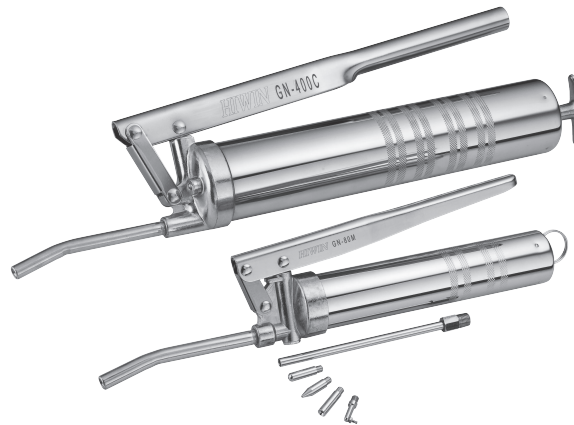


2-16 Grease

2-16-1 Grease Gun Unit

HIWIN offers different capacities and packages for grease gun reload, depending on various requirements. The grease gun could not only be equipped with normal grease nozzle, but also be replaced with other nozzles for other kinds of grease nipples.



Grease Nipple : M6, PT1/8

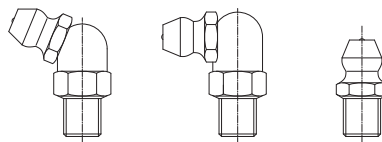


Table 2-16-1

Model no.	GN-80M	GN-400C
Dimension		
Spec.	<ol style="list-style-type: none"> Working pressure: 15 MPa Output: 0.5~0.6 c.c./Stroke Weight: 520 g(grease excluded) Grease reload: 70 g flexible tube or 120 ml bulk loading 	<ol style="list-style-type: none"> Working pressure: 15 MPa Output: 0.8~0.9 c.c./Stroke Weight: 1150 g (grease excluded) Grease reload: 14 o.z. cartridge pipe or 400 ml bulk loading

Grease

2-16-2 Grease Nozzle Kit (Model no. GNZ-05-BOX)

HIWIN grease nozzle kit with various nozzles offers grease reload for different kinds of grease nipples.

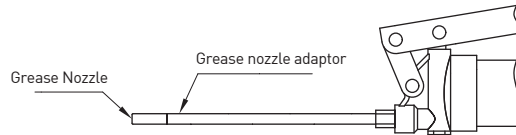


Table 2-16-2 Grease Nozzle Adaptor

Model no.	Dimensions
GT-PT1/8-M5	

Table 2-16-3 Grease Nozzle

Model no.	Dimensions	Lubricating Type
GNZ-L-M5		Minimized grease hole
GNZ-P-M5		Minimized grease hole
GNZ-R-M5		Dent nipple (DIN3405)
GNZ-C-M5		Nipple (M3, M4 thread)

2-16-3 Grease

HIWIN offers various lubricants for environment such as general type, heavy load, low particle emitting, high speed, etc. According to the ways of grease reload, choices for different capacities and packages of grease are available.

Packing :70g Flexible tube, 400g Pipe, 1kg Can

○ HIWIN G01 Grease of Heavy-loading

Features:

1. Excellent wear and pressure resistance under heavy load condition
2. Low friction in low temperatures
3. Water resistant
4. Available for central lubrication system

Basic Properties :

Color	Light yellow	
Base Oil	Mineral oil	
Consistency Enhancer	Polyurea	
Additive	Solid lubricant	
Service Temperature (°C)	-15~115	
NLGI-grade (0.1mm)	310-340	
Viscosity (cst)	40°C	500
	100°C	30
Drop Point (°C)	> 170	

○ HIWIN G02 Grease of Low Particle-emitting

Features:

1. Low particle emitting rate and suitable for clean room environment
2. Wear resistant
3. For long term usage and wide temperature range
4. Consisting of synthetic hydrocarbon oil and special calcium soap, also resistant to oxidation and corrosion

Basic Properties:

Color	Beige	
Base Oil	Synthetic hydrocarbon oil	
Consistency Enhancer	Special calcium soap	
Service Temperature(°C)	-30~140	
NLGI-grade (0.1mm)	265-295	
Viscosity (cst)	40°C	100
	100°C	15
Drop Point (°C)	> 180	

○ HIWIN G03 Grease of Low Particle-emitting (High Speed)

Features:

1. Low particle emitting rate and suitable for clean room environment
2. Wear resistant
3. For long term usage and wear resistance under high speed condition

Basic Properties:

Color	Beige	
Base Oil	Synthetic hydrocarbon oil	
Consistency Enhancer	Special calcium soap	
Service Temperature (°C)	-45~125	
NLGI-grade (0.1mm)	265-295	
Viscosity (cst)	40°C	30
	100°C	5.9
Drop Point(°C)	> 210	

○ HIWIN G04 Grease of High Speed

Features:

1. Wear resistant under high speed condition
2. Low friction under high speed condition
3. Water resistant

Basic Properties:

Color	Beige	
Base Oil	Ester/PAO	
Consistency Enhancer	Lithium soap	
Service Temperature (°C)	-35~120	
NLGI-grade (0.1mm)	260-280	
Viscosity (cst)	40°C	25
	100°C	6
Drop Point(°C)	> 225	

Grease

HIWIN G05 Grease of General Type

Features:

1. Wear resistance
2. Low friction resistance
3. Long-life
4. Low oxidation tendency
5. Water resistant
6. Corrosion resistant

Basic Properties:

Color	Brown
Base Oil	Mineral
Consistency Enhancer	Lithium Soap
Service Temperature [°C]	-15~120
NLGI-grade (0.1mm)	270-285
Viscosity (cst) 40°C	200
Drop Point(°C)	190

HIWIN G07 Grease for Low Temperature Condition

Features:

1. For low temperature condition: -50°C to 0°C.
2. Low starting and running torques particularly at low temperatures

Basic Properties:

Color	Beige
Base Oil	Mineral
Consistency Enhancer	Lithium- calcium soap
Service Temperature [°C]	-50~80
NLGI-grade (0.1mm)	310-340
Viscosity (cst) 40°C	14
100°C	3

HIWIN G06 Grease for High Frequency or Short-stroke Condition

Features:

1. Well wear resistance under high frequency(1.5~3G) or short-stroke condition.
2. Long term grease, suitable for wide temperature range
3. Can be used in plastic/steel and plastic/ plastic components, compatible with elastomers and plastic materials

Basic Properties:

Color	Beige
Base Oil	PAO
Consistency Enhancer	Special lithium soap
Service Temperature [°C]	-45~130
NLGI-grade (0.1mm)	265-295
Viscosity (cst) 40°C	32
100°C	6
Drop Point(°C)	190