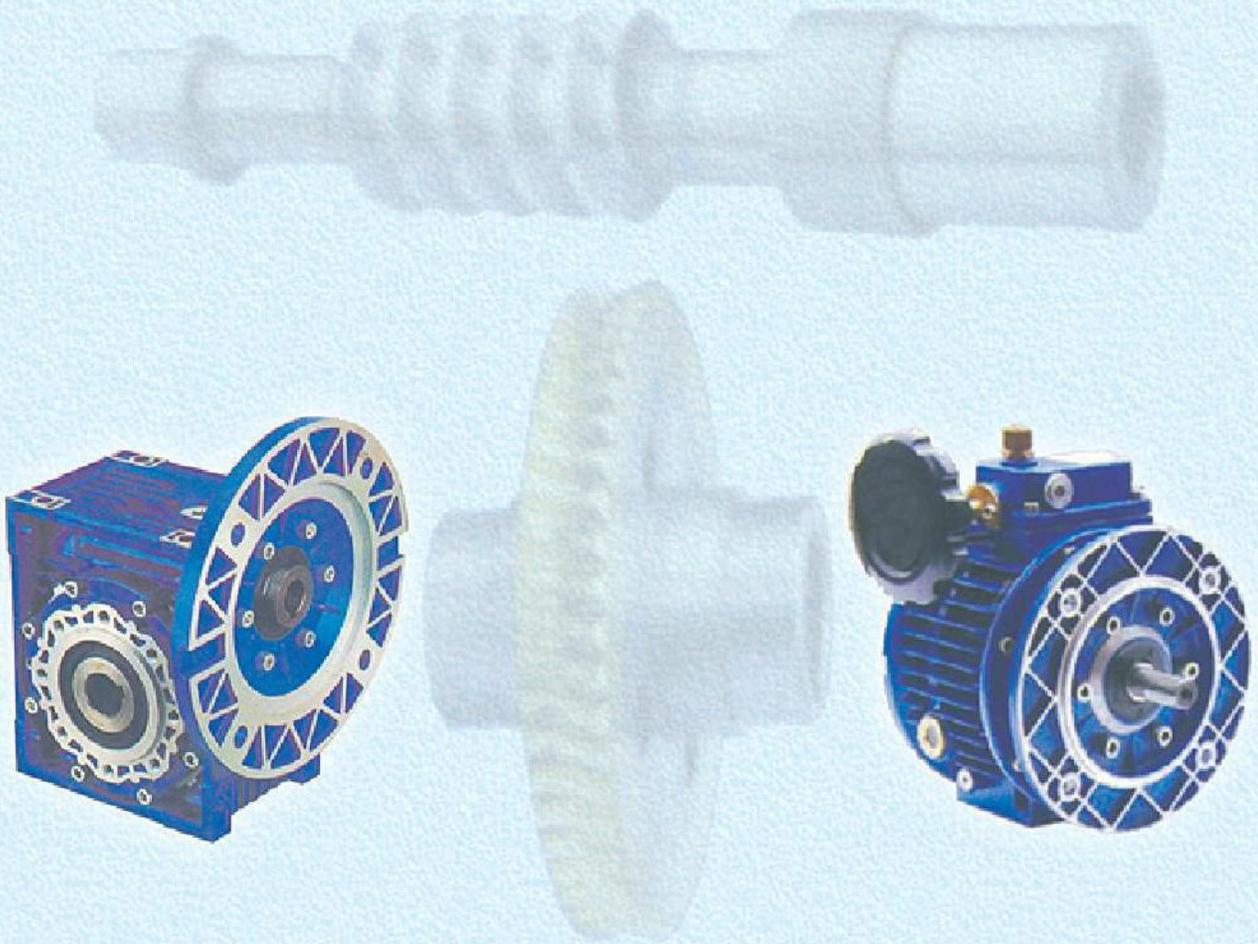




# **TRISONS**

## **MECHANICAL SPEED DRIVES**



**Mechanical Variable Speed Drives Suitable for Wide Range of Industries Such as :**  
CABLE, CEMENT, COAL, FOOD, LEATHER, MACHINE TOOLS, PAPER,  
PHARMACEUTICAL, PLASTIC, POLYMER, PRINTING, PUMP, RAYON, RUBBER, TEXTILE,  
TOBACCO, WIRE, GLASS, SPECIALLY FOR CERAMICS GLAZE TILES INDUSTRIES  
& MANY OTHER INDUSTRIES



The Company has excellent technological strengths and advanced production facilities and processes. It is capable of undertaking the full range of services from transmission system designs, productions to after-sales service. The company is also committed to product reliability, durability and efficiency. The transmission package designed by the company is used in the food, leather, textile, glass, pottery, medical, chemical, cable, cement, coal, machine tools, paper, plastic, polymer, printing, pump, rayon, rubber, tobacco, wire, specially for ceramics glaze tiles industries and light industries and other machinery facilities; it is especially suitable for all types of automation line transmission.



We endeavour to earn accolades from our users and agencies through adequate supplies, quality assurances, competitive pricing and doorstep delivery based on order quantity and being an agency for overseas shipments. We aim to draw alongside the best in the industry within the county and to import advanced foreign technologies in order to enhance our Company's local and overseas competitiveness.

The company's current and future development principles hinges on the best talents, technologies, products, services, remunerations, management and company culture. Better than the best is our goal.

## General Features

NSS series of worm geared motor that our company produce include NMRV and NRV.

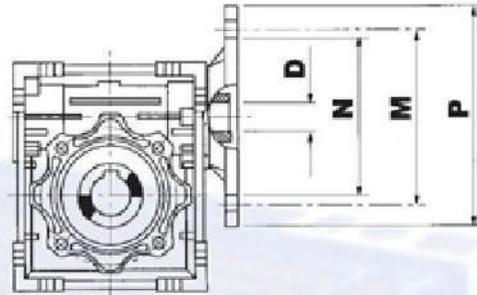
Their performance features :

- Excellent performance, simply structure, small cubage and high efficiency;
- Easy to mount and maintain;
- Wide output Reduction ratio, large torque and good capability of enduring overloads;
- Running stably, low noise and wearing well;
- Wide applicability and enough and safe dependability.





## MOTOR MOUNTING DIMENSIONS HOLLOW INPUT



Model	Frame	KW	N	M	P	I (RATIO)										
						7.5	10	15	20	25	30	40	50	60	80	100
						D (SHAFT DIA)										
25	56B14	0.06/0.09	50	65	80	9	9	9	9	9	9	9	9	9	-	-
	63B5	0.12/0.18	95	115	140	11	11	11	11	11	11	11	11	-	-	-
63B14	60		75	90												
30	56B5	0.06/0.09	80	100	120	9	9	9	9	9	9	9	9	9	9	-
	56B14		50	65	80											
	71B5	0.25/0.37	110	130	160	14	14	14	14	14	14	14	-	-	-	-
	71B14		70	85	105											
40	63B5	0.12/0.18	95	115	140	11	11	11	11	11	11	11	11	11	11	11
	63B14		60	75	90											
	56B5	0.06/0.09	80	100	120	-	-	-	-	-	-	-	9	9	9	9
	80B5		130	165	200											
50	80B14	0.55/0.75	80	100	120	19	19	19	19	19	19	-	-	-	-	-
	71B5		0.25/0.37	110	130	160	14	14	14	14	14	14	14	14	14	-
	71B14	70		85	105											
	63B5	0.12/0.18	95	115	140	-	-	-	-	-	-	11	11	11	11	11
90B5	1.1/1.5		130	165	200	24	24	24	24	24	24	-	-	-	-	-
90B14		95	115	140												
63	80B5	0.55/0.75	130	165	200	19	19	19	19	19	19	19	19	19	-	-
	80B14		80	100	120											
	71B5	0.25/0.37	110	130	160	-	-	-	-	-	-	14	14	14	14	14
	71B14		70	85	105											
75	100/112B5	2.2/4	180	215	250	28	28	28	-	-	-	-	-	-	-	-
	100/112B14		110	130	160											
	90B5	1.1/1.5	130	165	200	24	24	24	24	24	24	24	-	-	-	-
	90B14		95	115	140											
	80B5	0.55/0.75	130	165	200	-	-	-	-	19	19	19	19	19	19	19
	80B14		80	100	120											
71B5	0.25/0.37	110	130	160	-	-	-	-	-	-	-	14	14	14	14	
100/112B5		2.2/4	180	215	250	28	28	28	28	28	28	-	-	-	-	-
100/112B14	110		130	160												
90	90B5	1.1/1.5	130	165	200	24	24	24	24	24	24	24	24	24	-	-
	90B14		95	115	140											
	80B5	0.55/0.75	130	165	200	-	-	-	-	-	19	19	19	19	19	19
	80B14		80	100	120											
110	132B5	5.5/7.5	230	265	300	38	38	38	38	-	-	-	-	-	-	-
	100/112B5	2.2/4	180	215	250	28	28	28	28	28	28	28	28	28	-	-
	90B5	1.1/1.5	130	165	200	-	-	-	-	24	24	24	24	24	24	24
	80B5	0.55/0.75	130	165	200	-	-	-	-	-	-	-	-	-	19	19
130	132B5	5.5/7.5	230	265	300	38	38	38	38	38	38	38	-	-	-	-
	100/112B5	2.2/4	180	215	250	-	-	-	-	28	28	28	28	28	28	28
	90B5	1.1/1.5	130	165	200	-	-	-	-	-	-	-	-	-	24	24



## SELECTION TABLE FOR NSS GEAR BOX INPUT SPEED - 1400 r/min.



Input	Size	i	$n_2(r/min)$	$M_2(N-m)$
0.06 Kw 0.08 Hp 4 Poles	25	7.5	186	2.6
	30	7.5	185	2.6
	25	10	140	3.4
	30	10	140	3.4
	25	15	93	4.9
	30	15	93	4.7
	25	20	70	6.1
	30	20	70	6
	30	25	56	7
	25	30	47	8.2
	30	30	47	8
	25	40	35	10.2
	30	40	35	9.7
	25	50	28	11
	30	50	28	11.3
	0.09 Kw 0.12 Hp 4 Poles	40	50	28
25		60	23	11
30		60	23	12.5
40		60	23	14.2
30		80	18	12.5
40		80	18	17
40		100	14	19.2
25		7.5	186	3.9
30		7.5	186	3.9
25		10	140	5.1
30		10	140	5
25		15	93	7.3
30		15	93	7.1
25		20	70	9.2
30		20	70	9
30		25	56	10.4
25	30	47	12.3	
30	30	47	12	
25	40	35	13	
30	40	35	14.5	
30	50	28	16.9	
40	50	28	19	
30	60	23	16.9	
40	60	23	21.4	
40	80	18	25.5	
40	100	14	28.9	
0.12 Kw 0.16 Hp 4 Poles	30	7.5	187	5.2
	40	7.5	187	5.3
	30	10	140	6.7
	40	10	140	7
	30	15	93	9.5
	40	15	93	10.1
	30	20	70	12
	40	20	70	12.8
	30	25	56	13.9
	40	25	56	15.3
	30	30	47	16
	40	30	47	17.2
	30	40	35	17
	40	40	35	21.3
	50	40	35	21.9
	40	50	28	25.4
50	50	28	25.8	
40	60	23	28.5	



Input	Size	i	$n_2(r/min)$	$M_2(N-m)$	
0.12 Kw 0.16 Hp 4 Poles	50	60	23	29	
	40	80	18	34.1	
	50	80	18	34.7	
	50	100	14	40.1	
	30	7.5	187	8	
	40	7.5	187	8	
	30	10	140	10	
	40	10	140	10	
	30	15	93	14	
	40	15	93	15	
	30	20	70	18	
	40	20	70	19	
	0.18 Kw 0.25 Hp 4 Poles	30	25	56	20
		40	25	56	23
		40	30	47	26
		50	40	35	32
40		40	25	32	
40		50	28	38	
50		50	28	38	
50		60	23	34	
50		80	18	53	
50		100	14	55	
40		7.5	187	11	
50		7.5	187	11	
40		10	140	14	
50		10	140	14	
40		15	94	20	
50		15	94	21	
0.25 Kw 0.33 Hp 4 Poles	40	20	70	26	
	50	20	70	26	
	40	25	56	31	
	50	25	56	32	
	40	30	47	36	
	50	30	47	36	
	40	40	35	44	
	50	40	35	45	
	50	50	28	53	
	50	60	23.3	60	
	50	80	18	65	
	63	80	18	77	
	63	100	14	85	
	0.37 Kw 0.5 Hp 4 Poles	40	7.5	187	16
		50	7.5	187	16
		40	10	140	21
50		10	140	21	
40		15	93	30	
50		15	93	31	
40		20	70	39	
50		20	70	39	
50		25	56	47	
50		30	47	54	
50		40	35	66	
63		40	35	70	
50		50	28	73	
63		50	28	83	
63		60	23	95	
63		80	18	114	
63	100	14	118		



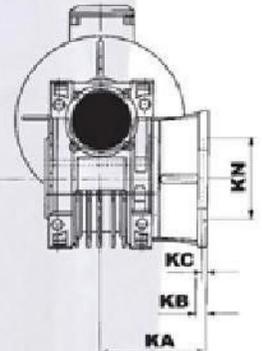
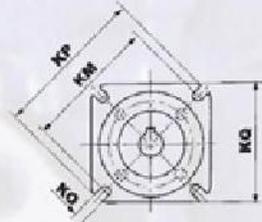
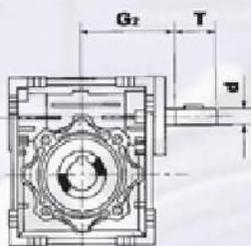
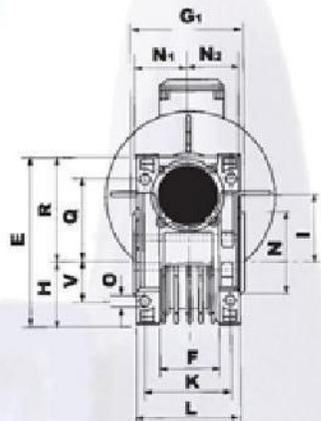
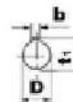
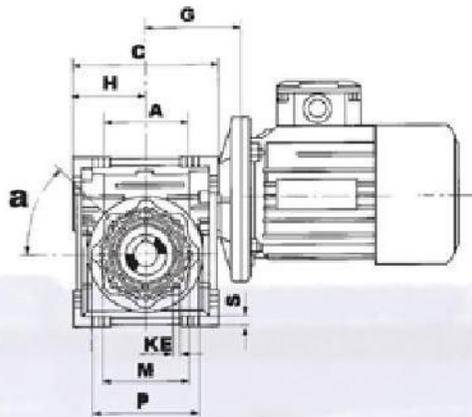
## SELECTION TABLE FOR NSS GEAR BOX INPUT SPEED - 1400 r/min.

Input	Size	i	n <sub>2</sub> (r/min)	M <sub>2</sub> (N-m)	Input	Size	i	n <sub>2</sub> (r/min)	M <sub>2</sub> (N-m)
0.55Kw 0.75 Hp 4 Poles	40	7.5	186	24.5	1.5 Kw 2 Hp 4 Poles	90	50	28	369
	50	7.5	186	25		110	50	28	375
	40	10	140	32		110	60	23	442
	50	10	140	32		110	80	17	790
	50	15	94	46		130	80	17	547
	63	15	94	46	130	100	14	652	
	50	20	70	59	2.2 Kw 3 Hp 4 Poles	90	7.5	187	101
	63	20	70	60		110	7.5	187	101
	63	25	56	72		90	10	140	133
	63	30	47	80		110	10	140	133
	63	40	35	104		90	15	94	199
	75	40	35	108		110	15	94	199
	63	50	28	123		90	20	70	251
	75	50	28	129		110	20	70	256
	75	60	23	146		90	25	56	307
75	80	17	190	110		25	56	316	
75	100	14	180	90		30	46	346	
0.75Kw 1 Hp 4 Poles	50	7.5	186	34		110	30	46	355
	63	7.5	186	33		110	40	35	462
	50	10	140	44		110	50	28	550
	63	10	140	44		130	50	28	566
	50	15	94	63	130	60	23	650	
	63	15	94	63	130	80	17	803	
	63	20	70	82	3 Kw 4 Hp 4 Poles	110	7.5	187	138
	63	25	56	99		110	10	140	182
	63	30	47	109		110	15	94	263
	75	30	47	116		110	20	70	348
	63	40	35	143		110	25	56	430
	75	40	35	147		110	30	46.7	484
	75	50	28	176		110	40	35	631
	90	50	28	184		130	40	35	638
	75	60	23	200		130	50	28	767
90	60	23	212	130		60	23	884	
90	80	17	257	110		7.5	186	184	
90	100	14	270	130		7.5	186	186	
1.1Kw 1.5 Hp 4 Poles	63	7.5	186	49		110	10	140	243
	75	7.5	186	49		130	10	140	243
	63	10	140	65		110	15	93	352
	75	10	140	66	130	15	93	357	
	63	15	93	93	110	20	70	464	
	75	15	93	95	130	20	70	466	
	63	20	70	121	110	25	56	573	
	75	20	70	122	130	25	56	573	
	75	25	56	149	110	30	47	646	
	75	30	46	170	130	30	47	655	
	75	40	35	216	130	40	35	850	
	90	40	35	225	130	50	28	1023	
	90	50	28	271	5.5 Kw 7.5 Hp 4 Poles	110	7.5	188	253
	90	60	23	311		130	7.5	186	256
	110	60	23	324		110	10	140	334
110	80	17	410	130		10	140	334	
110	100	14	480	110		15	94	484	
1.5 Kw 2 Hp 4 Poles	75	7.5	186	67		130	15	94	490
	75	10	140	90		130	20	70	645
	75	15	93	130		130	25	56	788
	75	20	70	167		130	30	47	900
	75	25	56	200		110	7.5	188	345
	90	25	56	209		130	7.5	186	349
	75	30	47	230		110	10	140	455
	90	30	47	236		130	10	140	455
	90	40	35	306		130	15	94	667





## DIMENSIONS OF WORM GEAR BOX MODEL : NSS



MODEL : 110-130

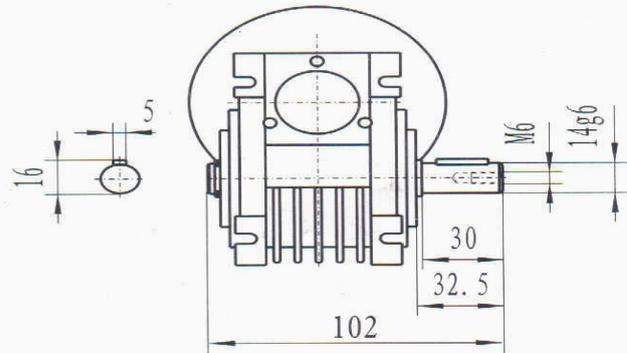
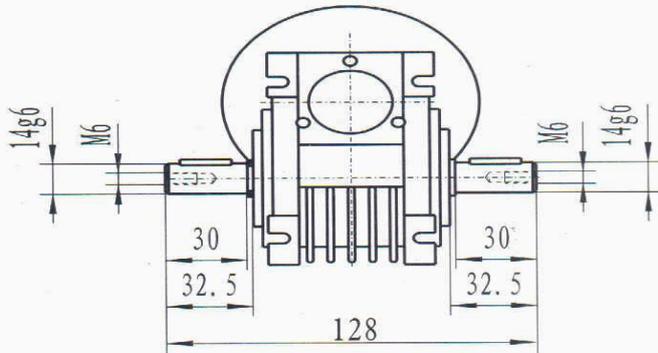
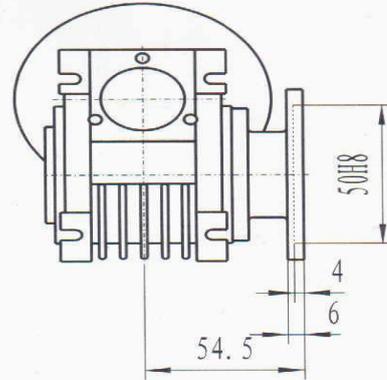
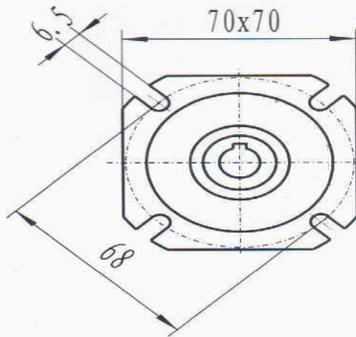
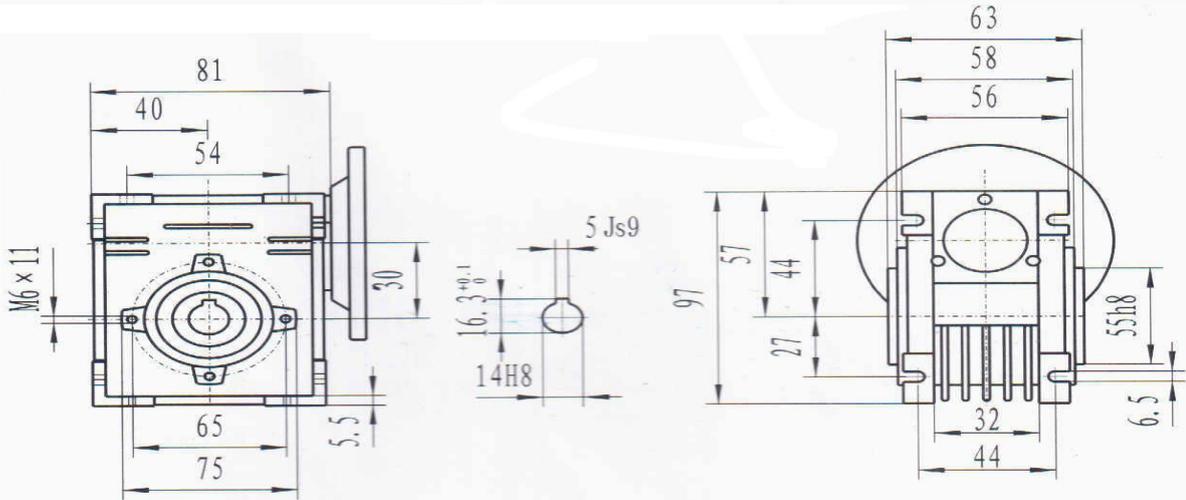
MODEL : 30-90

### MOUNTING DIMENSION

Size Model	A	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	V	K
30	54	80	14	97	32	63	40	30	56	65	55	6.5	75	44	57	5.5	27	44
40	70	100	18 (19)	121	43	70	50	40	71	75	60	7	85	55	71	6.5	35	60
50	80	120	25	144	49	80	60	50	85	85	70	8.5	100	64	84	7	40	70
63	100	144	25 (28)	174	67	95	72	63	103	95	80	8.5	110	80	102	8	50	85
75	120	174	28	205	72	112.5	86	75	113	115	95	11	140	93	119	10	60	90
90	140	208	35	238	73	130	103	90	130	130	110	13	160	102	135	11	70	100
110	170	252.5	42	294	-	160	127.5	110	142	165	130	14	200	125	167.5	15	85	115
130	200	292.5	45	334	-	180	147.5	130	154	215	180	16	250	140	187.5	15	100	120

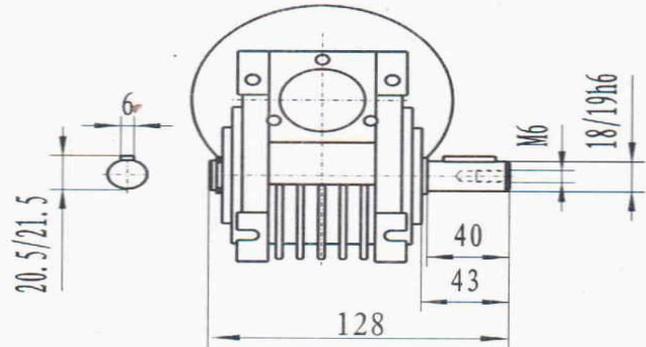
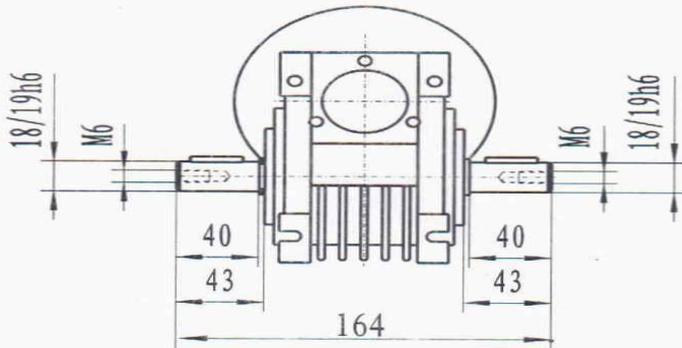
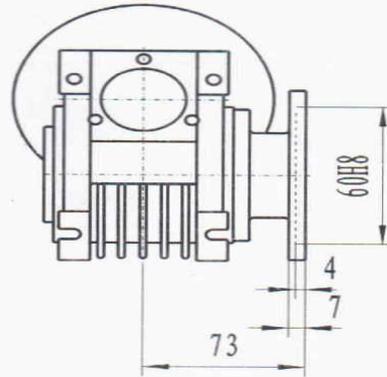
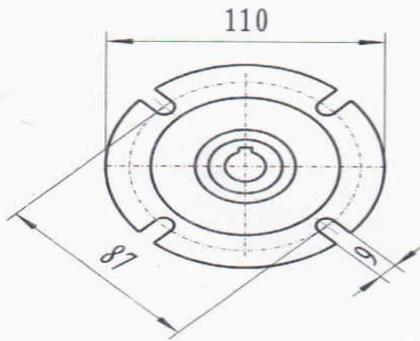
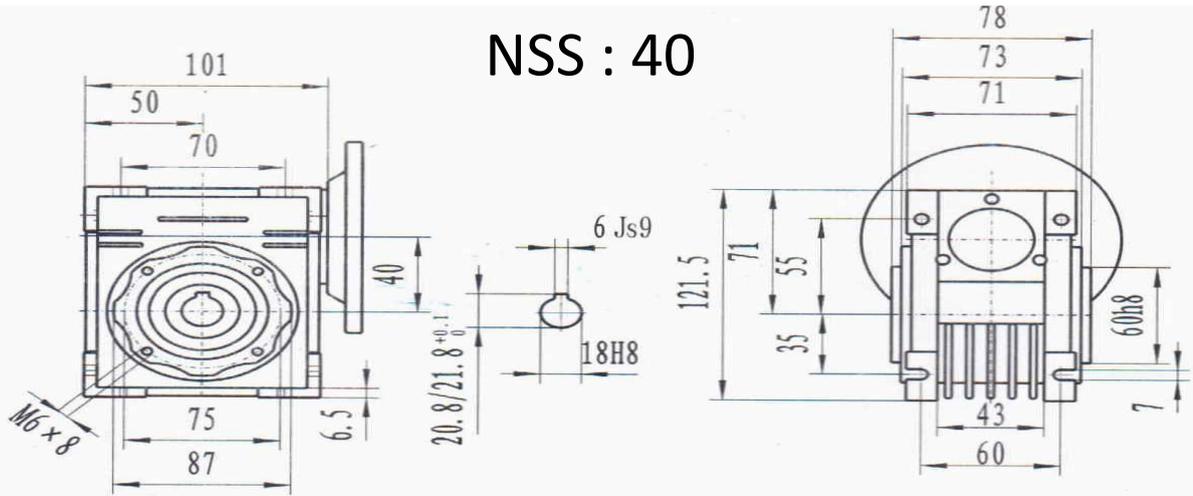
Size Model	G <sub>2</sub>	N <sub>1</sub>	KA	KB	KC	KE	a	KM	KN	KO	KP	KQ	d	b	t <sub>1</sub>	X	Y
30	50	29	54.5	6	4	M6x11 (n.4)	0°	68	50	6.5(4/90°)	80	70	9	5	16.3	3	10.2
40	60	36.5	67	7	4	M6x8 (n.4)	45°	87	60	9(4/90°)	110	95	11	6	20.8 (21.8)	4	12.5
50	74	43.5	90	9	5	M8x10 (n.4)	45°	90	70	11(4/90°)	125	110	14	8	28.3	5	16
63	90	53	97	10	6	M8x14 (n.8)	45°	150	115	11(4/90°)	180	142	19	8	28.3 (31.3)	6	21.5
75	105	57	111	13	6	M8x14 (n.8)	45°	165	130	14(4/90°)	200	170	24	8	31.3	8	27
90	125	67	111	13	6	M10x18 (n.8)	45°	175	152	14(4/90°)	210	200	24	10	38.3	8	27
110	142	74	139	15	6	M10x18 (n.8)	45°	220	170	14(8/45°)	270	250	28	12	45.3	8	31
130	162	80.5	140	15	6	M12x26 (n.8)	45°	255	180	16(8/45°)	320	290	30	14	48.8	8	33

**tv TRISONS<sup>TM</sup> DRIVES**  
*Transmissions Experts*



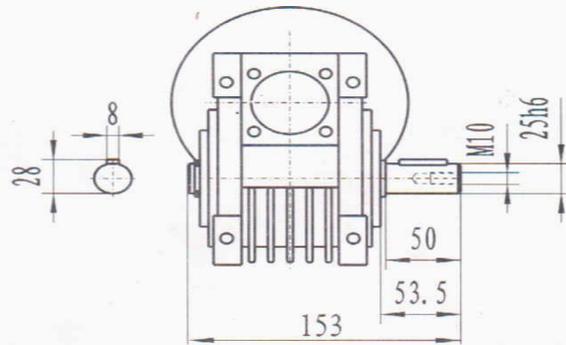
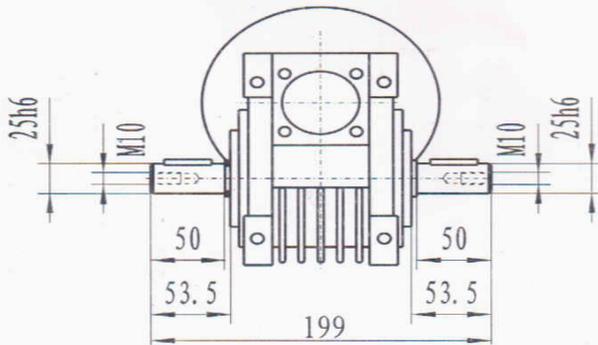
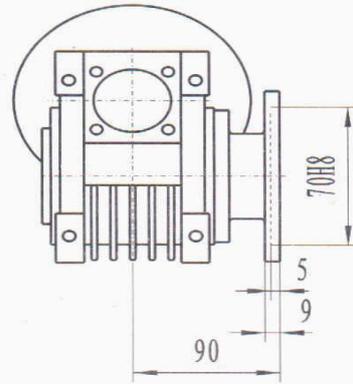
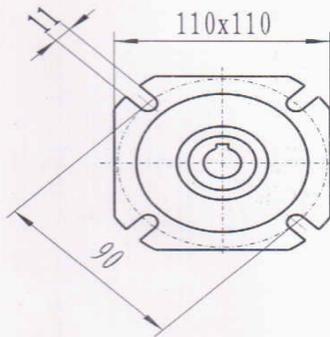
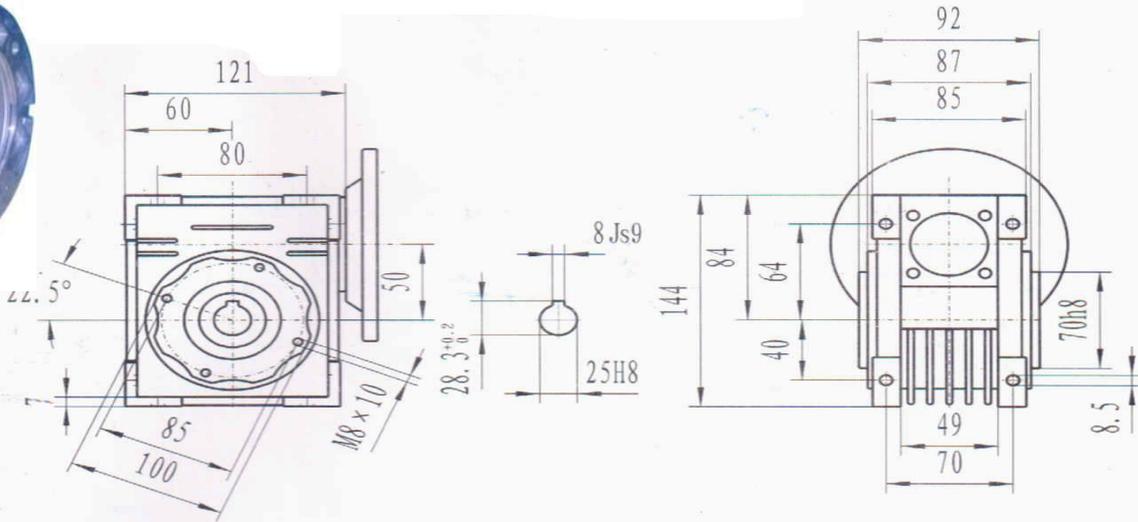


NSS : 40

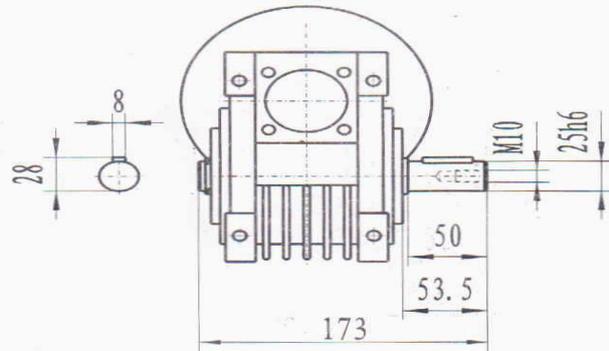
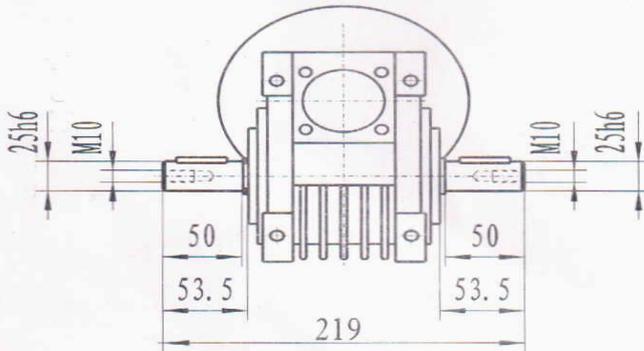
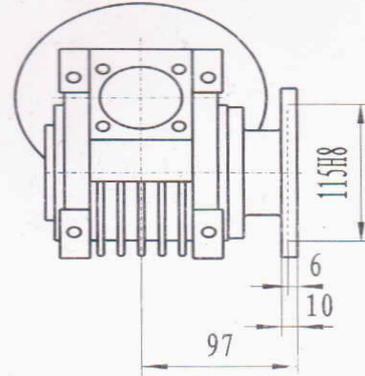
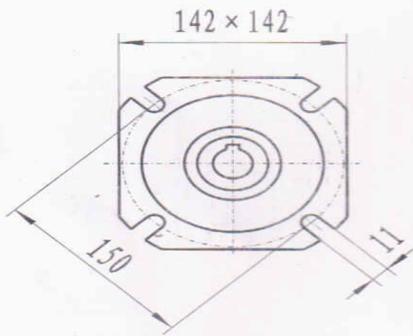
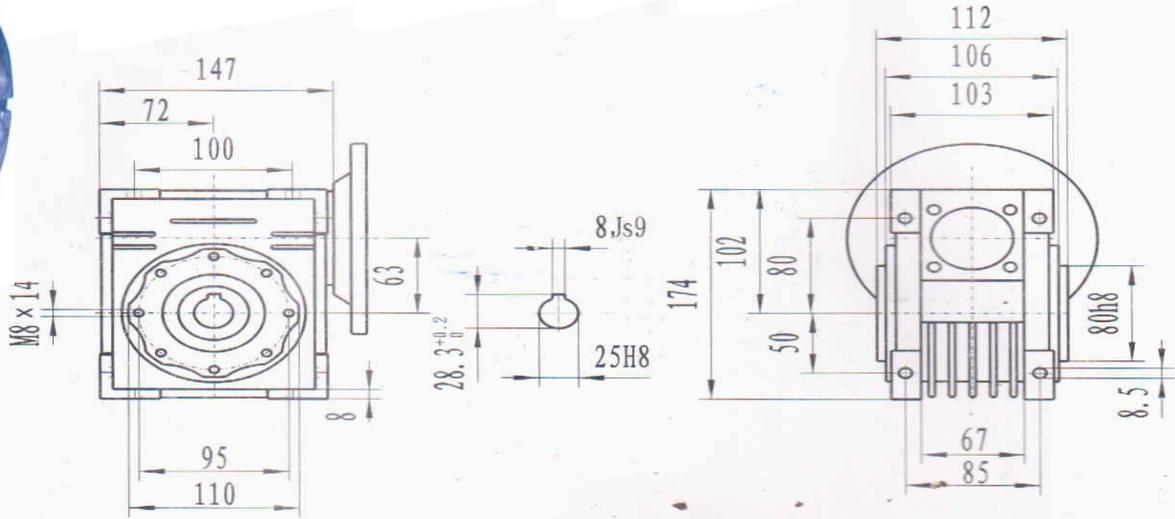


# tv TRISONS<sup>TM</sup> DRIVES

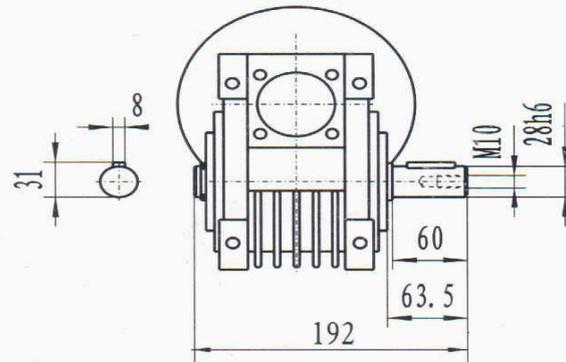
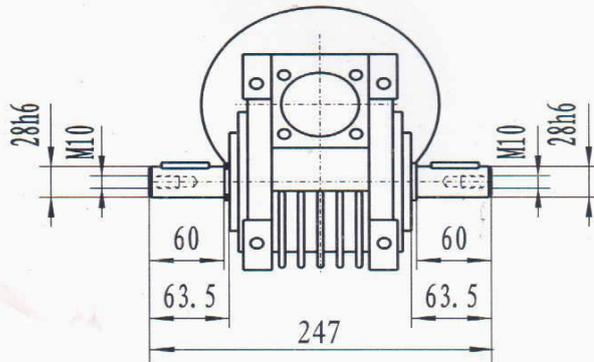
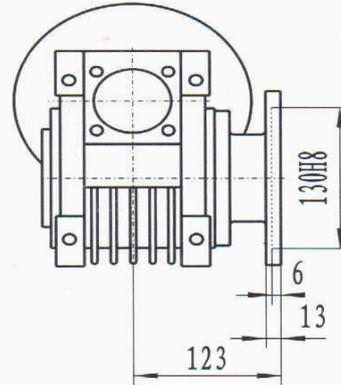
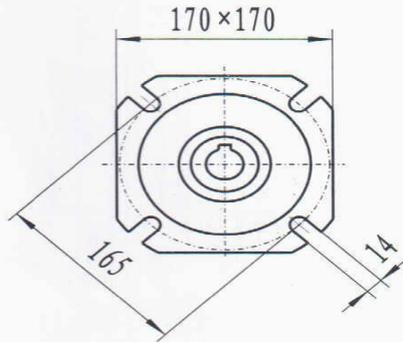
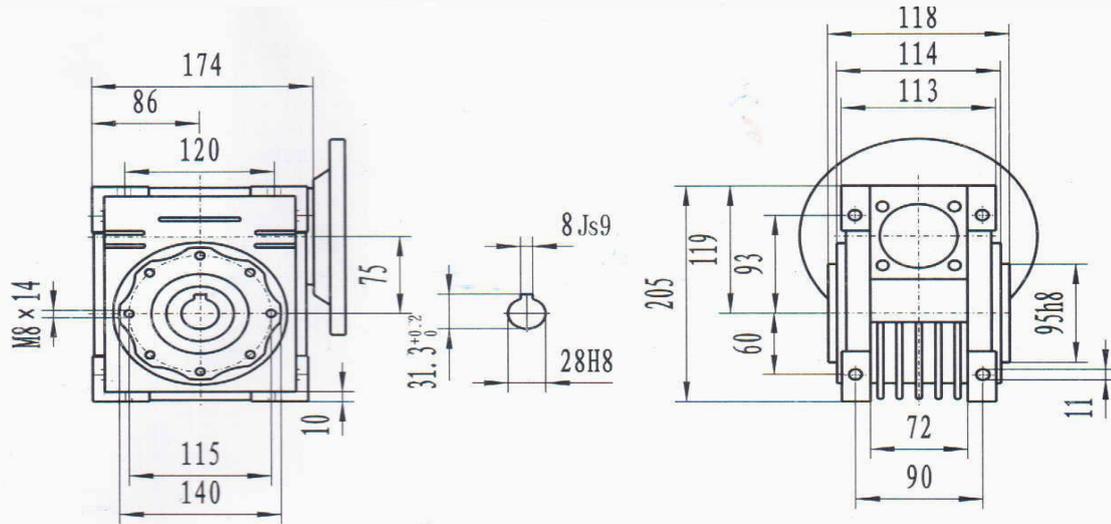
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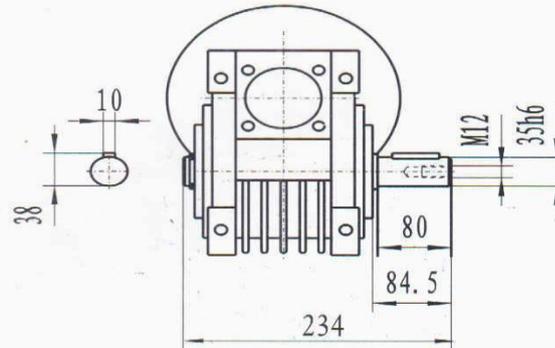
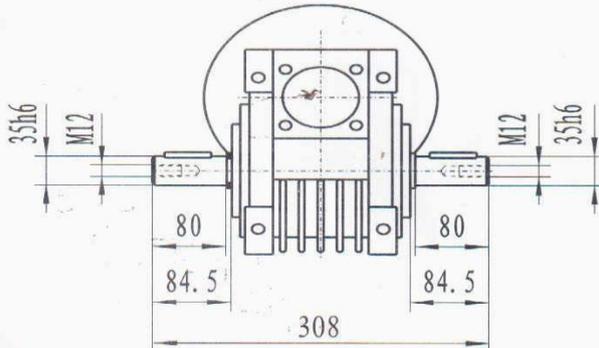
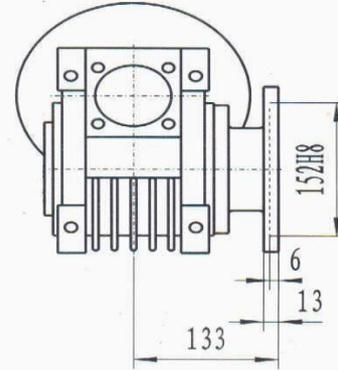
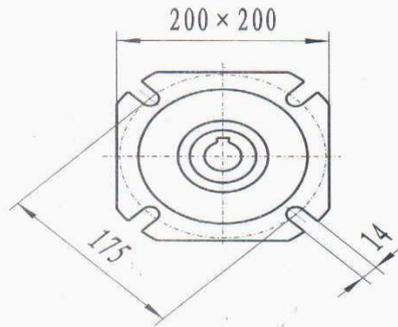
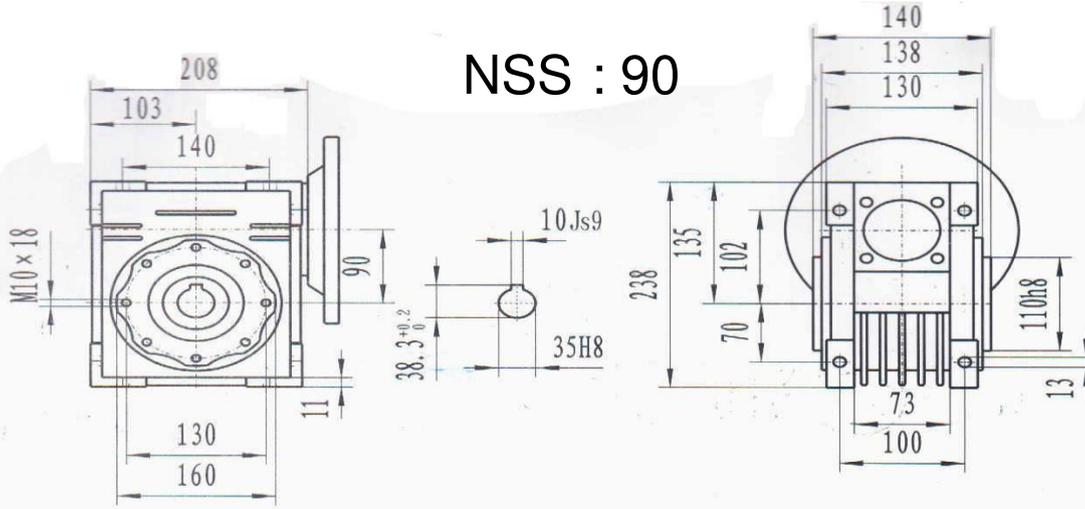


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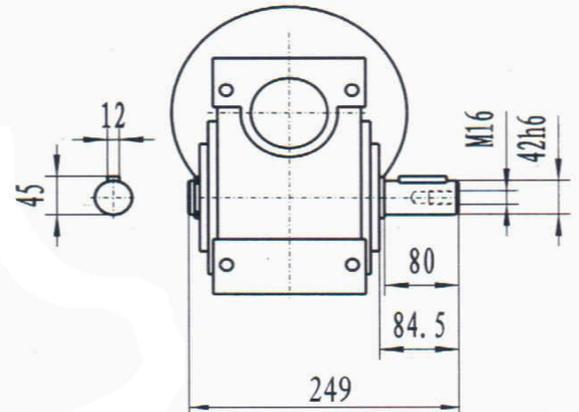
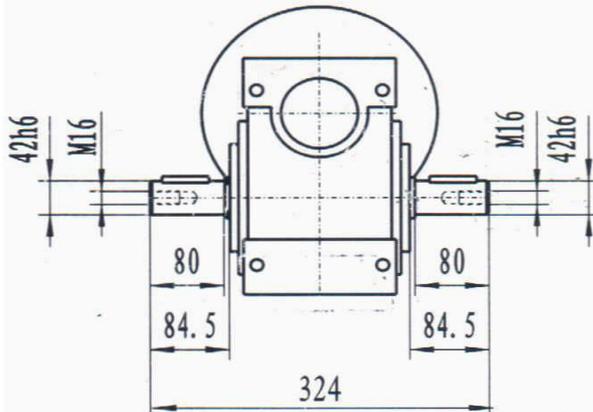
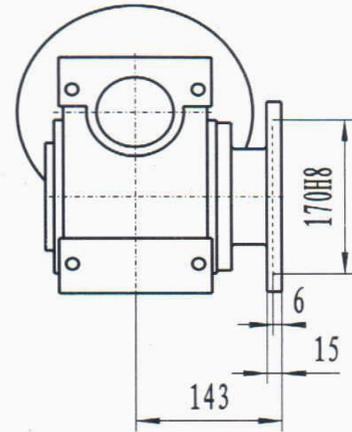
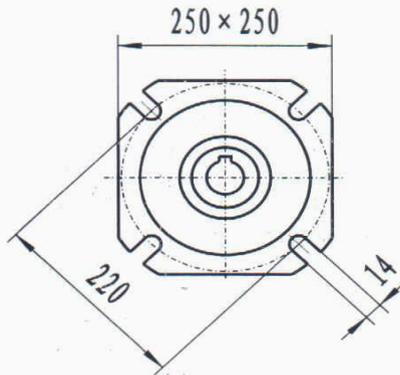
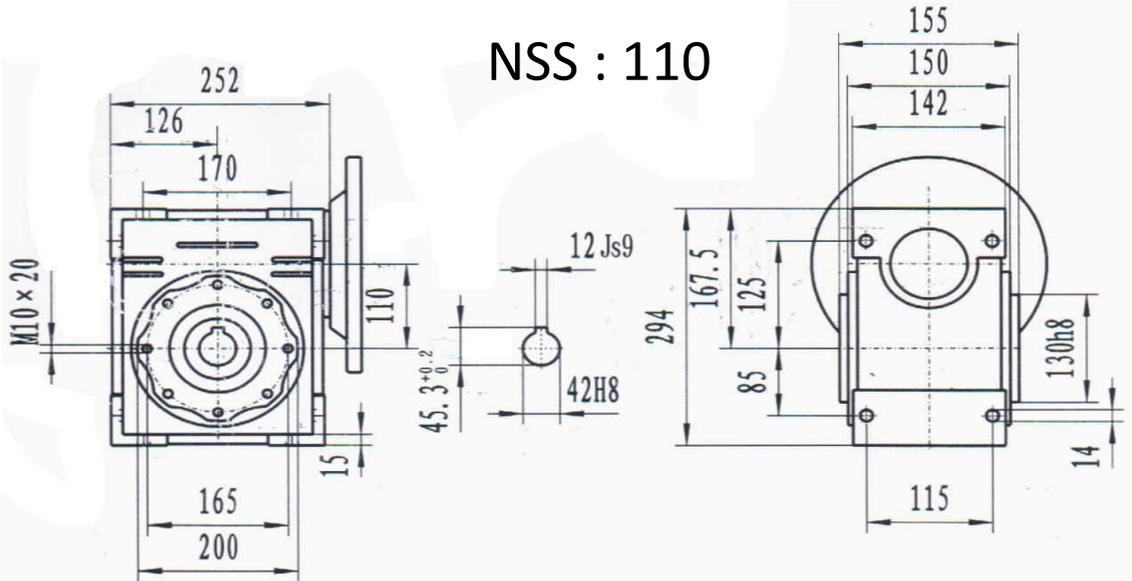


NSS : 90





NSS : 110



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