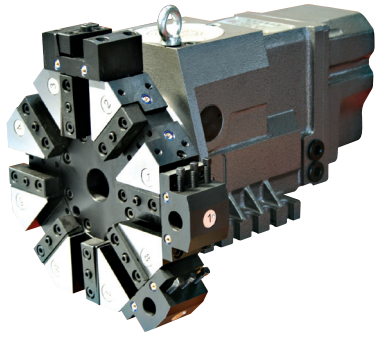
AK31 SERIES NC TURRET



● AK31 series NC turret produced by technology introduced from Baruffaldi S.P.A.Italy is an important equipment of high performance and key part for full–function NC.lathe.it is designed to hold several tools featuring bidirectional indexing and shortest indexing path.So that automation and high accuracy of operational procedures can be realized.

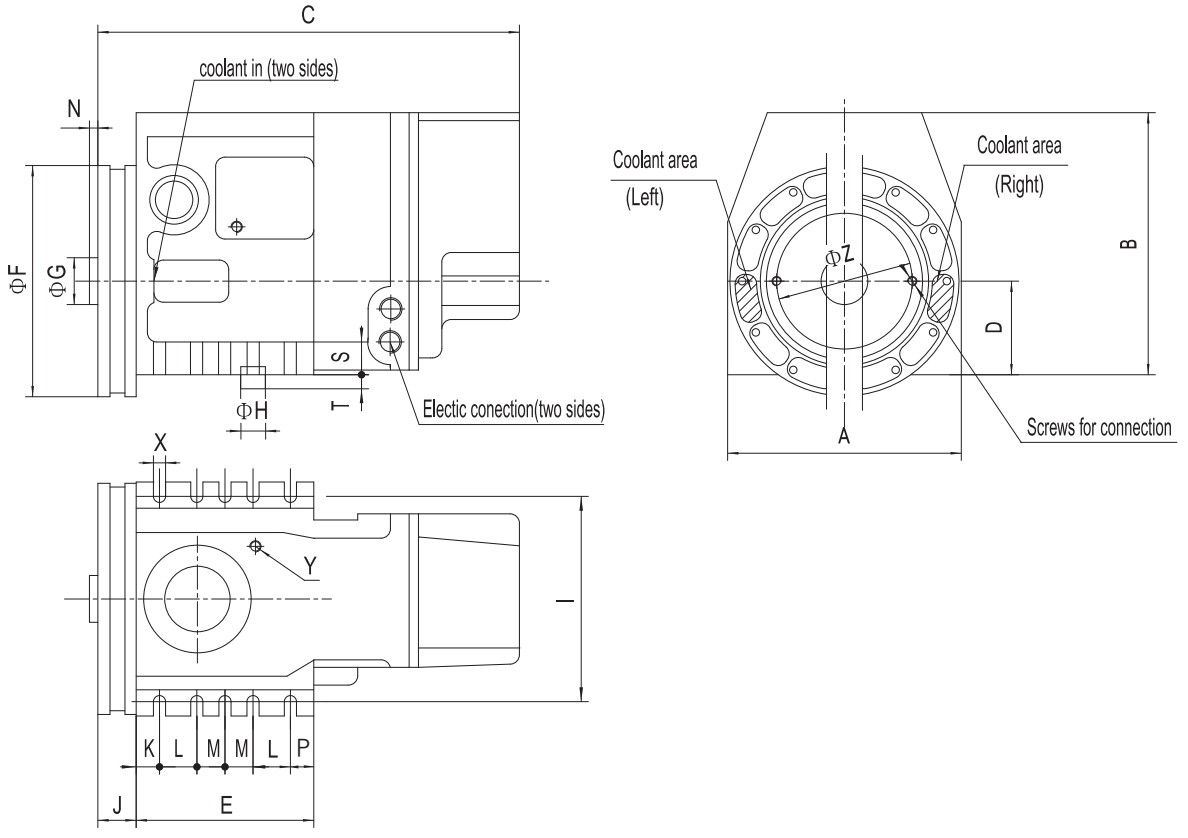
●It utilizes a face gear coupling as indexing mechanism.Indexing sequence is mainly controlled by a binary absolute encoder;Clamping and unclamping of turret are signalled by a proximity switch which is connected together with the encodert to PC.With indespensable matching atachement,turret disc,tool holder(such as turning tool holder,boring tool holder,collet and Morse tool shank),complicated work procedures can be realized.Other tool holders are on special orders.

●AK31 series has 5 specifications,with each having both 8 &12 stations.

MAIN SPECIFICATIONS AND PARAMETER

Items \ Specifications		AK3180X $^{8}_{12}$		AK31100X $^{8}_{12}$		AK31125X $^{8}_{12}$		AK31160X $^{8}_{12}$		AK31200X $^{8}_{12}$	
Center height mm		80		100		125		160		200	
Max inertia of mass $kg.m^2$		1.30	0.80	4.50	3.00	7.50	4.50	32	15	70	22
Time for 30° rotation s		0.19	0.16	0.27	0.22	0.32	0.27	0.50	0.30	0.62	0.34
Time for 30° rotation & clamping s		0.58	0.50	0.80	0.68	0.95	0.80	1.50	0.90	1.80	1.02
Time for 45° rotation s		0.29	0.25	0.40	0.34	0.47	0.40	0.75	0.45	0.90	0.50
Time for 45° rotation & clamping s		0.67	0.58	0.95	0.79	1.10	0.95	1.75	1.06	2.10	1.19
Time for 180° rotation & clamping s		1.54	1.33	2.15	1.80	2.50	2.15	4.0	2.44	5.23	2.70
Max.unbalanced load torque		15		40		60		160		470	
Angular indexing accuracy		± 6″									
Repeatability		± 2″									
Max.allowable load capacity kg		60		120		160		380		500	
Indexing frequency n/h		750		750		750		600		600	
Start–off power KVA		1.1		1.6		1.6		2.8		2.8	
Net weight kg	Without disk	65		103		136		366		480	
	With disk	95		149		210		486		593	
Gross weight kg	Without disk	84		130		171		466		600	
	With disk	115		178		245		586		713	
Packing dimension mm		710 × 550 × 535		610 × 450 × 465		710 × 623 × 575		1013 × 760 × 750		1010 × 940 × 900	

AK31 SERIES NC TURRET

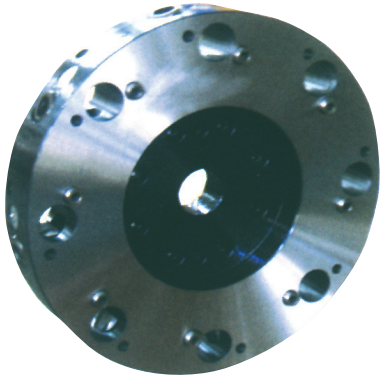


DIMENSIONAL PARAMETER mm

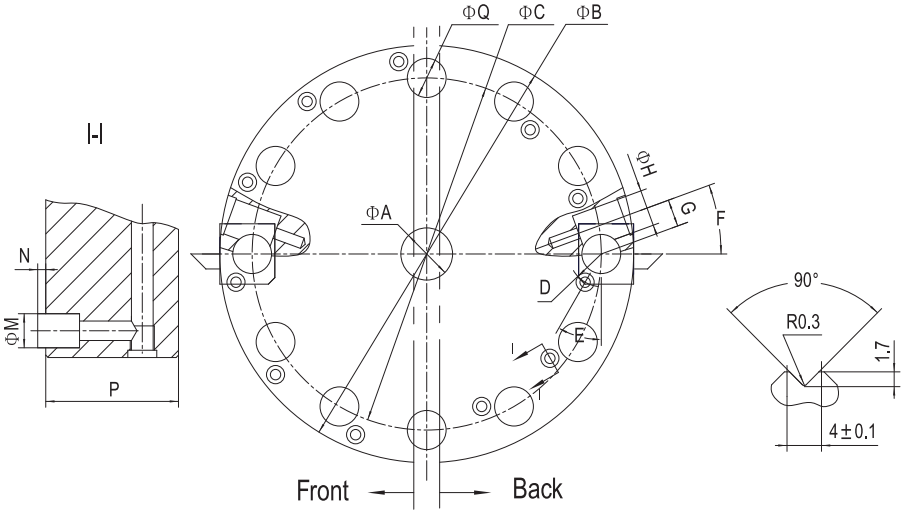
TYPE	A	B	C	D	E	F	G	H	I	Coolant	Electric conection
AK3180	210	240	394	80	170	207	40h5	17g6	190	G3/8″	M20X1.5
AK31100	250	280	451.5	100	190	247	50h5	20g6	220		M24X1.5
AK31125	310	320	470.5	125	230	310	63h5	26g6	280	G1/2″	
AK31160	390	410	656	160	270	390	80h5	32g6	352	G3/4″	
AK31200	470	480	693.5	200	358	465	100h5	/	420		

TYPE	J	K	L	M	N	P	S	T	X	Y	Z	Screws
AK3180	36	22	32	32	8	20	23	7.5	10–11	M10X20	120	8-M8 dep.15
AK31100	41	25	40	30	9	25	32	9	10–13	M10X24	145	12-M10 dep.18
AK31125	52	30	44	43	10	26	34	9	10–17	M12X24	182	12-M12 dep.22
AK31160	56	40	48	/	10	30	36	9	10–22	M24X42	220	16-M22 dep.30
AK31200	56	48	60	/	12	50	40	/	10–26	M30X42	300	16-M16 dep.30

AK31 SERIES VDI TURRET DISK



●This product is for the AK31 series NC turret, also can be used on NC turret manufactured by other factories.



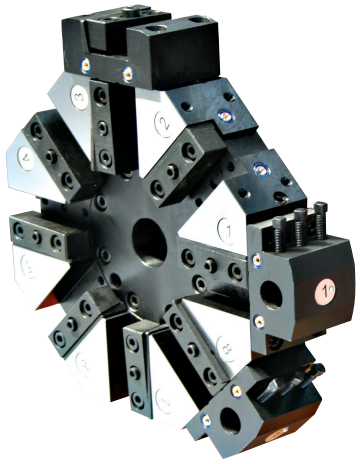
MAIN SPECIFICATIONS AND PARAMETER

mm

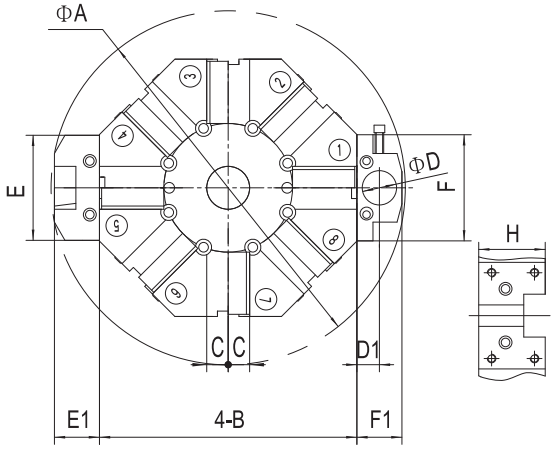
Type	A	B	C	D	E	F
AK3180A	40H5	320	270	R25 ± 0.02	30° ± 3′	20°
AK31100A	50H5	400	340	R32 ± 0.02	30° ± 3′	20°
AK31125A	63H5	473	405	R37 ± 0.02	30° ± 3′	25°
AK31160A	80H5	560	460	R48 ± 0.02	30° ± 3′	25°
AK31200A	100H5	740	620	R65 ± 0.02	30° ± 3′	20°

Type	G	H	M	N	P	Q
AK3180A	21	$28\ ^{+0.05}_{0}$	13.95 ± 0.02	6	56	30H6
AK31100A	24.7	$28\ ^{+0.05}_{0}$	13.95 ± 0.02	6	64	40H6
AK31125A	32	$40\ ^{+0.05}_{0}$	15.9 ± 0.02	6	79	50H6
AK31160A	39	$50\ ^{+0.05}_{0}$	15.9 ± 0.02	6	95	60H6
AK31200A	51	$60\ ^{+0.05}_{0}$	19.9 ± 0.02	6	126	80H6

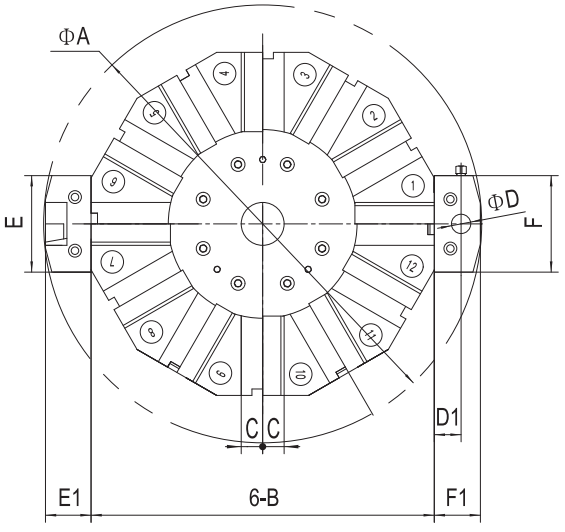
AK31 SERIES TURRET DISK



●This product is for the AK31 series NC turret.It can hold tools and cool down in double directions.



8 POSITIONS



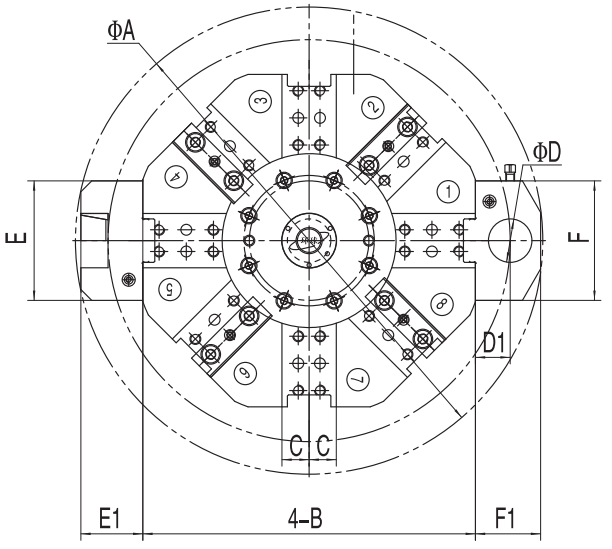
12 POSITIONS

MAIN SPECIFICATIONS AND PARAMETER mm

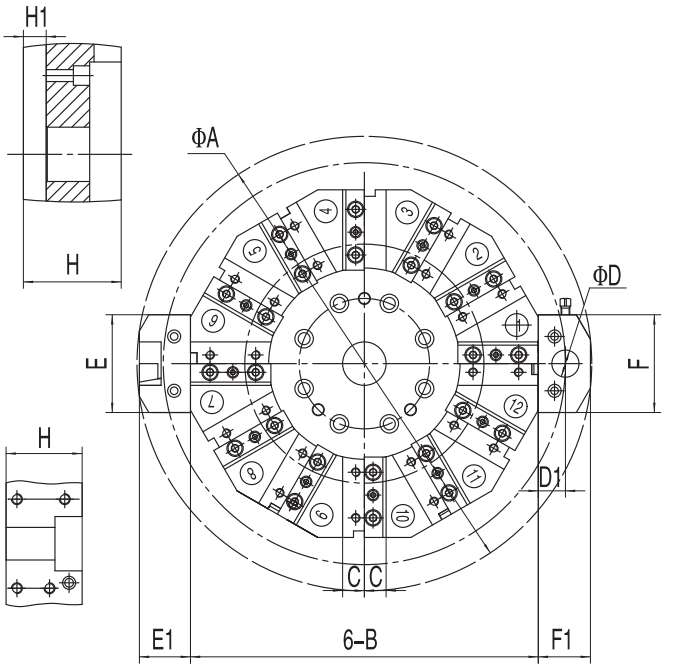
Type	A	B	C	D	D1	E	E1	F	F1	H	H1
AK3180X8A–2H	339	240	20	25H7	25	90	48	80	48	60	
*AK3180X8A–2M	340	240	20	32H7	22.5	99	45	99	45	60	
*AK3180X8A–10	374	275	25	32H7	22.5	99	45	99	45	60	
*AK3180X8A–2SN1	430	306	25	40H7	32	106	57	106	60	70	
*AK3180X12–2G	408.4	320	20	25H7	25	90	42.5	85	43	60	
AK3180X12A–2H	369	270	20	25H7	25	–	–	90	48	70	

* :recommended disc

AK31 SERIES TURRET DISK



8 POSITIONS



12 POSITIONS

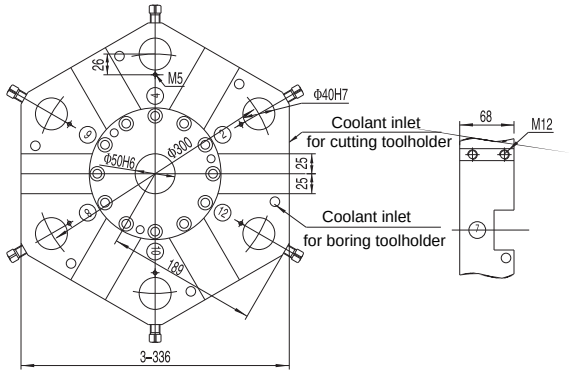
MAIN SPECIFICATIONS AND PARAMETER mm

Type	A	B	C	D	D1	E	E1	F	F1	H	H1
*AK31100X8A–10	466	330	25	40H7	35	134	60	130	62	70	
AK31100X8A–2NW1	522.4	360	32	50H7	40	120	65	120	80	90	21
AK31100X8A–2DZ	532	400	25	40H7	35	130	60	130	65	85	
AK31100X8A–10YJ	450	330	25	32H7	35	134	55	130	58	70	
AK31100X12A–2DZ	532	400	25	40H7	35	100	60	100	65	85	
AK31100X12A.10	472	375	25	32H7	22.5	99	45	99	45	60	
*AK31125X8A–10	513	350	32	50H7	40	120	72	120	80	90	
AK31125X8A–2XR	572	410	32	40H7 50H7 60H7	40	150	40	120	80	120	
*AK31125X12A–2DZ	642	480	32	60H7	40	120	57	120	80	110	

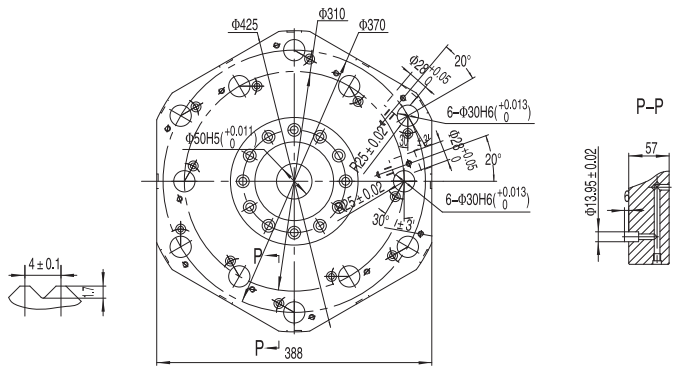
* :recommended disc

AK31 SERIES TURRET DISK

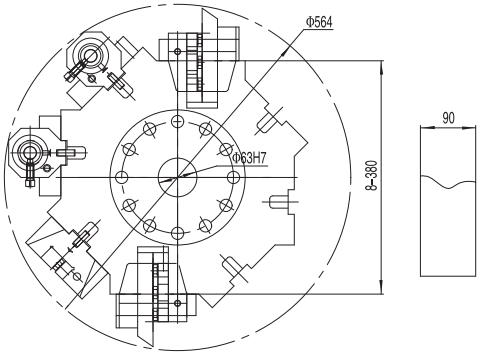
*AK31100X12A-2B



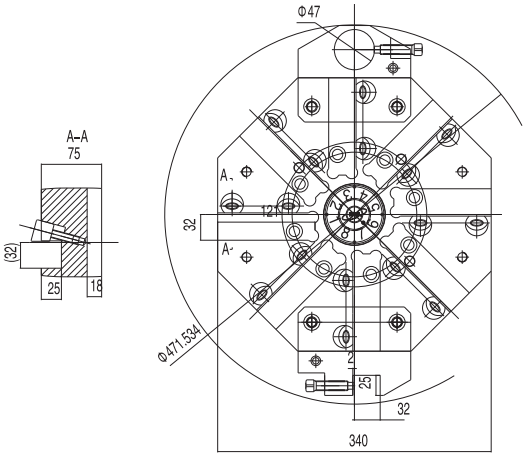
*AK31100X12A-2DMG



AK31125X8A-2YN

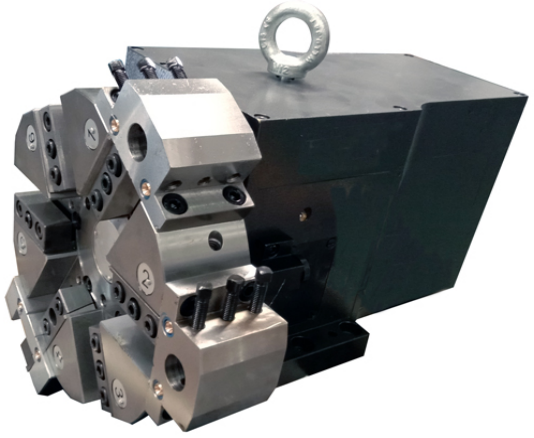


*AK31125X8A-2DLJC1



* :recommended disc

AK30 SERIES NC TURRET



●AK30 series NC turret is an important accessory for NC lathe and especially applicable for all–pervading NC lathe.It is designed to hold several tools and automatically index.Thus automation and high efficiency of operational procedures can be realized.

● It utilizes a face grear coupling as indexing mechanism. Indexing sequence is mainly controlled by a positioning face gear and a encoder.So it features high accuracy,reliability,compact design.

MAIN SPECIFICATIONS AND PARAMETER

Type	Center height (mm)	No.of position	Time of changing tools	Max.clamping force (N)	Reliability of working (h)	Motor parameter	Net weight (Kg)	Gross weight (Kg)	Packing dimension(mm)
AK3063X6J	63	6	3	20000	>3000	120W 1400r/min	50	59	430 x 354 x 390
AK3080X6J	80	6	3	25000		120W 1400r/min	65	78	510 x 450 x 455
AK3080X8J		8					73	86	
AK30100X6J	100	6	2.85	25000		3N・m Torque motor	113	135	580 x 560 x 560
AK30100X8J		8					115	137	

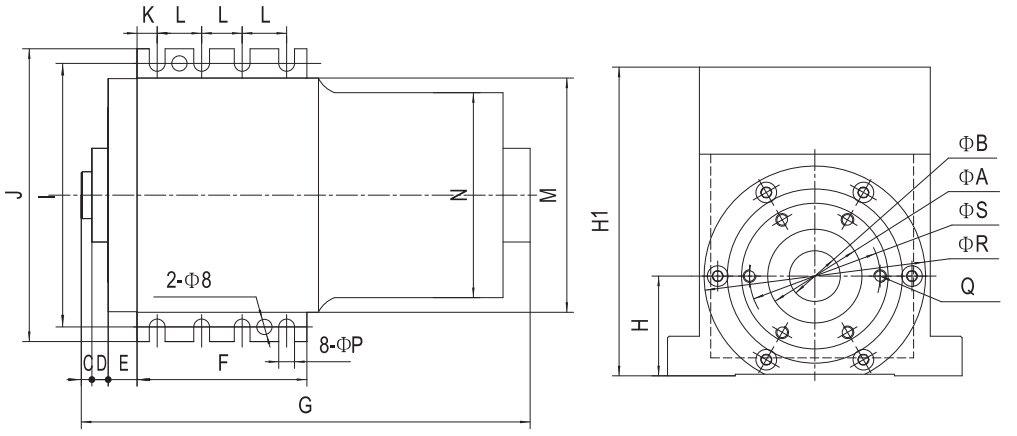
ACCURACY TESTING

No.	Items	Tolerance (mm)	No.	Items	Tolerance (mm)
1	The parallelism of packing knife face to the bottom face of NC turret	0.100	4	Residual deformation in vertical	0.015
2	Repeatability accuracy	0.005	5	Max.elastic deformation in horizontal	0.050
3	Max.elastic deformation in vertical	0.050	6	Max.elastic deformation in horizontal	0.015

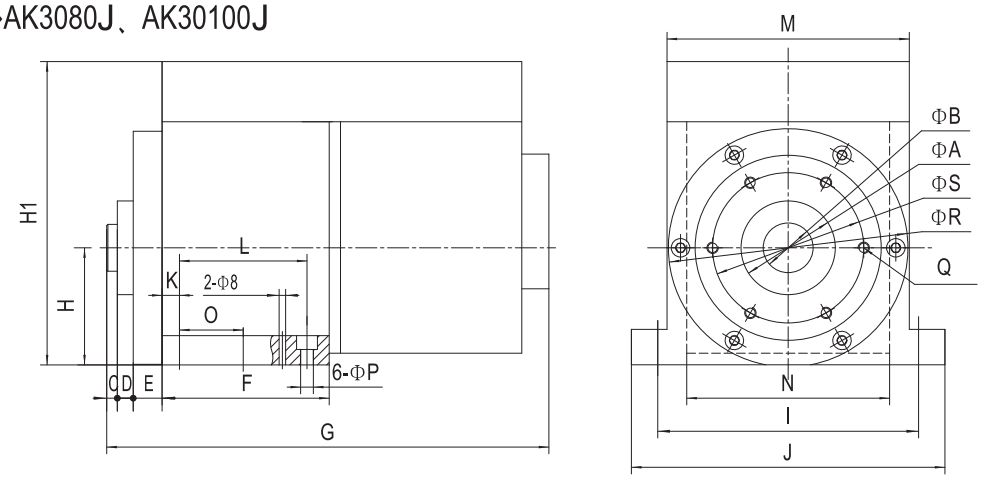
AK3063 F=800Nm F1=400Nm; AK3080 F=1000Nm F1=500Nm; AK30100 F=1500Nm F1=800Nm

AK30 SERIES NC TURRET

◆AK3063J



◆AK3080J、AK30100J



MAIN SPECIFICATIONS AND PARAMETER mm

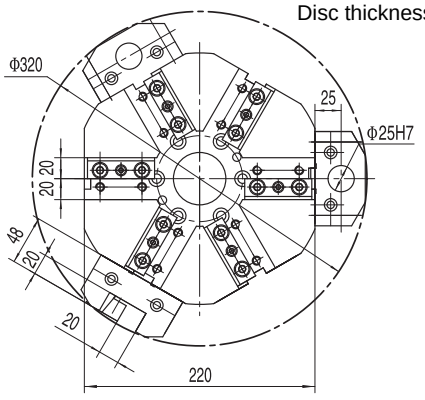
Type	A	B	C	D	E	F	G	H	H1	I
AK3063X6J	58	30	8	11	18	130	348.5	63	195	165
AK3080X 6J 8J	70	30	8	11	18	137	364	80	214	195
AK30100X 6J 8J	80	40	9	13	25	145	381.5	100	259	225

Type	J	K	L	M	N	O	P	Q	R	S
AK3063X6J	185	19	30	145	123	/	11	6–M8	139	82
AK3080X 6J 8J	220	11	115	170	140	64	11 counterbore 18	6–M8	169	106
AK30100X 6J 8J	250	20	110	200	160	70	11 counterbore 18	8–M8	199	125

AK30 SERIES TURRET DISK

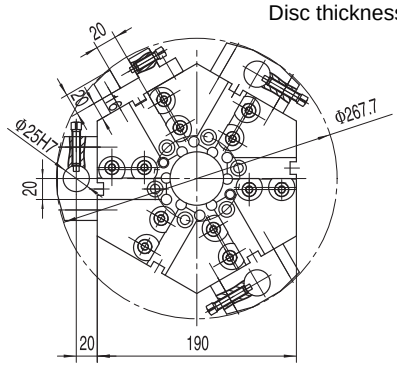
♦ AK3063

Disc thickness 55



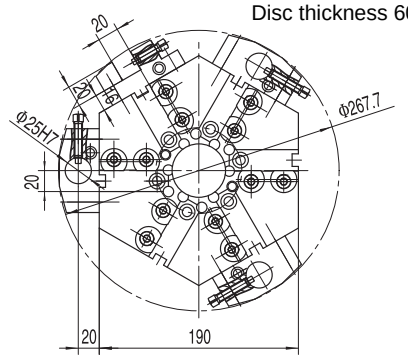
AK3063X6J

Disc thickness 60



AK3063X6J-E

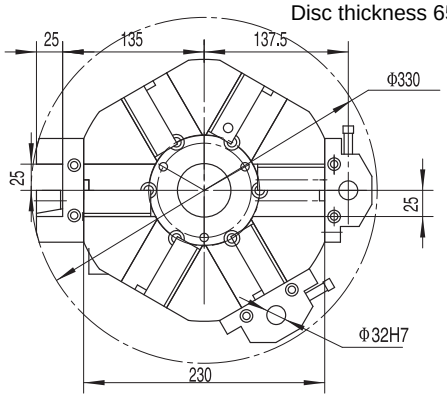
Disc thickness 60



AK3063X6J-E2

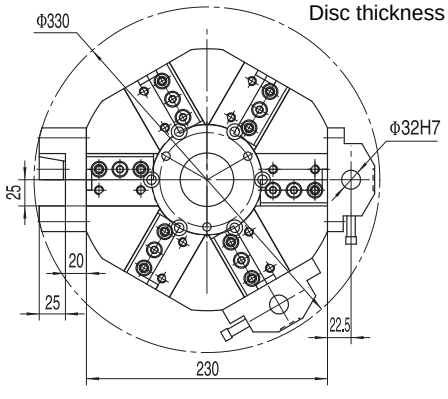
♦ AK3080

Disc thickness 65



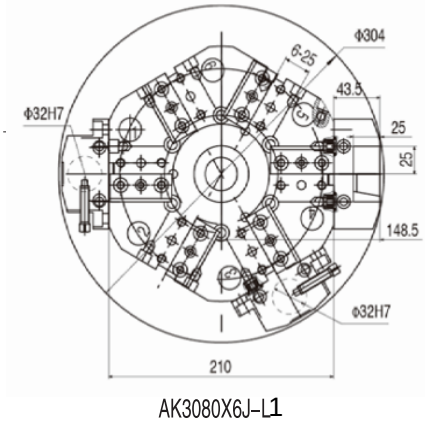
AK3080X6J

Disc thickness 65



AK3080X6J-E

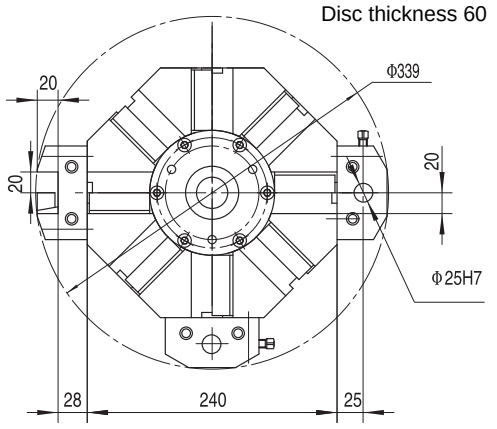
Disc thickness 60



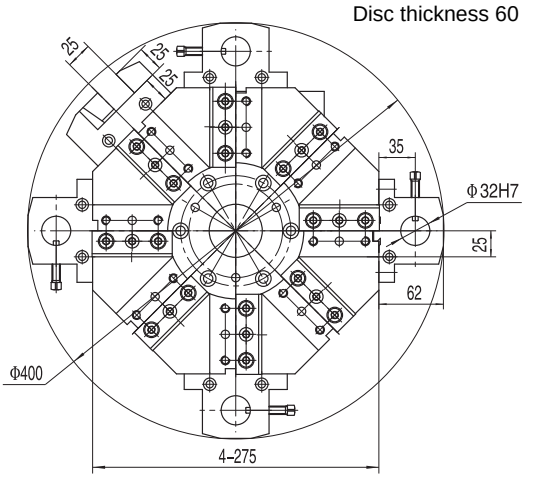
AK3080X6J-L1

AK30 SERIES TURRET DISK

♦ AK3080

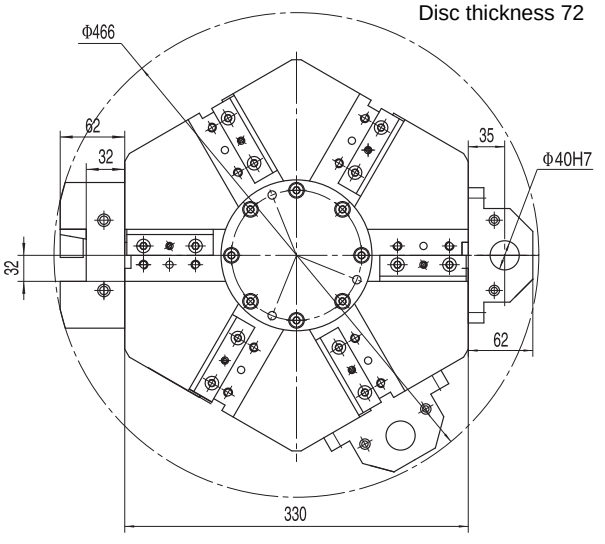


AK3080X8J

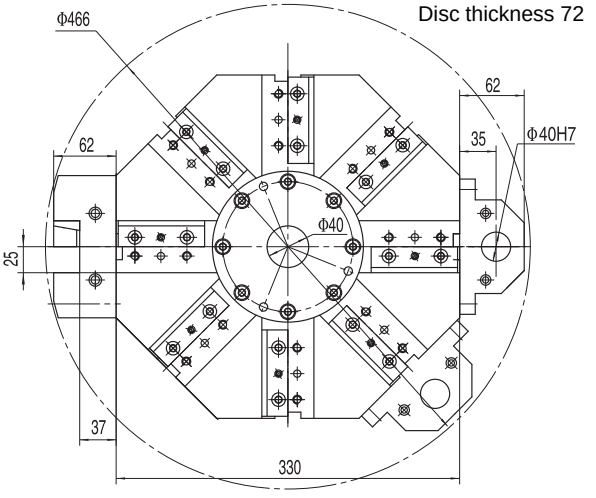


AK3080X8J–NJ

♦ AK30100

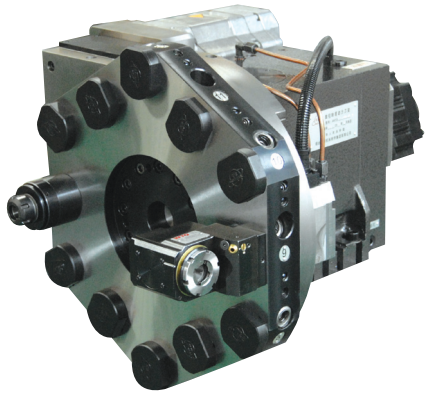


AK30100X6J–A



AK30100X8J

AK33 SERIES LIVING TOOL NC TURRET



●AK33 series NC turret is designed by ourselves.It is designed to hold several tools; bidirectionally index and position in the shortest path.Thus automation and high efficiency of operational procedures can be realized.

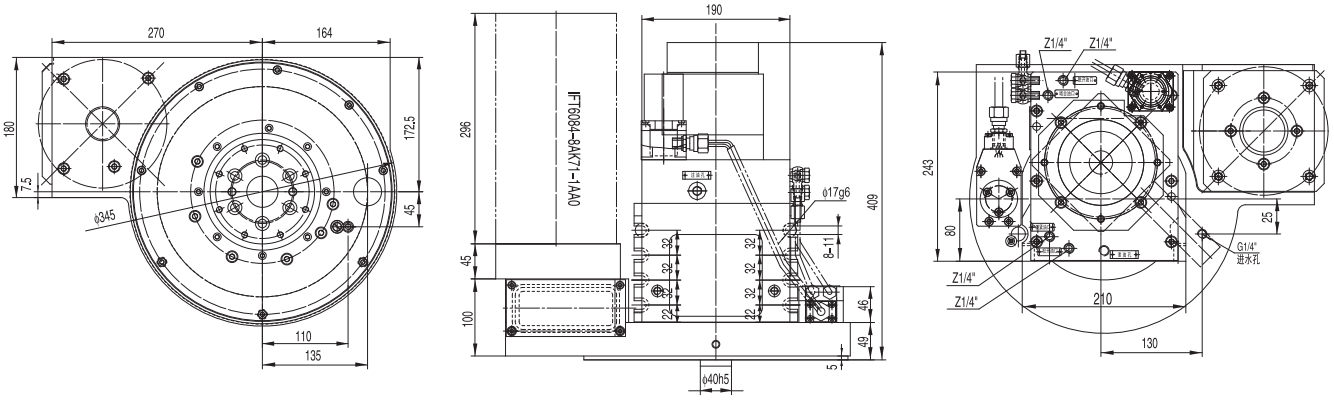
●It utilizes a face gear coupling as indexing mechanism. Indexing sequence is mainly controlled by a binary absolute encoder.It features compact design; high flexibility;high accuracy and reliable performence.With the matching disc, and various supplementary tool holder,such complicated work procedures as turning,boring, drilling,and milling can be accomplished.

MAIN SPECIFICATIONS AND PARAMETER

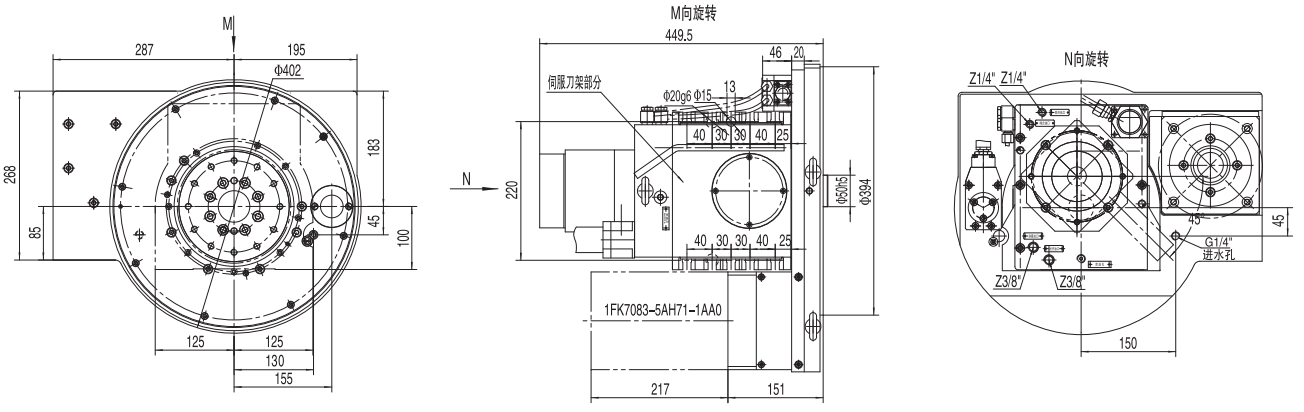
No.	Items		AK3380D	AK33100D	AK33125D
1	Center height (mm)		80	100	125
2	No.of working positions		8/12	12	12
3	Angular accuracy		± 6″	± 6″	± 6″
4	Repeatability		± 2″	± 2″	± 2″
5	Time for 30°rotation(s)		0.15	0.15	0.32
6	Time for 30°rotation and clamping(s)		0.57	0.45	0.95
7	Time for 180°rotation and clamping(s)		1.54	1.0	2.5
8	Max.unbalanced load torque(N.m)		15	40	60
9	Indexing frequency(n/h)		750	750	750
10	Max.inertia of (kg.m)		1.3	4.5	1
11	Max.load (kg)		40	120	160
12	Driven module	DIN 69880 VDI tool shank dia.	Φ30	Φ30	Φ50
		Coupling type	DIN 5482	DIN 5482	DIN 5482
		Transmission ratio	1:1	1:1	1:1
		Max.speed(r/min)	5000	4000	3000
		Max.torque(N.m)	20	40	60
		Max.power(Kw)	6	8	10
13	No.of living tool holders		12	12	12
14	Coolant inlet		G1/4”	G1/4”	G1/4”
15	Hydraulic pressure(Mpa)		2–2.5	2–2.5	2–2.5
16	N.W.(Kg)		175		
17	G.W.(Kg)		195	245	450
18	Package size(mm)		740x600x550	750x650x610	

AK33 SERIES LIVING TOOL NC TURRET

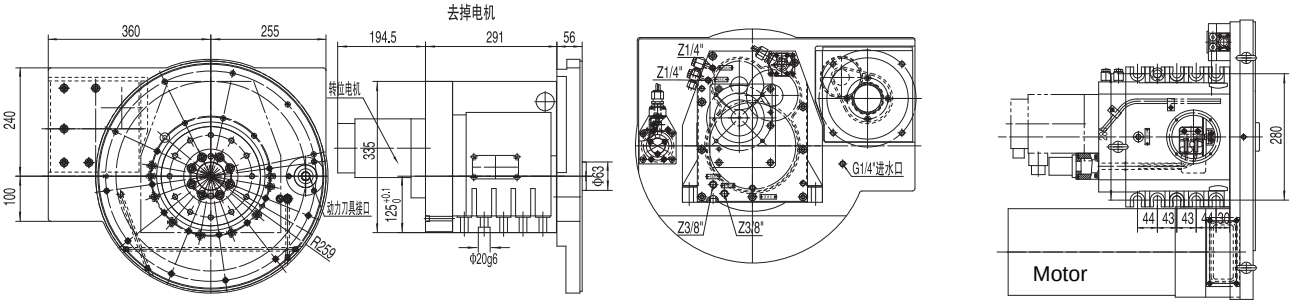
AK3380D



AK33100D



AK33125D



AK27(VDI) SERIES NC TURRET



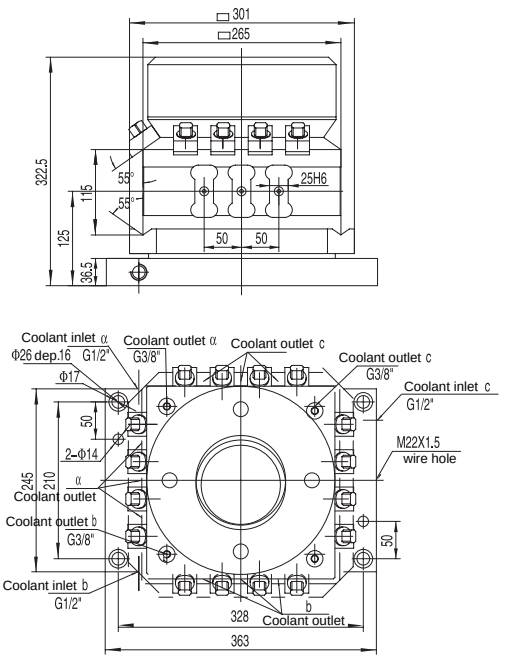
●AK27 series NC turret is an important accessory for NC lathe and especially applicable for NC vertical lathe and large NC horizontal lathe. It is designed to hold several tools and automatically index.Thus auto–mation and high efficiency of operational procedures can be realized.

●It utilizes a face gear coupling as indexing mechanism.Indexing sequence is mainly controlled by a positioning face gear and transduc–ers.So it features high accuracy, reliability,wide application and compact design.

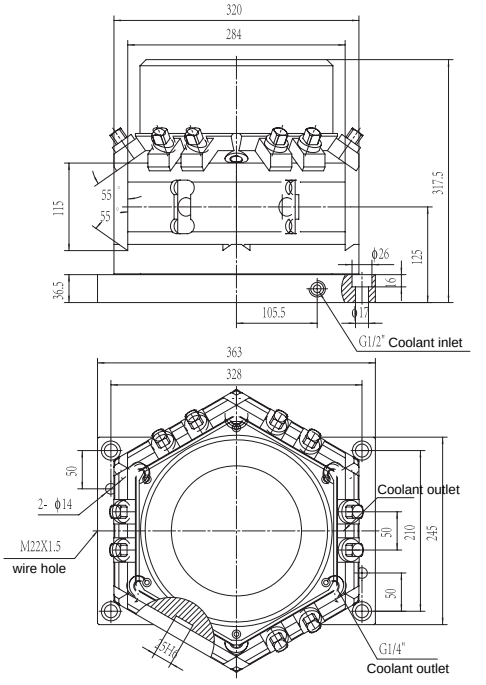
MAIN SPECIFICATIONS AND PARAMETER

No.	Items	AK27300×4D	AK27320×6D	AK27380×4–SH	AK27400×4D
1	Dimension of turret square(mm)	265	284	336	400
2	Height of datum plane(mm)	125	125	160	196
3	Time of changing tools per position(s)	4	3.5	6.5	8.5
4	Max.clamping force(KN)	27.5	27.5	60	100
5	Torque of motor(Nm)	5	5	6.4	9.4
6	N.W.(kg)	122			430
7	G.W.(kg)	132		234	400
8	Package size(cm)	50×45×44	50×45×45	60×48×48	73×60×54
9	Repeatability(mm)	≤0.005	≤0.005	≤0.005	≤0.005
10	Torque in vertical(Nm)	4000	4000	5500	6300
11	Max.elastic deformation in vertical	≤0.060			
12	Residual deformation in vertical(mm)	≤0.015			
13	Torque in horizontal	2000	2000	3000	3200
14	Max.elastic deformation in horizontal	≤0.060			
15	Residual deformation in horizontal	≤0.015			

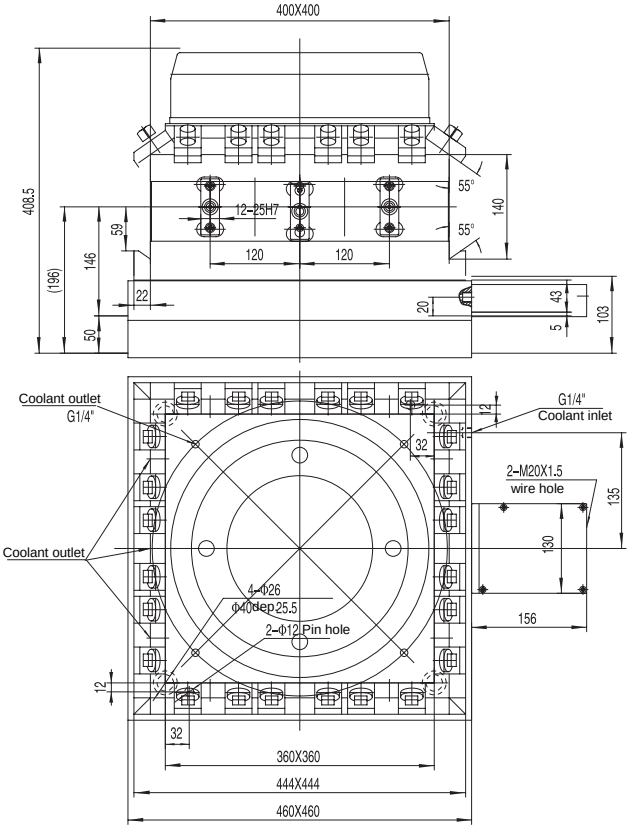
AK27(VDI) SERIES NC TURRET



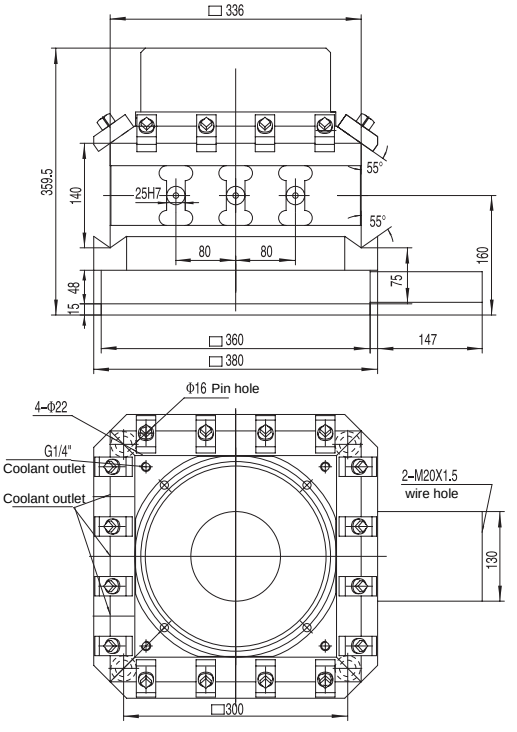
AK27300X4D



AK27320X6D

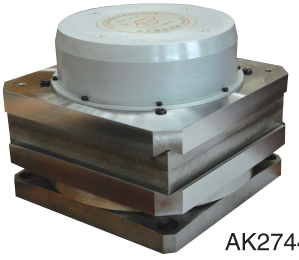


AK27400X4D

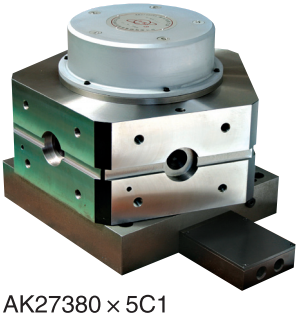


AK27380X4-SH

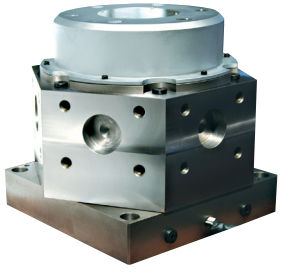
AK27 SERIES NC TURRET



AK27440 × 4C



AK27380 × 5C1



AK27300 × 6C

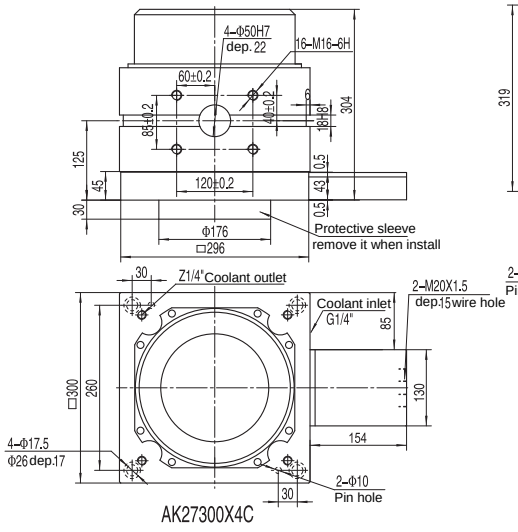
●AK27 series NC turret is an important accessory for NC lathe and especially applicable for NC vertical lathe and large NC horizontal lathe. It is designed to hold several tools and automatically index.Thus auto–mation and high efficiency of operational procedures can be realized.

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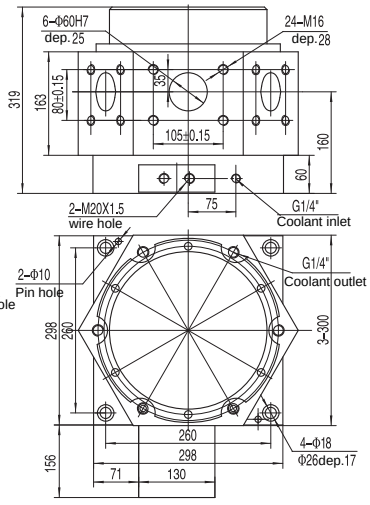
MAIN SPECIFICATIONS AND PARAMETER

No.	Items	AK27300 x 4C*	AK27300 x 6C*	AK27320 x 6B*	AK27380 x 5C1*	AK27380 x 6E*	AK27380 x 6D*	AK27440 x 4C*	AK27440 x 6QY
1	Dimension of turret square(mm)	300	300	320	380	380	380	440	440
2	Height of datum plane(mm)	125	160	125	205	205	135	160	160
3	Time of changing tools per position(s)	4	3.5	4.6	6.2	5.5	5.5	8.5	8.5
4	Max.clamping force(KN)	27.5	27.5	40	60	60	60	100	100
5	Torque of motor(Nm)	5	5	5	6.4	6.4	6.4	9.4	9.4
6	N.W.(kg)	140	149		260	254		312	311
7	G.W.(kg)	155	155		282	275	220	337	336
8	Package size(cm)	58 x 46 x 47	59.5 x 48 x 51	58 x 46 x 47	74 x 53 x 51	74 x 53 x 51	61 x 48 x 50	68 x 58 x 50	60 x 60 x 48
9	Repeatability(mm)	≤0.005							
10	Torque in vertical(Nm)	4000			5500			6300	
11	Max.elastic deformation in vertical	≤0.060							
12	Residual deformation in vertical(mm)	≤0.015							
13	Torque in horizontal	2000			3000			3200	
14	Max.elastic deformation in horizontal	≤0.060							
15	Residual deformation in horizontal	≤0.015							

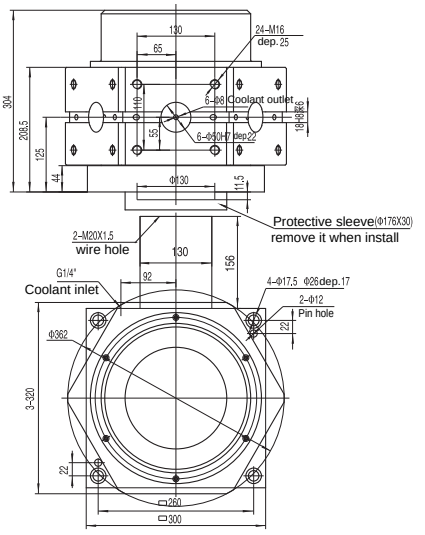
AK27 SERIES NC TURRET



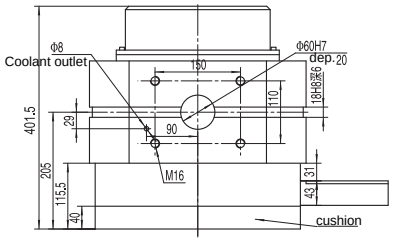
AK27300X4C

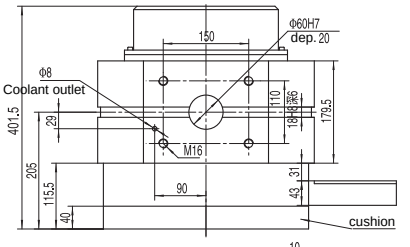


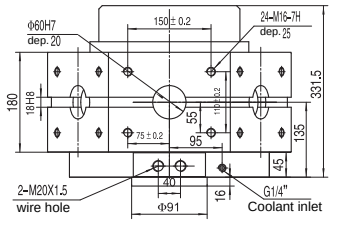
AK27300X6C

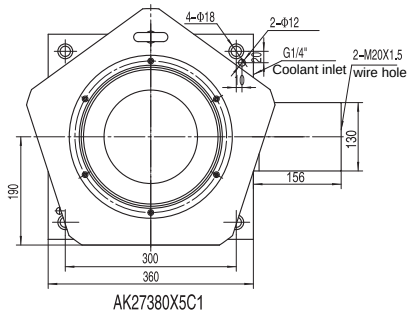


AK27320X6B

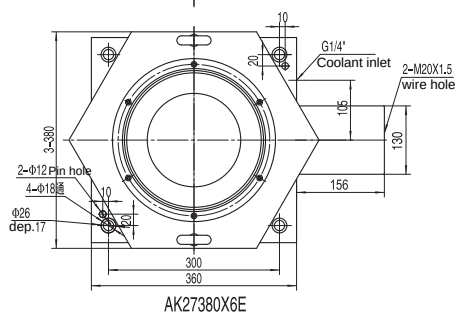




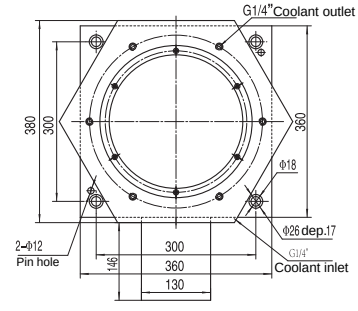




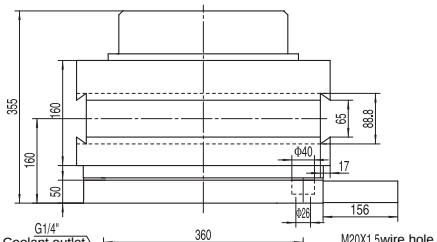
AK27380X5C1

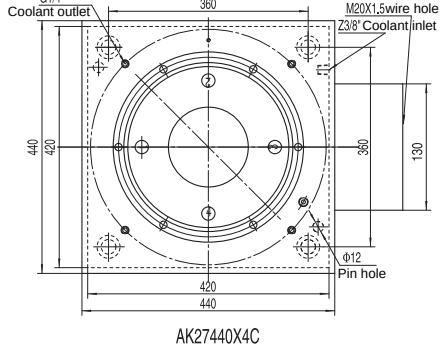


AK27380X6E

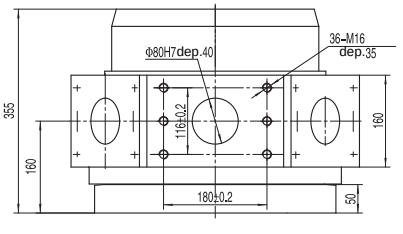


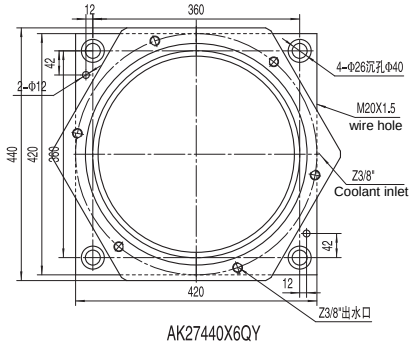
AK27380X6D





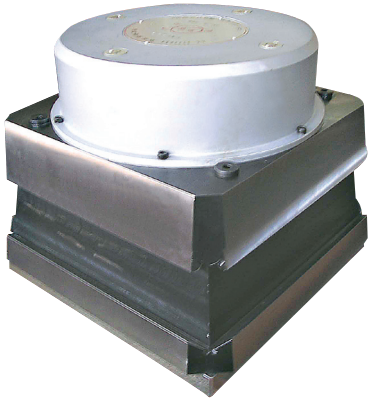
AK27440X4C

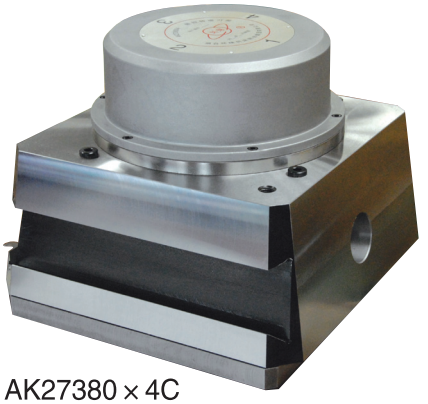




AK27440X6QY

AK27 SERIES NC TURRET





AK27380×4C

●AK27 series NC turret is an important accessory for NC lathe and especially applicable for NC vertical lathe and large NC horizontal lathe. It is designed to hold several tools and automatically index.Thus auto–mation and high efficiency of operational procedures can be realized.

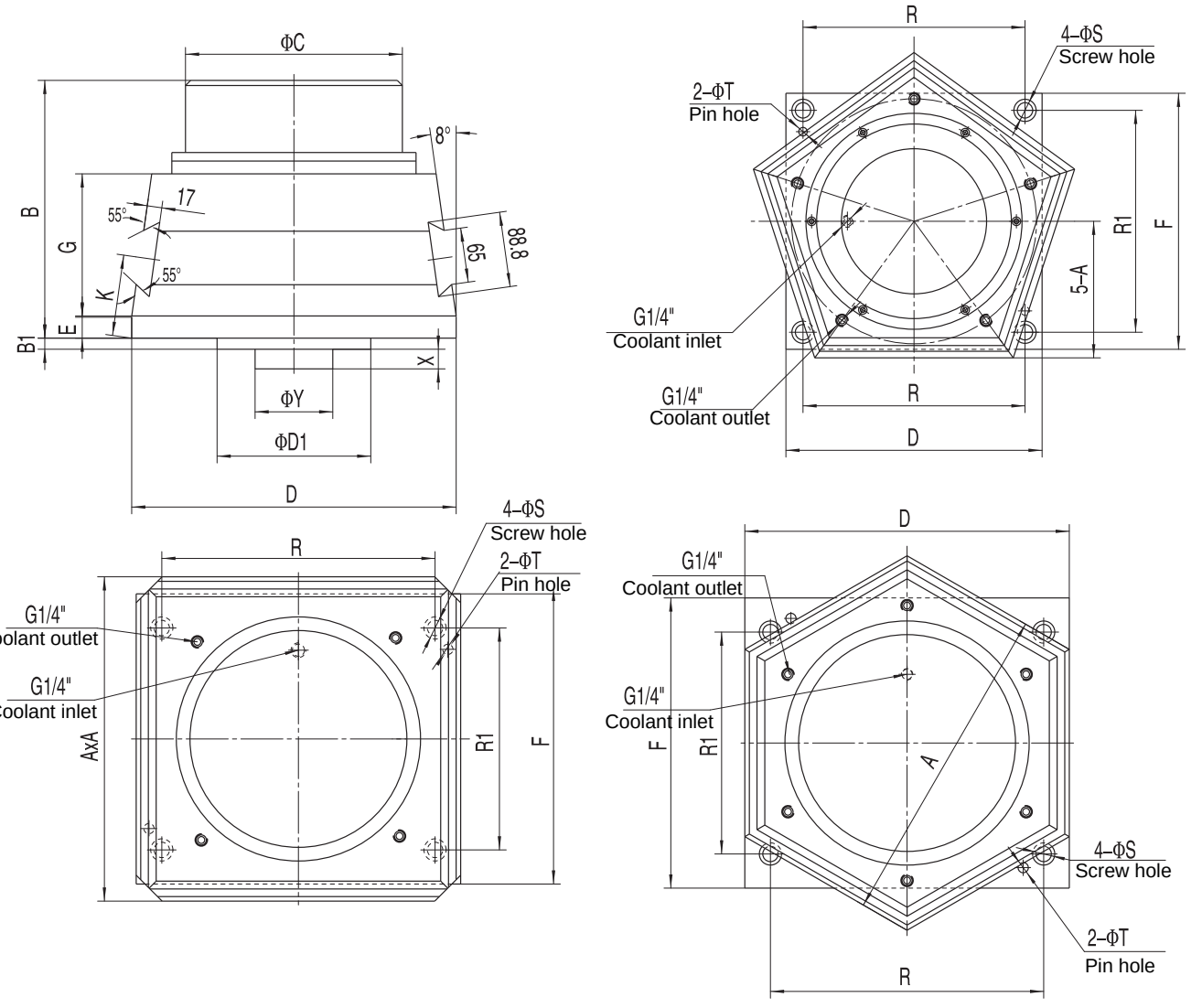
●It utilizes a face gear coupling as indexing mechanism.Indexing sequence is mainly controlled by a positioning face gear and transduc–ers.So it features high accuracy, reliability,wide application and compact design.

MAIN SPECIFICATIONS AND PARAMETER

No.	Items	AK27320×4QY5	AK27320×5QY	AK27380×4C	AK27380×4QY5	AK27380×6QY	AK27450×4D	AK27380×5QY
1	Dimension of turret square(mm)	320	320	380	380	380	450	380
2	Height of datum plane(mm)	90	90	95	95	95	105	179
3	Time of changing tools per position(s)	6.5	6.5	6.5	6.5	5.5	8.5	6.2
4	Max.clamping force(KN)	40	40	60	60	60	100	60
5	Torque of motor(Nm)	5	5	6.4	6.4	6.4	9.4	6.4
6	N.W.(kg)	116		175	175			
7	G.W.(kg)	133	126	230	195	168	330	230
8	Package size(cm)	44×48×52	50×50×48.5	50×50×54	50×50×54	50×48×48	58×58×51.5	74×53×51
9	Repeatability(mm)	≤0.005	≤0.005	≤0.005	≤0.005	≤0.005	≤0.005	≤0.005
10	Torque in vertical(Nm)	4000	4000	5500	5500	5500	6300	5500
11	Max.elastic deformation in vertical	≤0.06						
12	Residual deformation in vertical(mm)	≤0.015						
13	Torque in horizontal	2000			3000	3000	3200	3000
14	Max.elastic deformation in horizontal	≤0.06						
15	Residual deformation in horizontal	≤0.015						

AK27380×4C为3边燕尾 1 边光孔(Φ55)。其余为4边燕尾。

AK27 SERIES NC TURRET



DIMENSIONAL PARAMETER mm

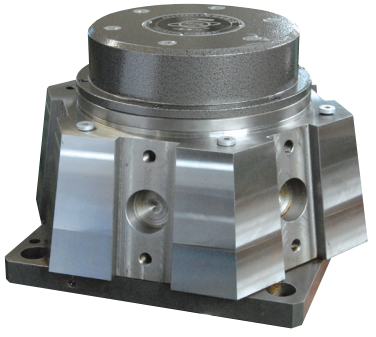
TYPE	A	B	B1	C	D	D1	E	F	G	K	R	R1	S	T	X	Y
AK27320X4QY5	320	285	8	253	300	180h6	25	300	163.5	90	260	260	18	12	30	176
AK27320X5QY	160	281	8	253	300	180h6	25	300	163.5	90	260	260	18	12	30	176
AK27380X4C	380	303	13	254	380	180h6	25	340	166.5	95	320	260	18	12	30	176
AK27380X4QY5	380	303	13	254	380	180h6	25	340	166.5	95	320	260	18	12	30	176
AK27380X6QY	380	303	13	254	380	180h6	25	340	166.5	95	320	260	18	12	30	176
AK27450X4D	450	340	15	360	450	260h7	35	450	189.5	105.3	360	360	22	12	/	/
AK27380X5QY	190	401.5	/	254	360	/	115.5	360	179.5	179	300	300	18	12	/	/

AK27 SERIES NC TURRET



●AK27 series NC turret is an important accessory for NC lathe and especially applicable for NC vertical lathe and large NC horizontal lathe.It is designed to hold several tools and automatically index.Thus automation and high efficiency of operational procedures can be realized.

●It utilizes a face gear coupling as indexing mechanism.Indexing sequence is mainly controlled by a positioning face gear and transducers.So it features high accuracy, reliability,wide application and compact design.

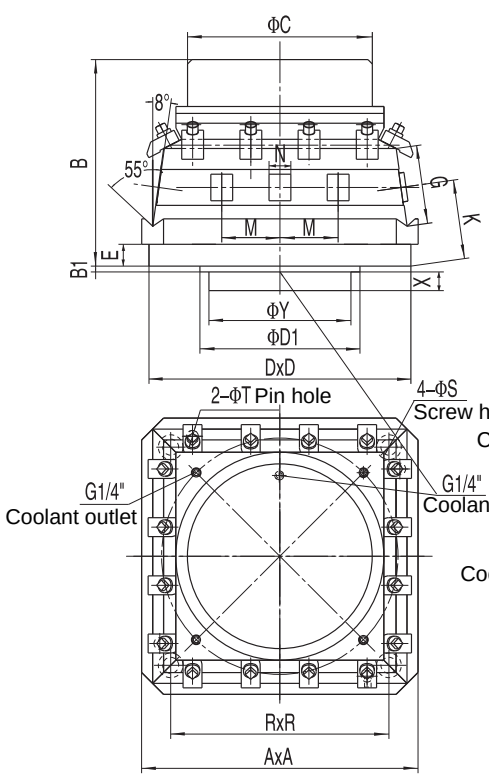




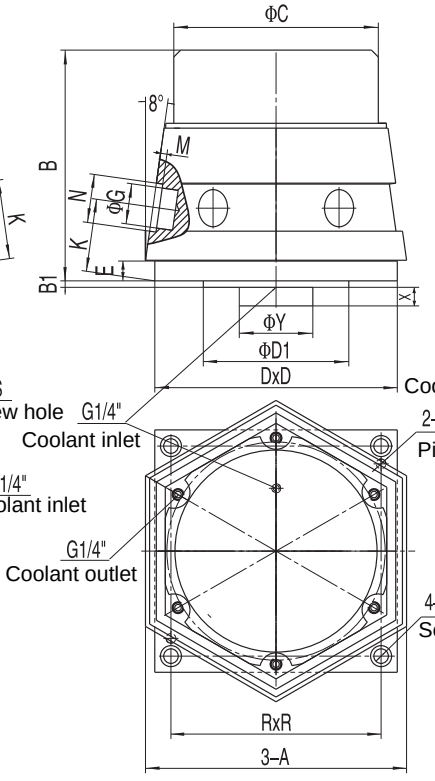
MAIN SPECIFICATIONS AND PARAMETER

No.	Items	AK27320×4C	AK27380×4E	AK27450×4C	AK27320×6QY1	AK27380×6C	AK27440×6C
1	Dimension of turret square(mm)	320	380	450	320	380	440
2	Height of datum plane(mm)	90	109	110	90	109	110
3	Time of changing tools per position(s)	4	4	8.5	5	3.5	8.5
4	Max.clamping force(KN)	27.5	34	100	40	34	100
5	Torque of motor(Nm)	5	6.4	9.4	5	6.4	9.4
6	N.W.(kg)	113	175	284		170	
7	G.W.(kg)	125	200	305	124	190	270
8	Package size(cm)	44×48×52	50×50×49	55×55×48	44×48×52	50×50×49	60×60×48
9	Repeatability(mm)	≤0.005	≤0.005	≤0.005	≤0.005	≤0.005	≤0.005
10	Torque in vertical(Nm)	4000	5500	6300	4000	5500	6300
11	Max.elastic deformation in vertical (mm)	≤0.06					
12	Residual deformation in vertical(mm)	≤0.015					
13	Torque in horizontal (Nm)	2000	3000	3200	2000	3000	3200
14	Max.elastic deformation in horizontal (mm)	≤0.06					
15	Residual deformation in horizontal (mm)	≤0.015					

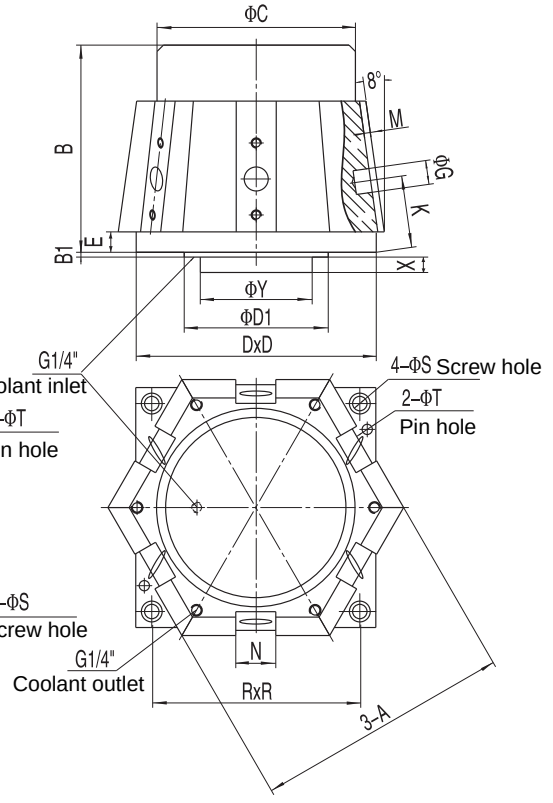
AK27 SERIES NC TURRET



AK27320X4C
AK27380X4E
AK27450X4C



AK27320X6QY1

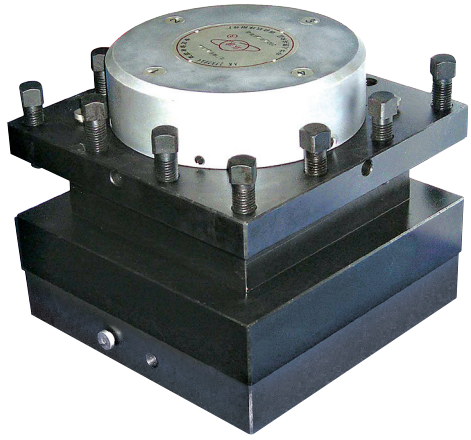


AK27380X6C
AK27440X6C

DIMENSIONAL PARAMETER mm

TYPE	A	B	B1	C	D	D1	E	K	G	R	S	T	X	Y	M	N
AK27320X4C	320	285	8	250	300	180	25	90	90	260	18	10	30	176	70	25
AK27380X4E	380	308	8	254	360	220h6	30	109	108	300	22	16	30	176	80	30
AK27450X4C	450	340	10	345	400	320h6	35	110	110	340	22	12	/	/	90	30
AK27320X6QY1	320	286	8	253	300	180h6	25	90	(50)	260	18	12	30	176	8	60
AK27380X6C	(390)	308	8	254	360	220h6	30	109	(50)	300	22	16	30	176	15	70
AK27440X6C	440	342	8	356	400	320h6	35	110	80	340	22	16	/	/	10	90

AK23 SERIES NC TURRET



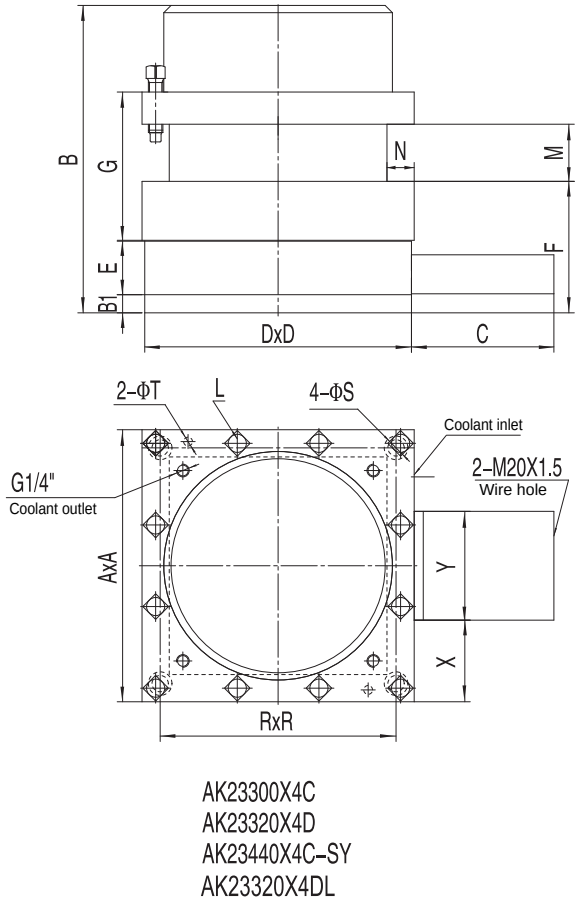
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●It utilizes a face gear coupling as indexing mechanism.Indexing sequence is mainly controlled by a positioning face gear and transducers.So it features high accuracy, reliability,wide application and compact design.

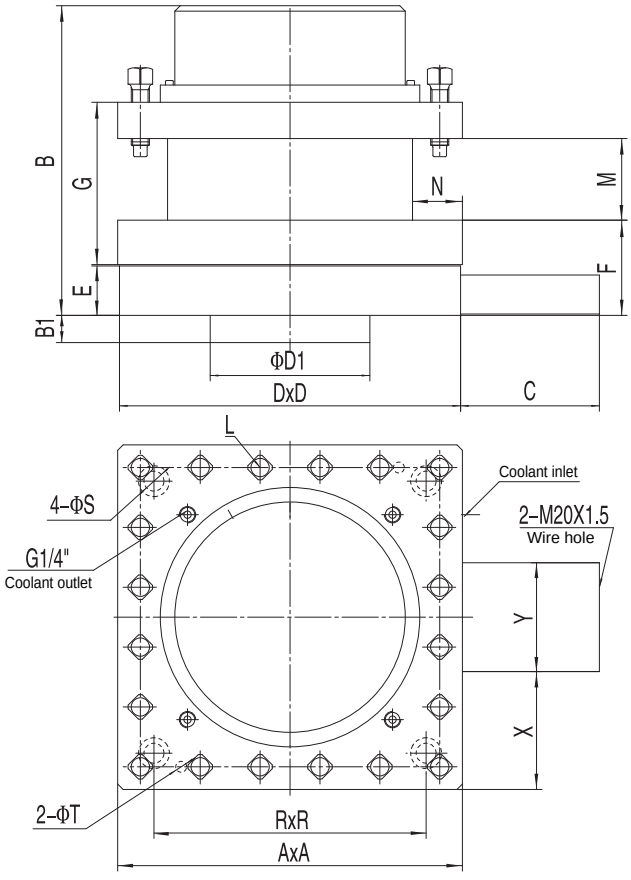
MAIN SPECIFICATIONS AND PARAMETER

Item		AK23320X4D	AK23320X4DL	AK23380X4C1	AK23380X4D	AK23440X4C-SY	AK23440X4D1
Dimension of turret square	(mm)	320	320	380	380	440	440
Height of datum plane	(mm)	130	130	110	105	145	145
Time of changing tool per position	(s)	4	4	4	6	8.5	8.5
Max.clamping force	(N)	27500	27500	34000	60000	100000	100000
Torque of motor	(Nm)	5	5	6.4	6.4	9.4	9.4
Repeatablility	(mm)	0.005	0.005	0.005	0.005	0.005	0.005
Torque in vertical	(Nm)	4000	4000	5500	5500	6300	6300
Max elastic deformation in vertical	(mm)	≤0.06					
Residual deformation in vertical	(mm)	≤0.015					
Torque in horizontal	(Nm)	2000		3000		3200	
Max.elastic deformation in horizontal	(mm)	≤0.06					
Residual deformation in horizontal	(mm)	≤0.015					
Net weight of turret	(kg)	154	160	205	203	254	255
Gross weight of turret	(kg)	168	170	230	228	281	285
Packing dimension	(cm)	58X44X52	58X44X52	64X52X48	64X52X52	69X58X53	69X58X53

AK23 SERIES NC TURRET



AK23300X4C
AK23320X4D
AK23440X4C-SY
AK23320X4DL



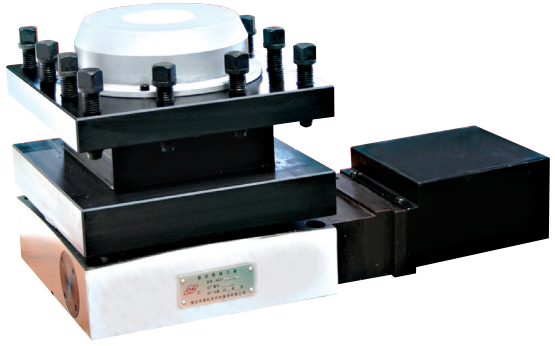
AK23380X4C1
AK23380X4D
AK23440X4D1

mm

	A	B	B1	C	D	D1	E	F	G	L	M	N	R	S	T	X	Y
AK23320X4D	320	326	10	130	316	/	56.5	130	163.5	12-M20	65	40	260	18(26)	10	20	220
AK23320X4DL	320	326	10	130	316	/	56	130	163.5	12-M20	55	40	260	18(26)	10	20	220
AK23380X4C1	380	328	13	130	376	220h6	50	110	166	20-M20	70	55	300	22(34)	16	60	220
AK23380X4D	380	341.5	30	156	376	Φ176*	55	105	179	20-M20	90	55	300	22(34)	12	125	130
AK23440X4C-SY	440	370	/	156	420	/	50	145	225	20-M20	80	50	360	26(40)	12	155	130
AK23440X4D1	440	370	10	156	420	260h6	50	145	225	20-M20	80	50	360	26(40)	12	155	130

AK23300X4C、AK23320X4D、AK23380X4D进水孔为G1/4"/G3/8",AK23380X4C1、AK23440X4C-SY、AK23440X4D1进水孔为Z3/8"。

AK21 SERIES NC TURRET



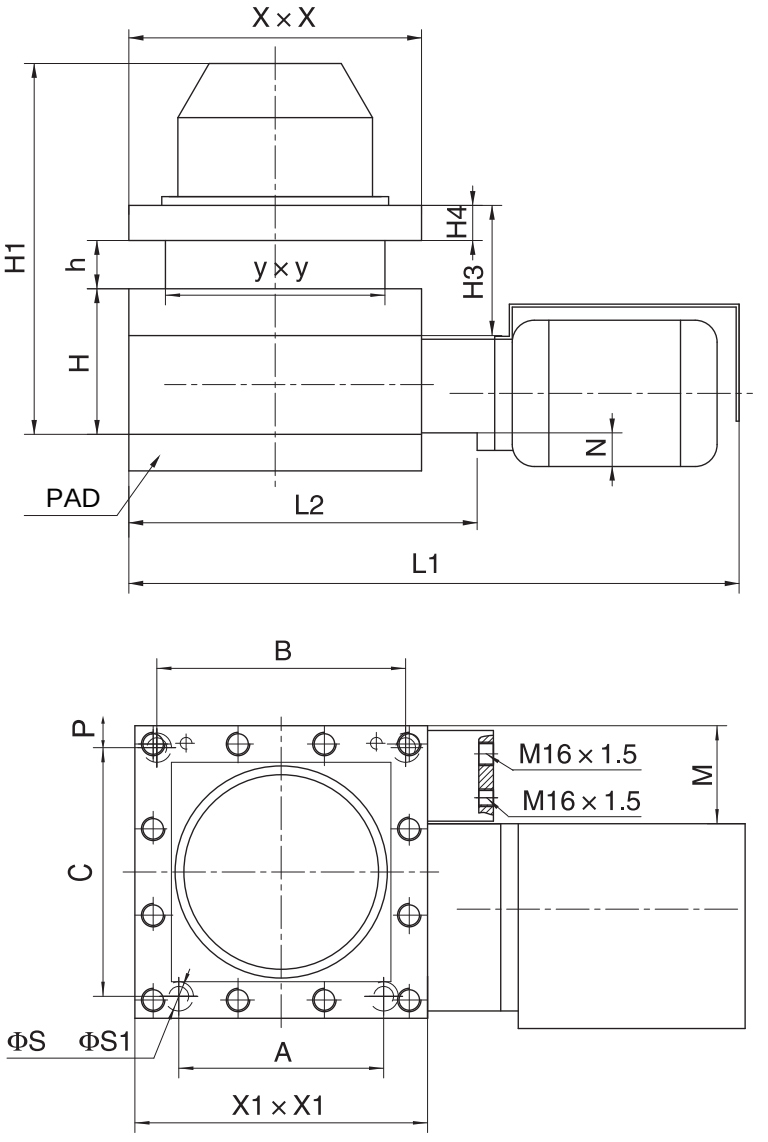
●AK21 series NC turret is an important accessory for NC. lathe and especially applicable for economic NC lathe.It is designed to hold several tools and automatically index.Thus automation and high efficiency of operational procedures can be realized.

●It utlizes a face gear coupling as indexing mechanism. Indexing sequence is mainly controlled by a positioning face gear and a HALL transducer.So it features high accuracy;reliability, compact design and easy maintenance.

MAIN SPECIFICATIONS AND PARAMETER

No.	Items	AK21240X4F	AK21300X4D
1	Dimension of turret square(mm)	240	300
2	No.of working position	4	4
3	Center height of datum plane(mm)	⩾120	140
4	Time of per position rotation(s)	2.9	3.9
5	Rotating speed(r/min)	20	15.6
6	Max.torque in horizontal(N.m)	1000	2750
7	Max.torque in vertiacl(N.m)	2500	5500
8	Repeatability	0.008	
9	G.W.(kg)	89	172
10	N.W.(kg)	74	157
11	Package size(cm)	59X39X41	73X48X46

AK21 SERIES NC TURRET



TYPE	A	B	C	L1	L2	H1	H	X	X1	y	h	S	S1	M	H3	H4	N	P
AK21240X4F	210	210	210	478	330	260	120	240	240	164	50	13.5	19	92.5	143	35	16	/
AK21300X4D	220	250	250	537	/	341	140	300	300	230	60	22	33	140	136	33	/	/