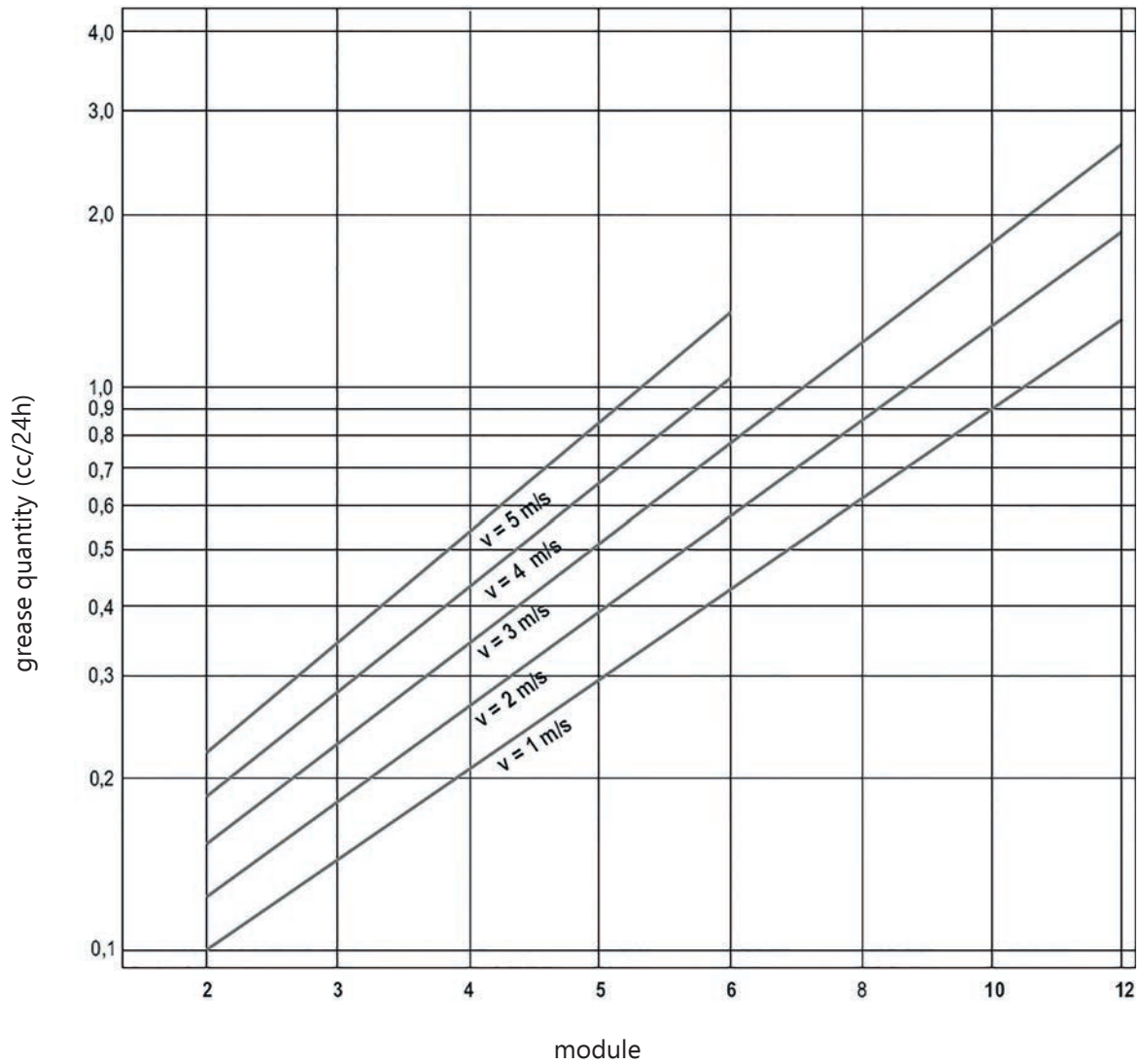
The PU lubrication gear does not transmit any torque, but only transfers the lubricant to the toothing that is in contact.

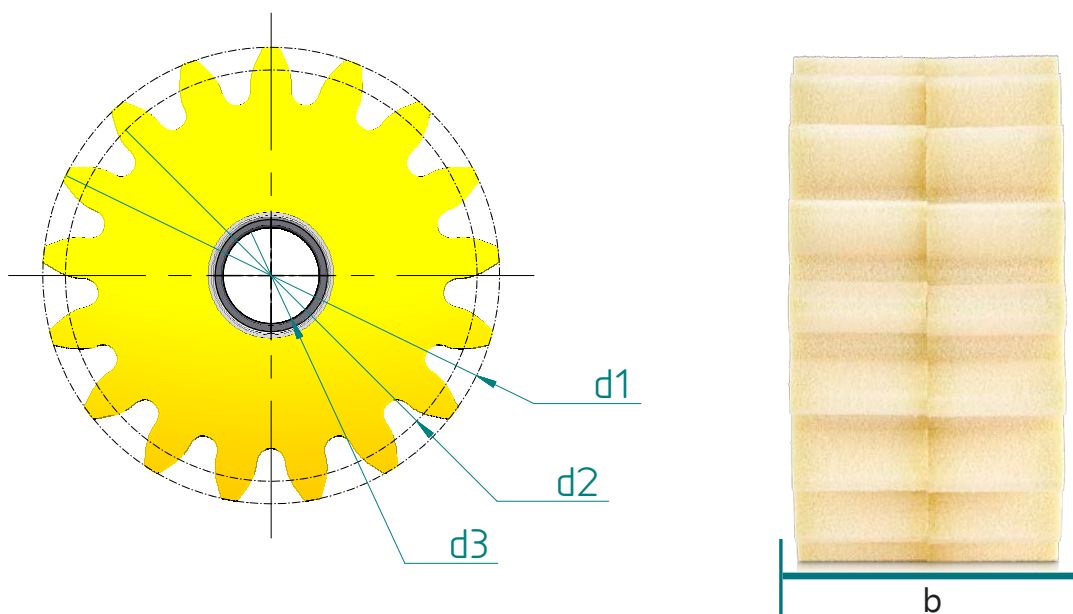
The required relubrication quantities for different gears under different operating conditions can be found in the diagram on the next page.

The diagram is only valid when used with a DLS PU lubricating Pinion and a suitable gear lubricant such as F01, F02 or F03.

Before using for the first time, the PU lubrication pinions must be filled with a suitable lubricant.

Grease requirement when lubricating with PU-lubrication-pinions



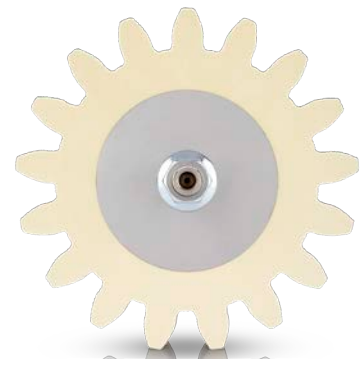
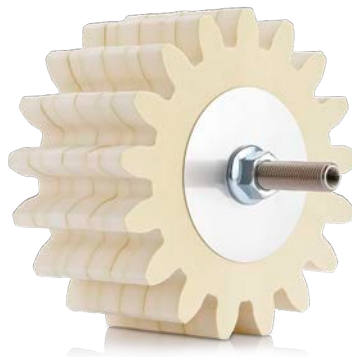
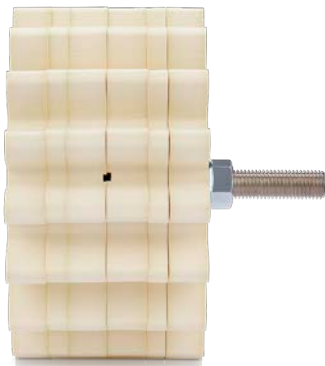
**Description:**

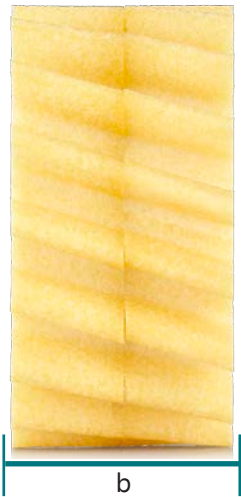
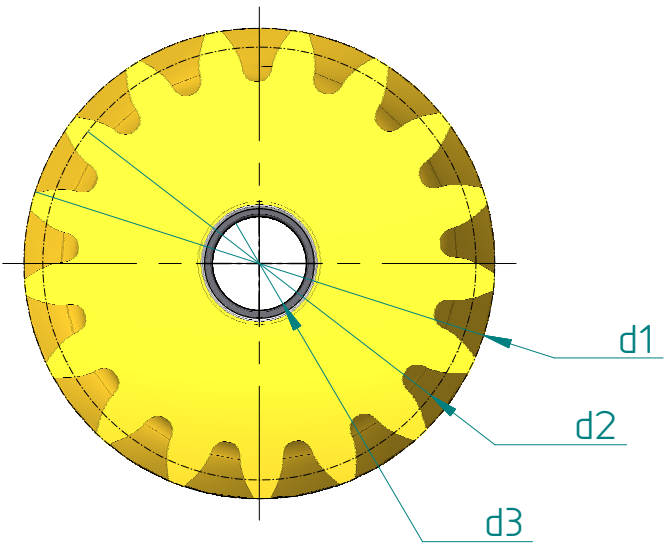
PU-Lubrication Pinion; straight;
incl. sleeve and plain bearing;
toothing according to DIN 867

Material:

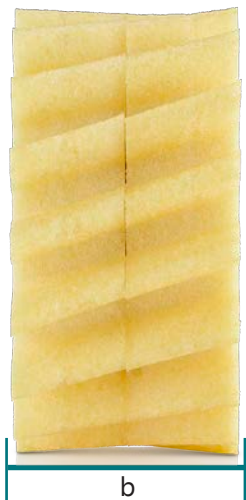
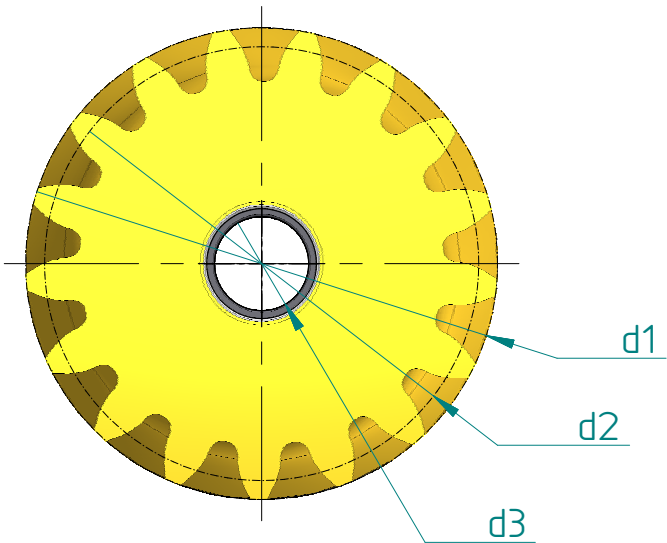
Lubrication Pinion: open-cell PU foam;
Sleeve: steel

module	z	b	d1	d2	d3	a	flanks	part-no.
1.5	24	15	41.2	38.2	12	20°	straight	130-015-024
2	17	20	40.1	36.1	12	20°	straight	130-020-017
3	17	30	60.1	54.1	12	20°	straight	130-030-017
4	17	40	80.2	72.2	12	20°	straight	130-040-017
5	17	50	100.2	90.2	20	20°	straight	130-050-017
6	17	60	120.2	108.2	20	20°	straight	130-060-017
8	17	80	160.3	144.3	20	20°	straight	130-080-017
10	17	100	200.4	180.4	20	20°	straight	130-100-017
12	8	120	125.9	101.9	20	20°	straight	130-120-008





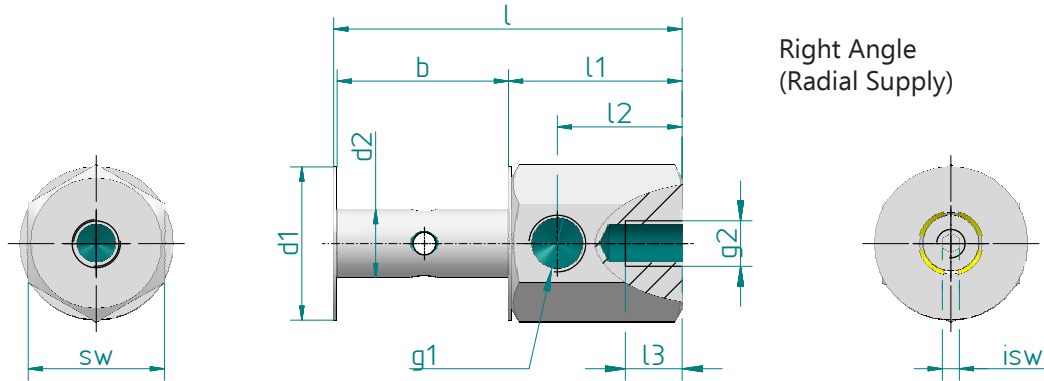
helical right
Meshes with pinion
when used with
standard Andantex
Racks & pinions



helical left
Meshes with Rack
when used with
standard Andantex
Racks & Pinions

module	z	b	d1	d2	d3	a	β	flanks	part-no.
1.5	24	15	41.2	38.2	12	20°	19°31'42"	right	131-015-024
								left	132-015-024
2	17	20	40.1	36.1	12	20°	19°31'42"	right	131-020-017
								left	132-020-017
3	17	30	60.1	54.1	12	20°	19°31'42"	right	131-030-017
								left	132-030-017
4	17	40	80.2	72.2	12	20°	19°31'42"	right	131-040-017
								left	132-040-017
5	17	50	100.2	90.2	20	20°	19°31'42"	right	131-050-017
								left	132-050-017
6	17	60	120.2	108.2	20	20°	19°31'42"	right	131-060-017
								left	132-060-017
8	17	80	160.3	144.3	20	20°	19°31'42"	right	131-080-017
								left	132-080-017
10	17	100	200.4	180.4	20	20°	19°31'42"	right	131-100-017
								left	132-100-017
12	8	120	125.9	101.9	20	20°	19°31'42"	right	131-120-008
								left	132-120-008

Mounting-axis



Description:
Mounting-axis for
PU-Lubrication Pinion;

Material:
Steel, nickel-plated

module	b	l	l1	l2	d1	d2	g1	g2	l3	sw	isw	part-no.
1.5	15.2	46.4	30.6	22	27	12	G1/8x10mm	M8	10	24	3	133-015-001
2	20.2	51.4	30.6	22	27	12	G1/8x10mm	M8	10	24	3	133-020-001
3	30.2	61.4	30.6	22	27	12	G1/8x10mm	M8	10	24	3	133-030-001
4	40.2	71.4	30.6	22	27	12	G1/8x10mm	M8	10	24	3	133-040-001
5	50.2	81.4	30.6	22	60	20	G1/8x10mm	M8	10	24	4	133-050-001
6	60.2	91.4	30.6	22	60	20	G1/8x10mm	M8	10	24	4	133-060-001
8	80.2	111.4	30.6	22	60	20	G1/8x10mm	M8	10	24	4	133-080-001
10	100.2	131.4	30.6	22	100	20	G1/8x10mm	M8	10	24	4	133-100-001
12	120.2	151.4	30.6	22	100	20	G1/8x10mm	M8	10	24	4	133-120-001

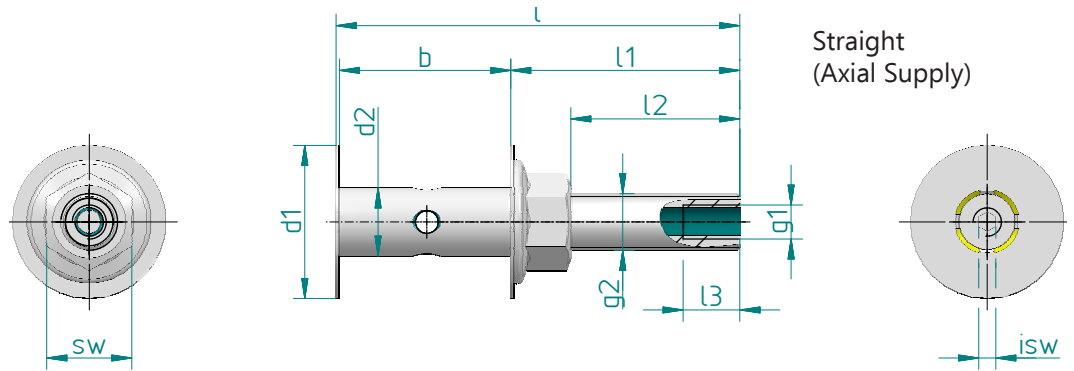


Description:

Mounting-axis for
PU-Lubrication Pinion;

Material:

Steel, nickel-plated



module	b	l	l1	l2	d1	d2	g1	g2	l3	sw	isw	part-no.
1.5	15.2	60.4	44.6	34.0	27	12	M6	M10	10	15	3	133-015-002
2	20.2	61.2	40.4	29.8	27	12	M6	M10	10	15	3	133-020-002
3	30.2	71.2	40.4	29.8	27	12	M6	M10	10	15	3	133-030-002
4	40.2	81.2	40.4	29.8	27	12	M6	M10	10	15	3	133-040-002
5	50.2	116.4	65.5	48.9	60	20	G1/8	M16	10	24	4	133-050-002
6	60.2	126.4	65.5	48.9	60	20	G1/8	M16	10	24	4	133-060-002
8	80.2	146.4	65.5	48.9	60	20	G1/8	M16	10	24	4	133-080-002
10	100.2	166.4	65.5	48.9	100	20	G1/8	M16	10	24	4	133-100-002
12	120.2	186.4	65.5	48.9	100	20	G1/8	M16	10	24	4	133-120-002

