

ROLLER CAGES / ROLLER STOPPERS, FIXED TYPE / ROLLER SPRINGS

CLAMPS FOR STRIPPER GUIDE PINS / MILLION GREASE

— POLYUREA EP GREASE —

RoHS **RBJ** (Roller cage)

M Polyacetal (Roller:SUJ2)

d	l	P	Number of rollers	Catalog No.		RL	Base unit price 1~9 pieces
				Type	PD		
2.0	6.8	4.7	24	RBJ (Roller cage)	16	30	Quotation
2.0	6.8	4.8	51		20	46	
2.0	7.8	4.7	63		25	(56)	

Order **Catalog No.** — **RL**
RBJ 20 — 46

Days to Ship **Quotation**

Price **Quotation**

RoHS **RSTKH** (Roller stopper, fixed type)

M S45C
S Electroless nickel plating
A ①CB ②Spring washer

⊕ No surface treatment on bottom face

D	D ₁	t	Catalog No.		S 1mm increments	Base unit price 1~9 pieces
			Type	PD		
17	13.5	8.5	RSTKH (Fixed stopper)	16	11~20	Quotation
21	18	11		20	11~25	
26	23	11		25	11~30	

⊕ PD=Post diameter
Order **Catalog No.** — **S**
RSTKH 16 — 12

Days to Ship **Quotation**

Price **Quotation**

① Provided bolt CB

PD (No.)	S				
	11~13	14~18	19~23	24~28	29~30
16	M6×15	M6×20	M6×25	—	—
20	M8×15	M8×20	M8×25	M8×30	—
25	M8×15	M8×20	M8×25	M8×30	M8×35

RoHS **RSWP** (Roller spring)

M SWP—B

D	D ₁	d	P	Catalog No.		FL 5mm increments	Base unit price 1~9 pieces
				Type	PD		
17.9	16.3	0.8	12	RSWP (Roller spring)	16	30~80	Quotation
22.1	20.3	0.9	14		20	35~80	
27.2	25.4	0.9	15		25	40~80	

Order **Catalog No.** — **FL**
RSWP 20 — 80

Days to Ship **Quotation**

Price **Quotation**

Type	PD	Spring solid height (mm) / Spring constant (g / mm)										
		FL (Free length)										
		30	35	40	45	50	55	60	65	70	75	80
RSWP	16	3.7	4.1	4.4	4.6	5.0	5.3	5.7	5.9	6.2	6.6	6.9
		32	26	23	22	20	19	16	15	14	13	12
	20	4.1	4.4	4.7	5.0	5.3	5.7	5.9	6.3	6.7	6.9	
		28	24	22	19	18	16	15	14	13	12	
25	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6			
	13	12	10	9	9	8	8	7	7			

Upper: Solid height
Lower: Spring constant

RoHS **FCLP** (Clamp for stripper guide pin)

M S45C
S Black oxide (FesO₄)
A CB4—10

Catalog No. Type	T	M	Base unit price 1~9 pieces

Order **Catalog No.** — **M**
FCLP 5 — 4

Days to Ship **Quotation**

Price **Quotation**

⊕ FCLP can be used as a clamp for SGPWH·RSGPW·RSGPS.
Use 3 pieces for D20 or less, or 4 pieces for D25 or more.

RoHS MILLION GREASE (Polyurea EP grease)

MGS—80 (80g)
MGS—400 (400g)

Material name	Composition ratio
Base oil: refined mineral oil	Approx. 75%
Thickener: polyurea	Approx. 10%
Additive	Approx. 15%

Volume (g)	Exterior	Service temperature range	Consistency (25°C)	Catalog No.	¥ Base unit price	
					1piece	2piece ~
80	Yellow threads	-20 ~ 150°C	320	MGS—80 MGS—400	Quotation	
400						

Order **Catalog No.**
MGS—80

Days to Ship **Quotation**

Price **Quotation**

Application

- For lubrication of guide units of punch die and forming die.
- For lubrication of mechanical sliding part.

Features

- It is a polyurea EP grease composed of molybdenum, EP additive, polymer, antioxidant and antirust agent, which uses polyurea EP thickener and refined mineral oil having good thermal stability as its base oil.
- It has superior oxidation stability, water-proof performance, adhesiveness, heat resistance, mechanical stability, and particularly excellent extreme pressure (EP) property due to specially added molybdenum.
- Because special polymer is added, it is highly adhesive, waterproof and retentive so that it can be applied to where grease dips easily (such as vertical sliding surface).

Precautions for use

- Inflammation may occur if it enters eyes, be sure to wear goggles when it is used.
- Skin contact may cause inflammation, be sure to wear protective gloves when it is used.
- Be sure to wear protective gloves in order to prevent hands from being hurt by container falling-down.

Be sure to read above-mentioned precautions before use.