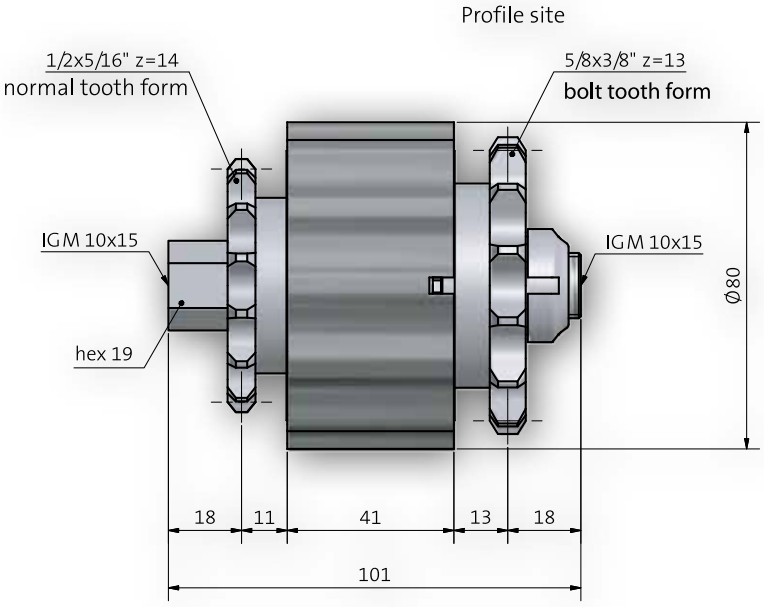
Contactless Conveying

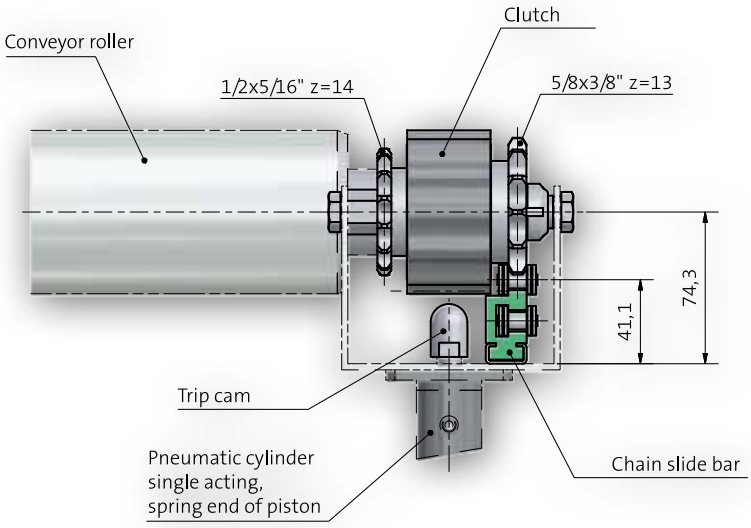
Type 530

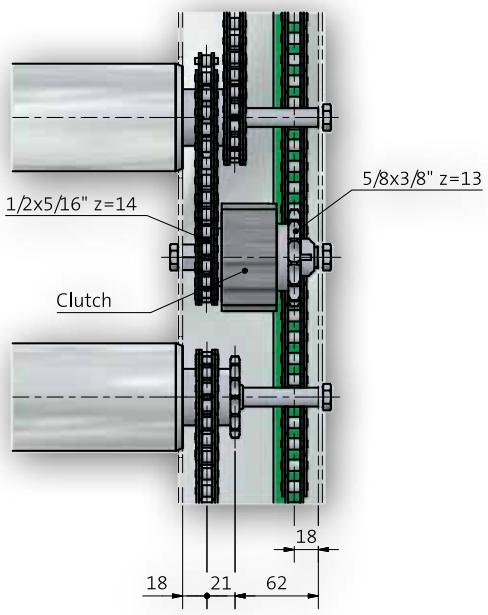
The clutch system Type 530 is made for transport of goods up to 10.000N. On one side the clutch has a sprocket 5/8 x 3/8“ z13 with Bolt Tooth Form for tangential drive.
On the other side there is a chain 1/2 x 5/16“ z14, that transmits the power to the driven section.



Note:

- max. load capacity 10.000N
- max. speed 0,2m/s
- please consider the breaking load of the 5/8“ chain when dimensioning the pallet places
- overrun for 10.000N is around ca. 200mm
- not to be combined with Drive System or RMD-Card

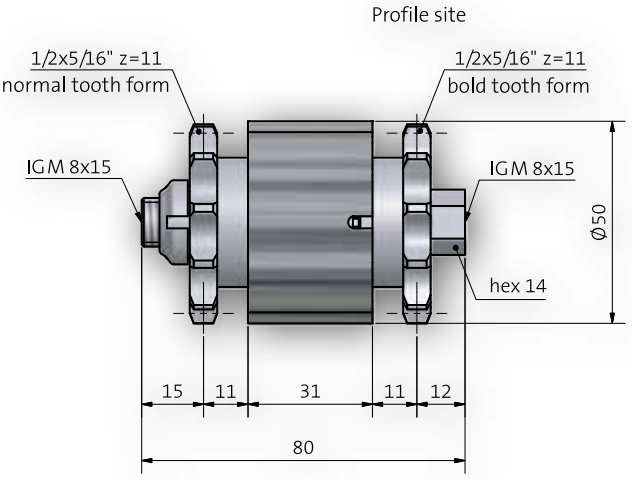




Contactless Conveying

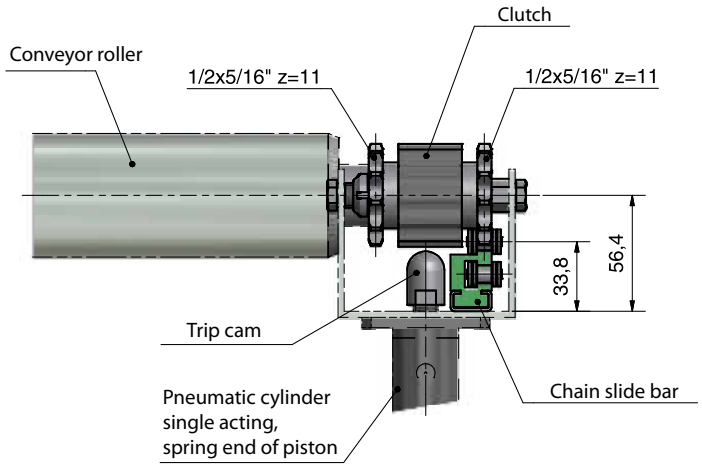
Type 531

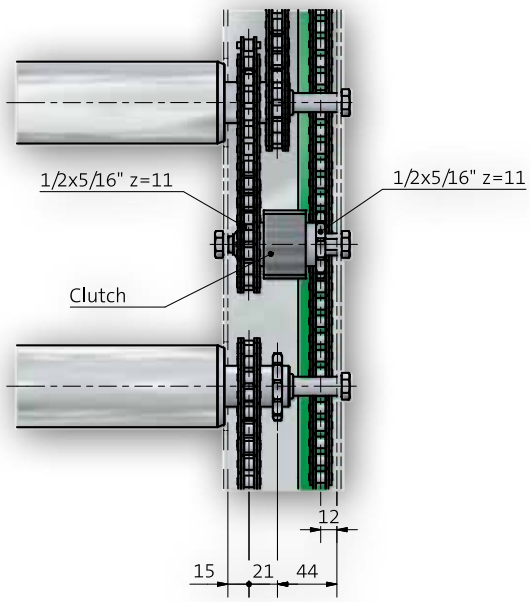
The clutch system Type 531 is made for transport of goods up to 1.200N. On one side the clutch has a sprocket 1/2 x 5/16“ z11 with Bolt Tooth Form for tangential drive. On the other side there is a chain 1/2 x 5/16“ z11, that transmits the power to the driven section.



Note:

- max. load capacity 1.200N
- max. speed 0,3m/s
- please consider the breaking load of the 1/2“ chain when dimensioning the pallet places
- overrun for 1.200N is around ca. 100 mm
- not to be combined with Drive System or RMD-Card



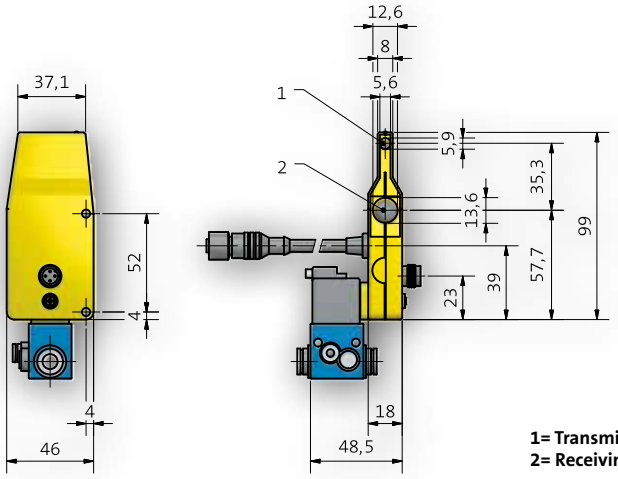


Contactless Conveying

Accessories for Type 530/531

Type 530 – Light Sensor

Retro-Reflex Sensor for Conveyor Systems



1= Transmitting diode
2= Receiving diode

- integrated logic
- electrical background suppression
- scaled switching distance adjuster
- fully encapsulated

Optical Data	
Range	550 mm
Potentiometer min	220...270 mm
Potentiometer center	320...400 mm
Potentiometer max	550...630 mm
Switching Hysteresis	< 15 %
Light Source	Infrared Light
Wave Length	880 nm
Service Life (Tu = +25°C)	10000 h
Max Ambient Light	10000 Lux
Opening Angle	5°

Mechanical Data	
Range 550 mm	Housing Plastic
Full Encapsulation	yes
Protection Mode	IP 65
Connection	M 12x1
Cable Length	88 cm

Electronical Data	
Supply Voltage	18...30 V DC
Current Consumption Sensor (Ub = 24V)	< 30 mA
Switching Frequency	100 Hz
Response Time	5 ms
Temperature Drift	< 10 %
Temperature Range	-15...50°C
Switching Outputs	1
Switching Output Voltage Drop	< 0.8 V
PNP Switching Output/Switching Current	200 Ma
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Logic	yes
Block Discharge	yes
Valve Control	yes

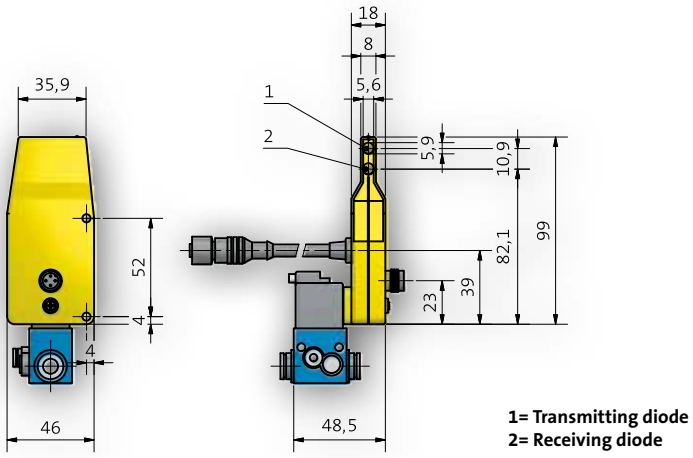
Pneumatic Solenoid Valve Unit	
Valve No.	K04
Supply Voltage Valve	19.2...28.8 V
Current Consumption Valve	86 mA
Operating Pressure	0.5...7 bar
Nominal Width	0.8 nn
Nominal flow rate	1 -> 2 20 Nl/min
Nominal flow rate	2 -> 3 100 Nl/min
Supply line connector pipe	2x 8x1
Working line connector pipe	4x1
Switching function	NC

Contactless Conveying

Accessories for Type 530/531

Type 530 – Light Sensor

Reflex Sensor for Conveyor Systems



1= Transmitting diode
2= Receiving diode

- integrated logic
- recognition of high-gloss and jet black objects
- large Working Range
- fully encapsulated

Optical Data	
Range	6500 mm
Reference Reflector	RQ100BA
Min Distance on Reflector	100 mm
Switching Hysteresis	< 15 %
Light Source	Red Light
Polarization Filter	yes
Service Life (Tu = +25°C)	10000 h
Max Ambient Light	10000 Lux
Opening Angle	5°

Mechanical Data	
Housing	Plastic
Full Encapsulation	yes
Protection Mode	IP 65
Connection	M 12x1
Cable Length	88 cm

Electronical Data	
Supply Voltage	18...30 V DC
Current Consumption Sensor (Ub = 24V)	< 25 mA
Switching Frequency	100 Hz
Operating Pressure	0.5...7 bar
Temperature Drift	< 10 %
Temperature Range	-15...50°C
Switching Outputs	1
Switching Output Voltage Drop	< 0.8 V
PNP Switching Output/Switching Current	200 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Logic	yes
Block Discharge	yes
Valve Control	yes

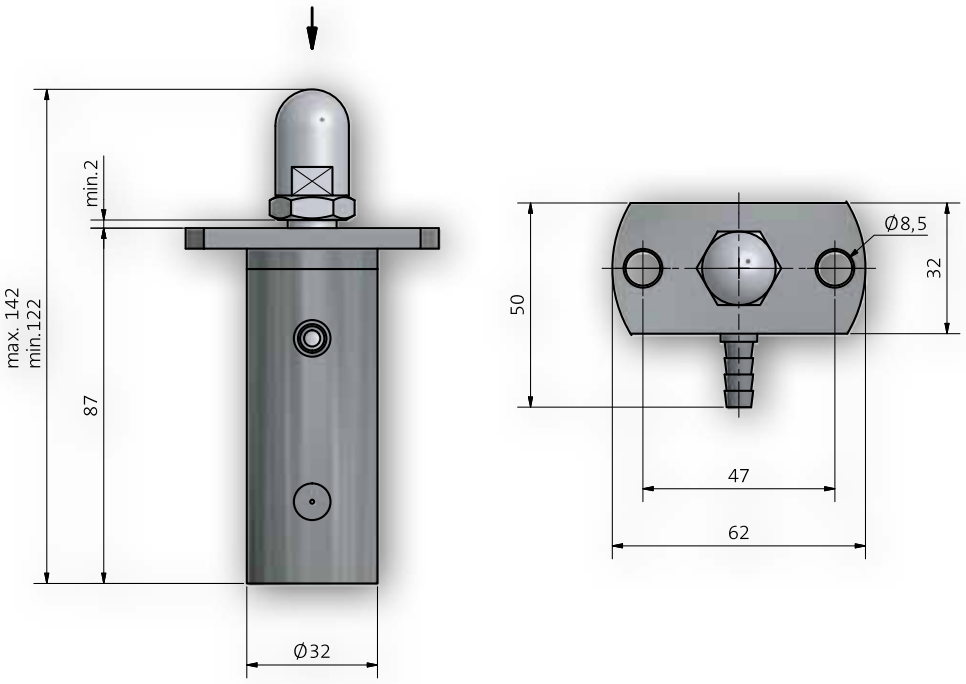
Pneumatic Solenoid Valve Unit	
Valve No.	K04
Supply Voltage Valve	19.2...28.8 V
Current Consumption Valve	86 mA
Operating Pressure	0.5...7 bar
Nominal Width	0.8 nn
Nominal flow rate	1 -> 2 20 Nl/min
Nominal flow rate	2 -> 3 100 Nl/min
Supply line connector pipe	2x 8x1
Working line connector pipe	4x1
Switching function	NC

Contactless Conveying

Accessories for Type 530/531

Type 530 Z / 531 Z

Pneumatic Cylinder



Datas

Material	Plastic black	
Cylinder rod	Stainless Steel with shift cam	
Connector	Plastic Tube	(Connecting to Light Barrier by reducing from 6 to 4 mm)
Lift	20 mm	
max. Pressure	4 bar	

Function

Resting position without air:

- Cylinder rod out
- Clutch latched off
- Section standing

with air:

- Cylinder rod in
- Clutch latched in
- Section running

Contactless Conveying

Construction Advice