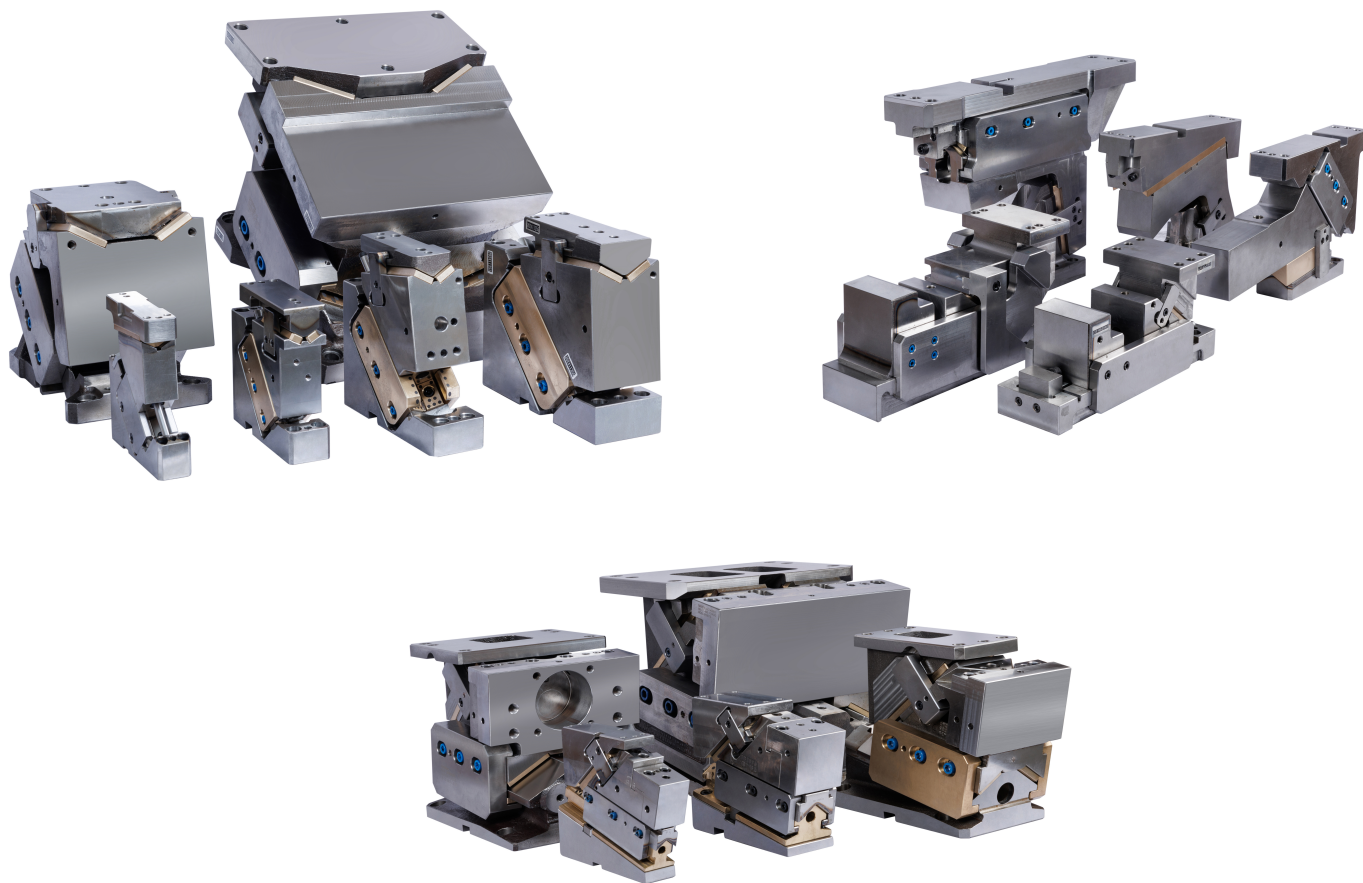




斜楔机构目录

V1.0 20250820



嘉兴迈特尔宝欣机械有限公司
JIAXING NYC INDUSTRIAL CO., LTD.

中国滑动轴承标准化发起委员单位之一



嘉兴迈特尔宝欣机械工业有限公司（NYC）是2003年成立的中欧合资企业。股东双方分别是奥地利钢铁联合集团（奥钢联）和嘉善百纳商贸有限公司。

我们致力于--生产销售各类标准的冲压模具导向件，斜楔机构，热成型模具镶块，氮气弹簧，及其他各类FA工厂自动化定制精密部件，并逐步形成产业化优势和必要的差异化特色。

经十数年的不懈努力、坚持专注，与行业内几近所有国际知名品牌建立了稳定的合作关系，培育了良好的知名度和美誉度。同时，先后获得“中国重点骨干模具企业”，“国家高新技术企业”等荣誉称号。

NYC具备完善的销售、技术研发、生产、供应链管理、质量和售后服务体系。

在我们贯彻“追求卓越”和“领先一步”的理念下，立足于中国，服务予世界。

JIAXING NYC INDUSTRIAL CO., LTD is a sino-european joint venture established in 2003. The shareholders are Voestalpine and Jiashan Baina Commercial & Trade Co. , Ltd.

We are committed to research & produce all kinds of standard stamping Guide Elements, Cam Units, Die Units for Hot Forming, Gas springs and other various customized precision components for FA Factory Automation, and gradually form the industrialization advantages and necessary differentiation features.

After decades of unremitting efforts and persistent concentration, NYC has established stable cooperative relations with almost all international famous brands in this field. At the same time, we have won the “China Key Backbone Mold Enterprises”, “National High- Tech Enterprises” and other honorary titles.

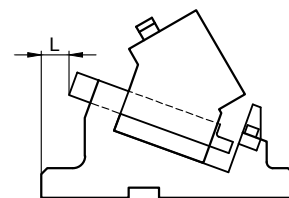
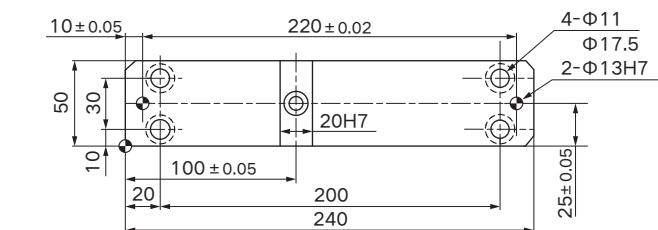
NYC has its perfect sales, technical research and development, production, supply chain management, quality and after-sales service system.

We carry out the concept of “pursuit of excellence” and “one step ahead”, based in China, to serve the world.

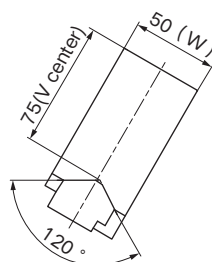
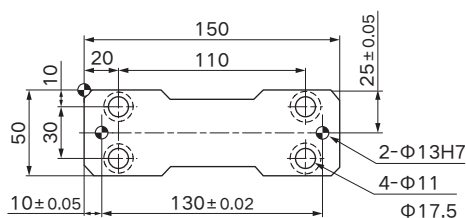
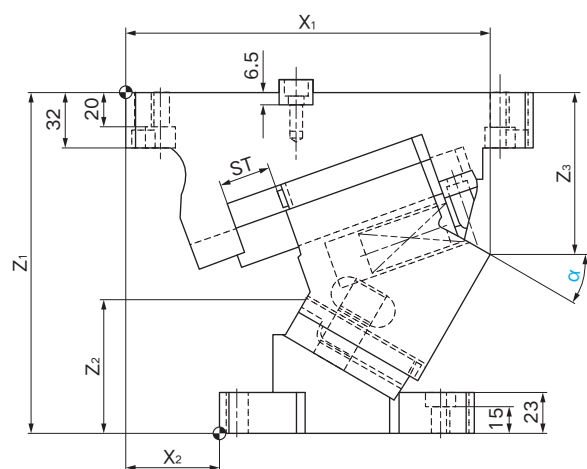
NUCMSC50

斜楔结构图

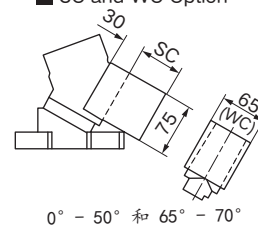
Diagram of Cam Structure



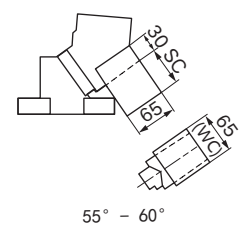
后方取出空间示意图 (α=20°)



■ SC and WC Option



0° - 50° 和 65° - 70°



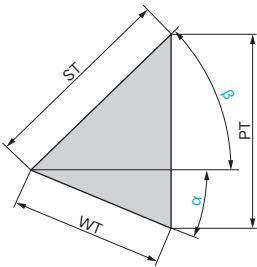
55° - 60°

斜楔结构表

Table of Cam Structure

Angle. (α)	W	X1	X2	Z1	Z2	Z3	L	Weight (/ kg)
00	50	225.00	107	200	45.0	77.50	-47	12.7
05	50	226.91	100	200	51.4	78.33	-40	12.3
10	50	223.72	90	200	57.6	79.93	-29	11.8
15	50	224.36	85	200	63.6	82.29	-37	11.8
20	50	220.76	70	200	69.1	85.39	-30	11.5
25	50	215.85	58	200	74.4	89.22	-23	11.3
30	50	213.58	55	200	78.2	94.73	-20	11.1
35	50	204.89	35	200	85.5	96.90	-11	10.9
40	50	206.72	30	200	89.4	102.69	-15	10.9
45	50	202.01	20	200	98.7	103.06	-14	10.6
50	50	195.73	10	200	105.5	105.94	-13	10.6
55	50	189.83	0	200	104.8	116.30	-7	10.8
60	50	179.27	-15	200	105.5	125.08	3	11.2
65	50	176.61	-32	200	106.5	126.87	3	11.6
70	50	177.00	-38	200	107.0	135.83	3	12.0

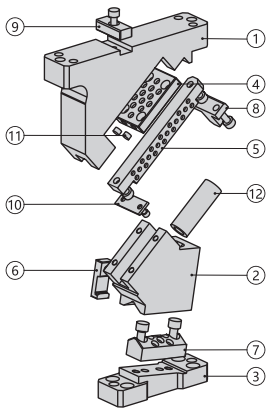
斜楔行程图
Diagram of Cam Travel



α	β	WT	ST	PT
0	50	30.2	47	36
5	45	30.5	43	33.1
10	40	30.3	39	30.3
15	35	30.5	36	28.6
20	30	30.4	33	26.9
25	25	30.0	30	25.4
30	20	32.6		26.5
35	15	35.4		28.1
40	10	38.6		30.0
45	5	42.3		32.5
50	0	46.7		35.8
55	-5	52.1		40.1
60	-10	59.1	25	46.0
65		58.3		48.5
70		57.6		50.6

斜楔受力表
Table of Cam Force

规格 Type	α	型号 Model	弹簧力 Spring Force (N/kgf)		加工力 (KN/tonf) Work Force	
			初压 Initial Load	终压 Final Load	标准加工力 (100 万回) Standard Working Force	允许加工力 (30 万回) Allowable Working Force
螺旋弹簧 Coil Spring	00 °	TL27-125	58.8/6.0	980.0/100.0	19.6/2.0	39.2/4.0
	05 °		137.2/22.0			
	10 °		215.6/22.0			
	15 °	TL27 100	98.0/10.0			
	20 °		171.5/17.5			
	25 ° ~60 °	TL27-90	163.8/16.7	981.0/100.1		
	65 °		299. 8/30. 6	981.0/100.1		
	70 °	TL27-65	226.8/23.1	982.8/100.1		



代号 No.	名称 Description	数量 Qty	材料及备注 Material and Remark
①	底座 Cam Holder	1	QT500
②	滑块 Cam Slider	1	QT500
③	驱动块 Cam Driver	1	HT300
④	导板 Guide Block	1	铜合金 + 石墨
⑤	导杆 Guide Rod	1	45+ 石墨
⑥	刚性返回器 Positive Return Follower	1	45
⑦	V 型导板 Cam Slide Guide	1	铜合金 + 石墨
⑧	弹簧挡块 Spring Block	1	45
⑨	定位键 Key	1	45
⑩	安全盖板 Safety Plate	1	20 钢
⑪	缓冲块 Urethane Stopper	2	聚氨酯
⑫	弹簧 Spring	1	规格 Type

订购编号 Order Number

 订购
Order

Catalog No.

NUCMSC

(W)

50

(α)

- 30

选择 Option

NUCMSC

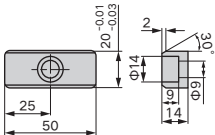
50 - 30 - SC20-WC



选择
Option

追加编号 Option Code	拓展 Envelope
SC	安装面可以加长 10-60mm(指定 10mm 单位)The mount surface is extended forward in the range of 10 to 60 mm (in increments of 10 mm)
WC	安装面可以加宽至 65mm The mount width is changed to 65.
N12	底座和驱动块的销孔可改为 $\Phi 12H7$ The dowel pin holes for the cam holder and cam driver are change to $\Phi 12H7$.
NK	底座和驱动块不配键 The cam holder and cam driver without key

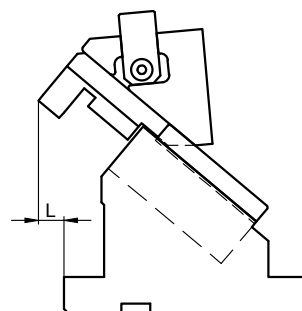
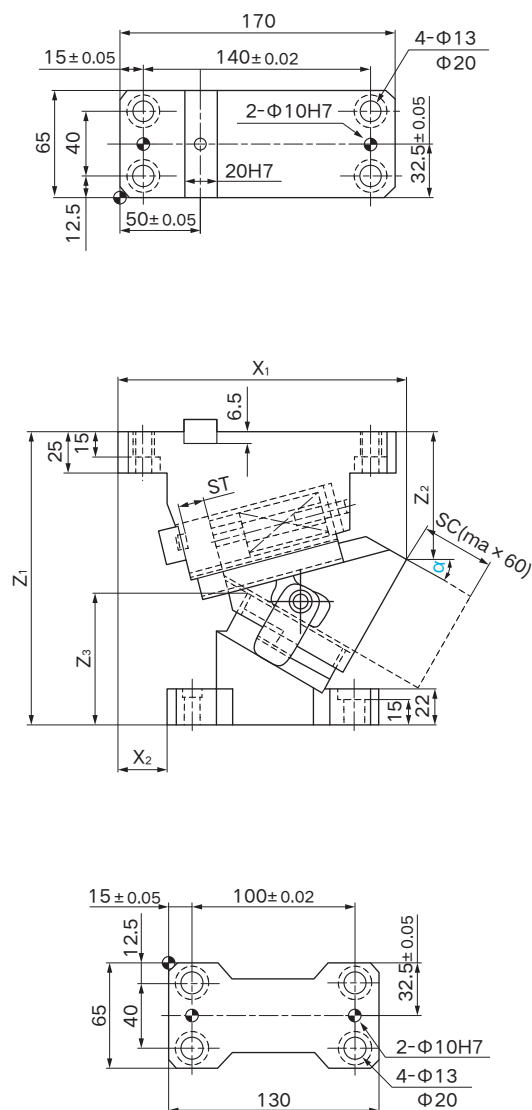
键详图
Key specification



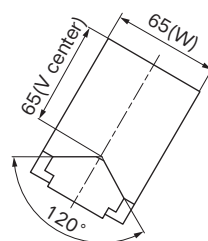
NUCMSC65

斜楔结构图

Diagram of Cam Structure



后方取出空间示意图 ($\alpha=5^\circ$)

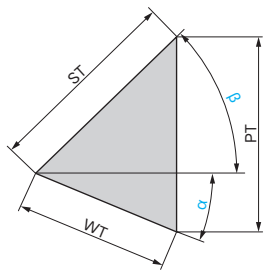


斜楔结构表

Table of Cam Structure

Angle (α)	W	X1	X2	Z1	Z2	Z3	L	Weight (/ kg)
00	65	170.00	60.0	180	53.00	59.5	7	9.5
05	65	171.41	55.0	180	60.27	59.0	13	9.3
10	65	177.20	55.0	180	63.06	63.5	20	9.0
15	65	177.20	50.0	180	66.33	67.9	25	8.8
20	65	176.51	40.0	180	70.01	72.2	30	8.6
25	65	172.94	35.0	180	75.64	74.9	30	8.5
30	65	177.78	30.0	180	78.32	80.7	31	8.3
35	65	173.29	20.0	180	83.25	84.5	31	8.3
40	65	170.78	10.0	180	82.44	96.0	35	8.1
45	65	165.50	2.5	180	86.51	100.9	35	8.1
50	65	165.41	-5.0	190	96.79	111.1	37	8.4
55	65	159.51	-10.0	190	99.89	115.3	42	8.4
60	65	156.68	-20.0	210	120.78	129.1	46	9.3
65	65	150.33	-25.0	210	122.80	129.4	52	9.3
70	65	146.45	-32.0	210	131.68	128.5	55	9.5

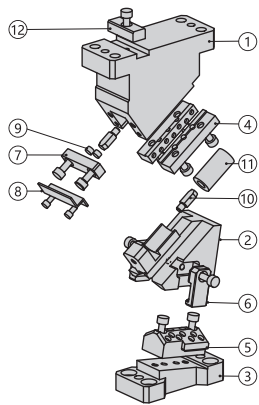
斜楔行程图
Diagram of Cam Travel



α	β	WT	ST	PT
0	45	15.0	21.2	15.0
5	40	15.1	19.6	13.9
10	35	15.2	18.3	13.1
15	30	15.5	17.3	12.7
20	25	16.5	17.1	12.9
25		17.1		14.5
30	15	18.5	16.6	13.6
35		19.6		15.5
40	5	21.5	16.5	15.2
45		23.3		17.9
50	-5	26.5	17.1	18.8
55		29.7		22.8
60	-15	35.0	18.1	25.6
65		41.4		32.8
70		51.1		43.4

斜楔受力表
Table of Cam Force

规格 Type	α	型号 Model	弹簧力 Spring Force (N/kgf)		加工力 (KN/tonf) Work Force	
			初压 Initial Load	终压 Final Load	标准加工力 (100 万回) Standard Working Force	允许加工力 (30 万回) Allowable Working Force
螺旋弹簧 Coil Spring	00 °	TM25-90	288.3/29.4	1187.2/121.0	19.6/2.0	39.2/4.0
	05 °		356.2/36.3	1187.2/121.0		
	10 °	TM25-80	348.2/35.5	1221.1/124.4		
	15 °		395.9/40.3			
	20 ° ~ 25 °		405.5/41.3			
	30 ° ~ 35 °		429.3/43.7			
	40 ° ~ 45 °		434.1/44.2			
	50 ° ~ 55 °		405.5/41.3			
	60 ° ~ 70 °		357.8/36.5			



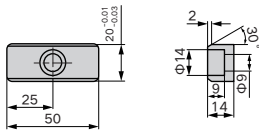
代号 No.	名称 Description	数量 Qty	材料及备注 Material and Remark
①	底座 Cam Holder	1	QT500
②	滑块 Cam Slider	1	QT500
③	驱动块 Cam Driver	1	HT300
④	导板 Guide Block	2	铜合金 + 石墨
⑤	V 型导板 Cam Slide Guide	1	铜合金 + 石墨
⑥	刚性返回器 Positive Return Follower	2	45
⑦	止动块 Stopping Block	1	45
⑧	安全盖板 Safety Plate	1	45
⑨	缓冲块 Urethane Stopper	1	聚氨酯
⑩	弹簧销 Spring Guide Pin	1	45
⑪	弹簧 Spring	1	规格 Type
⑫	键 Key	1	45

订购编号 Order Number

订购 Order
Catalog No. (W) - (α) - 选择 Option
NUCMSC 65 - 30
NUCMSC 65 - 30 - SC20

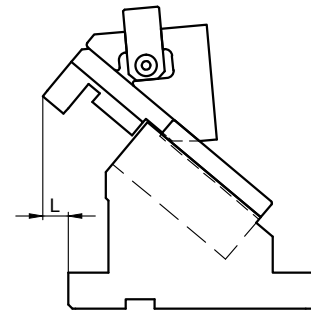
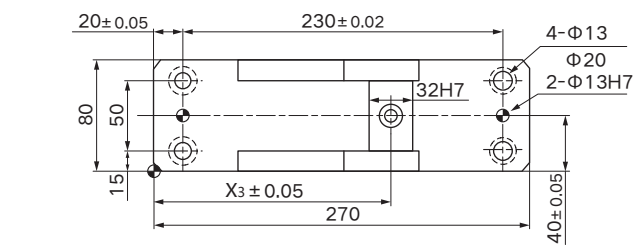
选择 Option	追加编号 Option Code	拓展 Envelope
SC		安装面可以加长 10-60mm(指定 10mm 单位) The mount surface is extended forward in the range of 10 to 60 mm (in increments of 10 mm)
NK		底座和驱动块不配键 The cam holder and cam driver without key

键详图
Key specification

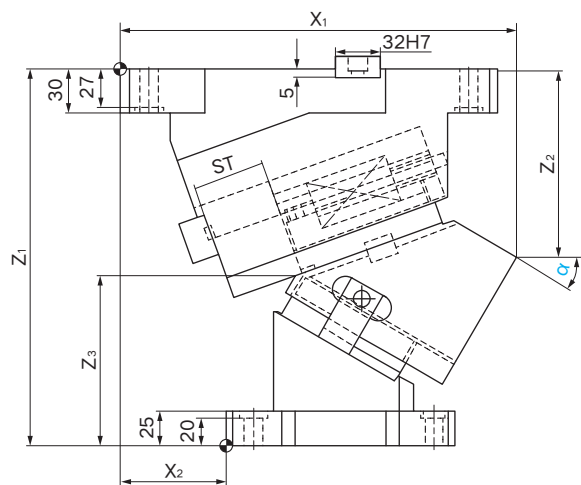


NUCMS80
NUCMSF80

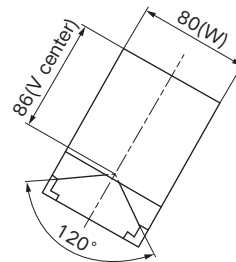
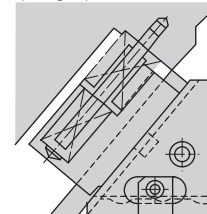
斜楔结构图
Diagram of Cam Structure



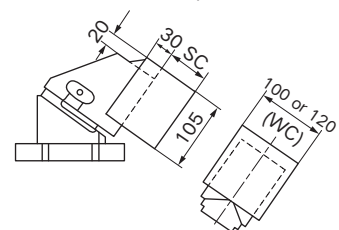
后方取出空间示意图 (α=5°)



■ NUCMSF80 弹簧详解图
spring Specification for NUCMSF80



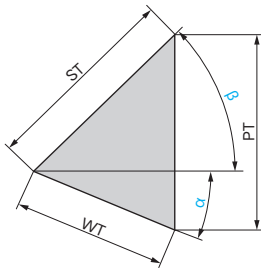
■ SC and WC Option



斜楔结构表
Table of Cam Structure

Angle. (α)	W	X1	X2	X3	Z1	Z2	Z3	L	WEIGHT (/ kg)
00	80	260.00	100	130	270	99.00	83.0	12	25.9
05	80	272.93	100	150	270	109.00	83.8	17	26.3
10	80	279.92	100	150	270	120.43	84.6	17	26.6
15	80	285.93	100	150	270	132.04	85.3	17	25.1
20	80	285.90	90	170	270	129.12	100.9	27	25.3
25	80	289.80	90	170	270	141.60	101.5	27	25.3
30	80	282.59	75	170	270	134.36	121.9	36	23.2
35	80	284.27	75	170	270	147.32	122.3	36	23.4
40	80	274.80	60	170	270	140.38	142.6	45	22.4
45	80	274.20	60	170	270	153.44	142.7	45	22.4
50	80	262.46	35	170	270	151.39	157.8	57	21.6
55	80	259.60	35	170	270	164.14	157.8	56	21.7
60	80	240.64	0	170	270	176.59	157.7	75	23.2
65	80	235.61	-5	170	270	188.65	157.4	74	23.7
70	80	227.83	-10	170	270	195.53	157.1	75	23.9

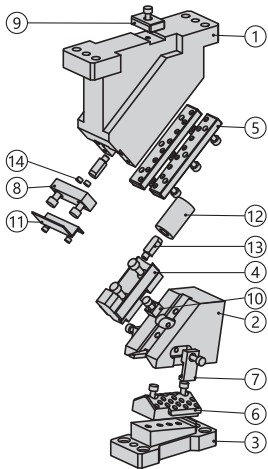
斜楔行程图
Diagram of Cam Travel



α	β	WT	ST	PT
0	50	32.1		38.3
5	40	38.4		35.5
10		38.9		38.9
15		39.7		42.4
20	30	46.1		40.8
25		47.8		45.2
30	20	54.3	50	44.2
35		57.4		50.0
40	10	64.3		50.0
45		69.6		57.9
50	0	77.8		59.6
55		87.2		71.4
60	-10	98.5		76.6
65		81.6	35	67.8
70		86.4	30	76

斜楔受力表
Table of Cam Force

代号 Catalog No	规格 Type	α	型号 Model	弹簧力 Spring Force (N/kgf)		加工力 (KN/tonf) Work Force	
				初压 Initial Load	终压 Rnal Load	标准加工力 (100 万回) Standard Working Force	允许加工力 (30 万回) Allowable Working Force
NUCMSC80	螺旋弹簧 Coil Spring	0 ° ~ 60 °	TL35-150	270.6/27.6	1623.6/165.7	39.2/4.0	78.4/8.0
		65 °	TL35-125	324.7/33.1	1461.2/149.1		
		70 °	TL35-100	405.8/41.4	1623.2/165.6		
NUCMSF80		0 ° ~ 60 °	TF25-100 TH35-60	127.4/13.0	3250.0/331.4	54.9/5.6	109.8/11.2
		65 °	TF25-80 TH35-60	98.0/10.0			
		70 °	TF25-80 TH35-60	159.3/16.3			



代号 No.	名称 Description	数量 Qty	材料及备注 Material and Remark
①	底座 Cam Holder	1	QT500
②	滑块 Cam Slider	1	QT500
③	驱动块 Cam Driver	1	HT300
④	悬挂臂 Suspension Arm	1	QT500
⑤	导板 Guide Block	2	铜合金 + 石墨
⑥	V 型导板 Cam Slide Guide	1	铜合金 + 石墨
⑦	刚性返回器 Positive Return Follower	2	45
⑧	止动块 Stopping Block	1	45
⑨	定位键 Key	1	45
⑩	定位键 Key	1	45
⑪	安全盖板 Safety Plate	1	2mm 钢板
⑫	弹簧 Coil Spring	1	规格 Type
⑬	弹簧定位销 Spring Pin	2	45
⑭	缓冲块 Urethane Stopper	2	聚氨酯

订购编号 Order Number

 订购
Order

Catalog No.

(W)

(α)

选择 Option

NUCMSC

80 - 30

NUCMSF

80 - 30

NUCMSC

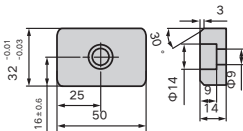
80 - 30 - SC20-WC100

NUCMSF

80 - 30 - SC20-WC100

选择 Option	追加编号 Option Code	拓展 Envelope
	SC	安装面可以加长 10-60mm(指定 10mm 单位)The mount surface is extended forward in the range of 10 to 60 mm (in increments of 10 mm)
	WC	安装面可以加宽至 100 或 120mm The mount width is changed to 100 or 120.
	N16	底座和驱动块的销孔可改为 $\Phi 16H7$ The dowel pin holes for the cam holder and cam driver are chanae to $\Phi 16H7$.
	NK	底座和驱动块不配键。 The cam holder and cam driver without key.

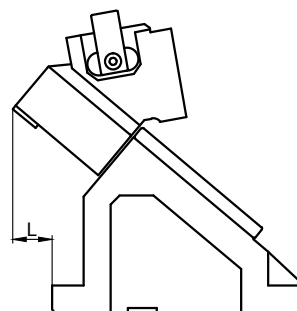
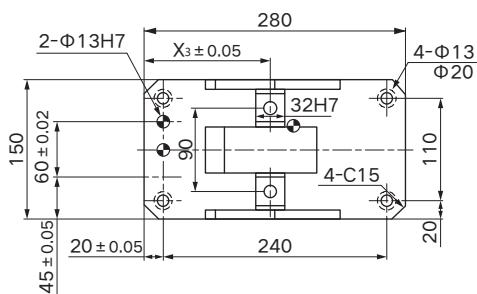
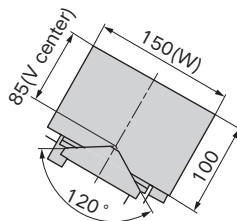
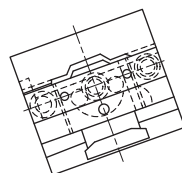
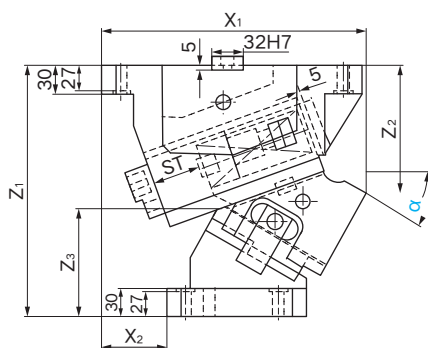
键详图
Key specification



NUCMS0150
NUCMSF150

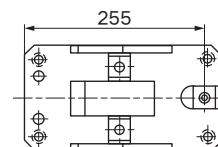
斜楔结构图

Diagram of Cam Structure

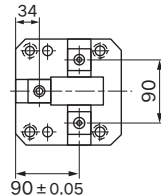
后方取出空间示意图($\alpha=15^\circ$)

■ TK Option

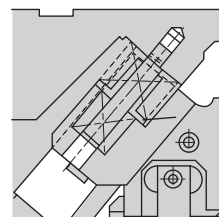
cam holder



cam driver



■ NUCMSF150弹簧详图

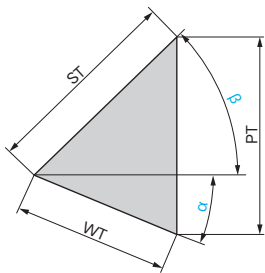
Spring Specification
for NUCMSF150

斜楔结构表

Table of Cam Structure

Angle (α)	W	X1	X2	X3	Z1	Z2	Z3	L	Weight (/ kg)
00	150	280.00	120	100	270	85.00	94.0	20	45.4
05	150	288.26	115	100	270	95.84	94.0	20	45.9
10	150	285.54	105	100	270	102.36	98.9	41	44.4
15	150	291.79	105	100	270	114.47	98.7	41	44.9
20	150	286.97	90	135	270	122.07	103.5	57	43.2
25	150	291.02	90	135	270	135.08	103.2	57	43.7
30	150	283.92	70	135	270	138.40	112.8	69	42.2
35	150	285.66	70	135	270	151.91	112.4	69	42.7
40	150	276.20	45	170	270	155.53	121.9	75	41.0
45	150	275.56	45	170	270	169.14	121.4	75	41.4
50	150	263.74	25	170	270	167.65	137.0	75	40.5
55	150	260.74	25	170	270	180.94	137.6	77	40.9
60	150	246.60	0	170	270	193.92	138.2	100	41.5
65	150	241.35	0	170	270	206.49	138.6	104	42.2
70	150	240.01	-5	170	270	218.56	141.9	102	43.5

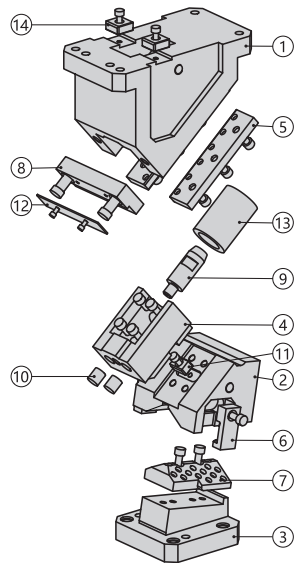
斜楔行程图
Diagram of Cam Travel



斜楔受力表
Table of Cam Force

代号 Catalog No	规格 Type	α	型号 Model	弹簧力 Spring Force (N/kgf)		加工力 (KN/tonf) Work Force	
				初压 Initial Load	终压 Rnal Load	标准加工力 (100 万回) Standard Working Force	允许加工力 (30 万回) Allowable Working Force
NUCMSC150	螺旋弹簧 Coil Spring	00 ° ~ 70 °	TL60-150	635.2/64.8	4605.2/469.8	88.2/9.0	132.3/13.5
NUCMSF150		00 ° ~ 60 °	TF40-90 TH60-60	222.8/22.7	9540.0/973.4	123.5/12.6	185.2/18.9
		65 °		501.3/51.2			
		70 °		779.8/79.6			

α	β	WT	ST	PT
0	50	32.1		38.3
5		32.3		41.1
10	40	38.9		38.9
15		39.7		42.4
20	30	46.1		40.8
25		47.8		45.2
30	20	54.3	50	44.2
35		57.4		50.0
40	10	64.3		50.0
45		69.6		57.9
50	0	77.8		59.6
55		87.2		71.4
60	-10	98.5	40	76.6
65		93.2		77.5
70		86.4	30	76.0



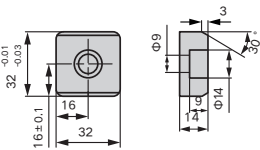
代号 No.	名称 Description	数量 Qty	材料及备注 Material and Remark
①	底座 Cam Holder	1	HT300
②	滑块 Cam Slider	1	HT300
③	驱动块 Cam Driver	1	HT300
④	悬挂臂 Suspension Arm	1	QT500+ 石墨
⑤	导板 Guide Block	2	铜合金 + 石墨
⑥	刚性返回器 Positive Return Follower	2	45
⑦	V 型导板 Cam Slide Guide	1	铜合金 + 石墨
⑧	止动块 Stopping Block	1	45
⑨	弹簧定位销 Spring Pin	1	45
⑩	缓冲块 Urethane Stopper	2	聚氨酯
⑪	定位键 Key	1	45
⑫	安全盖板 Safety Plate	1	2mm厚钢板
⑬	弹簧 Spring	1	规格 Type
⑭	键 Key	2	45

订购编号 Order Number

订购 Order	Catalog No.	(W)	(α)	选择 Option
	NUCMSC	150	- 30	
	NUCMSF	150	- 30	
	NUCMSC	150	- 30	- TK
	NUCMSF	150	- 30	- TK

选择 Option	追加编号 Option Code	拓展 Envelope
	TK	驱动块和底座 (T 形) 附带键 Dedicated key is attached for cam holder (T-shaped) and cam driver.
	N16	底座和驱动块销孔改为 $\Phi 16H7$ The dowel pin holes for the cam holder and cam driver are change to $\Phi 16H7$.
	NK	底座和驱动块不配键。 The cam holder and cam driver without key.

键详图
Key specification





CAM Technology

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