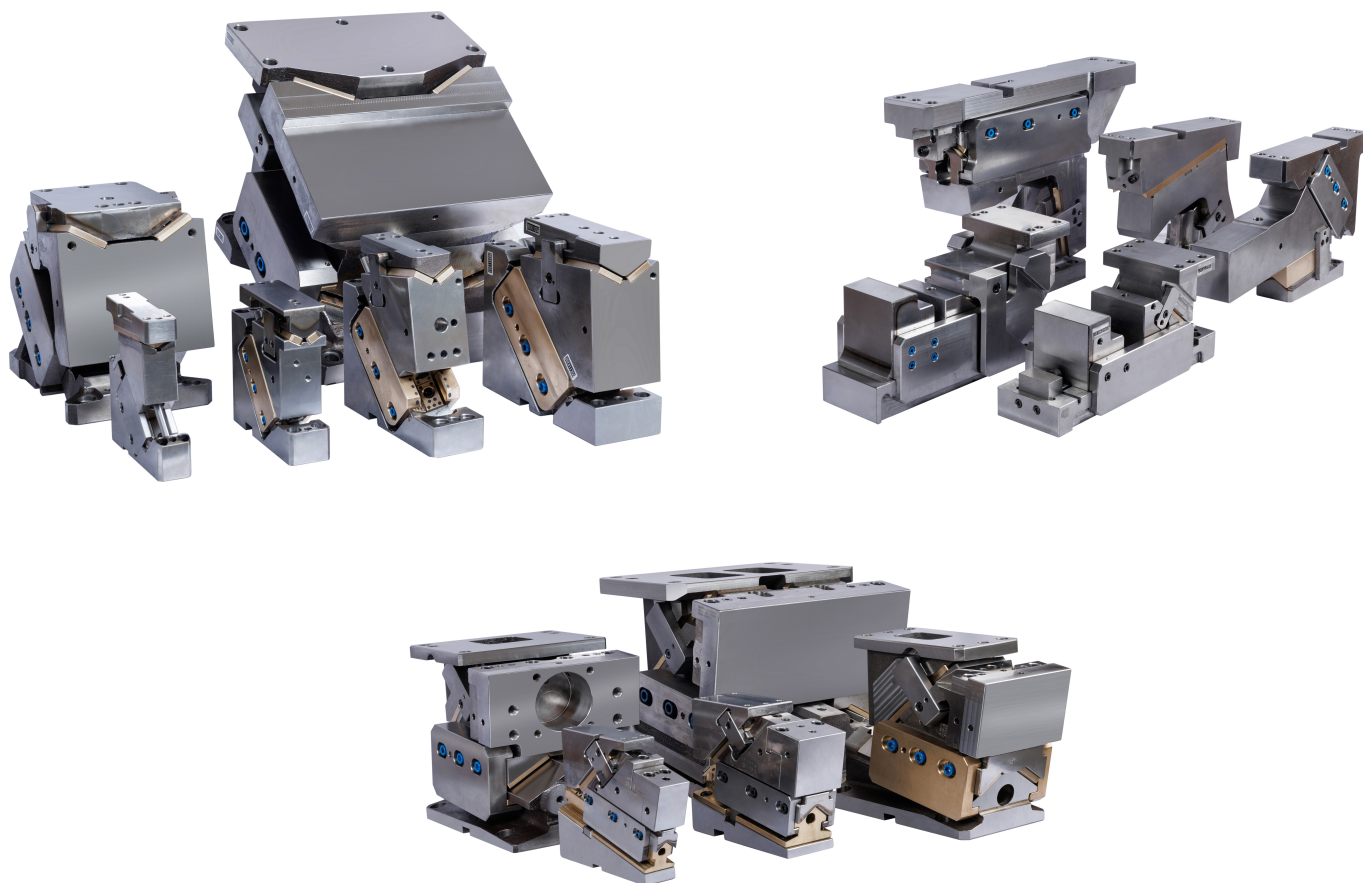




斜楔机构目录

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.

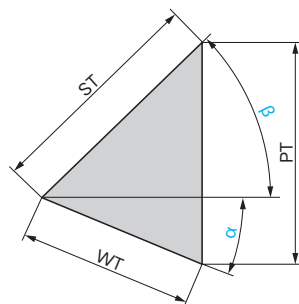
NYC has its perfect sales, technical research and development, production, supply chain management, quality and after-sales service system.

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

ANGLE α .	W (/ mm)	X1 (/ mm)	X2 (/ mm)	Z1 (/ mm)	Z2 (/ mm)	Z3 (/ mm)	L (/ mm)	WEIGHT (/ kg)
00	200	313.00	138	350	58.00	102.0	47	95.0
05	200	320.64	125	350	64.34	110.8	61	94.8
10	200	331.08	115	350	72.47	119.1	70	94.6
15	200	336.17	100	350	82.37	126.8	80	93.3
20	200	340.76	85	350	94.00	133.9	88	92.7
25	200	344.72	70	350	102.33	145.2	91	94.1
30	200	347.83	55	350	112.25	155.7	103	92.7
35	200	355.03	45	350	123.73	165.3	93	94.8
40	200	351.17	25	350	136.66	173.9	116	94.2
45	200	356.12	15	350	150.95	181.4	97	96.3
50	200	348.77	-6	350	161.49	192.8	126	93.7
55	200	352.01	-15	350	178.16	198.0	103	98.2
60	200	332.75	-45	350	195.83	202.1	152	97.3

斜楔行程图

Diagram of Cam Travel

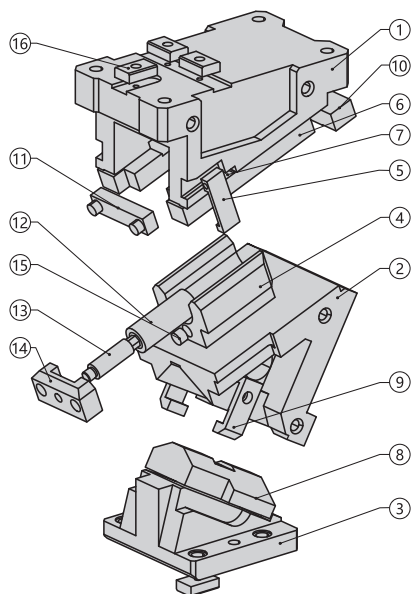


α	β	WT	ST	PT
0	50	38.6	60	45.9
5	45	42.6	60	46.1
10	40	46.7	60	46.7
15	35	50.9	60	47.6
20	30	55.3	60	48.9
25	25	60.0	60	50.7
30	20	65.1	60	53.0
35	15	70.75	60	56.1
40	10	77.1	60	60.0
45	5	84.5	60	65.0
50	0	93.3	60	71.5
55	0	104.6	60	85.7
60	0	120	60	103.9

斜楔受力表

Table of Cam Force

规格 Type	α	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 TM50-225	00 ° ~ 60 °	817.2/83.3	4903.2/499.7	117.6/12.0W	235.2/24.0
氮气弹簧 GD L750.075 GK K750-080	00 ° ~ 60 °		66894/682.6 6655.0/679.1	117.6/12.0W	235.2/24.0



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	QT450+ 石墨
⑤	安全挂钩 Safety Hook	2	45
⑥	导板 Guide Block	2	烧结铜
⑦	定位键 Key	2	45
⑧	V 型导板 Cam Slide Guide	1	烧结铜
⑨	刚性返回器 Positive Return Follower	2	45
⑩	导板 Guide Block	1	烧结铜
⑪	止动块 Stopping Block	1	45
⑫	弹簧 Spring	1	Table of Cam Force
⑬	弹簧定位销 Spring Pin	1	45
⑭	弹簧固定板 Spring Fixed Plate	1	45
⑮	缓冲块 Urethane Stopper	1	聚氨酯
⑯	定位键 Key	4	45

订购编号 Order Number



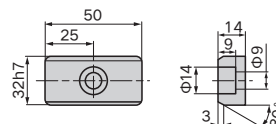
订购
Order

Catalog No. (W) - (α) - 选择 Option

NSU_{WB} 200 - 30

NSUWB 200 - 30 - N

键详图 Key specification



选择
Option

追加编号 Option Code	拓展 Envelope
K	驱动块附带键 A key for driver is attached
N	底座追加加工 Φ16H7 销孔 Φ16H7 dowel pin hole is additionally drilled on the cam holder.
FK	键安装位置前移 Move the key position forward.

Diagram of Cam Structure

A schematic diagram of a mechanical assembly. It shows a base with a vertical plate and a horizontal plate. A rod is attached to the horizontal plate and extends to the right. A dimension line labeled 'L' indicates the length of the rod from its attachment point to its end.

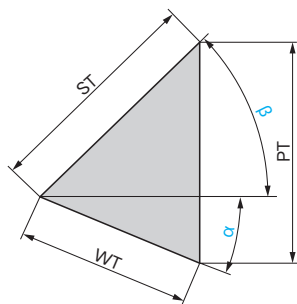
后方取出空间示意图

Table of Cam Structure

ANGLE α	W (/ mm)	X1 (/ mm)	X2 (/ mm)	Z1 (/ mm)	Z2 (/ mm)	Z3 (/ mm)	L (/ mm)	WEIGHT (/ kg)
00	300	313.00	138	350	58.00	102.0	47	137.2
05	300	320.64	125	350	64.34	110.8	61	135.9
10	300	331.08	115	350	72.47	119.1	70	135.7
15	300	336.17	100	350	82.37	126.8	80	133.0
20	300	340.76	85	350	94.00	133.9	88	131.5
25	300	344.72	70	350	102.33	145.2	91	131.0
30	300	347.83	55	350	112.25	155.7	103	131.0
35	300	355.03	45	350	123.73	165.3	93	131.8
40	300	351.17	25	350	136.66	173.9	116	133.3
45	300	356.12	15	350	150.95	181.4	97	134.8
50	300	348.77	-6	350	161.49	192.8	126	130.9
55	300	352.01	-15	350	178.16	198.0	103	133.0
60	300	332.75	-45	350	195.83	202.1	152	136.1

斜楔行程图

Diagram of Cam Travel

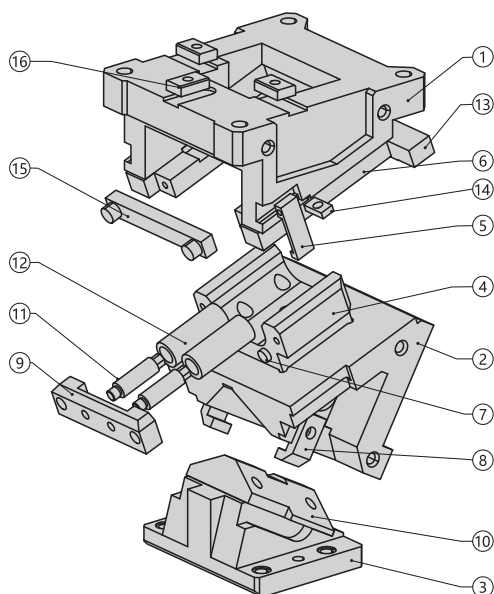


α	β	WT	ST	PT
0	50	38.6	60	45.9
5	45	42.6	60	46.1
10	40	46.7	60	46.7
15	35	50.9	60	47.6
20	30	55.3	60	48.9
25	25	60.0	60	50.7
30	20	65.1	60	53.0
35	15	70.75	60	56.1
40	10	77.1	60	60.0
45	5	84.5	60	65.0
50	0	93.3	60	71.5
55	0	104.6	60	85.7
60	0	120	60	103.9

斜楔受力表

Table of Cam Force

规格 Type	α	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 TM50-225	00° ~ 60°	1634.4/166.6	9806.4/999.4	196.0/20.0	392.0/40.0
氮气弹簧 GK K750-080 GD L750.075	00° ~ 60°		13378.8/1365.2 13310/1358.2	196.0/20.0	392.0/40.0



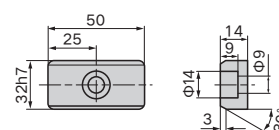
代号 No.	名称 Description	数量 Qty	材料及备注 Material and Remark
①	底座 Cam Holder	1	HT300
②	滑块 Cam Slider	1	HT300
③	驱动块 Cam Driver	1	HT300
④	悬挂臂 Suspension Arm	1	QT450+ 石墨
⑤	安全挂钩 Safety Hook	2	45
⑥	导板 Guide Block	2	烧结铜
⑦	缓冲块 Urethane Stopper	2	聚氨酯
⑧	刚性返回器 Positive Return Follower	2	45
⑨	弹簧固定板 Spring Fixed Plate	1	45
⑩	V 型导板 Cam Slide Guide	1	烧结铜
⑪	弹簧定位销 Spring Pin	2	45
⑫	弹簧 Spring	2	TABEL OF CAM FORCE
⑬	导板 Guide Block	1	烧结铜
⑭	定位键 Key	2	45
⑮	止动块 Stopping Block	1	45
⑯	定位键 Key	4	45

订购编号 Order Number

 订购 Order
 Catalog No. (W) - (α) - 选择 Option
 NSUWB 300 - 30
 NSUWB 300 - 30 - N

选择 Option	追加编号 Option Code	拓展 Envelope
K		驱动块附带键 A key for driver is attached
N		底座追加加工 $\Phi 16H7$ 销孔 $\Phi 16H7$ dowel pin hole is additionally drilled on the cam holder.
FK		键安装位置前移 Move the key position forward.

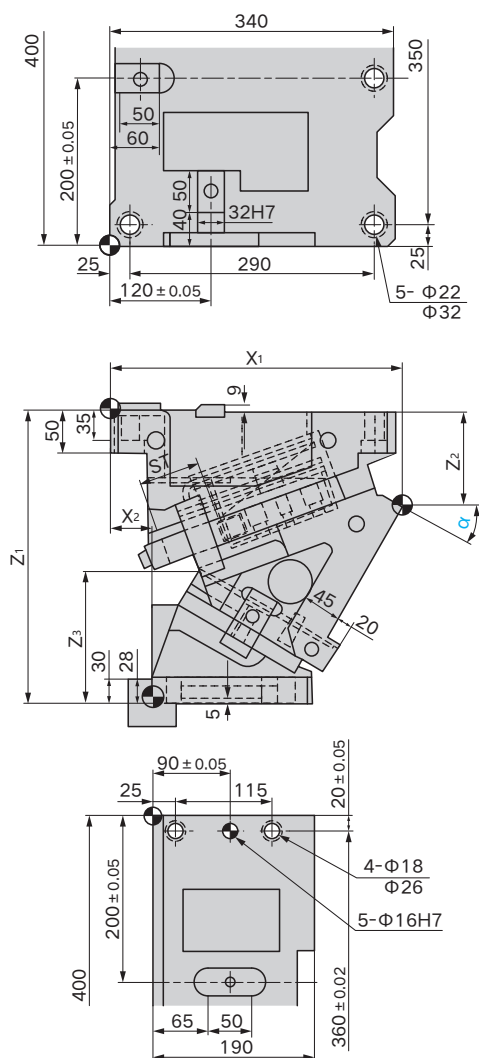
键详图 Key specification



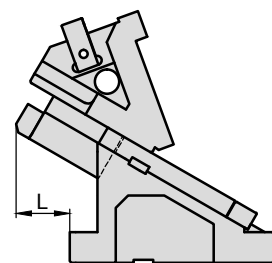
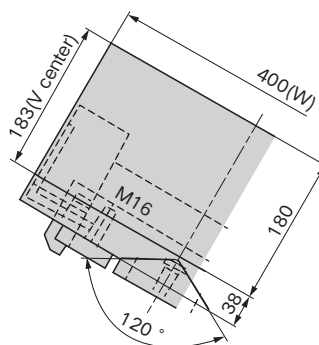
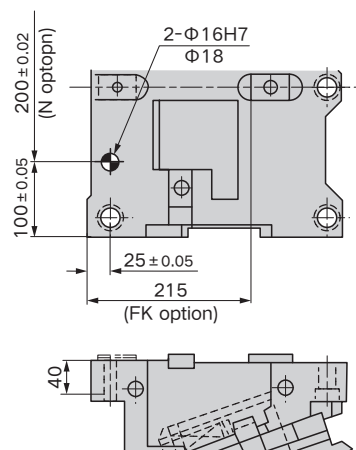
NSUWB400

斜楔结构图

Diagram of Cam Structure



■ 选择零件N和FK
Option part of N and FK



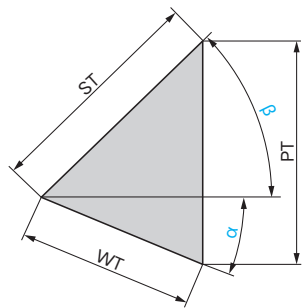
后方取出空间示意图

斜楔结构表

Table of Cam Structure

ANGLE α	W (/ mm)	X1 (/ mm)	X2 (/ mm)	Z1 (/ mm)	Z2 (/ mm)	Z3 (/ mm)	L (/ mm)	WEIGHT (/ kg)
00	400	313.00	138	350	58.00	102.0	47	191.1
05	400	320.64	125	350	64.34	110.8	61	189.3
10	400	331.08	115	350	72.47	119.1	70	188.0
15	400	336.17	100	350	82.37	126.8	80	186.1
20	400	340.76	85	350	94.00	133.9	88	185.3
25	400	344.72	70	350	102.33	145.2	91	188.1
30	400	347.83	55	350	112.25	155.7	103	185.8
35	400	355.03	45	350	123.73	165.3	93	192.4
40	400	351.17	25	350	136.66	173.9	116	191.9
45	400	356.12	15	350	150.95	181.4	97	195.9
50	400	348.77	-6	350	161.49	192.8	126	191.9
55	400	352.01	-15	350	178.16	198.0	103	198.5
60	400	332.75	-45	350	195.83	202.1	152	201.1

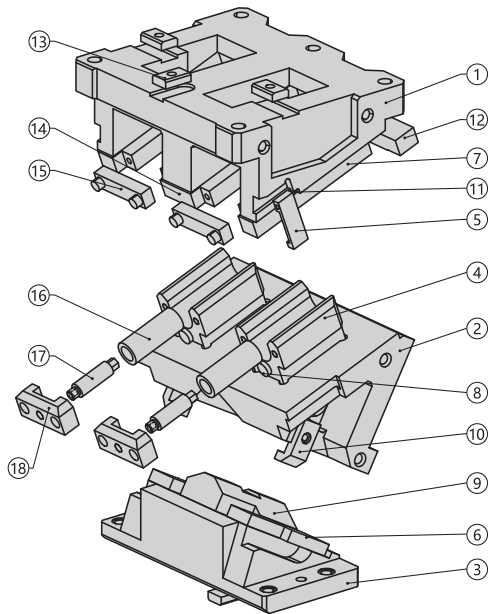
斜楔行程图
Diagram of Cam Travel



斜楔受力表
Table of Cam Force

α	β	WT	ST	PT
0	50	38.6	60	45.9
5	45	42.6	60	46.1
10	40	46.7	60	46.7
15	35	50.9	60	47.6
20	30	55.3	60	48.9
25	25	60.0	60	50.7
30	20	65.1	60	53.0
35	15	70.75	60	56.1
40	10	77.1	60	60.0
45	5	84.5	60	65.0
50	0	93.3	60	71.5
55	0	104.6	60	85.7
60	0	120	60	103.9

规格 Type	α	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 TM50-225	00° ~ 60°	1634.4/166.6	9806.4/999.4	245.0/25.0	490.0/50.0
氮气弹簧 GK K750-080 GD L750.075	00° ~ 60°		13378.8/1365.2 13310.0/1358.2	245.0/25.0	490.0/50.0



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 Suspension Arm	2	QT450+ 石墨
⑤	安全挂钩 Safety Hook	2	45
⑥	导板 Guide Block	2	烧结铜
⑦	导板 Guide Block	2	烧结铜
⑧	缓冲块 Urethane Stopper	2	聚氨酯
⑨	V 型导板 Cam Slide Guide	1	烧结铜
⑩	刚性返回器 Positive Return Follower	2	45
⑪	定位键 Key	2	45
⑫	导板 Guide Block	2	烧结铜
⑬	定位键 Key	4	45
⑭	导板 Guide Block	1	烧结铜
⑮	止动块 Stopping Block	2	45
⑯	弹簧 Spring	2	TABLE OF CAM FORCE
⑰	弹簧定位销 Spring Pin	2	45
⑱	弹簧固定板 Spring Fixed Plate	2	45

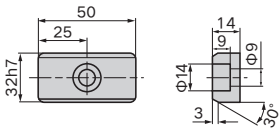
订购编号 Order Number

订购 Order Catalog No. (W) - (α) - 选择 Option

NSUWB 400 - 30

NSUWB 400 - 30 - N

键详图 Key specification



追加编号 Option Code	拓展 Envelope
K	驱动块附带键 A key for driver is attached
N	底座追加加工 $\Phi 16H7$ 销孔 $\Phi 16H7$ dowel pin hole is additionally drilled on the cam holder.
FK	键安装位置前移 Move the key position forward.

Diagram of Cam Structure

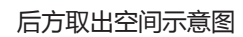
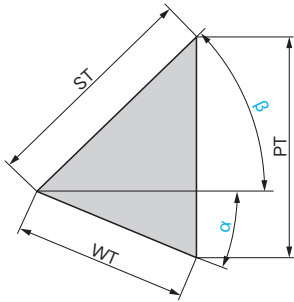


Table of Cam Structure

ANGLE α	W (/ mm)	X1 (/ mm)	X2 (/ mm)	Z1 (/ mm)	Z2 (/ mm)	Z3 (/ mm)	L (/ mm)	WEIGHT (/ kg)
00	500	313.00	138	350	58.00	102.0	47	222.3
05	500	320.64	125	350	64.34	110.8	61	220.4
10	500	331.08	115	350	72.47	119.1	70	218.8
15	500	336.17	100	350	82.37	126.8	80	216.3
20	500	340.76	85	350	94.00	133.9	88	215.1
25	500	344.72	70	350	102.33	145.2	91	217.1
30	500	347.83	55	350	112.25	155.7	103	216.1
35	500	355.03	45	350	123.73	165.3	93	222.1
40	500	351.17	25	350	136.66	173.9	116	220.4
45	500	356.12	15	350	150.95	181.4	97	223.0
50	500	348.77	-6	350	161.49	192.8	126	220.1
55	500	352.01	-15	350	178.16	198.0	103	227.2
60	500	332.75	-45	350	195.83	202.1	152	236.5

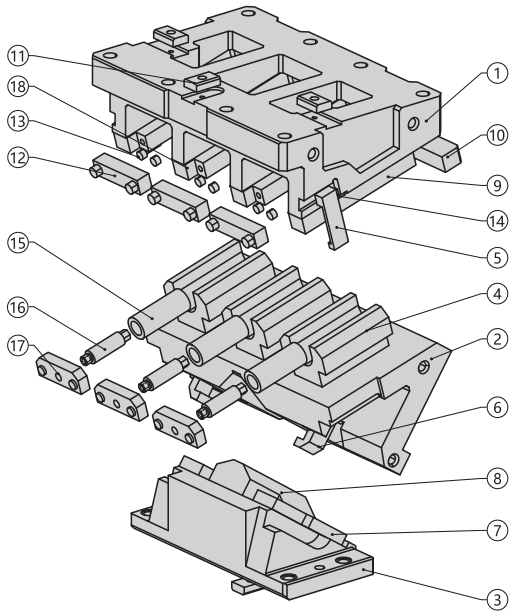
斜楔行程图
Diagram of Cam Travel



α	β	WT	ST	PT
0	50	38.6	60	45.9
5	45	42.6	60	46.1
10	40	46.7	60	46.7
15	35	50.9	60	47.6
20	30	55.3	60	48.9
25	25	60.0	60	50.7
30	20	65.1	60	53.0
35	15	70.75	60	56.1
40	10	77.1	60	60.0
45	5	84.5	60	65.0
50	0	93.3	60	71.5
55	0	104.6	60	85.7
60	0	120	60	103.9

斜楔受力表
Table of Cam Force

规格 Type	α	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 TM50-225	00° ~ 60°	2451.6/249.8	14709.6/1499.0	313.6/32.0	627.2/64.0
氮气弹簧 GK K750-080 GD L750.075	00° ~ 60°		20068.2/2047.8 19965.0/2037.2	313.6/32.0	627.2/64.0



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 Suspension Arm	3	QT450+ 石墨
⑤	安全挂钩 Safety Hook	2	45
⑥	刚性返回器 Positive Return Follower	2	45
⑦	导板 Guide Block	2	烧结铜
⑧	V 型导板 Cam Slide Guide	1	烧结铜
⑨	导板 Guide Block	1	烧结铜
⑩	导板 Guide Block	2	烧结铜
⑪	定位键 Key	4	45
⑫	止动块 Stopping Block	4	45
⑬	缓冲块 Urethane Stopper	6	聚氨酯
⑭	定位键 Key	3	45
⑮	弹簧 Spring	3	TABLE OF CAM FORCE
⑯	弹簧定位销 Spring Pin	3	45
⑰	弹簧固定板 Spring Fixed Plate	3	45
⑱	导板 Guide Block	2	烧结铜

订购编号 Order Number

 订购
Order

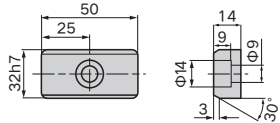
Catalog No.

(W) - (α) - 选择 Option

NSUWB 500 - 30

NSUWB 500 - 30 - N

键详图 Key specification

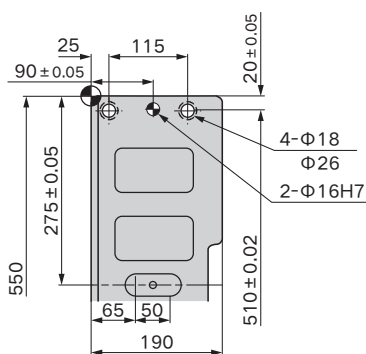
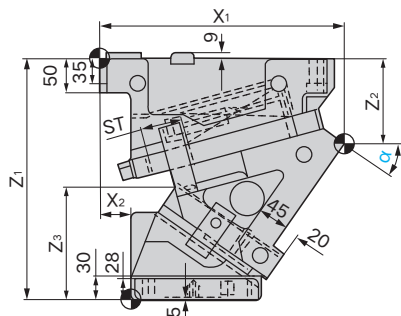
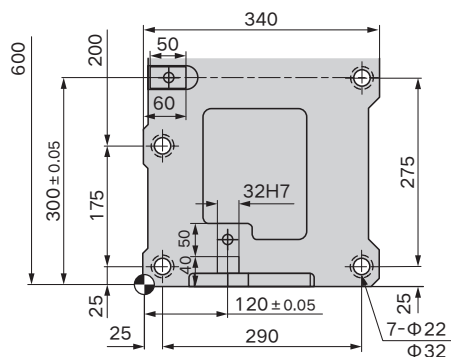


选择 Option	追加编号 Option Code	拓展 Envelope
	K	驱动块附带键 A key for driver is attached
	N	底座追加加工 Φ16H7 销孔 Φ16H7 dowel pin hole is additionally drilled on the cam holder.
	FK	键安装位置前移 Move the key position forward.

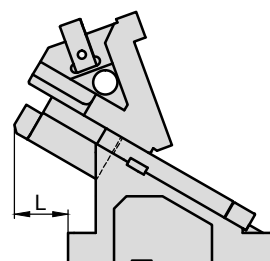
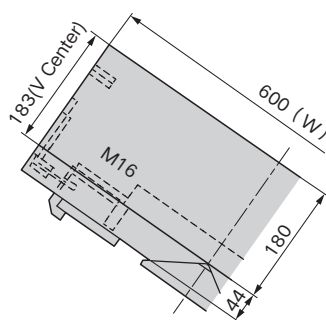
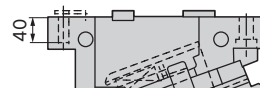
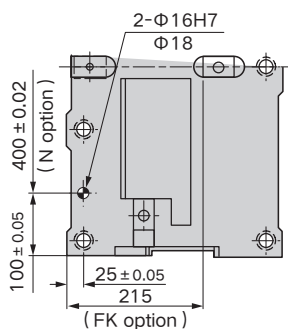
NSUWB600

斜楔结构图

Diagram of Cam Structure



■ 选择零件N和FK
Option part of N and FK



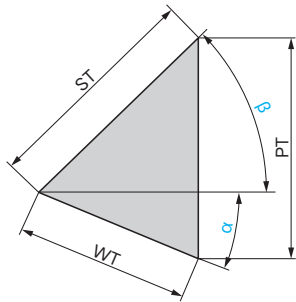
后方取出空间示意图

斜楔结构表

Table of Cam Structure

ANGLE α	W (/ mm)	X1 (/ mm)	X2 (/ mm)	Z1 (/ mm)	Z2 (/ mm)	Z3 (/ mm)	L (/ mm)	WEIGHT (/ kg)
00	600	313.00	138	350	58.00	102.0	47	281.4
05	600	320.64	125	350	64.34	110.8	61	277.9
10	600	331.08	115	350	72.47	119.1	70	274.1
15	600	336.17	100	350	82.37	126.8	80	272.3
20	600	340.76	85	350	94.00	133.9	90	268.8
25	600	344.72	70	350	102.33	145.2	91	273.1
30	600	347.83	55	350	112.25	155.7	103	276.6
35	600	355.03	45	350	123.73	165.3	93	278.1
40	600	351.17	25	350	136.66	173.9	116	285.2
45	600	356.12	15	350	150.95	181.4	97	283.0
50	600	348.77	-6	350	161.49	192.8	126	283.5
55	600	352.01	-15	350	178.16	198.0	103	283.2
60	600	332.75	-45	350	195.83	202.1	152	295.6

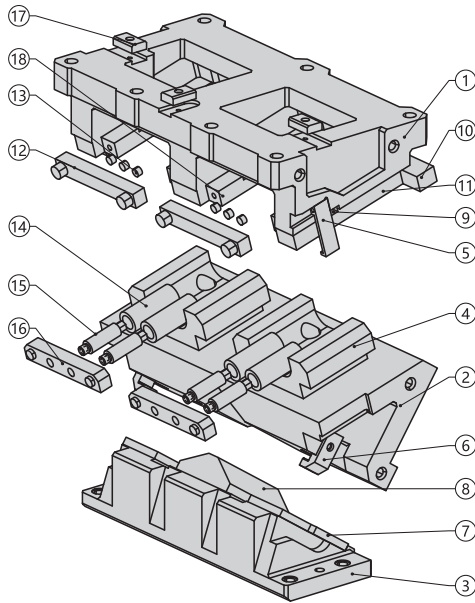
斜楔行程图
Diagram of Cam Travel



α	β	WT	ST	PT
0	50	38.6	60	45.9
5	45	42.6	60	46.1
10	40	46.7	60	46.7
15	35	50.9	60	47.6
20	30	55.3	60	48.9
25	25	60.0	60	50.7
30	20	65.1	60	53.0
35	15	70.75	60	56.1
40	10	77.1	60	60.0
45	5	84.5	60	65.0
50	0	93.3	60	71.5
55	0	104.6	60	85.7
60	0	120	60	103.9

斜楔受力表
Table of Cam Force

规格 Type	α	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 TM50-225	00° ~ 60°	3268.8/333.1	19612.8/1998.7	392.0/40.0	784.0/79.0
氮气弹簧 GK K750-080 GD L750.080	00° ~ 60°		26757.2/2730.4 26620.0/2716.3	392.0/40.0	784.0/79.0



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	2	QT450+ 石墨
⑤	安全挂钩 Safety Hook	2	45
⑥	刚性返回器 Positive Return Follower	2	45
⑦	导板 Guide Block	2	烧结铜
⑧	V 型导板 Cam Slide Guide	1	烧结铜
⑨	定位键 Key	3	45
⑩	导板 Guide Block	2	烧结铜
⑪	导板 Guide Block	2	烧结铜
⑫	止动块 Stopping Block	2	45
⑬	缓冲块 Urethane Stopper	6	聚氨酯
⑭	弹簧 Spring	4	TABLE OF CAM FORCE
⑮	弹簧定位销 Spring Pin	4	45
⑯	弹簧挡板 Spring Block	2	45
⑰	定位键 Key	4	45
⑱	导板 Guide Block	1	烧结铜

订购编号 Order Number

订购 Order Catalog No. (W) - (α)

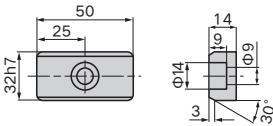
NSUWB 600 - 30

订购 Order NSUWB 600 - 30 - N

选择 Option

追加编号 Option Code	拓展 Envelope
K	驱动块附带键 A key for driver is attached
N	底座追加加工 $\Phi 16H7$ 销孔 $\Phi 16H7$ dowel pin hole is additionally drilled on the cam holder.
FK	键安装位置前移 Move the key position forward.

键详图 Key specification





CAM Technology

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