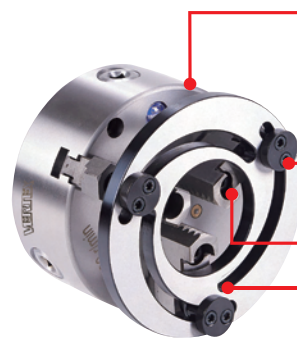




# Soft Jaw Forming Ring



The size can be adjusted against the helical slot.

Bias pin can be rotated 180 degree for different size to extend a clamping range.

Don't need to drill new hole. The hole on the soft jaws can be used directly for bias pin.

The material, is hardened and ground, can last for a long time.

## FAETURES

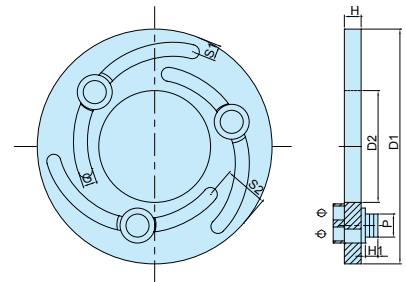
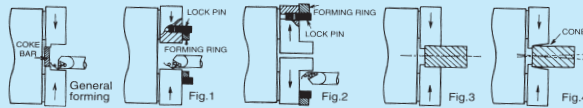
## CHUCK NOT INCLUDED

- Forming ring is available for 5", 6", 8", 10" & 12" power chuck.
- The clamping force is increasing. the roundness and vibration caused by eccentricity can be improved. The cutting accuracy is much better because of no taper hole(as fig.3) and less vibration.
- Both Clamping(as fig.1) and extension (as fig. 2) are available. Meanwhile ,the size adjusting is at will, the operation is easy and endurable.
- More improvement for used chuck to have better accuracy & strong clamping force .
- For CNC Lathe.

## INSTRUCTION

Because the forming ring is used for cutting soft jaws by clamping and with extending. through-hole could increase the accuracy of clamping work piece. (please refer to fig.1.2&3)

As fig.4 the soft jaw is created without forming ring. Cause bad accuracy. The clamping force is not stable & vibration will occur.



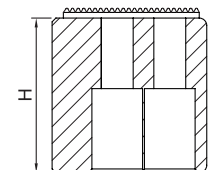
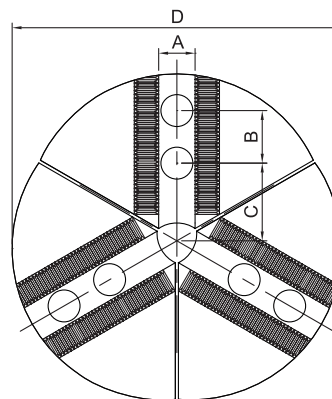
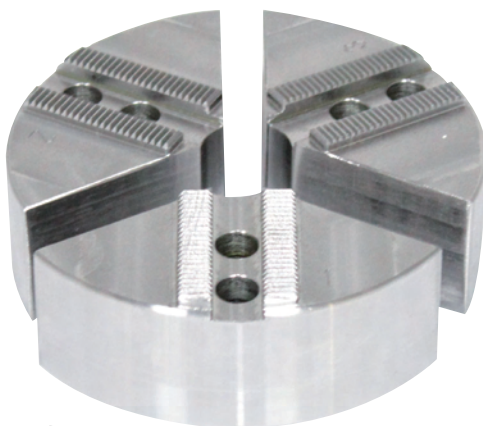
ORDER NO.	SUIT TO SK-CHUCK SIZE	H	D1	D2	S1	S2	G	H1	O	KGS	CODE NO.
VFR-05	5"	12	140	60	12	28	10	9	13.5	1	5002-360
VFR-06	6"	12	168	80	12	32	10	9	16.5	1.5	5002-361
VFR-08	8"	12	218	115	17	36	10	9	18.5	2.4	5002-362
VFR-10	10"	12	258	150	15	40	10	9	18.5	3	5002-363
VFR-12	12"	15	316	188	21	50	10	9	21.5	5	5002-364
VFR-15	15"	20	380	230	23	52	12	16	31	10.1	5002-365



# Round Disc Soft Jaw

MATERIAL : STEEL S45C

**NEW**



## FAETURES

- This type of soft jaw can cover the outerdie of workpiece to decrease deformation and increase the accuracy.
- For example : VFRD-8 can hold parts with outer dia. of 200 mm.
- Pie Jaw are suitable for extra bigger outer dia. (thin wall)
- To suit kitagawa and other famous chucks.
- Pie shspe soft jaw

Unit:mm

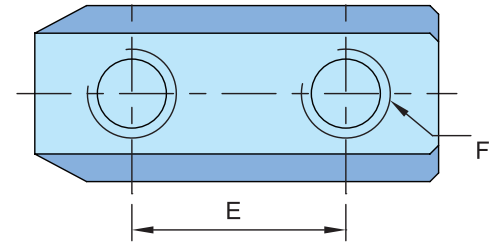
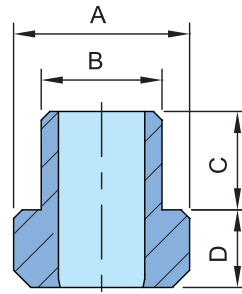
ORDER NO.	D	A	B	C	H	THREAD	THRU HOLE	SERRATION PITCH	WEIGHT (kg)	CODE NO.
VFRD-6	169	12	20	49.5	36	M10	25	1.5x60°	6.12	5002-381
VFRD-8	200	14	25	51	40	M12			9.64	5002-382
VFRD-9	200	14	25	51	50	M12			13.2	5002-383
VFRD-10	250	16	30	65	50	M12			18.1	5002-384
VFRD-12	300	21	30	81	50	M16			25.8	5002-385



# T Nut For Hydraulic Chuck



● For Japanese brand JIS & KITAGAWA



● For connect power chuck and soft jaws, suit for JAPANESE & TAIWANESE brands chuck.

## For Kitagawa B-200 Series & Taiwanese Power Chuck

ORDER NO.	CHUCK SIZE	A	B	C	D	E	F	WEIGHT (kg)	CODE NO.
B-205T	5"	14	10	9.5	5	14	M8	0.1	5002-390
B-206T	6"	17.5	12	11	7.5	20	M10	0.1	5002-391
B-208T	8"	20.5	14	12	8.5	25	M12	0.2	5002-392
B-210T	10"	22.5	16	13	8.5	30	M12	0.3	5002-393
B-212T	12"	28	21	16.5	11.5	30	M16	0.6	5002-394
B-215T	15"	33.5	22	29	16.5	43	M20		5002-395

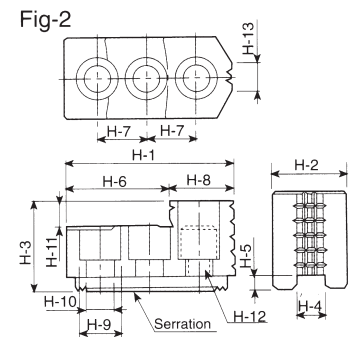
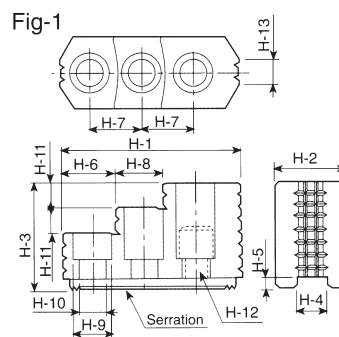


# Hard Jaws For Hydraulic Power Chucks

● For Japanese brand JIS & KITAGAWA



3PCS / SET



## DIMENSIONS

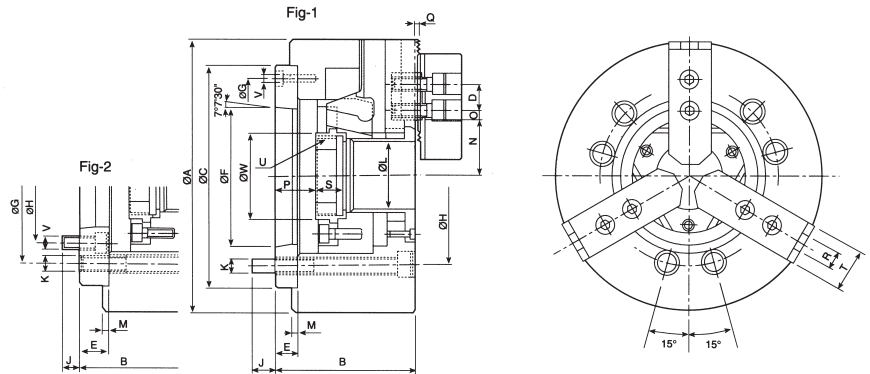
● Material : SNCM21, HRC60 ± 2°

Unit:mm

ORDER NO.	Dim	H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	H-11	H-12	H-13	Serration Pitch	Matching Chuck	3-Jaw Weight (kgs)	CODE NO.	
HJ05		53	23	27.5	10	4	30.5	14	22.5	13.5	8.5	10	M8	6	1.5x60°	Fig-2	N-205	0.4	5002-401
HJ06		67.5	31	35	12	5	39.5	20	27.5	17	11	12	M10	16	1.5x60°	Fig-2	N-206.V-206	1.0	5002-402
HJ08		86	35	51	14	5	31	25	18	19	13	12	M12	12	1.5x60°	Fig-1	N-208.V-208	1.9	5002-403
HJ10		99.5	40	54	16	5	43	30	17	19	13	13	M12	15	1.5x60°	Fig-1	N-210.V-210	2.9	5002-404
HJ12		103	50	52	21	4	62.5	30	40.5	25	17	17	M16	30	1.5x60°	Fig-2	N-212	2.65	5002-405
HJ12-1		103	50	52	18	5	62.5	30	40.5	22	15	17	M14	30	1.5x60°	Fig-2	V-212	2.7	5002-406
HJ15		149	62	86	22	8	63	43	34	32	21	20	M20	40	1.5x60°	Fig-1	N-215	9.6	5002-407
HJ15-1		149	62	86	25.5	5	63	43	34	32	21	20	M20	40	1.5x60°	Fig-1	V-215	9.5	5002-408



# 3-Jaw Wedge Type Through-hole Power Chuck (With Adaptor)



- More large bore:  
Having the largest bore in wedge type power operated chucks.
- 20% large bore:  
Approximately 20% higher speed, higher gripping force and larger bore compared with usual chucks.
- Model N-200A chucks are assembled with adaptor for ASA B5.9 type A spindles.
- Model N-200A chucks are manufactured from high grade alloy steel, All sliding surfaces are hardened and ground for accurate actual running and long service repeatability.

## SPECIFICATIONS

Dim	ORDER NO.	N-205A4	N-206A5	N-208A5	N-208A6	N-210A6	N-210A8	N-212A8	N-215A8	N-215A11
Through-Hole (mm)		ø33	ø45	ø52	ø52	ø75	ø75	ø91	ø117.5	ø117.5
Plunger Stroke (mm)		10	12	16	16	19	19	23	23	23
Jaw Stroke (mm)		5.4	5.5	7.4	7.4	8.8	8.8	10.6	10.6	10.6
Max. Draw Bar Pull Force (kgf)		1700	2200	3400	3400	4300	4300	5500	7240	7240
Max. Gripping Force (kgf)		3600	5700	8800	8800	11000	11000	14300	18355	18355
Gripping Range		Ø10~135	Ø13~169	Ø13~210	Ø13~210	Ø30~254	Ø30~254	Ø35~304	Ø35~381	Ø35~381
Max. Operating Pressure (kgf/cm)		29.6	28.5	26.5	26.5	27.5	27.5	27.5	23.5	23.5
Max. Speed (r.p.m.)		7000	6000	4900	4900	4200	4200	3300	2500	2500
Weight (kgs)		6.9	14.2	25.8	24.05	40.9	37.4	63.2	134	127
Matching Cylinder		M1036	M1246	M1552	M1552	M1875	M1875	M2091	M2511	M2511
Matching Soft Jaw		VHC05	VHC06	VHC08	VHC08	VHC10	VHC10	VHC12	VHC15	VHC15
Matching Hard Jaw		HJ05	HJ06	HJ08	HJ08	HJ10	HJ10	HJ12	HJ15	HJ15
CODE NO.		5002-080	5002-081	5002-082	5002-083	5002-084	5002-085	5002-086	5002-087	5002-088

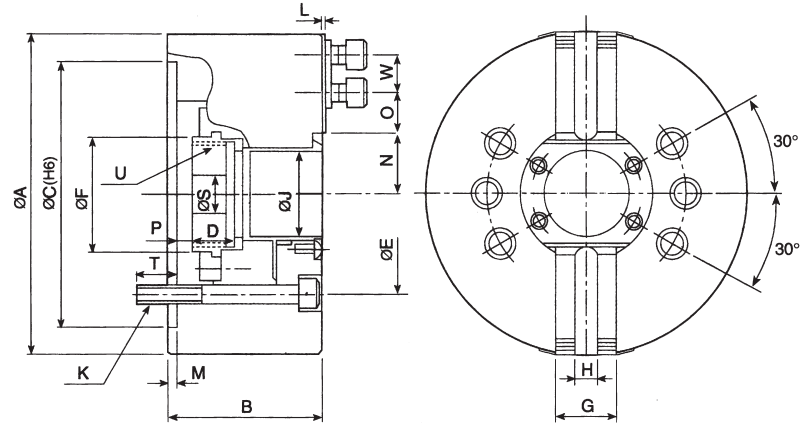
## DIMENSIONS

Unit:mm

Dim	ORDER NO.	N-205A4	N-206A5	N-208A5	N-208A6	N-210A6	N-210A8	N-212A8	N-215A8	N-215A11
A		135	169	210	210	254	254	304	381	381
B		71	91	109	103	120	113	122	160	149
G		96	116	133.35	150	171.45	190	190	235	260
D		14	20	25	25	30	30	30	43	43
E		15	15	23	17	25	18	18	33	22
F		65.513	82.563	82.563	106.375	106.375	139.719	139.719	139.719	196.869
C		110	140	170	170	220	220	220	300	300
H		82.55	104.78	104.78	133.35	133.35	171.45	171.45	171.45	235
J		15.5	16	13	18	18	24	25	24	28
K		3xM10	6xM10	6xM12	6xM12	6xM16	6xM16	6xM16	6xM20	6xM20
L		33	45	52	52	75	75	91	117.5	117.5
M		4	5	5	5	5	5	6	6	6
N max.		26.5	32	38.7	38.7	51	51	61.3	82	82
N min.		23.8	29.25	35	35	46.6	46.6	56	76.7	76.7
O max.		19.75	22.75	29.75	29.75	33.75	33.75	45.75	46.75	46.75
O min.		7.75	9.25	14.75	14.75	14.25	14.25	15.75	13.75	13.75
P max.		16	26	37.5	31.5	33.5	26.5	26	40	29
P min.		6	14	21.5	15.5	14.5	7.5	3	17	6
Q		2	2	2	2	2	2	2	5	5
R		10	12	14	14	16	16	21	24	24
S		20	19	20.5	20.5	25	25	28	43	43
T		23	32	37	37	42	42	52	62	62
U max.		M40x1.5	M55x2.0	M60x2.0	M60x2.0	M85x2.0	M85x2.0	M100x2.0	M130x2.0	M130x2.0
V		3xM6	3xM6	6xM10	3xM6	6xM12	3xM8	3xM8	6xM16	3xM10
W		45	60	66	66	94	94	108	139	139
REFER FIG.		Fig-1	Fig-1	Fig-2	Fig-1	Fig-2	Fig-1	Fig-1	Fig-2	Fig-1



# 2-Jaw Wedge Type Through-hole Power Chuck (With Adaptor)



- All sliding surfaces are hardened and ground for accurate actual running and long service repeatability. Lubrication nipple in each base jaw.
- Base jaw: 1.5mmx60° serration.
- Mounting: Adaptor mounting to fit with DIN,ISO,BS,ASA B5.9 type A spindles.

Unit:mm

Dim	ORDER NO.	NT205	NT206	NT208	NT210	NT212	NT215
Through-Hole (mm)		Ø33	Ø45	Ø52	Ø75	Ø91	Ø117.5
Plunger Stroke (mm)		10	12	16	19	23	23
Jaw Stroke (mm)		5.4	5.5	7.4	8.8	10.6	10.6
Max. Draw Bar Pull Force (kgf)		1189	1479	2294	2906	3739	4793
Max. Gripping Force (kgf)		2447	3875	5710	7546	9789	12236
Max. Speed (r.p.m.)		7000	6000	4800	4200	3300	2500
Weight (kgs)		5.9	13	22.1	33.2	61.9	115
Matching Cylinder		M1036	M1246	M1552	M1875	M2091	M2511
Max. Operating Pressure (kgf/cm <sup>2</sup> )		19.5	18.9	17.3	18.4	18.4	15.3
Matching Soft Jaw		VHC05	VHC06	VHC08	VHC10	VHC12	VHC15
Matching Hard Jaw		HJ05	HJ06	HJ08	HJ10	HJ12	HJ15
CODE NO.		5002-250	5002-251	5002-252	5002-253	5002-254	5002-255

POWER CHUCK

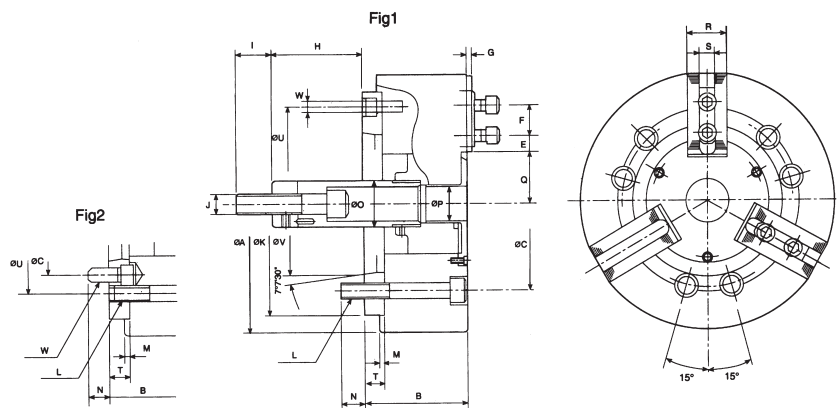
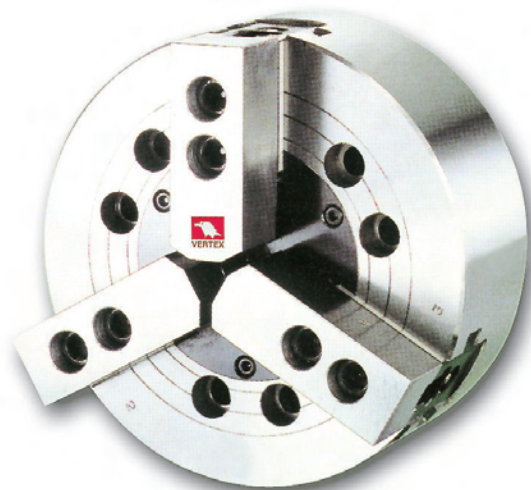
## DIMENSIONS

Unit:mm

Dim	ORDER NO.	NT205	NT206	NT208	NT210	NT212	NT215
A		135	169	210	254	304	381
B		60	81	91	100	110	133
C (H6)		110	140	170	220	220	300
D		20	19	20.5	25	28	43
E		82.55	104.78	133.35	171.45	171.45	235
M		4	5	5	5	6	6
G		23	32	37	42	52	62
H		10	12	14	16	21	24
J		33	45	52	75	91	117.5
K		3-M10	6-M10	6-M12	6-M16	6-M16	6-M20
L		2	2	2	2	2	5
F		45	60	66	94	108	139
N max.		26.5	32	38.7	51	61.3	82
N min.		23.8	29.25	35	46.6	56	76.7
O max.		19.75	22.75	29.75	33.75	45.75	46.75
O min.		7.75	9.25	14.75	14.25	15.75	13.75
P max.		1	11	14.5	8.5	8	7
P min.		-9	-1	-1.5	-10.5	-15	-16
S		12	20	30	45	50	60
T		15.5	16	20	22	23	30
U max.		M40x1.5	M55x2	M60x2	M85x2	M100x2	M130x2
W		14	20	25	30	30	43



# 3-Jaw Wedge Type Non Through-hole Power Chuck (With Adaptor)



- Direct mounting: Direct mount for VA series chucks onto short taper spindle of ASA and JIS standards.
- High performance: Similar high performance to V series.
- Chuck mounting screws: Metric or UNC socket head cap screws are supplied for bolting the chuck to the spindle.
- Alternative spindle adaptors: ASA or DIN adaptors can be supplied to fit machine spindle.

Unit:mm

Dim	ORDER NO.	V-206A5	V-208A6	V-210A6	V-210A8	V-212A8	V-215A8	V-215A11
Jaw Stroke (mm)		9.2	9.7	8.8	8.8	10.5	16	16
Plunger Stroke (mm)		20	21	25	25	30	35	35
Max. Pull Force (kgf)		1835	2549	2957	2957	4181	8362	8362
Max. Gripping Force (kgf)		5253	7548	10013	10013	15807	25391	25391
Max. Operating Pressure (kgf/cm <sup>2</sup> )		25.5	24.5	28.6	28.6	27.5	30.6	30.6
Max. Speed (r.p.m.)		5000	4000	3500	3500	3000	2800	2800
Weight (kgs)		12.5	24.4	40.65	37.15	61.75	105	103
Moment of Inertia I (kgf.m <sup>2</sup> )		0.045	0.317	0.3	0.3	0.725	1.8	1.8
Matching Cylinder		MS105 MH100	MS125 MH125	MS125 MH125	MS125 MH125	MS150 MH150	MS150 MH150	MS200 MH200
Matching Soft Jaw		VHC06	VHC08	VHC10	VHC10	VHC12-1	VHC15-1	VHC15-1
Matching Hard Jaw		HJ06	HJ08	HJ10	HJ10	HJ12-1	HJ15-1	HJ15-1
CODE NO.		5002-090	5002-091	5002-092	5002-093	5002-094	5002-095	5002-096

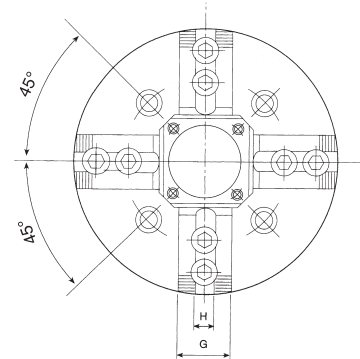
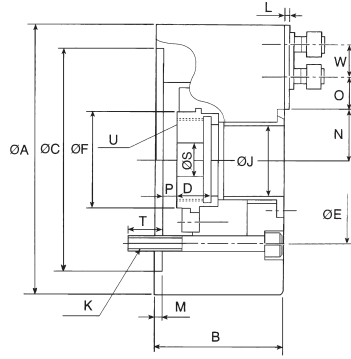
## DIMENSIONS

Unit:mm

Dim	ORDER NO.	V-206A5	V-208A5	V-208A6	V-210A6	V-210A8	V-212A8	V-215A8	V-215A11
A		165	210	210	254	254	304	381	381
B		84	103	97	109	102	118	141	130
C		104.78	104.78	133.35	133.35	171.45	171.45	171.45	235
F		20	25	25	30	30	30	43	43
K		140	170	170	220	220	220	300	300
L		6-M10	6-M12	6-M12	6-M16	6-M16	6-M16	6-M16	6-M20
M		5	5	5	5	5	6	6	6
N		14	13	18	18	25	25	24	32
P		21	21	25	34	34	34	-	-
T		15	23	17	25	18	18	33	22
V		82.563	82.563	106.375	106.375	139.719	139.719	139.719	196.869
U		116	133.35	150	171.45	190	190	235	260
E max.		15.25	22.25	22.25	30.75	30.75	48.75	50.25	50.25
E min.		9.25	11.75	11.75	11.25	11.25	12.75	23.25	23.25
G		4	5	5	5	5	5	2	2
H max.		89.6	109	115	133	140	145	71	82
H min.		69.6	88	94	108	115	115	36	47
I		36	36	36	36	36	36	55	55
J		M16x2.0	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M30x3.5	M30x3.5
O		34	38	38	45	45	50	60	60
Q max.		38.7	46.75	46.3	51.1	51.1	61	77.5	77.5
Q min.		34.1	41.9	41.9	46.7	46.7	55.75	69.5	69.5
R		31	35	35	40	40	50	50	50
S		12	14	14	16	16	18	25.5	25.5
W		3-M6	6-M10	3-M6	6-M12	6-M8	6-M8	6-M16	3-M10
REFER FIG.		Fig-1	Fig-2	Fig-1	Fig-2	Fig-1	Fig-1	Fig-2	Fig-1



# 4-Jaw Wedge Type Through Hole Power Chuck (With Adaptor)



## DIMENSIONS

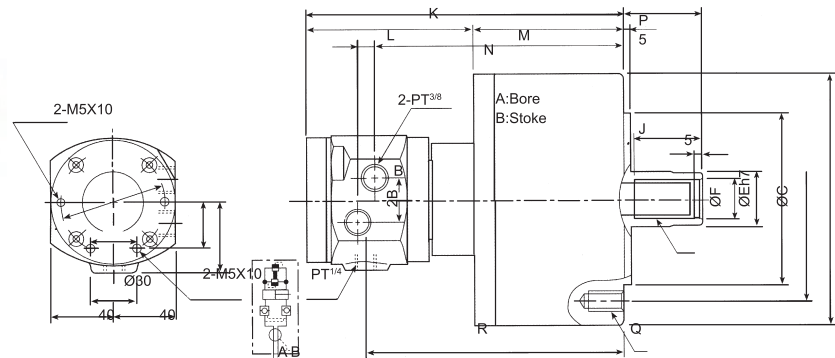
ORDER NO.	A	B	C (H6)	D	E	M	G	H	J	K	L	F	N Max.	N Min.	O Max.	O Min.	P Max.	P Min.	S	T	U	W
VNIT-208	210	91	170	20.5	133.35	5	37	14	52	4-M12	2	66	38.7	35	29.75	14.75	14.5	1.5	30	20	M60x2	25
VNIT-210	254	100	220	25	171.45	5	42	16	75	4-M16	2	94	51	46.6	33.75	14.75	8.5	-10.5	45	22	M85x2	30
VNIT-212	304	110	220	28	171.45	6	52	21	91	4-M16	2	108	61.3	56	45.75	15.75	8	-15	50	23	M100x2	30
VNIT-215	381	133	300	43	235	6	62	24	117.5	4-M20	5	139	82	76.7	46.75	13.75	7	-16	60	30	M130x2	43

## SPECIFICATIONS

ORDER NO.	Through-Hole (mm)	Plunger Stroke (mm)	Jaw Stroke (mm)	Max. Draw Bar Pull Force (kgf)	Max. Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kgs)	Matching Cylinder	Max. Operating Pressure (kgf/cm <sup>2</sup> )	CODE NO.
VNIT-208	Ø52	16	7.4	2294	5716	4900	24	M1552	17.3	5003-050
VNIT-210	Ø75	19	8.8	2906	7546	4200	36	M1875	18.4	5003-051
VNIT-212	Ø91	23	10.6	3739	9789	3300	58.5	M2091	18.4	5003-052
VNIT-215	Ø117.5	23	10.6	6828	12236	2500	114	M2511	15.3	5003-053



# Non Through Hole Rotary Hydraulic Cylinder (With Valves)



## DIMENSIONS

ORDER NO.	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	Dim G	Dim H	Dim J	Dim K	Dim L	Dim M	Dim N	P Max.	P Min.	Dim Q	Dim R	CODE NO.
MS105	105	20	135	100	80	30	21	M20x2.5	35	197	108	89	152	45	25	6-M10x20	158	5003-030
MS125	125	25	160	130	110	35	25	M24x3.0	44	205	108	97	160	51	26	6-M12x24	166	5003-031
MS150	150	30	190	130	110	45	31	M30x3.5	45	214	108	106	169	56	26	12-M12x24	175	5003-032
MS200	200	35	245	145	120	55	37	M36x4.0	60	228	108	122	183	69	34	12-M16x30	189	5003-033

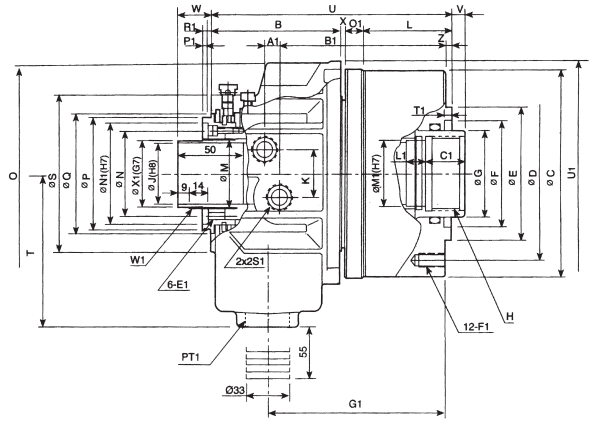
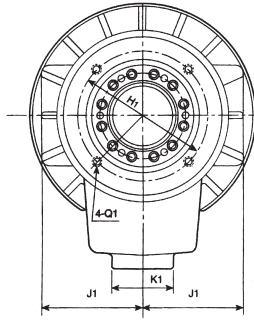
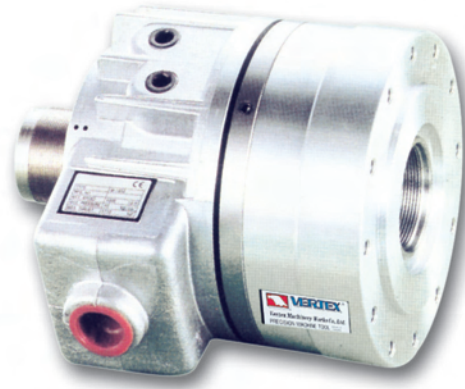
## SPECIFICATIONS

ORDER NO.	Dim	Piston Area		Max. Draw Bar Pull Side KN (kgf)	Piston Stroke (mm)	Max. Speed (r.p.m.)	Max. Operating Pressure (kgf/cm <sup>2</sup> )	Total Leakage (l/min)	Moment Inertia I (kgf.m <sup>2</sup> )	Weight (kgs)
		Push Side (cm <sup>2</sup> )	Pull Side (cm <sup>2</sup> )							
MS105		86	79	29(2957)	20	6000	4.0(40.8)	0.8	0.0125	7.1
MS125		122	113	42(4283)	25	6000	4.0(40.8)	0.8	0.0225	10
MS150		176	160	60(6118)	30	5500	4.0(40.8)	0.8	0.0475	13.5
MS200		314	290	108(11013)	35	5500	4.0(40.8)	0.8	0.0975	22

HYDRAULIC CYLINDER



# Super High Speed Through Hole Rotary Hydraulic Cylinder



- Small-sized light weight:  
Comparing with the traditional product, it is small-sized (reduced to MAX 95mm) and a light weight (weighted MAX 4.5kgs). Make its capacity more stable to reduce the burden of the machinery at high speed turning.
- The most largest bore:  
Comparing with the old product, it has about 20% more bore full diameter for utilizing the capacity of machinery.
- The safety mechanism:  
It can retain the gripping force with a check valve.

## SPECIFICATIONS

ORDER NO.	Dim Piston Dia. (mm)	Piston Area		Piston Stroke (mm)	Max. Draw Bar Pull Force		Max. Operating Pressure (kgf/cm <sup>2</sup> )	Max. Speed (r.p.m.)	Moment Inertia (kgf.m <sup>2</sup> )	Weight (kgs)	Total Leakage (l/min)	CODE NO.
		Push Side (cm <sup>2</sup> )	Pull Side (cm <sup>2</sup> )		Push Side KN (kgs)	Pull Side KN (kgs)						
M1036	105	71	68.5	15	24.8(2529)	24(2447)	40.8	8000	0.011	8.6	3.0	5003-001
M1236	125	100	89	15	38(3875)	33(3365)	40.8	7000	0.019	13.0	3.0	5003-002
M1246	125	100	89	15	38(3875)	33(3365)	40.8	7000	0.019	12.0	3.0	5003-003
M1546	155	161	150	22	60(6118)	56(5710)	40.8	6200	0.052	18	3.9	5003-004
M1552	155	161	150	22	60(6118)	56(5710)	40.8	6200	0.052	16.8	3.9	5003-005
M1868	180	198	183	25	75(7546)	69(7036)	40.8	4700	0.095	28.0	4.2	5003-006
M1875	180	198	183	25	75(7546)	69(7036)	40.8	4700	0.095	26.0	4.2	5003-007
M2091	205	252	234	30	94(9585)	88(8973)	40.8	3800	0.15	37.0	4.5	5003-008
M2511	250	348	336	23	124(12644)	120(12236)	40.8	2800	0.45	57	7.0	5003-009

## DIMENSIONS

ORDER NO.	Dim																				
	C1	E1	F1	G1	H1	J1	K1	L1	M1	N1	O1	P1	Q1	R1	S1	T1	U1	W1	X1	B	C
M1036	25	M5x0.8	M10x1.5	126	88	68	53	15	38	64	14	4	M5x0.8	4	PT3/8"	6	136	M44x1.5	42	101	136
M1236	30	M6x1.0	M10x1.5	135	98	76	47	15	38	76	14	4	M5x0.8	6	PT1/2"	6	169	M52x1.5	50	99	154.5
M1246	30	M6x1.0	M10x1.5	135	98	76	47	15	50	76	14	4	M5x0.8	6	PT1/2"	6	169	M52x1.5	50	99	154.5
M1546	30	M6x1.0	M10x1.5	145	110	86	47	15	50	85	14	4	M6x1.0	7	PT1/2"	6	187.5	M58x1.5	56	103	190
M1552	30	M6x1.0	M10x1.5	145	110	86	47	15	55	85	14	4	M6x1.0	7	PT1/2"	6	187.5	M58x1.5	56	103	190
M1868	35	M6x1.0	M10x1.5	166.5	155	101	47	15	70	108	16	4	M6x1.0	7	PT1/2"	6	220	M84x2	81	126	215
M1875	35	M6x1.0	M10x1.5	166.5	155	101	47	15	80	108	16	4	M6x1.0	7	PT1/2"	6	220	M84x2	81	126	215
M2091	35	M6x1.0	M12x1.75	183	165	110	47	15	95	120	16	4	M6x1.0	7	PT1/2"	6	267	M99x2	96	141	240
M2511	45	M6x1.0	M16x2.0	197	206	129	55	20	123	160	18	4	M6x1.0	7	PT1/2"	6	294		134.6	186	310

ORDER NO.	Dim																							
	D	E	F	G	H	J	K	L	M	N	O	P	Q	S	T	U	V max	V mix	W max	W mix	X	Z	A1	B1
M1036	115	100	65	48	M42x1.5	36	32	62	44.6	54	126	73	80	104	115	179.5	10	-5	39	24	2.5	5	11	120.5
M1236	130	100	80	65	M42x1.5	36	36	67	52.6	64	166	85	90	118	114	184	10	-5	40	25	4	5	11	126.5
M1246	130	100	80	65	M55x2	46	36	67	52.6	64	166	85	90	118	114	184	10	-5	40	25	4	5	11	126.5
M1546	170	130	85	70	M55x2	46	36	75	59.6	73	184	96	102	137	130	196	17	-5	47	25	4	5	11	136
M1552	170	130	85	70	M60x2	52	36	75	59.6	73	184	96	102	137	130	196	17	-5	47	25	4	5	11	136
M1868	190	160	120	95	M75x2	68	36	84	84.6	98	215	121	131	166	160	230	20	-5	50	25	4	5	17.5	153.5
M1875	190	160	120	95	M85x2	75	36	84	84.6	98	215	121	131	166	160	230	20	-5	50	25	4	5	17.5	153.5
M2091	215	180	140	110	M100x2	91	36	93	99.6	108	264	138	148	182	185	253	25	-5	55	25	3	5	21	168
M2511	275	230	166	140	M130x2	117.5	36	89	134.6	148	362	178		232	215	296	18	-5	38	15	3	6	27	184.5



# Lathe Collet Chucks



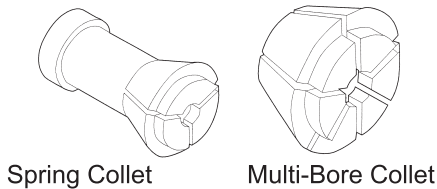
**NEW**



Lathe Collets  
Please See E29

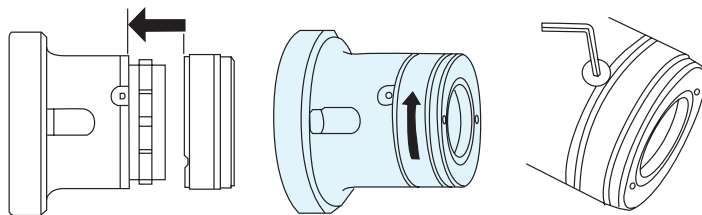
Please use  
DIN6343 collets

collet illustration



Spring Collet

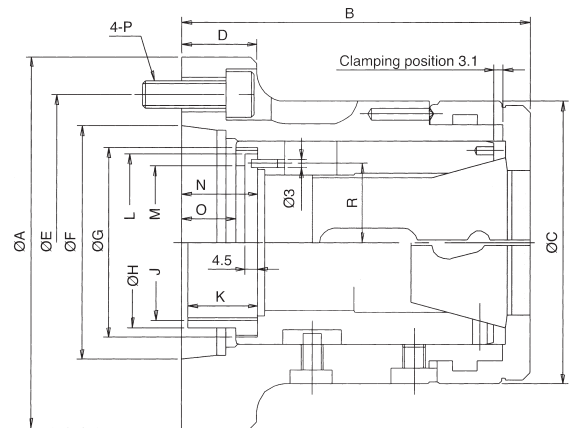
Multi-Bore Collet



Push the cover

Turn the cover

Tighten the cover anti rotation screws



## Holding Range

CHUCK NO.	MULTIBORE			SPRING COLLET				
	CAT NO.	○	◇	□	CAT NO.	○	◇	□
CR42	M-673	42	36	30	173E/4728	42	36	30
CR60	M-677	60	52	42	185E/4291	60	52	42

## DIMENSIONS

ORDER NO.	A	B	C	D	E	F	G	H	J Max.	K	L	M	N	O	P	R
CR42A5	135	124	100	27	104.78	82.563	M66xP1.5	60	M55xP20	25	62.5	54	27.4	19.4	M10	28
CR42A6	170	124	100	32	133.35	106.375	M66xP1.5	66	M60xP20	25	62.5	54	27.4	19.4	M12	28
CR60A6	170	145	130	27	133.35	106.375	M90xP1.5	67.5	M60xP20	30	83	77	29.9	21.9	M12	39.5

## SPECIFICATIONS

ORDER NO.	Diameter of Shanlt	Material Diameter (mm)	Collet Travel Distance (mm)	Weight (kgs)	Maximum Bearing KN (kgf)	Maximum Holding Power KN (kgf)	Maximum Speed (r.p.m.)	CODE NO.
CR42A5	A2-5	42	7	6.2	25(2549)	55(5608)	6,000	5003-040
CR42A6	A2-6	42	7	8.2	25(2549)	55(5608)	6,000	5003-041
CR60A6	A2-6	60	7	13	33(3365)	59(6016)	5,000	5003-042

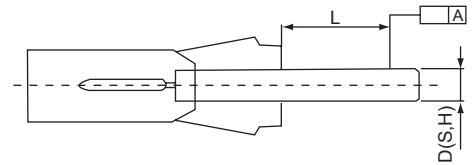
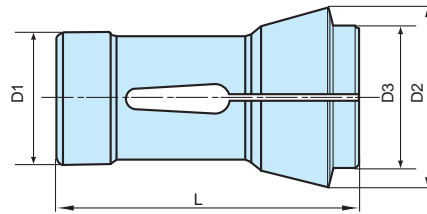




# Lathe Collet



## DIN6343



Test Bar	D (S,H)	L (mm)	A	
			Class 1	Class 2
0.2~1.0		3	0.015	0.015
1.0~1.6		6		0.020
1.6~3.0		10		
3.0~6.0		16		
6.0~10.0		25	0.020	0.030
10.0~18.0		40		
18.0~24.0		50		
24.0~30.0		60	0.030	0.040
30.0~50.0		80		
50.0~60.0		100		

## DIN6343

COLLET TYPE	STANDARD NO.	D1 (mm)	D2 (mm)	D3 (mm)	L (mm)	KONUSWINKEL SPINDLE CONE ANGLE	COLLET RANGE(mm)		
							○	⬡	□
C-26	161E	32	45	34	75	15°	Ø3-Ø26	Ø6-Ø22	Ø5-Ø18
C-36	171E	42	55	42	94	15°	Ø36	Ø32	Ø26
C-42	173E	48	60	50	94	15°	Ø3-Ø42	Ø6-Ø36	Ø5-Ø30
C-52	177E	58	70	60	94	15°	Ø52	Ø45	Ø36
C-60	185E	66	84	73	110	15°	Ø3-Ø60	Ø6-Ø50	Ø5-Ø40
C-80	193E	90	107	92	130	15°	Ø3-Ø80	Ø6-Ø70	Ø5-Ø57

## CONE SIZE

C80: Hex./Square shape order to make.

## ROUND SHAPE / METRIC

## METRIC SIZE

C26-DØ		C42-DØ		C60-DØ		C80-DØ	
ORDER NO.	CODE NO.	ORDER NO.	CODE NO.	ORDER NO.	CODE NO.	ORDER NO.	CODE NO.
C26-D6	5003-101	C42-D6	5003-131	C60-D8	5003-171	C80-D18	5003-211
C26-D8	5003-102	C42-D8	5003-132	C60-D9	5003-172	C80-D20	5003-212
C26-D9	5003-103	C42-D9	5003-133	C60-D10	5003-173	C80-D25	5003-213
C26-D10	5003-104	C42-D10	5003-134	C60-D11	5003-174	C80-D28	5003-214
C26-D11	5003-105	C42-D11	5003-135	C60-D12	5003-175	C80-D30	5003-215
C26-D12	5003-106	C42-D12	5003-136	C60-D13	5003-176	C80-D32	5003-216
C26-D13	5003-107	C42-D13	5003-137	C60-D14	5003-177	C80-D35	5003-217
C26-D14	5003-108	C42-D14	5003-138	C60-D15	5003-178	C80-D38	5003-218
C26-D15	5003-109	C42-D15	5003-139	C60-D16	5003-179	C80-D40	5003-219
C26-D16	5003-110	C42-D16	5003-140	C60-D17	5003-180	C80-D42	5003-220
C26-D17	5003-111	C42-D17	5003-141	C60-D18	5003-181	C80-D45	5003-221
C26-D18	5003-112	C42-D18	5003-142	C60-D19	5003-182	C80-D48	5003-222
C26-D19	5003-113	C42-D19	5003-143	C60-D20	5003-183	C80-D50	5003-223
C26-D20	5003-114	C42-D20	5003-144	C60-D21	5003-184	C80-D52	5003-224
C26-D21	5003-115	C42-D21	5003-145	C60-D22	5003-185		
C26-D22	5003-116	C42-D22	5003-146	C60-D23	5003-186		
C26-D23	5003-117	C42-D23	5003-147	C60-D24	5003-187		
C26-D24	5003-118	C42-D24	5003-148	C60-D25	5003-188		
C26-D25	5003-119	C42-D25	5003-149	C60-D27	5003-189		
		C42-D27	5003-150	C60-D28	5003-190		
		C42-D28	5003-151	C60-D30	5003-191		
		C42-D30	5003-152	C60-D32	5003-192		
		C42-D32	5003-153	C60-D34	5003-193		
		C42-D34	5003-154	C60-D36	5003-194		
		C42-D36	5003-155	C60-D38	5003-195		
		C42-D38	5003-156	C60-D40	5003-196		
		C42-D40	5003-157	C60-D42	5003-197		
		C42-D42	5003-158	C60-D45	5003-198		
				C60-D47	5003-199		
				C60-D48	5003-200		
				C60-D50	5003-201		



HEX. SHAPE / METRIC		METRIC SIZE			
C26-H		C42-H		C60-H	
ORDER NO.	CODE NO.	ORDER NO.	CODE NO.	ORDER NO.	CODE NO.
C26-H8	5003-241	C42-H8	5003-261	C60-H8	5003-281
C26-H10	5003-242	C42-H10	5003-262	C60-H10	5003-282
C26-H12	5003-243	C42-H12	5003-263	C60-H12	5003-283
C26-H13	5003-244	C42-H13	5003-264	C60-H13	5003-284
C26-H15	5003-245	C42-H15	5003-265	C60-H15	5003-285
C26-H16	5003-246	C42-H16	5003-266	C60-H16	5003-286
C26-H17	5003-247	C42-H17	5003-267	C60-H17	5003-287
C26-H19	5003-248	C42-H19	5003-268	C60-H19	5003-288
C26-H20	5003-249	C42-H20	5003-269	C60-H20	5003-289
C26-H21	5003-250	C42-H21	5003-270	C60-H21	5003-290
		C42-H22	5003-271	C60-H22	5003-291
		C42-H24	5003-272	C60-H24	5003-292
		C42-H25	5003-273	C60-H25	5003-293
		C42-H27	5003-274	C60-H27	5003-294
		C42-H30	5003-275	C60-H30	5003-295

**DIN6343**

COLLET TYPE	STANDARD NO.
C-26	161E
C-42	173E
C-60	185E
C-80	193E

ROUND SHAPE / INCH		INCH SIZE					
C26-DØ		C42-DØ		C60-DØ		C80-Ø	
ORDER NO.	CODE NO.	ORDER NO.	CODE NO.	ORDER NO.	CODE NO.	ORDER NO.	CODE NO.
C26-D <sup>1</sup> / <sub>4</sub> "	5003-301	C42-D <sup>1</sup> / <sub>4</sub> "	5003-321	C60-D <sup>3</sup> / <sub>8</sub> "	5003-351	C80-D <sup>3</sup> / <sub>4</sub> "	5003-381
C26-D <sup>3</sup> / <sub>8</sub> "	5003-302	C42-D <sup>3</sup> / <sub>8</sub> "	5003-322	C60-D <sup>1</sup> / <sub>2</sub> "	5003-352	C80-D <sup>7</sup> / <sub>8</sub> "	5003-382
C26-D <sup>1</sup> / <sub>2</sub> "	5003-303	C42-D <sup>1</sup> / <sub>2</sub> "	5003-323	C60-D <sup>5</sup> / <sub>8</sub> "	5003-353	C80-D <sup>1</sup> "	5003-383
C26-D <sup>5</sup> / <sub>8</sub> "	5003-304	C42-D <sup>5</sup> / <sub>8</sub> "	5003-324	C60-D <sup>3</sup> / <sub>4</sub> "	5003-354	C80-D <sup>1</sup> / <sub>8</sub> "	5003-384
C26-D <sup>3</sup> / <sub>4</sub> "	5003-305	C42-D <sup>3</sup> / <sub>4</sub> "	5003-325	C60-D <sup>7</sup> / <sub>8</sub> "	5003-355	C80-D <sup>1</sup> / <sub>4</sub> "	5003-385
C26-D <sup>7</sup> / <sub>8</sub> "	5003-306	C42-D <sup>7</sup> / <sub>8</sub> "	5003-326	C60-D <sup>1</sup> "	5003-356	C80-D <sup>1</sup> / <sub>8</sub> "	5003-386
C26-D <sup>1</sup> "	5003-307	C42-D <sup>1</sup> "	5003-327	C60-D <sup>1</sup> / <sub>8</sub> "	5003-357	C80-D <sup>1</sup> / <sub>2</sub> "	5003-387
		C42-D <sup>1</sup> / <sub>8</sub> "	5003-328	C60-D <sup>1</sup> / <sub>4</sub> "	5003-358	C80-D <sup>1</sup> / <sub>8</sub> "	5003-388
		C42-D <sup>1</sup> / <sub>4</sub> "	5003-329	C60-D <sup>3</sup> / <sub>8</sub> "	5003-359	C80-D <sup>1</sup> / <sub>4</sub> "	5003-389
		C42-D <sup>3</sup> / <sub>8</sub> "	5003-330	C60-D <sup>1</sup> / <sub>2</sub> "	5003-360	C80-D <sup>1</sup> / <sub>8</sub> "	5003-390
		C42-D <sup>1</sup> / <sub>2</sub> "	5003-331	C60-D <sup>5</sup> / <sub>8</sub> "	5003-361	C80-D <sup>2</sup> "	5003-391
		C42-D <sup>5</sup> / <sub>8</sub> "	5003-332	C60-D <sup>3</sup> / <sub>4</sub> "	5003-362	C80-D <sup>2</sup> / <sub>8</sub> "	5003-392
				C60-D <sup>7</sup> / <sub>8</sub> "	5003-363	C80-D <sup>2</sup> / <sub>4</sub> "	5003-393
				C60-D <sup>2</sup> "	5003-364	C80-D <sup>2</sup> / <sub>8</sub> "	5003-394
						C80-D <sup>2</sup> / <sub>2</sub> "	5003-395
						C80-D <sup>5</sup> / <sub>8</sub> "	5003-396
						C80-D <sup>2</sup> / <sub>8</sub> "	5003-397
						C80-D <sup>3</sup> "	5003-398

LATHE COLLET

HEX. SHAPE / INCH		INCH SIZE			
C26-H		C42-H		C60-H	
ORDER NO.	CODE NO.	ORDER NO.	CODE NO.	ORDER NO.	CODE NO.
C26-H <sup>1</sup> / <sub>4</sub> "	5003-411	C42-H <sup>3</sup> / <sub>8</sub> "	5003-431	C60-H <sup>3</sup> / <sub>8</sub> "	5003-451
C26-H <sup>3</sup> / <sub>8</sub> "	5003-412	C42-H <sup>1</sup> / <sub>2</sub> "	5003-432	C60-H <sup>1</sup> / <sub>2</sub> "	5003-452
C26-H <sup>1</sup> / <sub>2</sub> "	5003-413	C42-H <sup>5</sup> / <sub>8</sub> "	5003-433	C60-H <sup>5</sup> / <sub>8</sub> "	5003-453
C26-H <sup>5</sup> / <sub>8</sub> "	5003-414	C42-H <sup>3</sup> / <sub>4</sub> "	5003-434	C60-H <sup>3</sup> / <sub>4</sub> "	5003-454
C26-H <sup>3</sup> / <sub>4</sub> "	5003-415	C42-H <sup>7</sup> / <sub>8</sub> "	5003-435	C60-H <sup>7</sup> / <sub>8</sub> "	5003-455
C26-H <sup>7</sup> / <sub>8</sub> "	5003-416	C42-H <sup>1</sup> "	5003-436	C60-H <sup>1</sup> "	5003-456
		C42-H <sup>1</sup> / <sub>8</sub> "	5003-437	C60-H <sup>1</sup> / <sub>8</sub> "	5003-457
		C42-H <sup>1</sup> / <sub>4</sub> "	5003-438	C60-H <sup>1</sup> / <sub>4</sub> "	5003-458
				C60-H <sup>3</sup> / <sub>8</sub> "	5003-459



SQUARE SHAPE / INCH		INCH SIZE			
C26-S		C42-S		C60-S	
ORDER NO.	CODE NO.	ORDER NO.	CODE NO.	ORDER NO.	CODE NO.
C26-S <sup>1</sup> / <sub>4</sub> "	5003-471	C42-S <sup>3</sup> / <sub>8</sub> "	5003-491	C60-S <sup>3</sup> / <sub>8</sub> "	5003-501
C26-S <sup>3</sup> / <sub>8</sub> "	5003-472	C42-S <sup>1</sup> / <sub>2</sub> "	5003-492	C60-S <sup>1</sup> / <sub>2</sub> "	5003-502
C26-S <sup>1</sup> / <sub>2</sub> "	5003-473	C42-S <sup>5</sup> / <sub>8</sub> "	5003-493	C60-S <sup>5</sup> / <sub>8</sub> "	5003-503
C26-S <sup>5</sup> / <sub>8</sub> "	5003-474	C42-S <sup>3</sup> / <sub>4</sub> "	5003-494	C60-S <sup>3</sup> / <sub>4</sub> "	5003-504
		C42-S <sup>7</sup> / <sub>8</sub> "	5003-495	C60-S <sup>7</sup> / <sub>8</sub> "	5003-505
				C60-S <sup>1</sup> "	5003-506
				C60-S <sup>1</sup> / <sub>8</sub> "	5003-507

