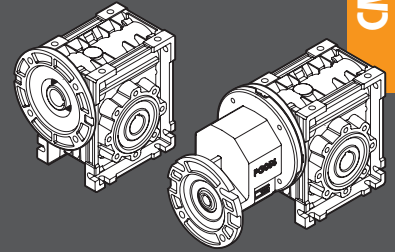


TRANSTECNOTM
THE MODULAR GEARMOTOR

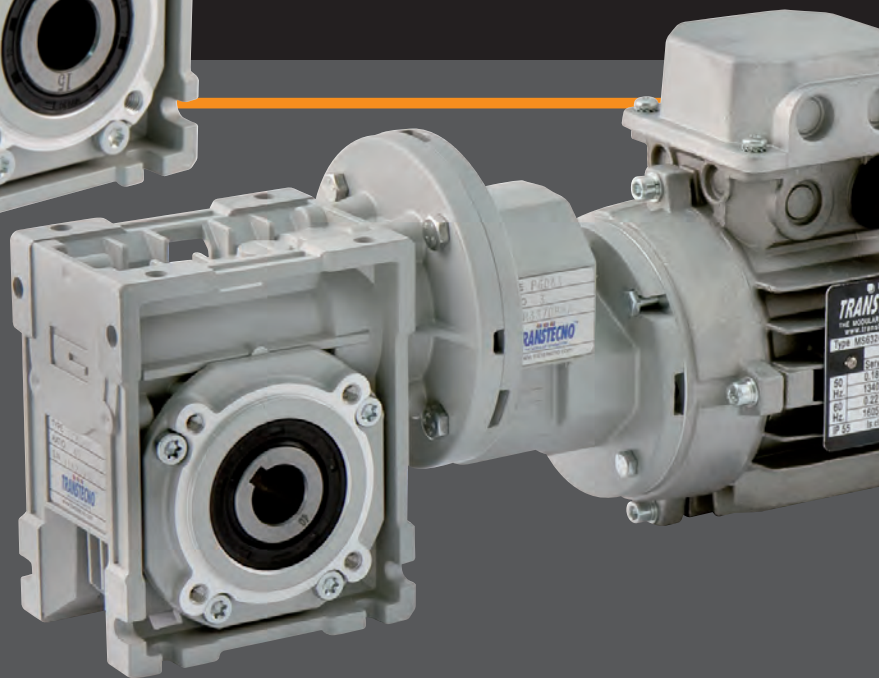
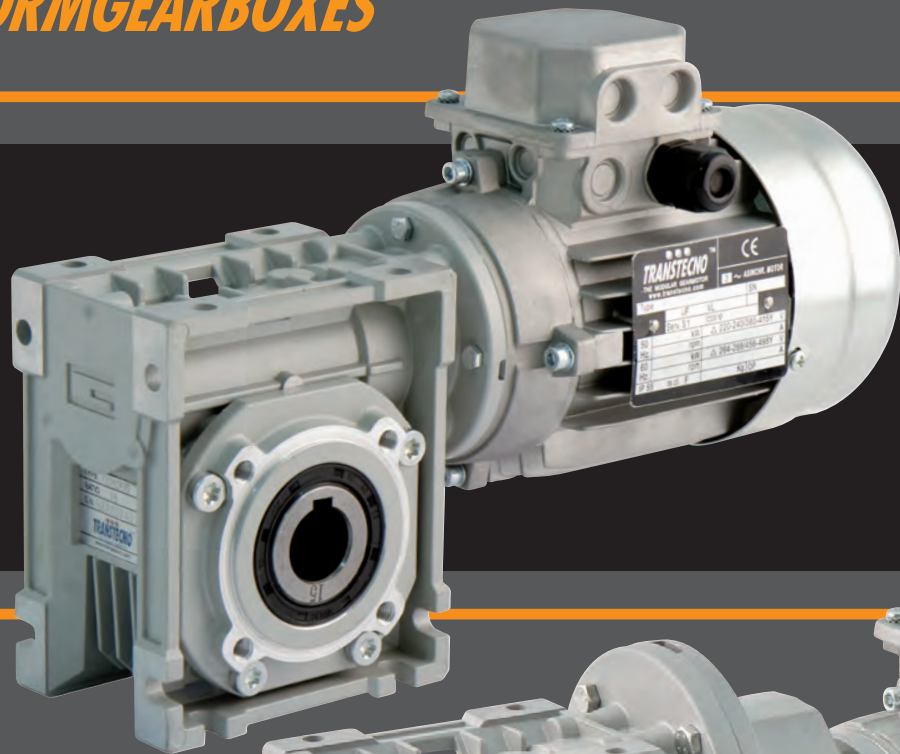
CM-CMP

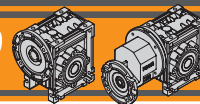
CM - CMP



ЧЕРВЯЧНЫЕ РЕДУКТОРЫ
WORMGEARBOXES

ЧЕРВЯЧНЫЕ РЕДУКТОРЫ С ЦИЛИНДРИЧЕСКОЙ СТУПЕНЬЮ
PRE-STAGE WORMGEARBOXES

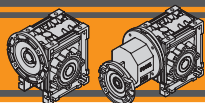




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Этот раздел заменяет все предыдущие версии и обновления. Если Вы получили каталог не через наших дистрибьюторов - не гарантируется, что этот каталог самой последней версии. Самая свежая версия всегда доступна на нашем сайте www.transtecno.com

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CM/CMP ЧЕРВЯЧНЫЕ РЕДУКТОРЫ WORMGEARBOXES

Технические характеристики

Technical features

Особенностью червячных редукторов серий CM и CMP является высокая степень модульности и большой выбор входных и выходных принадлежностей.

The high degree of modularity is a design feature of CM and CMP wormgearboxes range tank to a wide selection of input and output kits.

Основные характеристики серий CM и CMP:

Main features of CM and CMP range are:

- Литой алюминиевый корпус для габаритов 026, 030, 040, 050, 063, 075, 090 и 110. Чугунный корпус для 130 габарита;
- Двойной конический роликовый подшипник для 090, 110 и 130 габаритов;
- Литой алюминиевый корпус цилиндрической ступени;
- Синтетическая долговечная смазка.
- Die-cast aluminum housing on sizes 026, 030, 040, 050, 063, 075, 090 and 110. Cast iron housing on size 130;
- Double taper roller bearing on sizes 090, 110 and 130;
- Die-cast aluminum housing on pre-stage units;
- Permanent synthetic oil long-life lubrication.

Маркировка

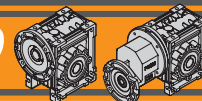
Classification

ЧЕРВЯЧНЫЕ РЕДУКТОРЫ / WORMGEARBOXES

РЕДУКТОР / GEARBOX										
CM	050	U	10	71	B5	SZDX	BRSX	90	B3	VS
Тип Type	Габарит Size	Версия Gearbox Version	Передаточное число Ratio	IEC 	Тип фланца Version	Выходной вал Output shaft	Удерживающий рычаг Torque arm	Угол Angle	Монтажная позиция Mounting position	Опции Options
CM 	026 030 040 050 063	U FD FS FLD FLS FBD FBS	См. таблицу See tables	56.. — 132..	B5 B14	SZDX SZSX DZ	BRDX BRSX	0° 90° 180° 270°	B3 B8 B6 B7 V5 V6	VS
CMIS 	075 090 110 130									

ЧЕРВЯЧНЫЕ РЕДУКТОРЫ С ЦИЛИНДРИЧЕСКОЙ СТУПЕНЬЮ / PRE-STAGE WORMGEARBOXES

РЕДУКТОР / GEARBOX											
CMP	063/050	U	90	63	B14	SZDX	BRSX	90	P4	B3	VS
Тип Type	Габарит Size	Версия Gearbox Version	Передаточное число Ratio	IEC 	Тип фланца Version	Выходной вал Output shaft	Удерживающий рычаг Torque arm	Угол Angle	Монтажная позиция цилиндрической ступени Pre stage mounting position	Монтажная позиция Mounting position	Опции Options
CMP 	056/030 056/040 063/040 063/050 063/063 071/050 071/063 071/075 071/090 080/063 080/075 080/090 080/110 080/130 090/075 090/090 090/110 090/130	U FD FS FLD FLS FBD FBS	Vedere tabella See tables	56.. — 80..	B14	SZDX SZSX DZ	BRDX BRSX	0° 90° 180° 270°	P1 P2 P3 (стандарт) P4	B3 B8 B6 B7 V5 V6	VS



Маркировка

Designation

Версия Gearbox Version	Выходной вал Output shaft	Удерживающий рычаг Torque arm	Угол Angle
<p>U FD FS FLD FLS FBD FBS</p>	<p>SZDX SZSX DZ</p>	<p>BRDX BRSX</p>	<p>90° 90° 180° 0° 270° 270°</p>

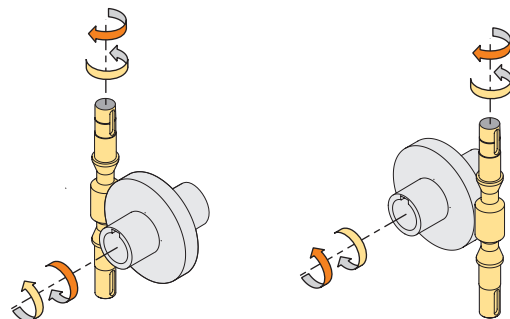
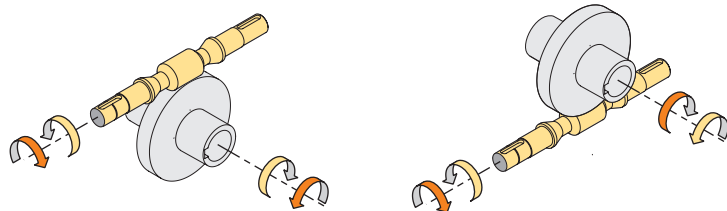
ДВИГАТЕЛЬ CM / CM MOTOR				
0.75kW	4p	3ph	50Hz	T1
Мощность Power	Кол-во полюсов Poles	Кол-во фаз Phases	Частота Frequency	Позиция клеммной коробки Terminal box pos.
См. таблицы See tables	2p 4p 6p 8p	1ph 3ph	50Hz 60Hz	T1 (стандарт) T2 T3 T4 T1 T2 T4 T3

CM/CMP

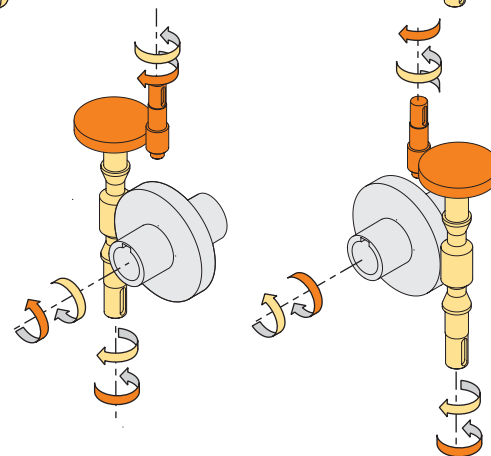
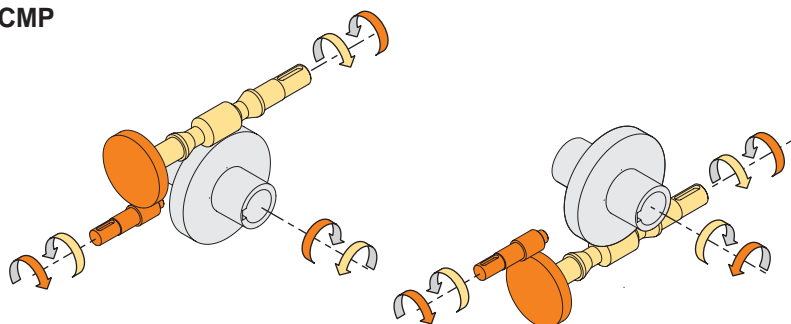
Направление вращения

Direction of rotation

CM



CMP

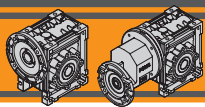


Обозначения

Symbols

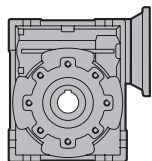
n_1	[min ⁻¹]	Скорость на входе / Input speed
n_2	[min ⁻¹]	Скорость на выходе / Output speed
i		Передаточное отношение / Ratio
P_1	[kW]	Номинальная мощность двигателя / Nominal input power
M_2	[Nm]	Вых. момент при мощности P_1 / Output torque referred to P_1
P_{n1}	[kW]	Номинальная входная мощность / Nominal input power
M_{n2}	[Nm]	Номинальный вых. момент при мощности P_{n1} / Nominal output torque referred to P_{n1}

sf		Сервис фактор / Service factor
Rd	%	Динамическая эффективность / Dynamic efficiency
Rs	%	Статическая эффективность / Static efficiency
R_2	[N]	Радиальная нагрузка / Permitted output radial load
A_2	[N]	Осевая нагрузка / Permitted output axial load
Z		Число зацепления червячной передачи / Worm starts
β		Угол наклона линии зуба / Helix angle



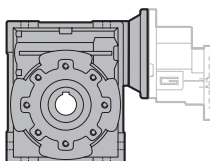
Смазка

Lubrication



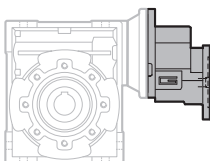
CM	Количество смазки (литры) / Oil quantity (litres)					
	B3	B8	B6	B7	V5	V6
026	0.015					
030	0.03					
040	0.07					
050	0.1					
063	0.25					
075	0.3					
090	0.85					
110	1.5					
130	4.5	3.3	3.5	3.5	4.5	3.3

На весь срок эксплуатации
Life lubricated



CMP	Количество смазки (литры) / Oil quantity (litres)					
	B3	B8	B6	B7	V5	V6
056/030	0.03					
056/040 - 063/040	0.07					
063/050 - 071/050	0.1					
063/063 - 071/063 - 080/063	0.25					
071/075 - 080/075 - 090/075	0.4					
071/090 - 080/090 - 090/090	0.85					
080/110 - 090/110	1.5					
080/130 - 090/130	4.5	3.3	3.5	3.5	4.5	3.3

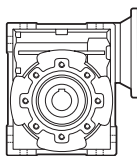
На весь срок эксплуатации
Life lubricated



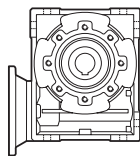
CMP				
056/030 056/040	063/040 063/050 063/063	071/050 071/063 071/075 071/090	080/063 080/075 080/090 080/110 080/130	090/075 090/090 090/110 090/130

На весь срок эксплуатации
Life lubricated

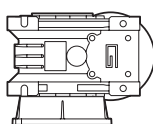
Монтажные позиции / Mounting positions



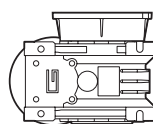
B3
(Стандарт)



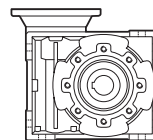
B8



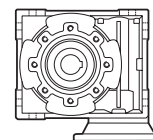
B6



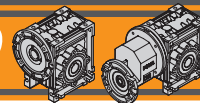
B7



V5

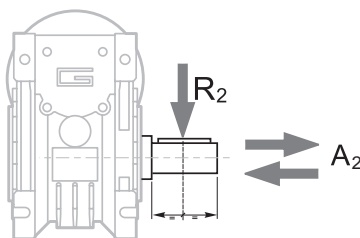


V6



Радиальные нагрузки

Radial loads



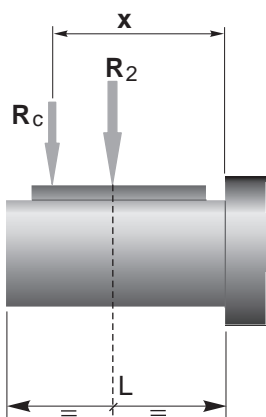
$$A_2 = R_2 \times 0.2$$

n ₂ [min ⁻¹]	R ₂ [N]								
	CM026	CM030	CM040	CM050	CM063	CM075	CM090	CM110	CM130
187	400	674	1264	1770	2445	2824	3161	5058	5732
140	490	743	1392	1949	2692	3110	3481	5570	6313
93	580	851	1596	2234	3085	3564	3990	6384	7235
70	610	936	1754	2456	3392	3918	4386	7018	7953
56	610	1008	1890	2646	3654	4221	4725	7560	8567
47	610	1069	2004	2805	3874	4475	5009	8014	9083
35	610	1179	2210	3095	4273	4937	5526	8842	10021
28	610	1270	2381	3334	4603	5318	5953	9524	10794
23	610	1356	2542	3559	4915	5678	6356	10170	11526
18	610	1471	2759	3862	5334	6162	6897	11036	12507
14	610	1600	3000	4200	5800	6700	7500	12000	13600
	CMP... /030	CMP... /040	CMP... /050	CMP... /063	CMP... /075	CMP... /090	CMP... /110	CMP... /130	

CM/CMP

Если суммарная радиальная нагрузка не приходится на центр выходного вала, необходимо рассчитать её по формуле:

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:

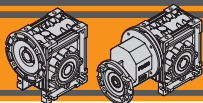


	CM	CM / CMP							
	026	030	040	050	063	075	090	110	130
a	56	65	84	101	120	131	182	176	188
b	43	50	64	76	95	101	122	136	148
R _{2MAX}	610	1600	3000	4200	5800	6700	7500	12000	13600

$$R_c = \frac{R_2 \cdot a}{(b+x)} \leq R_{2MAX}$$

$$R \leq R_c$$

a, b = значения из таблицы
a, b = values given in the table



Характеристики зубьев

Toothing data

	Данные червячной шестерни Worm wheel data	Передаточное число / Ratio											
		5	7.5	10	15	20	25	30	40	50	60	80	100
СМ026	Z	6	4	3	2	2		1	1	1	1		
	β	34° 35'	24° 41'	19° 1'	12° 57'	10° 30'		6° 33'	5° 17'	4° 26'	3° 49'		
СМ030	Z	6	4	3	2	2	2	1	1	1	1	1	1
	β	27° 4'	24° 28'	18° 50'	12° 49'	10° 23'	8° 43'	6° 29'	5° 14'	4° 23'	3° 46'	2° 57'	2° 25'
СМ040	Z	6	4	3	2	2	2	1	1	1	1	1	1
	β	34° 19'	24° 28'	18° 50'	12° 49'	10° 23'	8° 43'	6° 29'	5° 14'	4° 23'	3° 46'	2° 57'	2° 25'
СМ050	Z	6	4	3	2	2	2	1	1	1	1	1	1
	β	33° 37'	23° 54'	18° 23'	12° 29'	10° 6'	8° 28'	6° 19'	5° 5'	4° 15'	3° 39'	2° 51'	2° 20'
СМ063	Z	6	4	3	2	2	2	1	1	1	1	1	1
	β	34° 23'	24° 31'	18° 53'	12° 50'	10° 24'	8° 44'	6° 30'	5° 14'	4° 23'	3° 47'	2° 57'	2° 25'
СМ075	Z		4	3	2	2	2	1	1	1	1	1	1
	β		26° 17'	20° 20'	13° 52'	11° 18'	9° 32'	7° 2'	5° 42'	4° 48'	4° 8'	3° 14'	2° 40'
СМ090	Z		4	3	2	2	2	1	1	1	1	1	1
	β		29° 11'	22° 43'	15° 36'	12° 50'	10° 53'	7° 56'	6° 30'	5° 29'	4° 45'	3° 45'	3° 6'
СМ110	Z		4	3	2	2	2	1	1	1	1	1	1
	β		28° 14'	21° 56'	15° 1'	14° 41'	12° 34'	7° 38'	7° 28'	6° 21'	5° 32'	4° 24'	3° 39'
СМ130	Z		4	3	2	2	2	1	1	1	1	1	1
	β		28° 43'	22° 20'	15° 19'	13° 47'	11° 54'	7° 48'	7° 00'	6° 01'	5° 16'	4° 08'	3° 27'

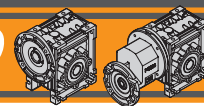
КПД

Efficiency

	n ₁ [об/мин]	КПД Efficiency	Передаточное число / Ratio												
			5	7.5	10	15	20	25	30	40	50	60	80	100	
СМ026	2800	Rd	89	87	85	83	80		73	68	64	60			
			1400	87	84	83	78	74		66	61	57	53		
			900	84	83	80	75	71		61	57	52	48		
			Rs	72	71	68	61	56	46	41	36	34			
СМ030	2800	Rd	89	88	86	84	81	78	74	70	65	62	57	52	
			1400	86	85	84	79	75	72	67	62	58	55	48	43
			900	84	83	81	75	71	68	62	58	53	49	43	39
			Rs	72	67	63	55	50	43	39	35	31	27	23	21
СМ040	2800	Rd	90	89	87	84	83	80	77	73	69	66	60	56	
			1400	88	86	84	81	78	74	70	65	60	58	52	46
			900	86	84	82	77	74	70	66	60	57	53	46	41
			Rs	74	71	67	60	55	51	45	40	36	32	28	24
СМ050	2800	Rd	91	90	88	86	84	82	78	74	71	68	62	58	
			1400	89	87	85	82	79	76	72	67	63	60	54	49
			900	87	85	84	79	75	72	68	62	59	55	48	43
			Rs	73	70	66	59	55	51	44	39	35	32	27	23
СМ063	2800	Rd	91	90	88	86	84	83	79	76	73	70	65	60	
			1400	90	88	86	84	81	78	75	70	66	63	57	52
			900	89	86	84	81	78	75	70	65	61	58	52	47
			Rs	73	71	67	60	55	51	45	40	36	33	28	24
СМ075	2800	Rd		90	89	87	85	84	81	78	75	72	68	63	
			1400		89	87	84	83	80	77	73	69	66	60	56
			900		87	85	83	80	77	73	68	64	61	55	50
			Rs		71	68	61	57	53	46	42	38	35	29	26
СМ090	2800	Rd		91	90	88	86	85	83	80	78	75	71	67	
			1400		90	88	86	84	83	79	76	72	69	64	60
			900		88	87	84	82	80	76	72	68	65	60	55
			Rs		73	70	64	60	56	49	45	41	38	32	28
СМ110	2800	Rd		90	89	88	87	86	82	81	79	77	73	70	
			1400		89	88	86	85	84	80	79	76	73	68	64
			900		88	87	84	83	82	78	75	71	68	63	59
			Rs		72	69	63	62	59	48	46	44	41	36	32
СМ130	2800	Rd		90	89	88	87	86	82	80	79	77	72	70	
			1400		89	88	86	84	83	79	76	75	73	69	64
			900		88	87	84	82	81	77	74	73	70	64	59
			Rs		72	69	62	61	59	49	46	43	39	34	30




Теоретическое значение КПД на первом периоде эксплуатации
Theoretical efficiency of the gearbox after the first running period




Таблицы выбора

n_1 1400 об/мин

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
---	-------------------------------	----------------	----------------	-----

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
---	-------------------------------	----------------	----------------	-----

CMIS026

280	13	0.44	5
187	14	0.33	7,5
140	14	0.25	10
93	14	0.18	15
70	14	0.14	20
47	15	0.11	30
35	14	0.08	40
28	13	0.07	50
23	12	0.06	60

CMIS075

187	219	4.8	7.5
140	238	4.0	10
93	249	2.9	15
70	224	2.0	20
56	200	1.5	25
47	269	1.7	30
35	235	1.2	40
28	212	0.90	50
23	210	0.78	60
18	190	0.58	80
14	175	0.46	100

CMIS030

280	18	0.61	5
187	20	0.46	7.5
140	21	0.37	10
93	21	0.26	15
70	19	0.19	20
56	20	0.16	25
47	22	0.16	30
35	20	0.12	40
28	19	0.10	50
23	17	0.08	60
18	15	0.06	80
14	14	0.05	100

CMIS090

187	317	6.9	7.5
140	354	5.9	10
93	404	4.6	15
70	384	3.4	20
56	342	2.4	25
47	457	2.8	30
35	404	1.9	40
28	357	1.5	50
23	328	1.2	60
18	302	0.86	80
14	278	0.68	100

CMIS040

280	41	1.37	5
187	44	1.00	7.5
140	45	0.79	10
93	45	0.54	15
70	40	0.38	20
56	38	0.30	25
47	48	0.34	30
35	42	0.24	40
28	39	0.19	50
23	36	0.15	60
18	33	0.12	80
14	31	0.10	100

CMIS110

187	560	12.3	7.5
140	617	10.3	10
93	678	7.7	15
70	661	5.7	20
56	615	4.3	25
47	755	4.6	30
35	716	3.3	40
28	648	2.5	50
23	578	1.9	60
18	523	1.4	80
14	486	1.1	100

CMIS050

280	75	2.5	5
187	79	1.8	7.5
140	82	1.4	10
93	82	0.98	15
70	72	0.67	20
56	70	0.54	25
47	88	0.60	30
35	76	0.42	40
28	72	0.34	50
23	69	0.28	60
18	60	0.20	80
14	56	0.17	100

CMIS130

187	750	16.5	7.5
140	820	13.7	10
93	910	10.3	15
70	910	7.9	20
56	920	6.5	25
47	1050	6.5	30
35	1050	5.1	40
28	970	3.8	50
23	890	3.0	60
18	830	2.2	80
14	735	1.7	100

CMIS063

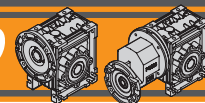
280	134	4.4	5
187	144	3.2	7.5
140	148	2.5	10
93	154	1.8	15
70	136	1.23	20
56	135	1.0	25
47	166	1.1	30
35	142	0.74	40
28	136	0.60	50
23	126	0.49	60
18	118	0.38	80
14	116	0.33	100

Примечание:

Pn_1 - входная механическая мощность, которую необходимо понижать для предотвращения возникновения перегрева. Для получения более детальной информации свяжитесь, пожалуйста, с техническим отделом.

Note:

Pn_1 is an input mechanical power which must be reduced by the heating factor in order to get the relevant one. For more details please contact our Technical Service.



Таблицы выбора

Technical data

P ₁ [кВт]	n ₂ [об/мин]	M ₂ [Нм]	sf	i			
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P ₁ [кВт]	n ₂ [об/мин]	M ₂ [Нм]	sf	i			
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0.37

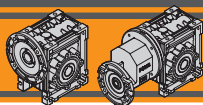
71A2 (2800 об/мин)	31	78	2.4	90	CM063	CMP071/063	B14				
	28	76	1.1	100		B5/B14					
	23	96	1.7	120		CMP071/063	B14				
	19	113	1.3	150		CMP071/063	B14				
	16	129	1.1	180	CMP071/063	B14					
	35	69	2.0	80	CM075		B5				
		28	80	1.6			100	B5			
		23	101	2.6	120	CM075	CMP071/075	B14			
			19	119	2.0		150	CMP071/075	B14		
			16	136	1.7		180	CMP071/075	B14		
			12	163	1.3		240	CMP071/075	B14		
			9.3	186	1.0		300	CMP071/075	B14		
			16	145	2.6		180	CM075	CMP071/090	B14	
				12	178		2.0		240	CMP071/090	B14
				9.3	204		1.6		300	CMP071/090	B14
71B4 (1400 об/мин)	280	11	3.7	5	CM040		B5/B14				
	187	16	2.7	7.5	CM040		B5/B14				
	140	21	2.1	10	CM040		B5/B14				
	93	31	1.5	15	CM040		B5/B14				
	70	39	1.0	20	CM040		B5/B14				
	56	47	0.8	25	CM040		B5/B14				
	47	53	0.9	30	CM040		B5/B14				
	93	31	2.6	15	CM050		B5/B14				
		70	40	1.8		20	B5/B14				
		56	48	1.5		25	B5/B14				
		47	55	1.6		30	B5/B14				
		35	68	1.1		40	B5/B14				
		28	80	0.9		50	B5/B14				
		23	91	0.8		60	B5/B14				
		23	105	1.0		60	CMP071/050	B14			
		19	124	0.7		75	CMP071/050	B14			
	16	145	0.9	90	CMP071/050	B14					
	35	71	2.0	40	CM063		B5/B14				
		28	83	1.6		50	B5/B14				
		23	95	1.3		60	B5/B14				
		23	108	1.7		60	CMP071/063	B14			
		19	130	1.3		75	CMP071/063	B14			
18		115	1.0	80		CMP071/063	B5/B14				
16		142	1.6	90		CMP071/063	B14				
14		131	0.9	100		CMP071/063	B5/B14				
12		178	1.2	120		CMP071/063	B14				
9.3		211	0.9	150		CMP071/063	B14				
7.8		236	0.8	180		CMP071/063	B14				
28		87	2.4	50		CM075		B5			
		23	100	2.1			60	B5			
		23	111	2.8			60	CMP071/075	B14		
		19	134	2.1			75	CMP071/075	B14		
		18	121	1.6			80	CMP071/075	B5		
	16	156	2.4	90	CMP071/075		B14				
	14	141	1.2	100	CMP071/075		B5				
	12	193	1.7	120	CMP071/075		B14				
	9.3	226	1.4	150	CMP071/075		B14				
	7.8	254	1.2	180	CMP071/075		B14				
	5.8	297	0.8	240	CMP071/075		B14				
	4.7	334	0.7	300	CMP071/075		B14				

0.37

71B4 (1400 об/мин)	18	129	2.3	80	CM090		B5					
	14	151	1.8	100			B5					
	12	196	2.9	120			CMP071/090	B14				
	9.3	226	2.3	150			CMP071/090	B14				
	7.8	263	1.8	180			CMP071/090	B14				
	5.8	315	1.3	240			CMP071/090	B14				
	4.7	356	1.0	300			CMP071/090	B14				
	80A6 (900 об/мин)	180	17	5.2			5	CM050		B5/B14		
		120	25	3.7			7.5			B5/B14		
		90	33	2.9			10			B5/B14		
60		47	2.0	15	B5/B14							
45		59	1.4	20	B5/B14							
36		71	1.1	25	B5/B14							
30		80	1.2	30	B5/B14							
45		61	2.5	20	CM063		B5/B14					
		36	74	1.9			25			B5/B14		
		30	82	2.3			30			B5/B14		
		23	102	1.6			40			B5/B14		
		18	120	1.3			50			B5/B14		
		15	137	1.0			60			B5/B14		
		15	155	1.5			60			CMP080/063	B14	
		12	182	1.1			75			CMP080/063	B14	
10		208	1.3	90	CMP080/063	B14						
18		126	1.9	50	CM075		B5/B14					
		15	144	1.6			60			B5/B14		
	15	159	2.5	60			CMP080/075	B14				
	12	190	1.8	75			CMP080/075	B14				
	11	173	1.2	80			CMP080/075	B5/B14				
	10	218	2.1	90			CMP080/075	B14				
	9	196	1.0	100			CMP080/075	B5/B14				
	7.5	263	1.5	120			CMP080/075	B14				
	11	188	1.9	80			CM090		B5/B14			
		10	229	3.5					90	CMP080/090	B14	
		9	216	1.5					100	CMP080/090	B5/B14	
		7.5	235	2.9					120	CMP080/090	B14	
		6.0	329	1.7					150	CMP080/090	B14	
		5.0	367	1.4					180	CMP080/090	B14	
6.0	352	3.0	150	CM090		B14						
	5.0	395	2.3			180	CMP080/110	B14				
	3.8	471	1.7			240	CMP080/110	B14				
	3.0	531	1.3			300	CMP080/110	B14				
	3.8	471	2.4			240	CM090		B14			
		3.0	554			1.8			300	CMP080/130	B14	
		3.0	554			1.8			300	CM090		B14
												CMP080/130







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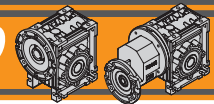
71B2 (2800 об/мин)	560	8	3.4	5	CM040		B5/B14	
	373	13	2.5	7.5			CM040	B5/B14
	280	16	2.0	10			CM040	B5/B14
	187	24	1.5	15			CM040	B5/B14
	140	31	1.0	20			CM040	B5/B14



Таблицы выбора

Technical data

P_1 [кВт]	n_2 [об/мин]	M_2 [Нм]	sf	i				P_1 [кВт]	n_2 [об/мин]	M_2 [Нм]	sf	i										
0.55																						
71B2 (2800 об/мин)	140	32	1.7	20	CM050			71C4 (1400 об/мин)	35	110	2.1	40	CM075		B5							
	112	38	1.3	25	CM050				28	129	1.6	50	CM075		B5							
	93	44	1.5	30	CM050				23	149	1.4	60	CM075		B5							
	70	56	1.1	40	CM050				23	165	1.9	60		CMP071/075	B14							
	56	67	0.9	50	CM050				19	199	1.4	75		CMP071/075	B14							
									18	180	1.1	80	CM075		B5							
	47	83	1.0	60		CMP071/050	B14		16	232	1.6	90		CMP071/075	B14							
	37	99	0.8	75		CMP071/050	B14															
	31	113	0.9	90		CMP071/050	B14		14	210	0.8	100	CM075		B5							
									12	287	1.2	120		CMP071/075	B14							
	70	57	2.0	40	CM063		B5/B14		9.3	336	0.9	150		CMP071/075	B14							
	56	68	1.5	50	CM063		B5/B14		7.8	377	0.8	180		CMP071/075	B14							
	47	79	1.2	60	CM063		B5/B14															
	47	86	1.8	60		CMP071/063	B14		18	192	1.6	80	CM090		B5							
	37	103	1.3	75		CMP071/063	B14		16	232	2.7	90		CMP071/090	B14							
	35	98	0.9	80	CM063		B5/B14		14	225	1.2	100	CM090		B5							
	31	116	1.6	90		CMP071/063	B14		12	291	2.0	120		CMP071/090	B14							
	23	143	1.1	120		CMP071/063	B14		9.3	336	1.5	150		CMP071/090	B14							
	19	168	0.9	150		CMP071/063	B14		7.8	390	1.2	180		CMP071/090	B14							
									5.8	468	0.9	240		CMP071/090	B14							
47	79	1.8	60	CM075		B5	80A4															
47	88	2.9	60		CMP071/075	B14	(1400 об/мин)	280	17	4.5	5	CM050			B5/B14							
37	106	2.2	75		CMP071/075	B14		187	24	3.2	7.5	CM050			B5/B14							
35	96	1.3	80	CM075		B5		140	32	2.6	10	CM050			B5/B14							
31	121	2.5	90		CMP071/075	B14		93	46	1.8	15	CM050			B5/B14							
28	113	1.0	100	CM075		B5		70	59	1.2	20	CM050			B5/B14							
23	150	1.8	120		CMP071/075	B14		56	71	1.0	25	CM050			B5/B14							
19	176	1.4	150		CMP071/075	B14		47	81	1.1	30	CM050			B5/B14							
16	202	1.2	180		CMP071/075	B14																
12	243	0.9	240		CMP071/075	B14		70	61	2.2	20	CM063			B5/B14							
								56	73	1.8	25	CM063			B5/B14							
35	107	2.2	80	CM090		B5		47	84	2.0	30	CM063			B5/B14							
28	126	1.7	100	CM090		B5		35	105	1.4	40	CM063			B5/B14							
23	159	2.9	120		CMP071/090	B14		28	124	1.1	50	CM063			B5/B14							
19	188	2.2	150		CMP071/090	B14		23	142	0.9	60	CM063			B5/B14							
16	215	1.8	180		CMP071/090	B14		23	161	1.2	60		CMP080/063	B14								
12	265	1.3	240		CMP071/090	B14		19	193	0.9	75		CMP080/063	B14								
9.3	303	1.0	300		CMP071/090	B14		16	212	1.1	90		CMP080/063	B14								
71C4																						
(1400 об/мин)	280	17	2.5	5	CM040				35	110	2.1	40	CM075			B5/B14						
	187	24	1.8	7.5	CM040				28	129	1.6	50	CM075			B5/B14						
	140	32	1.4	10	CM040			23	149	1.4	60	CM075			B5/B14							
	93	46	1.0	15	CM040			23	165	1.9	60		CMP080/075	B14								
								19	199	1.4	75		CMP080/075	B14								
	140	32	2.6	10	CM050		B5/B14	18	180	1.1	80	CM075			B5/B14							
	93	46	1.8	15	CM050		B5/B14	16	232	1.6	90		CMP080/075	B14								
	70	59	1.2	20	CM050		B5/B14	14	210	0.8	100	CM075			B5/B14							
	56	71	1.0	25	CM050		B5/B14	12	287	1.2	120		CMP080/075	B14								
	47	81	1.1	30	CM050		B5/B14															
	35	101	0.8	40	CM050		B5/B14	18	192	1.6	80	CM090			B5/B14							
								16	232	2.7	90		CMP080/090	B14								
	70	61	2.2	20	CM063		B5/B14	14	225	1.2	100	CM090			B5/B14							
	56	73	1.8	25	CM063		B5/B14	12	291	2.0	120		CMP080/090	B14								
	47	84	2.0	30	CM063		B5/B14	9.3	336	1.5	150		CMP080/090	B14								
	35	105	1.4	40	CM063		B5/B14	7.8	390	1.2	180		CMP080/090	B14								
	28	124	1.1	50	CM063		B5/B14															
	23	142	0.9	60	CM063		B5/B14															
	23	161	1.2	60		CMP071/063	B14															
	19	193	0.9	75		CMP071/063	B14															
16	212	1.1	90		CMP071/063	B14																
12	265	0.8	120		CMP071/063	B14																

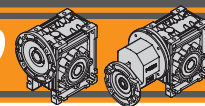


Таблицы выбора

Technical data

P ₁ [кВт]	n ₂ [об/мин]	M ₂ [Нм]	sf	i				P ₁ [кВт]	n ₂ [об/мин]	M ₂ [Нм]	sf	i			
0.55								0.75							
80A4 (1400 об/мин)	18	204	2.6	80	CM110		B5	80A2 (2800 об/мин)	560	12	4.6	5	CM050		B5/B14
	14	240	2.0	100	CM110		B5		373	17	3.3	7.5	CM050		B5/B14
	9.3	358	2.5	150		CMP080/110	B14		280	23	2.7	10	CM050		B5/B14
	7.8	410	2.0	180		CMP080/110	B14		187	33	1.9	15	CM050		B5/B14
	5.8	503	1.4	240		CMP080/110	B14		140	43	1.3	20	CM050		B5/B14
	4.7	574	1.1	300		CMP080/110	B14		112	52	1.0	25	CM050		B5/B14
									93	60	1.1	30	CM050		B5/B14
	7.8	424	2.6	180		CMP080/130	B14								
	5.8	512	1.9	240		CMP080/130	B14		140	43	2.4	20	CM063		B5/B14
	4.7	585	1.5	300		CMP080/130	B14		112	53	1.8	25	CM063		B5/B14
							93	61	2.1	30	CM063		B5/B14		
80B6 (900 об/мин)	180	26	3.4	5	CM050		B5/B14	70	78	1.4	40	CM063		B5/B14	
	120	37	2.5	7.5	CM050		B5/B14	56	93	1.1	50	CM063		B5/B14	
	90	49	1.9	10	CM050		B5/B14	47	107	0.9	60	CM063		B5/B14	
	60	69	1.4	15	CM050		B5/B14								
	45	88	0.9	20	CM050		B5/B14	47	117	1.3	60		CMP080/063	B14	
								37	141	1.0	75		CMP080/063	B14	
	60	71	2.5	15	CM063		B5/B14	31	158	1.2	90		CMP080/063	B14	
	45	91	1.7	20	CM063		B5/B14								
	36	109	1.3	25	CM063		B5/B14	70	80	2.3	40	CM075		B5/B14	
	30	123	1.5	30	CM063		B5/B14	56	96	1.7	50	CM075		B5/B14	
	23	152	1.1	40	CM063		B5/B14	47	111	1.4	60	CM075		B5/B14	
	18	178	0.8	50	CM063		B5/B14	47	120	2.1	60		CMP080/075	B14	
	15	230	1.0	60		CMP080/063	B14	37	145	1.6	75		CMP080/075	B14	
	12	270	0.8	75		CMP080/063	B14	35	139	1.0	80	CM075		B5/B14	
	10	309	0.9	90		CMP080/063	B14	31	165	1.9	90		CMP080/075	B14	
								28	161	0.8	100	CM075		B5/B14	
	36	112	2.0	25	CM075		B5/B14	23	205	1.3	120		CMP080/075	B14	
	30	128	2.4	30	CM075		B5/B14								
	23	159	1.7	40	CM075		B5/B14	35	145	1.6	80	CM090		B5/B14	
	18	187	1.3	50	CM075		B5/B14	31	171	3.1	90		CMP080/090	B14	
	15	214	1.1	60	CM075		B5/B14	28	171	1.2	100	CM090		B5/B14	
	15	237	1.7	60		CMP080/075	B14	23	217	2.1	120		CMP080/090	B5/B14	
	12	283	1.2	75		CMP080/075	B14	19	256	1.6	150		CMP080/090	B14	
	11	257	0.8	80	CM075		B5/B14	16	293	1.3	180		CMP080/090	B14	
	10	324	1.4	90		CMP080/075	B14								
	7.5	391	1.0	120		CMP080/075	B14	28	179	2.0	100	CM110		B5	
								19	267	2.8	150		CMP080/110	B14	
	15	228	1.7	60	CM090		B5/B14	16	307	2.2	180		CMP080/110	B14	
	15	247	2.7	60		CMP080/090	B14	12	379	1.6	240		CMP080/110	B14	
	12	296	2.0	75		CMP080/090	B14	9.3	444	1.2	300		CMP080/110	B14	
	11	280	1.2	80	CM090		B5/B14								
	10	340	2.3	90		CMP080/090	B14	16	316	2.9	180		CMP080/130	B14	
	9	321	1.0	100	CM090		B5/B14	12	385	2.2	240		CMP080/130	B14	
	7.5	350	1.9	120		CMP080/090	B14	9.3	444	1.7	300		CMP080/130	B14	
	6.0	489	1.2	150		CMP080/090	B14								
	5.0	546	0.9	180		CMP080/090	B14	80B4 (1400 об/мин)	280	23	3.3	5	CM050		B5/B14
								187	33	2.4	7.5	CM050		B5/B14	
	11	294	2.1	80	CM110		B5	140	43	1.9	10	CM050		B5/B14	
	9	344	1.6	100	CM110		B5	93	63	1.3	15	CM050		B5/B14	
	7.5	446	2.7	120		CMP080/110	B14	70	81	0.9	20	CM050		B5/B14	
	6.0	523	2.0	150		CMP080/110	B14	56	97	0.7	25	CM050		B5/B14	
	5.0	587	1.6	180		CMP080/110	B14	47	111	0.8	30	CM050		B5/B14	
	3.8	700	1.1	240		CMP080/110	B14								
	3.0	789	0.9	300		CMP080/110	B14								
5.0	587	2.2	180		CMP080/130	B14									
3.8	700	1.6	240		CMP080/130	B14									
3.0	824	1.2	300		CMP080/130	B14									

CM/CMP

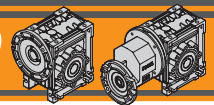


Таблицы выбора

Technical data

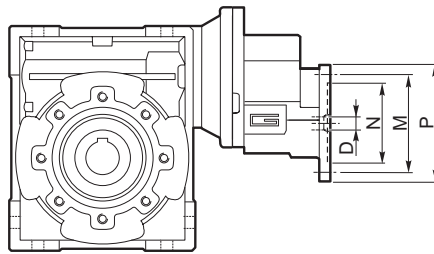
P_1 [кВт]	n_2 [об/мин]	M_2 [Нм]	sf	i				P_1 [кВт]	n_2 [об/мин]	M_2 [Нм]	sf	i			
5.5															
132SA2 (2800 об/мин)	373	127	3.2	7.5	CM110										
	280	167	2.7	10	CM110										
	187	248	2.0	15	CM110										
	140	326	1.5	20	CM110										
	112	403	1.2	25	CM110										
	140	326	2.1	20	CM130										
	112	403	1.6	25	CM130										
	93	461	1.7	30	CM130										
	70	600	1.3	40	CM130										
	187	250	3.0	7.5	CM130										
132S4 (1400 об/мин)	140	330	1.9	10	CM110										
	93	484	1.4	15	CM110										
	70	638	1.0	20	CM110										
	56	788	0.8	25	CM110										
	187	250	3.0	7.5	CM130										
	140	330	2.5	10	CM130										
	93	484	1.9	15	CM130										
	70	630	1.4	20	CM130										
	56	778	1.2	25	CM130										
	47	889	1.2	30	CM130										
35	1141	0.9	40	CM130											
7.5															
132SB2 (2800 об/мин)	373	173	2.4	7.5	CM110										
	280	228	2.0	10	CM110										
	187	338	1.5	15	CM110										
	140	445	1.1	20	CM110										
	112	550	0.9	25	CM110										
	187	338	2.1	15	CM130										
	140	445	1.5	20	CM130										
	112	550	1.2	25	CM130										
	93	629	1.3	30	CM130										
	70	819	0.9	40	CM130										
132MA4 (1400 об/мин)	187	341	1.6	7.5	CM110										
	140	450	1.4	10	CM110										
	93	660	1.0	15	CM110										
	70	870	0.8	20	CM110										
	187	341	2.2	7.5	CM130										
	140	450	1.8	10	CM130										
	93	660	1.4	15	CM130										
	70	860	1.1	20	CM130										
	56	1062	0.9	25	CM130										
	47	1213	0.9	30	CM130										

CM/CMP



Соединительные адаптеры для моторов IEC

IEC Motor adapters



CMP	IEC	N	M	P	D	i (i ₁ x i ₂)							
						60 (3x20)	75 (3x25)	90 (3x30)	120 (3x40)	150 (3x50)	180 (3x60)	240 (3x80)	300 (3x100)
056/030	56 B14	50	65	80	9								
056/040						B	B	B	B				
063/040	63 B14	60	75	90	11								
063/050						B	B	B					
063/063						BS	BS	BS	B	B	B		
071/050	71 B14	70	85	105	14								
071/063						B	B	B					
071/075						B	B	B	B				
071/090						BS	BS	BS	B	B	B		
080/063	80 B14	80	100	120	19								
080/075													
080/090						B	B	B					
080/110						BS	BS	B	B	B	B		
080/130						BS	BS	BS	BS	B	B	B	B
090/075	90 B14 90 B5	95 130	115 165	140 200	24								
090/090						B	B	B					
090/110						BS	BS	B	B	B	B		
090/130						BS	BS	BS	BS	B	B	B	B

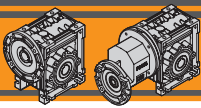
ВНИМАНИЕ

Серым выделены возможные варианты соединений редукторов с моторами в зависимости от габарита редуктора и его передаточного числа.

B/BS = Необходимо применение переходной втулки

N.B. Grey areas indicate motor inputs available on each size of unit.

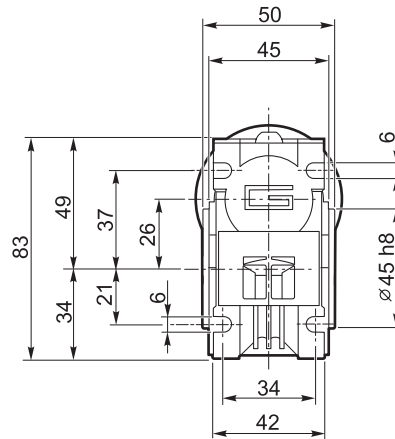
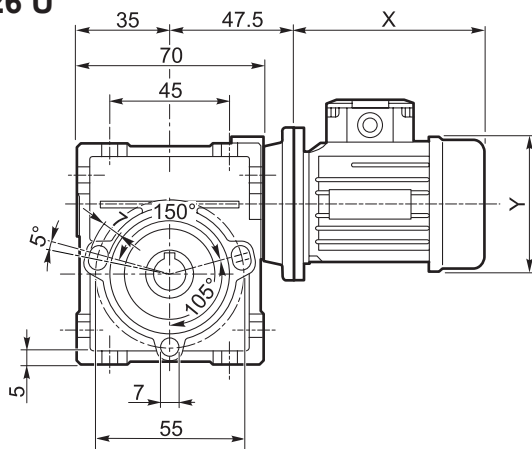
B/BS = Metal shaft sleeve



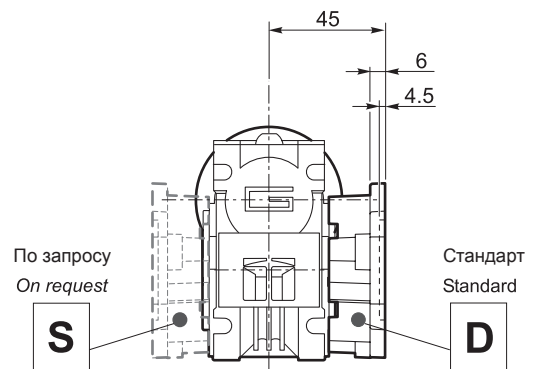
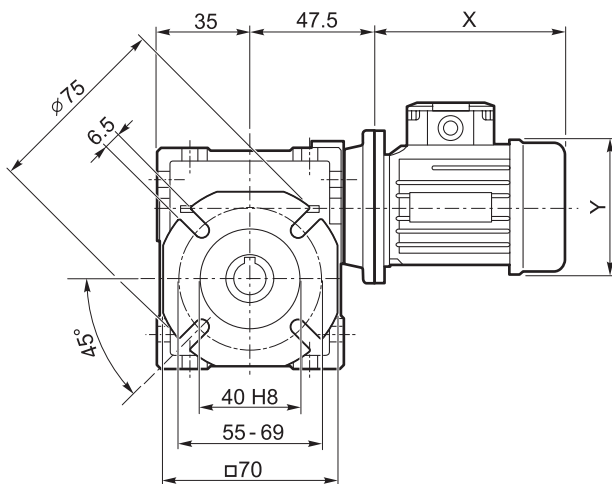
Габаритные размеры

Dimensions

CM 026 U

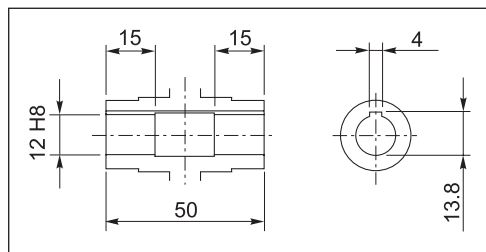
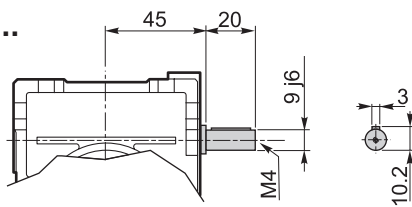


CM 026 FC



Kg
0.8

CMIS 026 ..

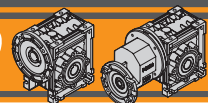


Выходной полый вал / Hollow output shaft

CM 026 .. с фланцем NEMA23 / with NEMA23 flange

Толщина фланца зависит от длины входного вала.
Flange's thickness may vary depending on motorshaft's length.

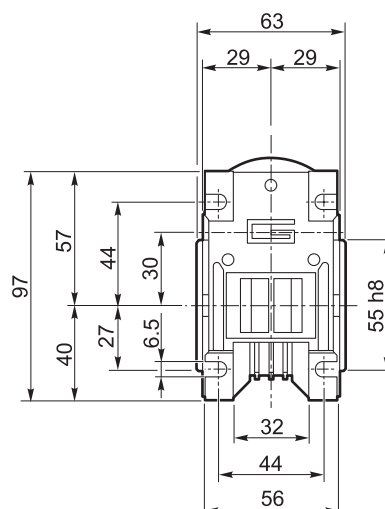
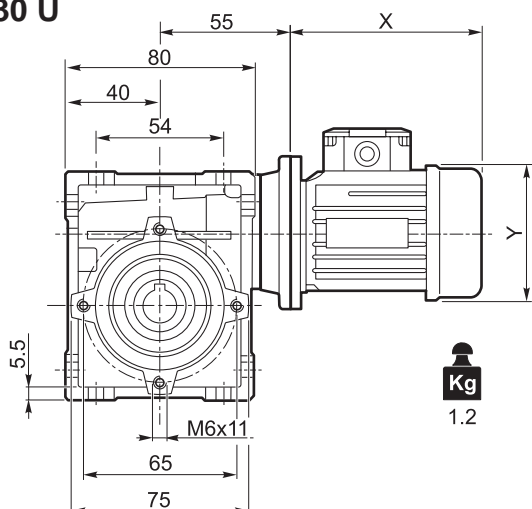
Валы соединяются посредством втулки или муфты в зависимости от диаметра вала двигателя.
Connection with sleeve or coupling depending on motorshaft's diameter.



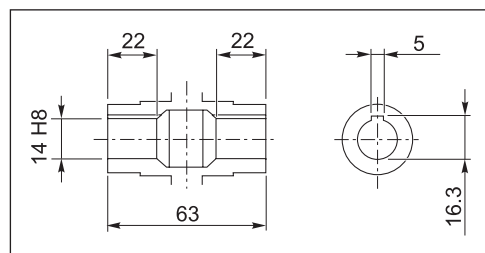
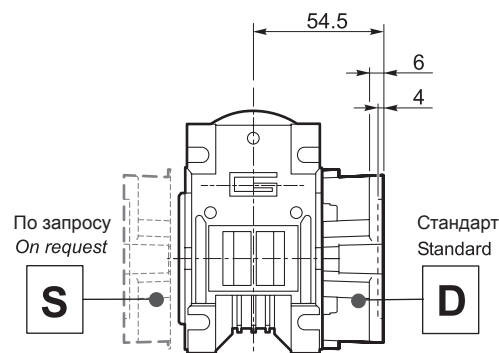
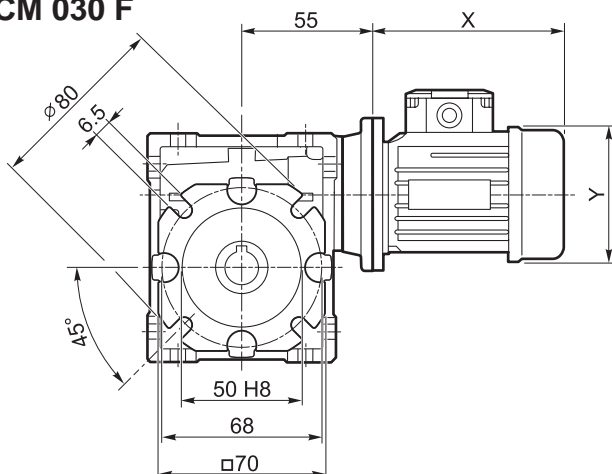
Габаритные размеры

Dimensions

CM 030 U

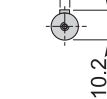
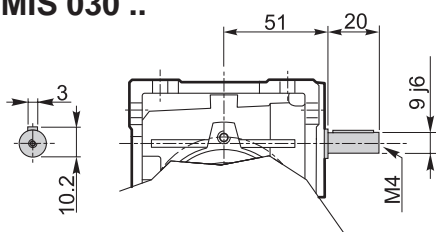


CM 030 F



Выходной полый вал / Hollow output shaft

CMIS 030 ..

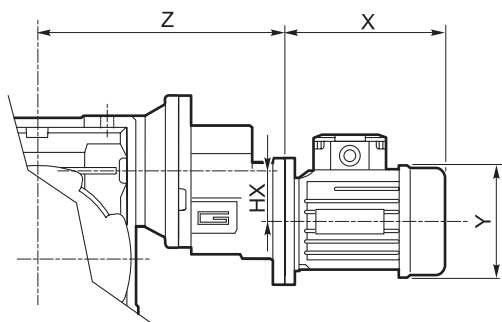


CM 030 .. с фланцем NEMA34 / with NEMA34 flange

Валы соединяются посредством втулки или муфты в зависимости от диаметра вала двигателя.
Connection with sleeve or coupling depending on motorshaft's diameter.

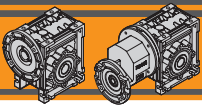
* Толщина фланца зависит от длины входного вала.
Flange's thickness may vary depending on motorshaft's length.

CMP ..



	HX	Z	Kg
056/030	30.5	124	2.1

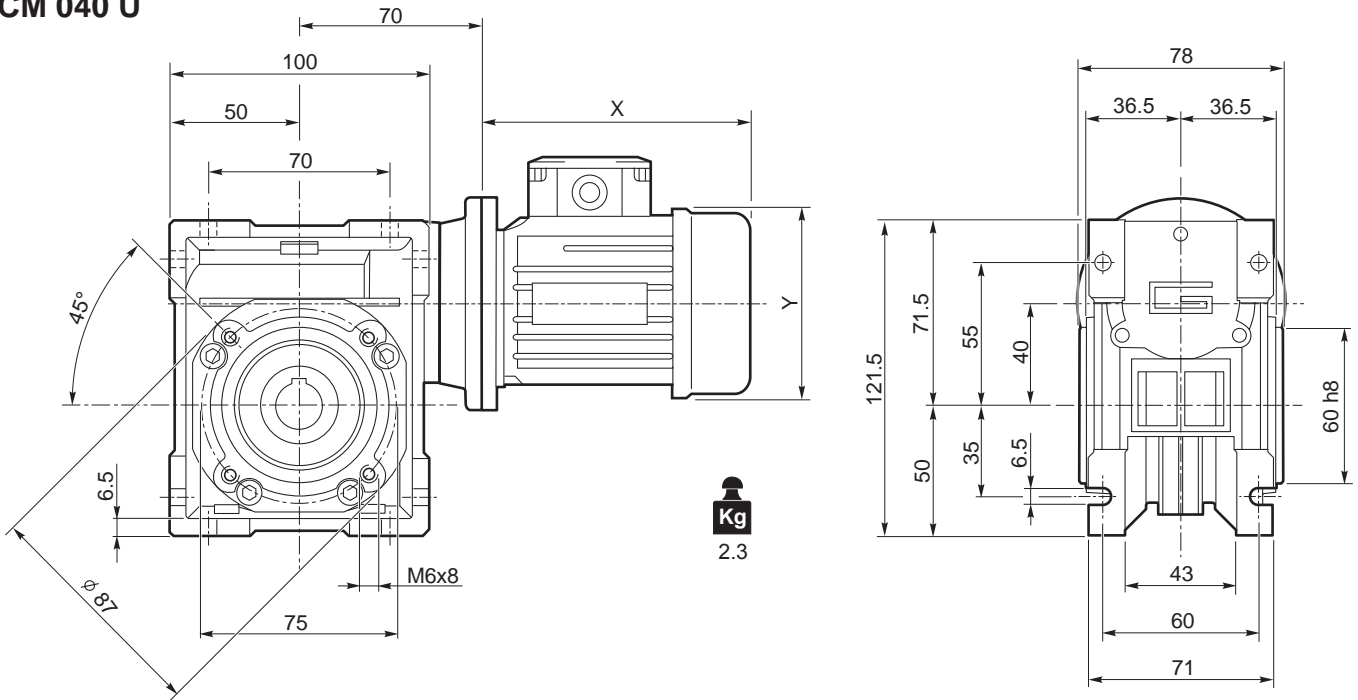
CM/CMP



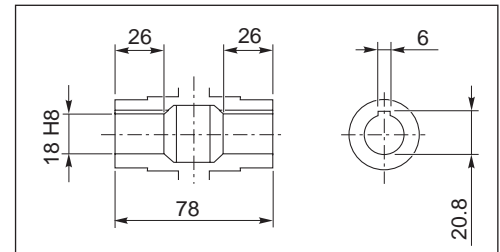
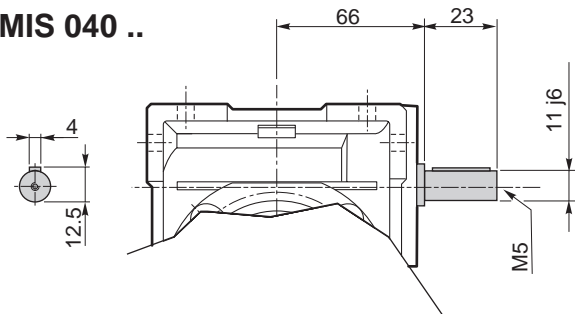
Габаритные размеры

Dimensions

CM 040 U

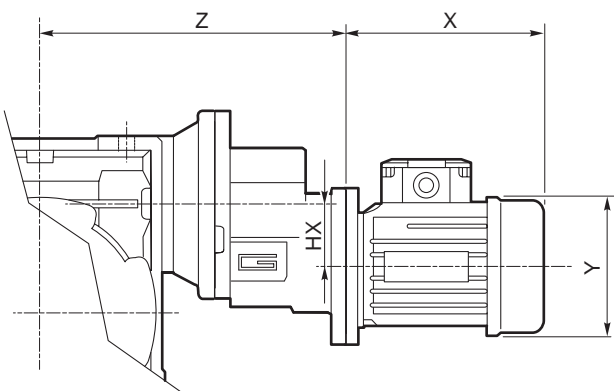


CMIS 040 ..



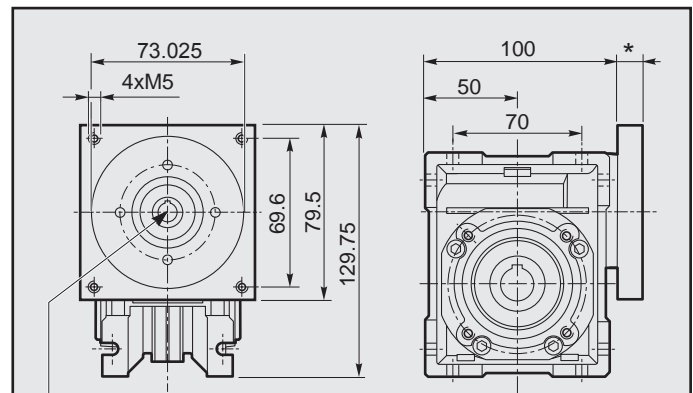
Выходной полый вал / Hollow output shaft

CMP ..



	HX	Z	Kg
056/040	30.5	139	3.2
063/040	30.5	142	3.3

CM 040 .. с фланцем NEMA34 / with NEMA34 flange

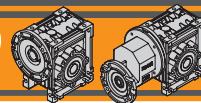


Валы соединяются посредством втулки или муфты в зависимости от диаметра вала двигателя.

Connection with sleeve or coupling depending on motorshaft's diameter.

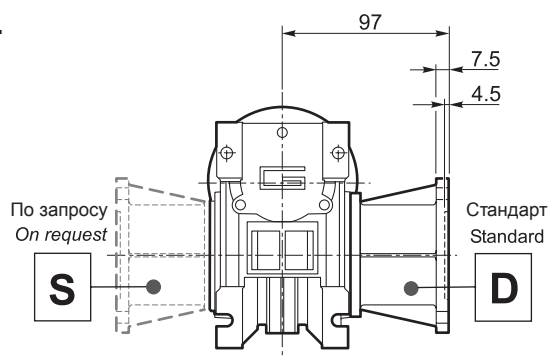
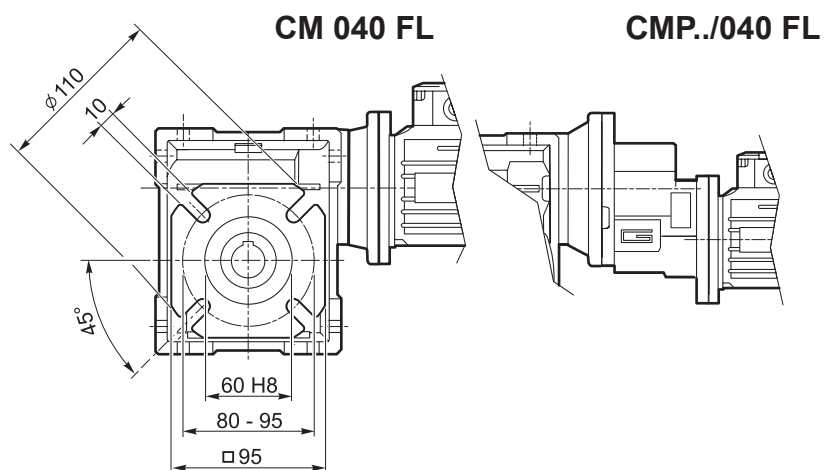
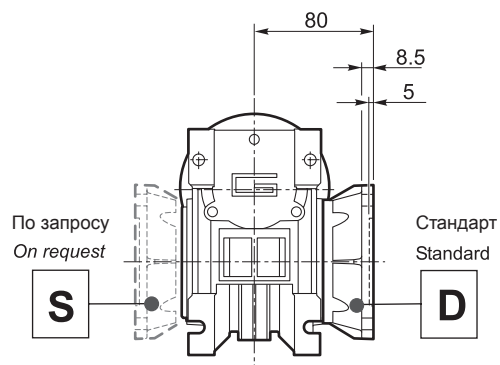
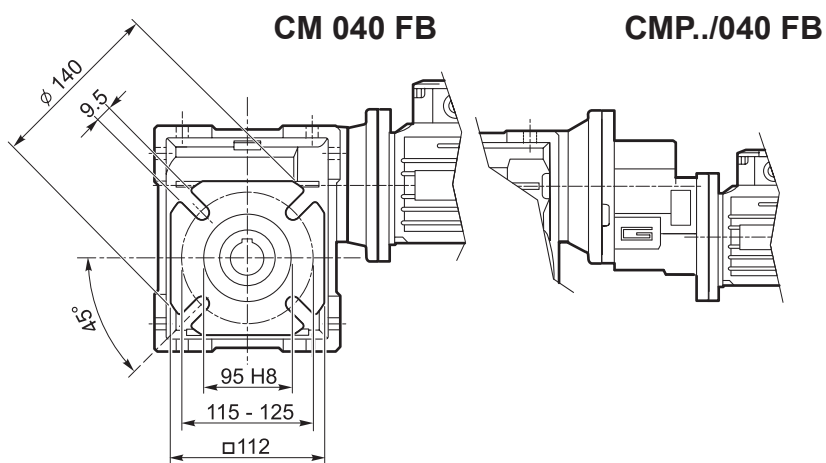
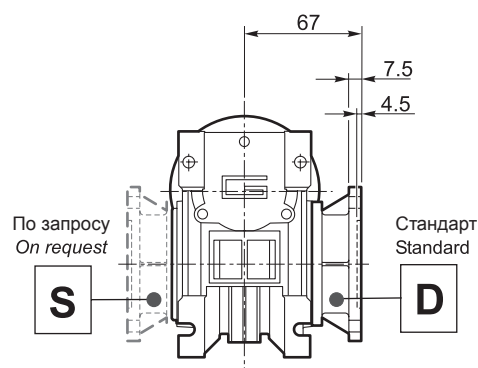
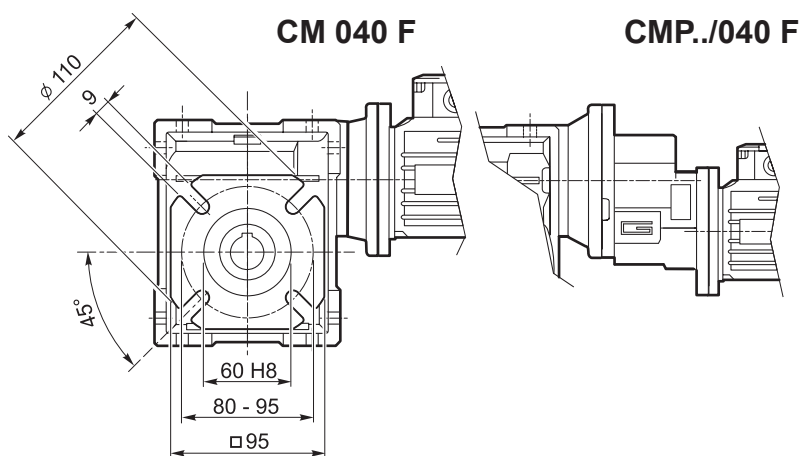
* Толщина фланца зависит от длины входного вала.

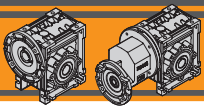
Flange's thickness may vary depending on motorshaft's length.



Габаритные размеры

Dimensions

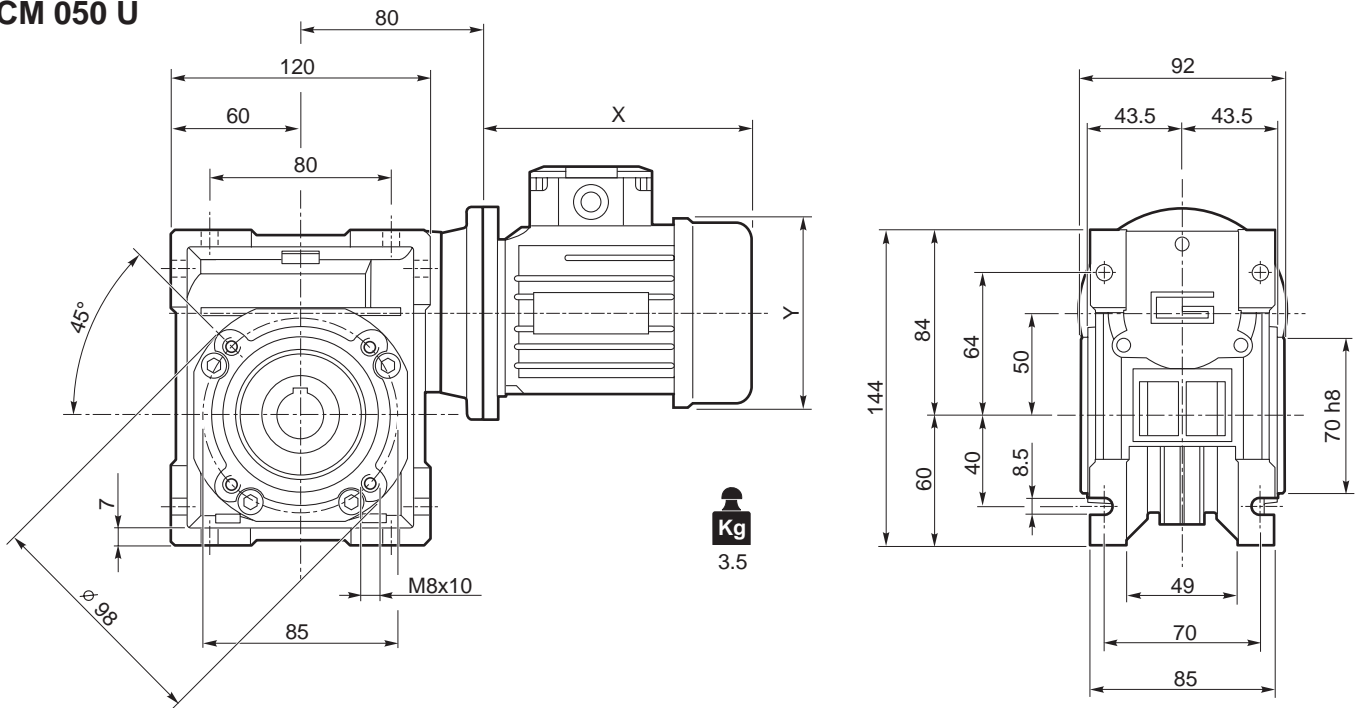




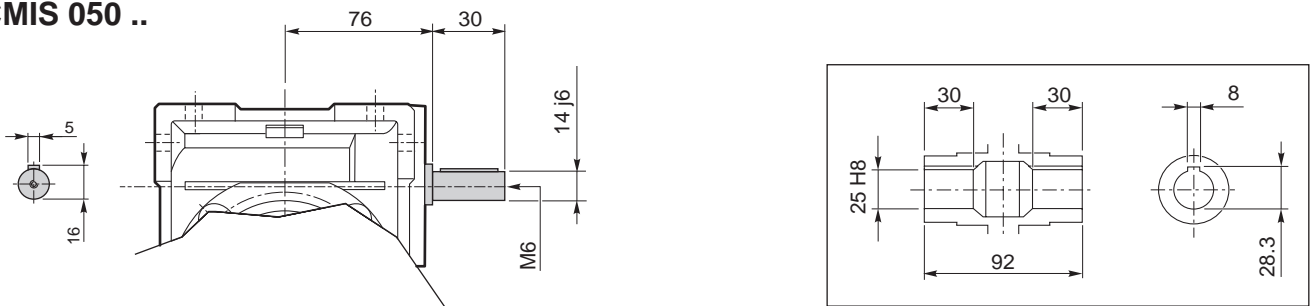
Габаритные размеры

Dimensions

CM 050 U

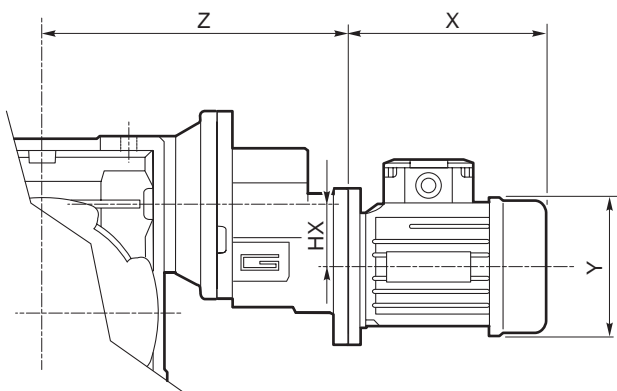


CMIS 050 ..



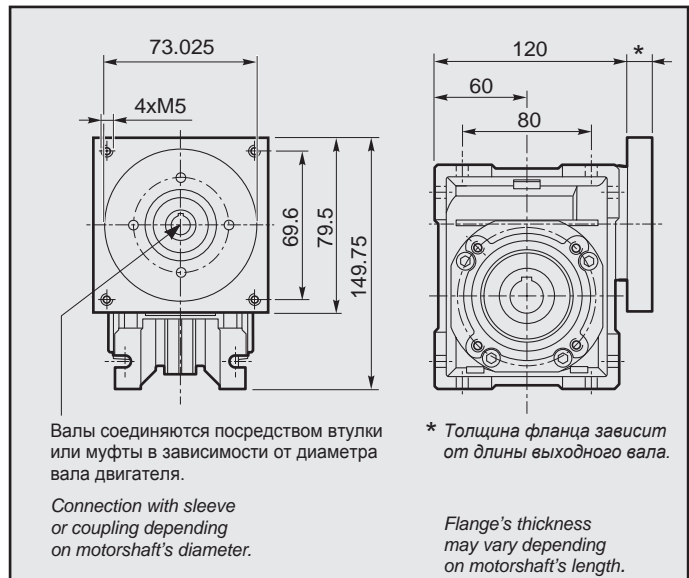
Выходной полый вал / Hollow output shaft

CMP ..



	HX	Z	Kg
063/050	30.5	152	4.5
071/050	41	169	5.5

CM 050 .. с фланцем NEMA34 / with NEMA34 flange

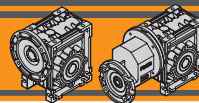


Валы соединяются посредством втулки или муфты в зависимости от диаметра вала двигателя.

Connection with sleeve or coupling depending on motorshaft's diameter.

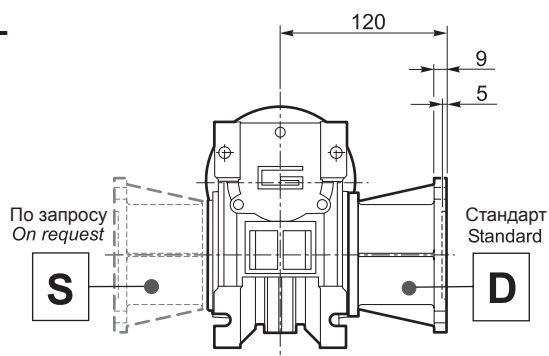
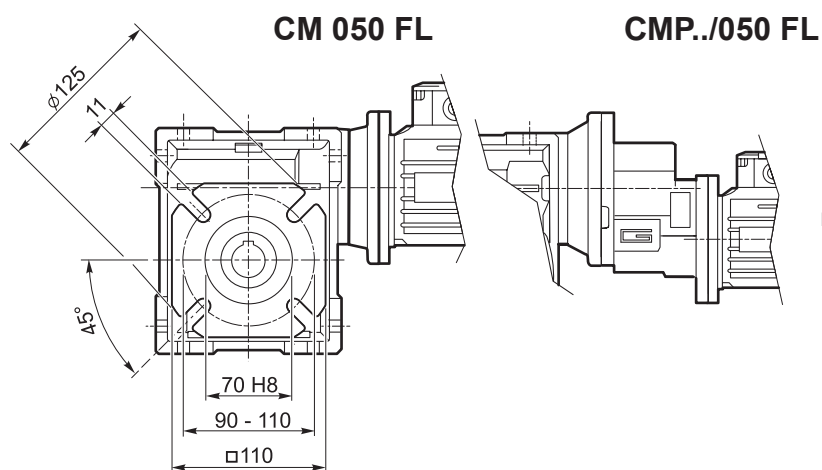
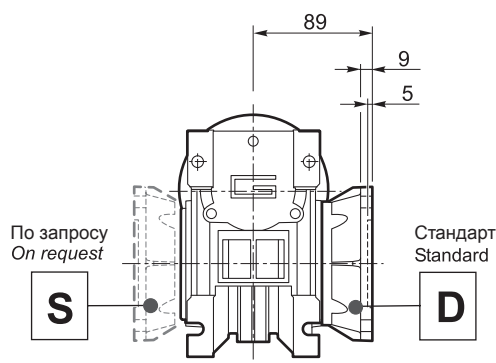
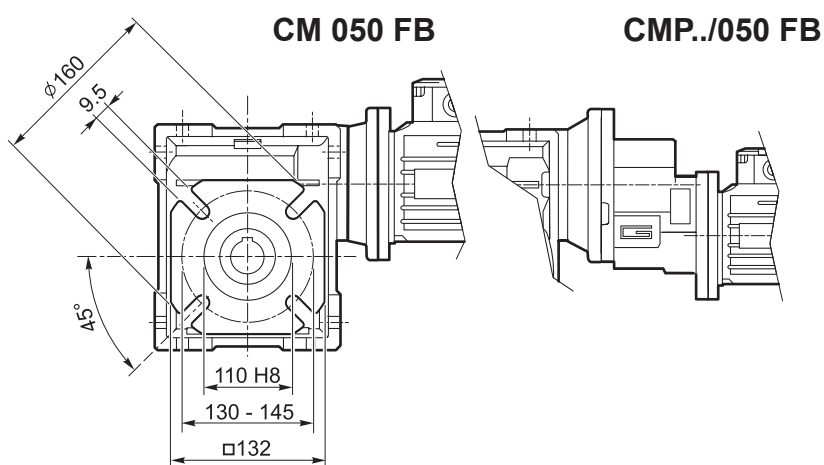
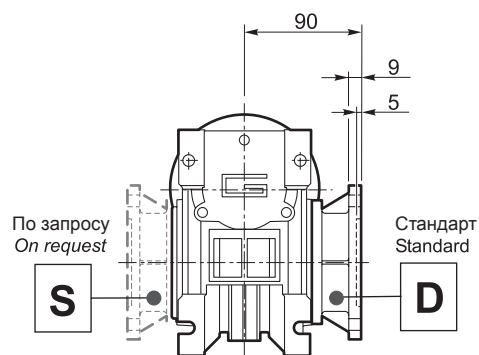
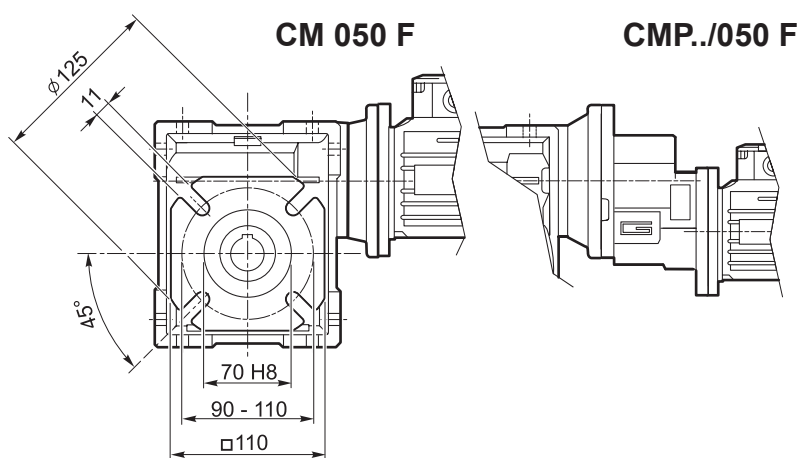
* Толщина фланца зависит от длины выходного вала.

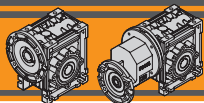
Flange's thickness may vary depending on motorshaft's length.



Габаритные размеры

Dimensions

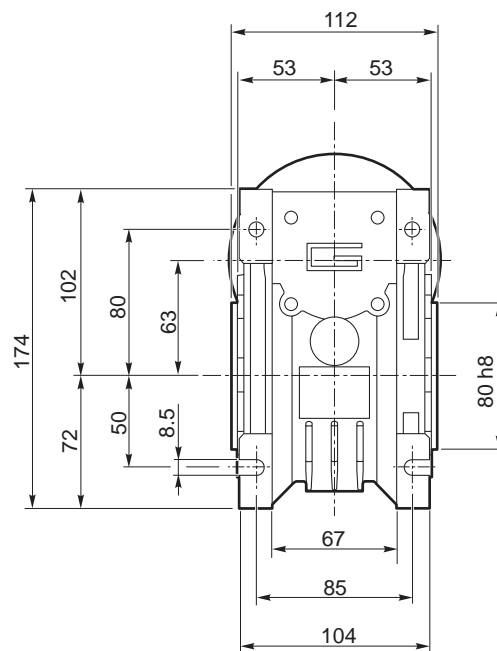
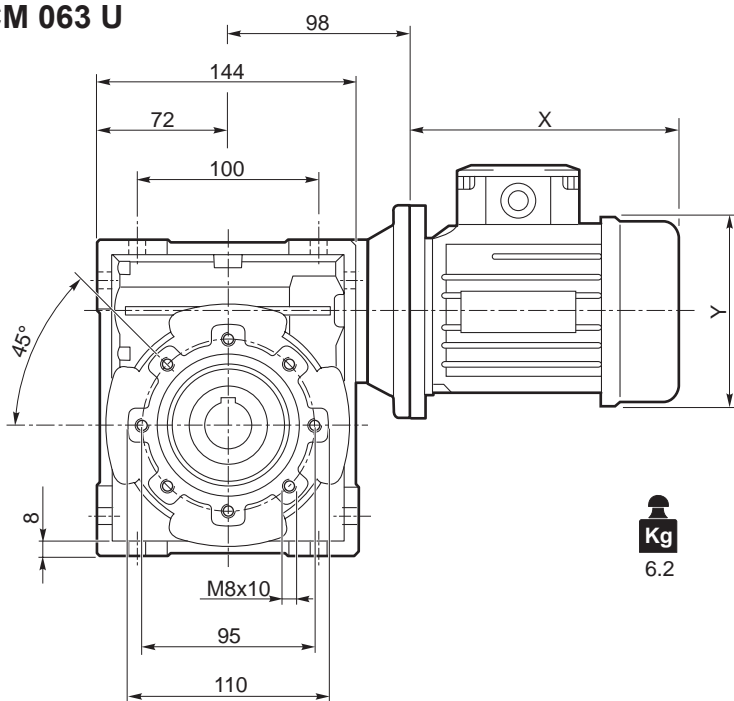




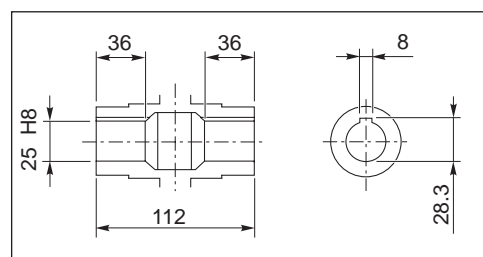
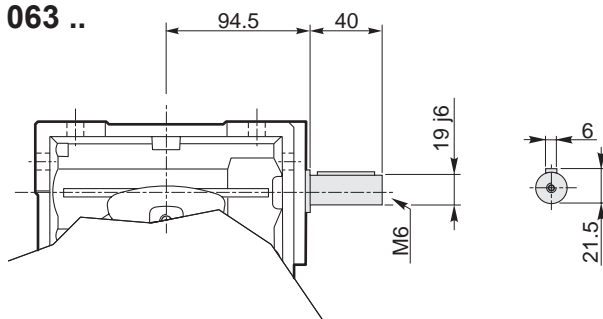
Габаритные размеры

Dimensions

CM 063 U

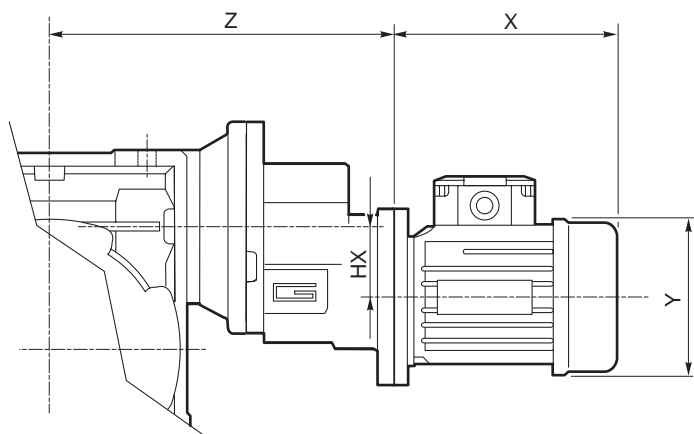


CMIS 063 ..

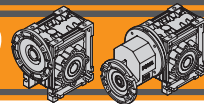


Выходной полый вал / Hollow output shaft

CMP ..

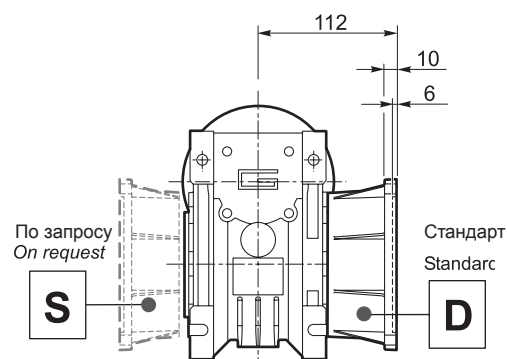
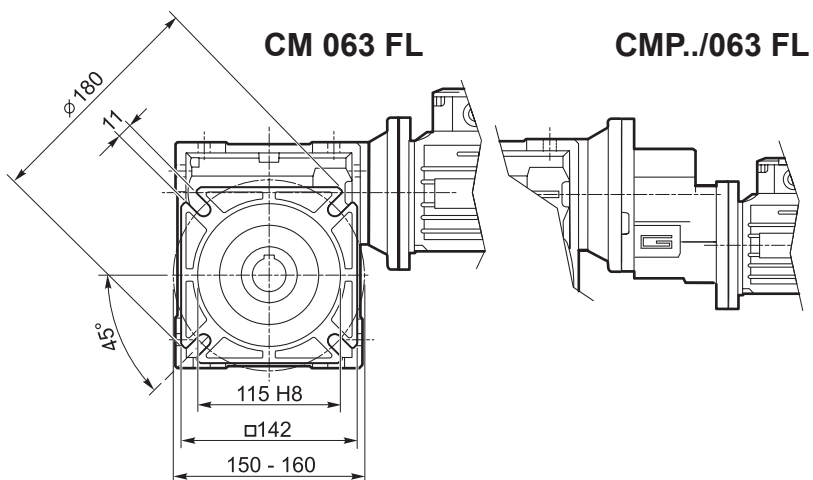
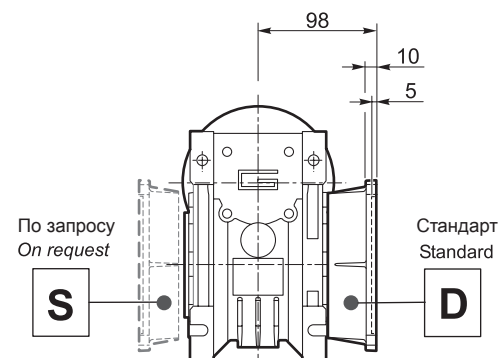
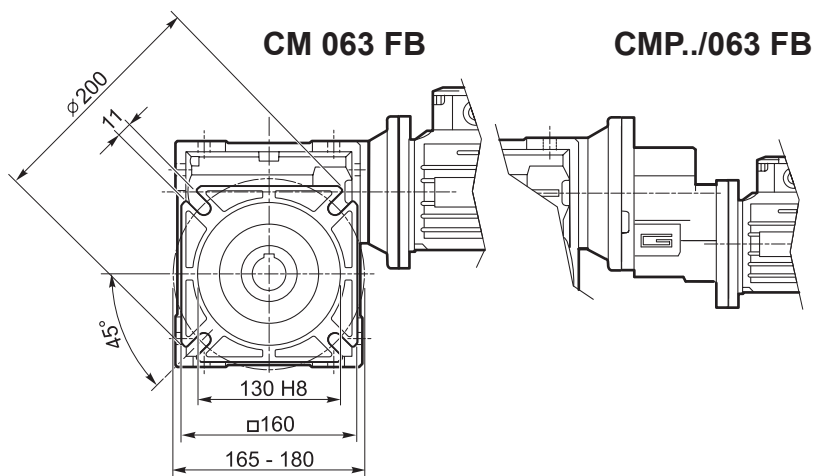
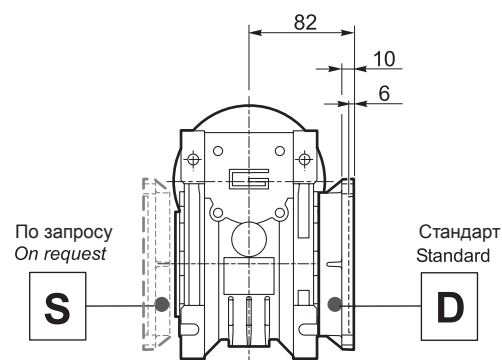
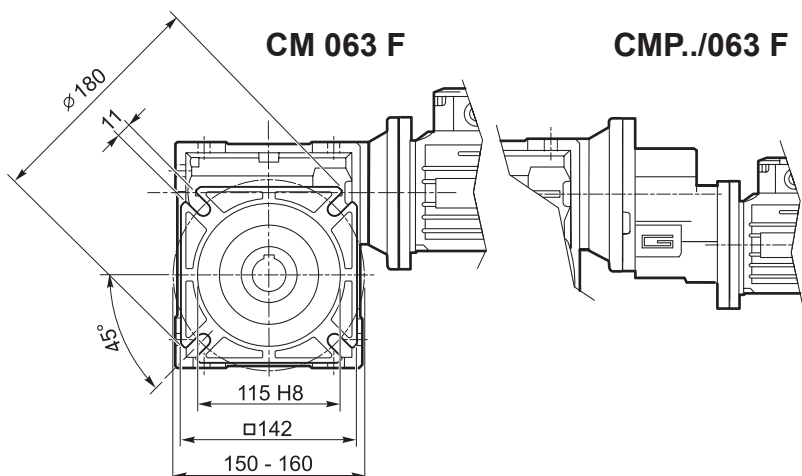


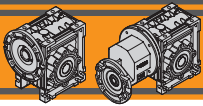
	HX	Z	Kg
063/063	30.5	170	7.2
071/063	41	187	8.2
080/063	41	198	9.0



Габаритные размеры

Dimensions

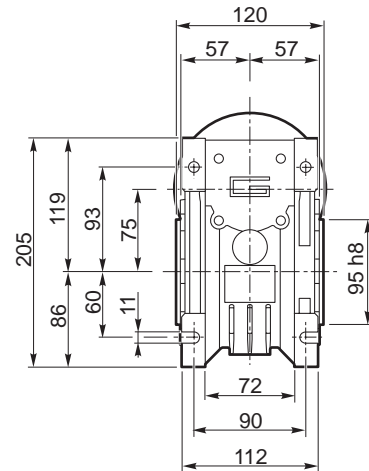
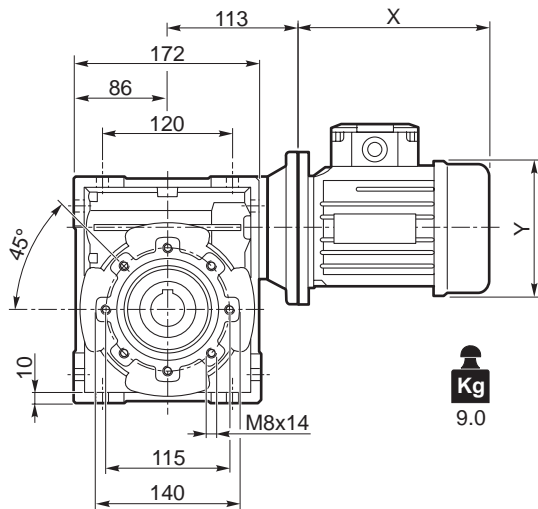




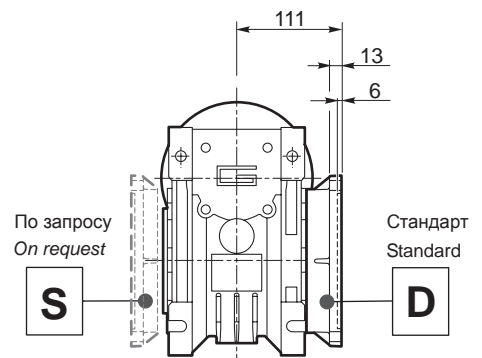
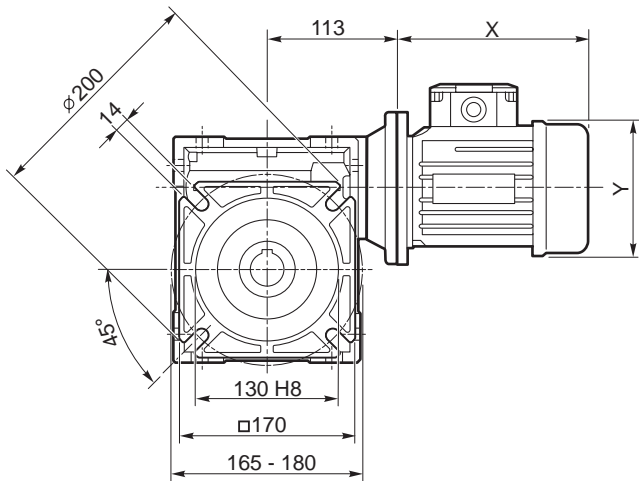
Габаритные размеры

Dimensions

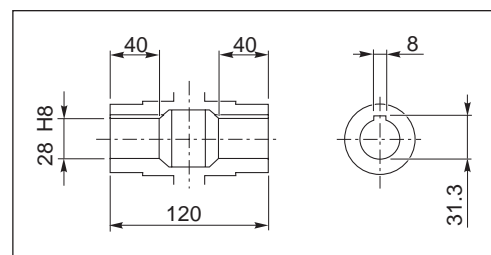
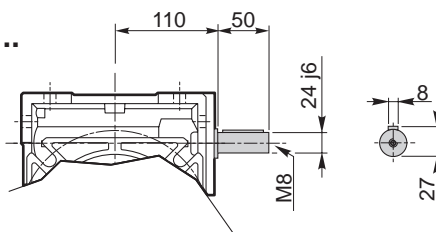
CM 075 U



CM 075 F

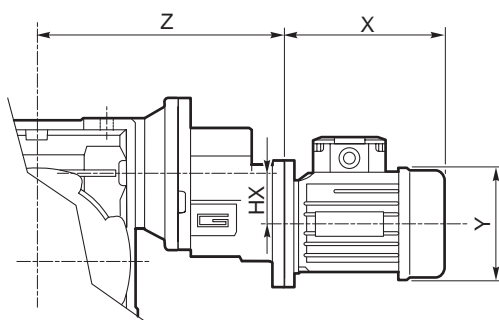


CMIS 075 ..

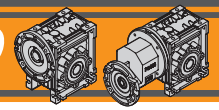


Выходной полый вал / Hollow output shaft

CMP ..



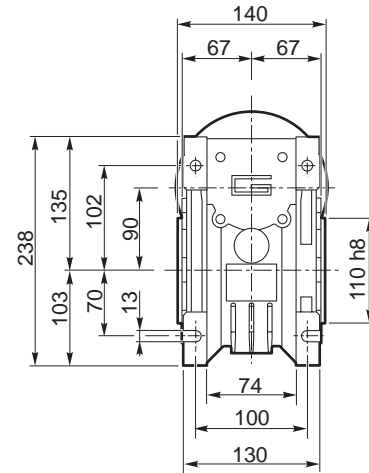
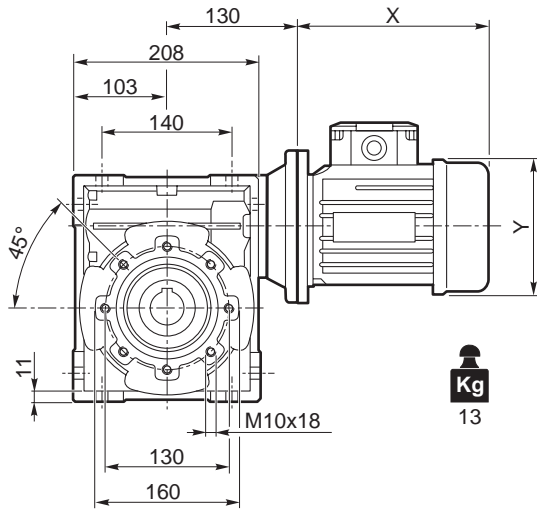
	HX	Z	Kg
071/075	41	202	11.0
080/075	41	213	11.8
090/075	36.5	267	12.5



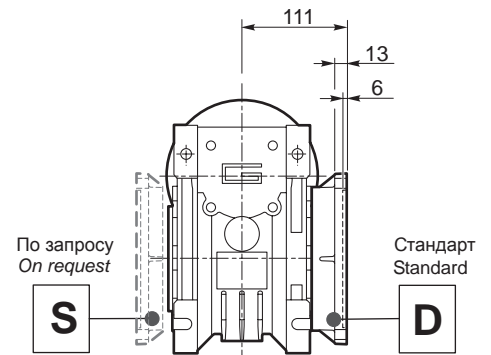
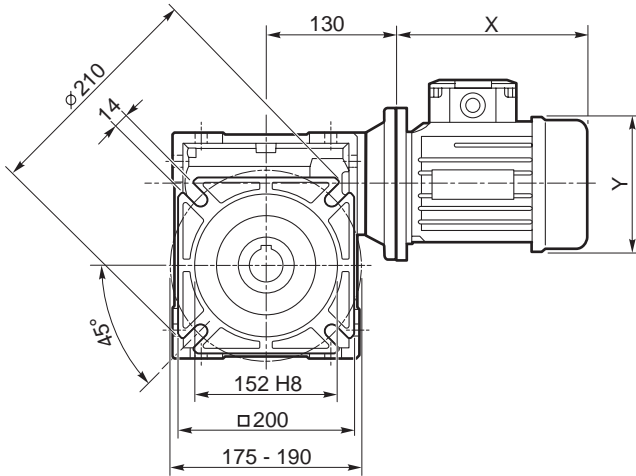
Габаритные размеры

Dimensions

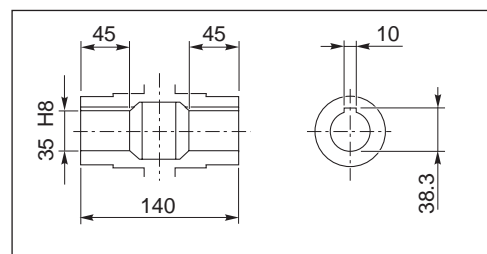
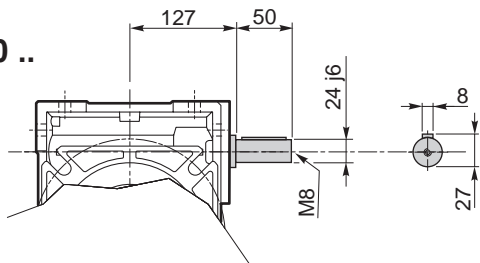
CM 090 U



CM 090 F

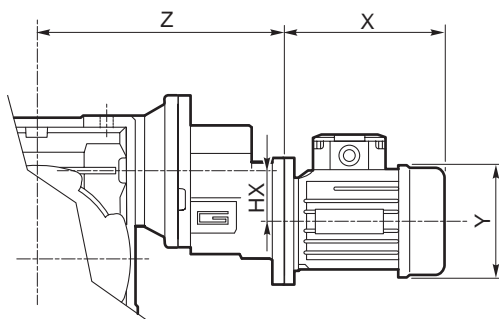


CMIS 090 ..

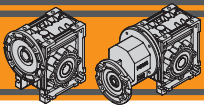


Выходной полый вал / Hollow output shaft

CMP ..



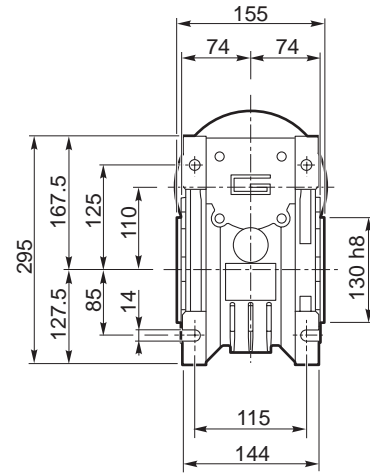
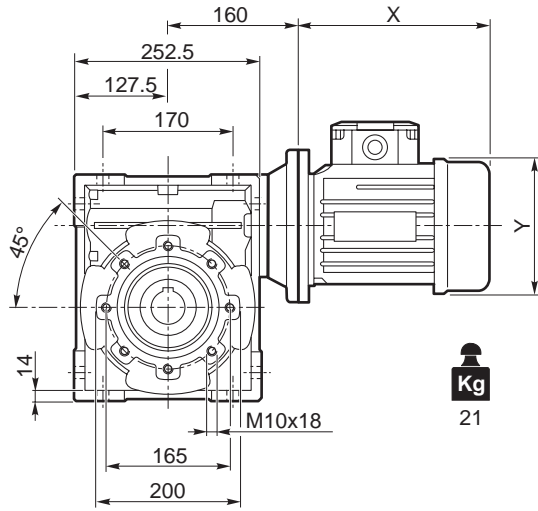
	HX	Z	Kg
071/090	41	219	15.0
080/090	41	230	15.8
090/090	36.5	284	16.5



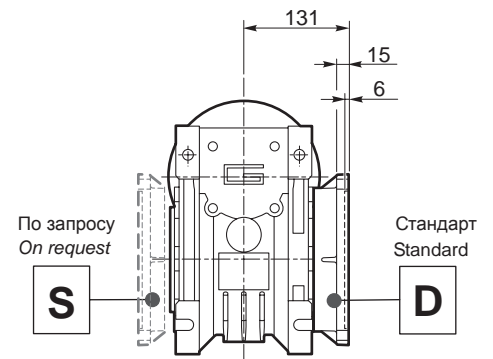
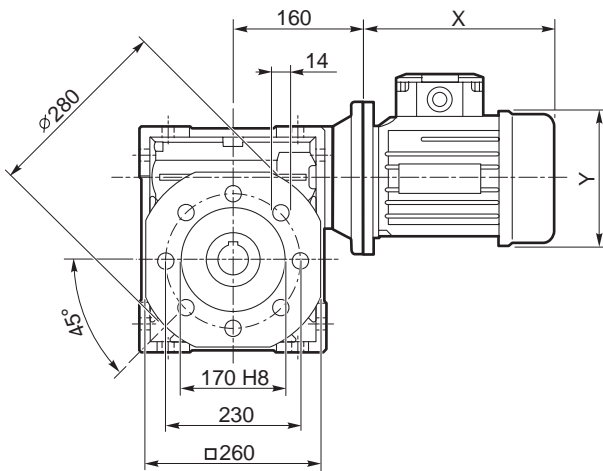
Габаритные размеры

Dimensions

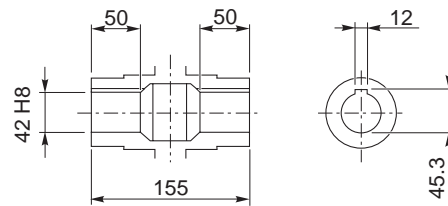
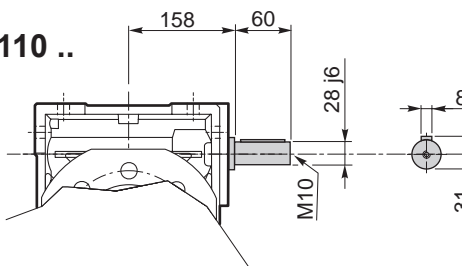
CM 110 U



CM 110 F

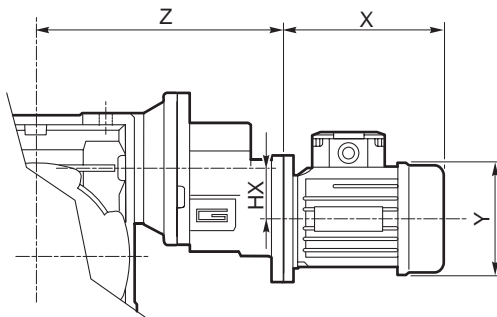


CMIS 110 ..

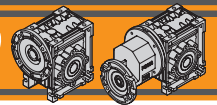


Выходной полый вал / Hollow output shaft

CMP ..



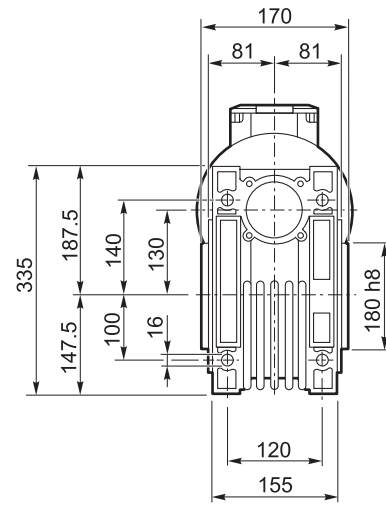
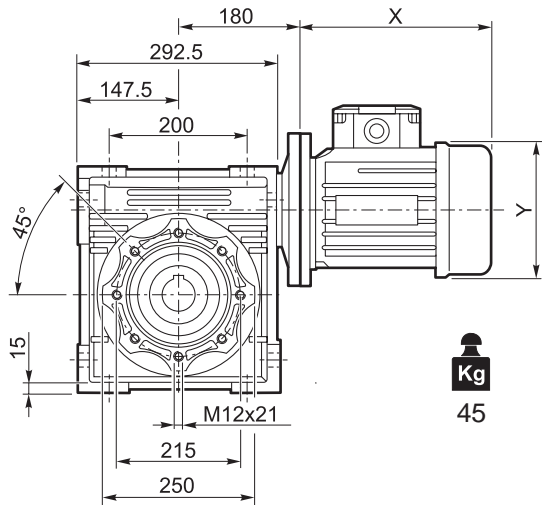
	HX	Z	Kg
080/110	41	260	23.8
090/110	36.5	314	24.5



Габаритные размеры

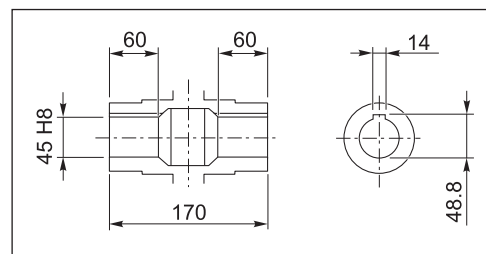
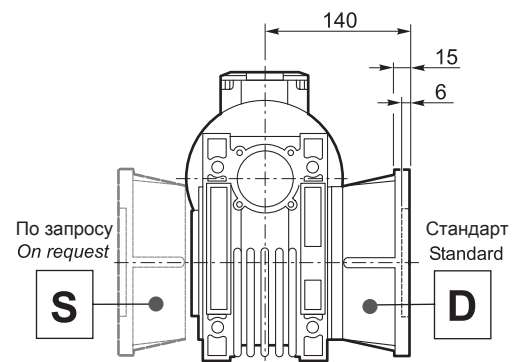
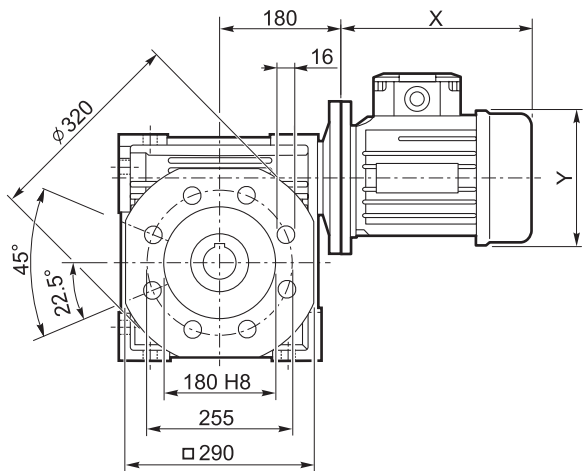
Dimensions

CM 130 U



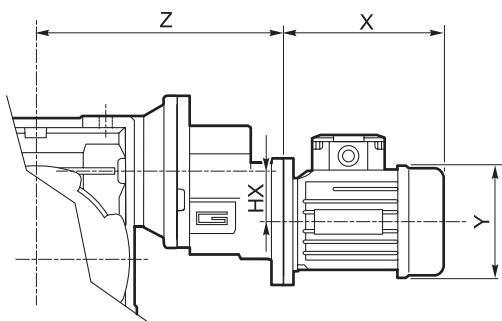
CM/CMP

CM 130 F

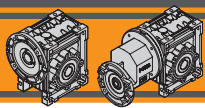


Выходной полый вал / Hollow output shaft

CMP ..



	HX	Z	Kg
080/130	41	280	47.8
090/130	36.5	334	48.5

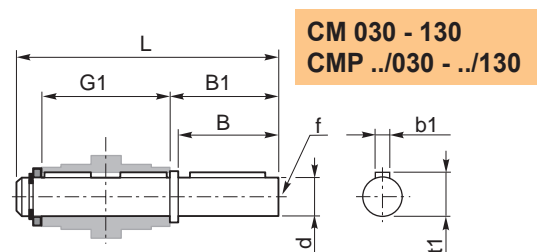
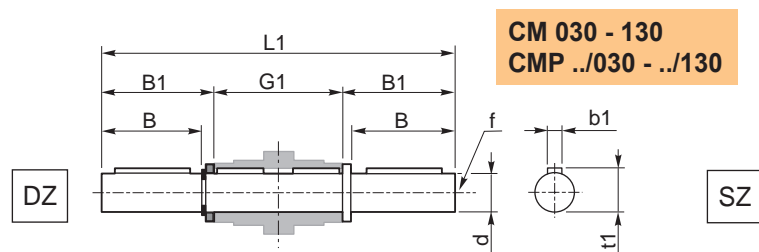


Аксессуары

Accessories

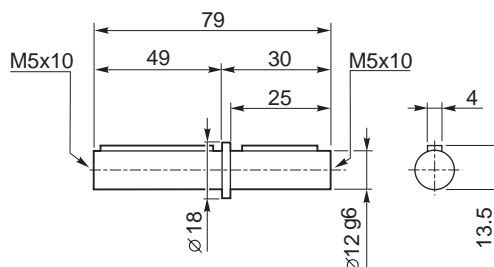
Одно- и двухсторонний выходной вал

Single and double output shaft



CM	CMP	d _{h7}	B	B1	G1	L	L1	f	b1	t1
030	056/030	14	30	32.5	63	102	128	M6	5	16
040	056/040 063/040	18	40	43	78	128	164	M6	6	20.5
050	063/050 071/050	25	50	53.5	92	153	199	M10	8	28
063	063/063 071/063 080/063	25	50	53.5	112	173	219	M10	8	28
075	071/075 080/075 090/075	28	60	63.5	120	192	247	M10	8	31
090	071/090 080/090 090/090	35	80	84.5	140	234	309	M12	10	38
110	080/110 090/110	42	80	84.5	155	249	324	M16	12	45
130	080/130 090/130	45	80	85	170	265	340	M16	14	48.5

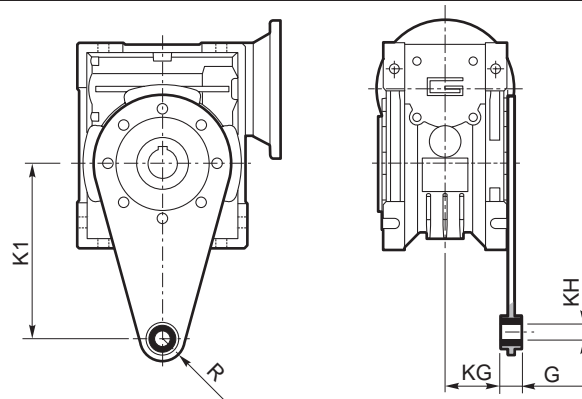
CM 026



Удерживающий рычаг

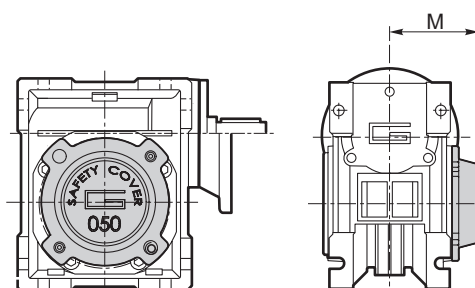
Torque arm

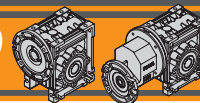
CM	CMP	K1	G	KG	KH	R
030	056/030	85	14	23	8	15
040	056/040 063/040	100	14	31	10	18
050	063/050 071/050	100	14	38	10	18
063	063/063 071/063 080/063	150	14	47.5	10	18
075	071/075 080/075 090/075	200	25	46.5	20	30
090	071/090 080/090 090/090	200	25	56.5	20	30
110	080/110 090/110	250	30	62	25	35
130	080/130 090/130	250	30	69	25	35



SC - Защитная крышка

CM	CMP	M
030	056/030	47
040	056/040 063/040	54.5
050	063/050 071/050	62.5
063	063/063 071/063 080/063	73
075	071/075 080/075 090/075	79
090	071/090 080/090 090/090	94
110	080/110 090/110	102
130	080/130 090/130	117



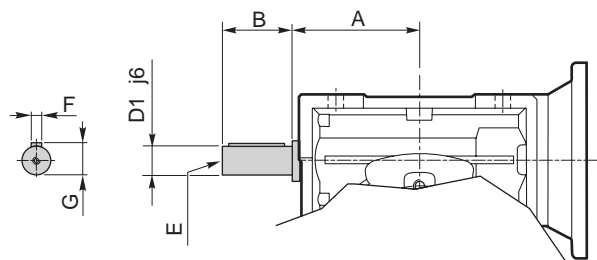


Опции

Options

VS - Дополнительный входной вал / *Extended input shaft*

CM	CMP	A	B	D ₁ j6	E	F	G
030	056/030	45	20	9	M4	3	10.2
040	056/040 063/040	53	23	11	M5	4	12.5
050	063/050 071/050	64	30	14	M6	5	16
063	063/063 071/063 080/063	75	40	19	M6	6	21.5
075	071/075 080/075 090/075	90	50	24	M8	8	27
090	071/090 080/090 090/090	108	50	24	M8	8	27
110	080/110 090/110	—	—	—	—	—	—
130	080/130 090/130	—	—	—	—	—	—



CM/CMP



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 TRANSTECNO SRL
Via Caduti di Sabbiuno, 11 D/E
40011 Anzola Emilia (BO) - ITALY
Tel. +39.051.6425811
Fax +39.051.734943
info@transtecno.com
www.transtecno.com

