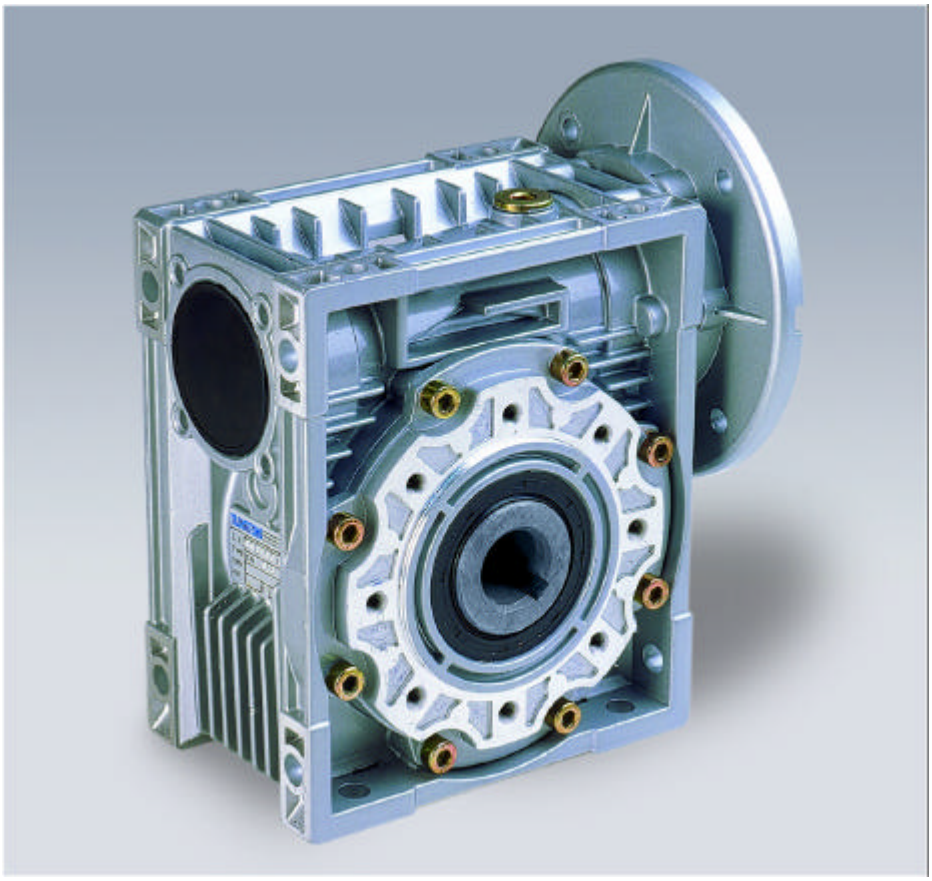
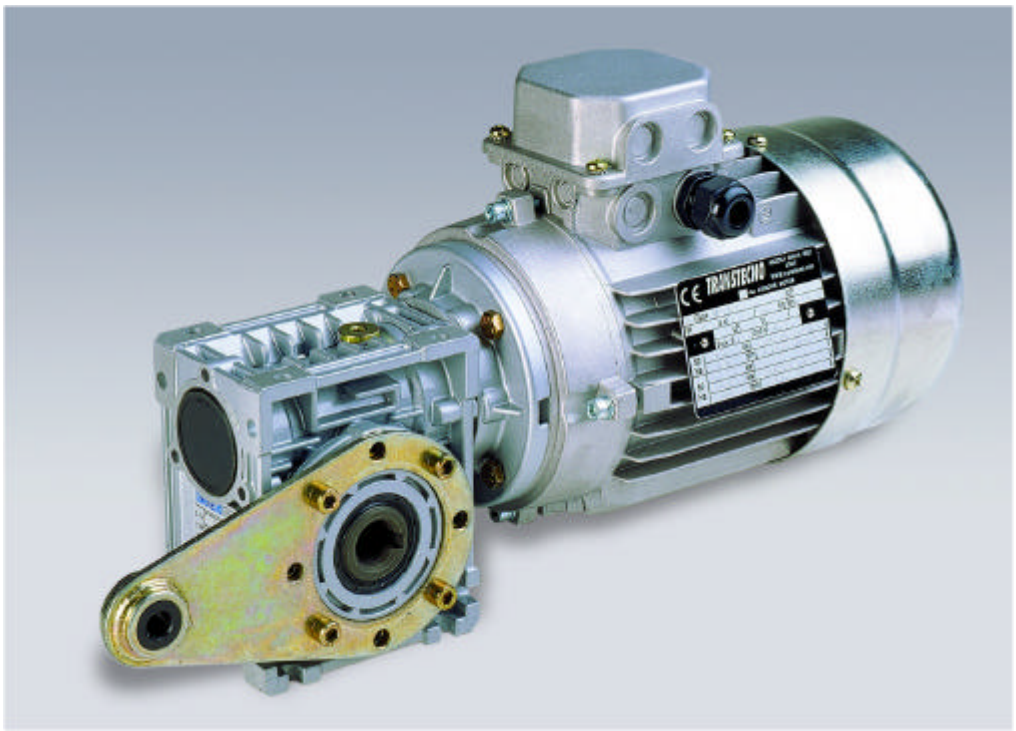
RIDUTTORI A VITE SENZA FINE SERIE CM





Caratteristiche tecniche / *Technical characteristics*

I riduttori a vite senza fine della serie CM proposti da **TRANSTECNO** hanno le seguenti caratteristiche principali:

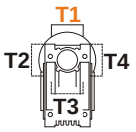
- Le grandezze 030, 040, 050, 063, 075 e 090 sono costruite con carcassa in Alluminio, le altre grandezze in ghisa.
- Grande coppia in uscita.
- Funzionamento fluido e silenzioso.
- Adatti per ogni tipo di applicazione.

*CM wormgearboxes offered by **TRANSTECNO** have the following characteristics:*

- *The frames 030, 040, 050, 063, 075 and 090 are constructed with the Aluminium body, larger sizes are made of cast iron.*
- *High output torque capacity.*
- *Quiet operation.*
- *Versatile for many application.*

Designazione / *Designation*

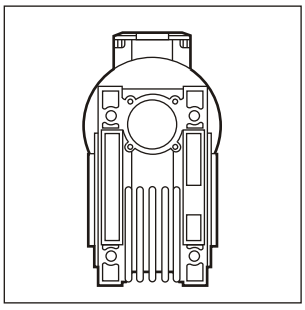
RIDUTTORE / *GEARBOX*							MOTORE / *MOTOR*				
CM	**050**	**FD**	**20**	**P71**	**B5**	**B3**	**71B4**	**B5**	**230/400**	**50Hz**	**T1**
Tipo *Type*	Grandezza *Size*	Versione *Version*	Rapporto *Ratio*	IEC	Forma costruttiva *Version*	Pos. di montaggio *Mounting position*	Grandezza *Size*	Forma costruttiva *Version*	Tensione *Voltage*	Frequenza *Frequency*	Pos. morsettiera *Terminal box pos.*
CM	**030** **040** **050** **063** **075** **090** **110** **130**	**U** **FD** **FS** **FBD** **FBS** **FLD** **FLS**	vedi tabelle *see tables*	**56..** **—** **132..**	**B5** **B14**	**B3** **B8** **B6** **B7** **V5** **V6**	**56..** **—** **132..**	**B5** **B14**	—	**50Hz** **60Hz**	**T1** **T2** **T3** **T4**



Versioni / Versions

I riduttori CM sono disponibili in quattro versioni:

CM gear units are available in four different versions:



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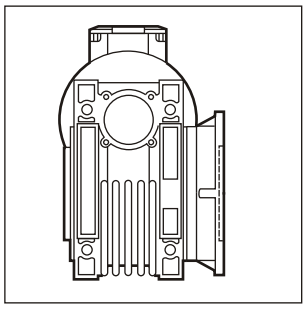

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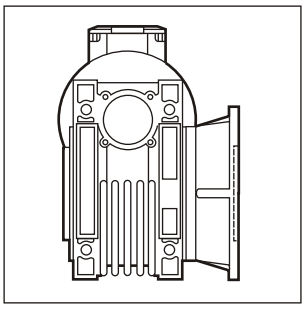

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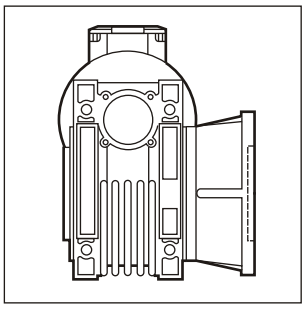


FL

Simbologia /*Symbols*

n_1	[min^{-1}]	Velocità in ingresso / *Input speed*
n_2	[min^{-1}]	Velocità in uscita / *Output speed*
i		Rapporto di riduzione / *Ratio*
P_1	[kW]	Potenza in entrata / *Input power*
M_n	[Nm]	Coppia nominale in uscita / *Nominal output torque*
M_2	[Nm]	Coppia in uscita in funzione di P_1 / *Output torque referred to P_1*

sf		Fattore di servizio / *Service factor*
RD	%	Rendimento dinamico / *Dynamic efficiency*
R_2	[N]	Carico radiale ammissibile in uscita / *Permitted output radial load*

Dati di dentatura / *Toothing data*

	Dati della coppia vite-corona *Worm wheel data*	Rapporto / *Ratio*										
		7.5	**10**	**15**	**20**	**25**	**30**	**40**	**50**	**60**	**80**	**100**
CM030	**Mx**	1.44	1.44	1.44	1.1	1.7	1.44	1.1	0.89	0.74	0.56	
	Z	4	3	2	2	1	1	1	1	1	1	
	β	18°55'	14°25'	9°44'	7°49'	5°33'	4°54'	3°55'	3°17'	2°43'	2°07'	
	ηd $_{(1400min^{-1})}$	83	82	77	73	68	66	59	55	52	45	
	ηs	66	64	55	51	41	39	33	30	26	22	
CM040	**Mx**	2.05	2.05	2.05	1.56	1.27	2.05	1.56	1.27	1.06	0.8	0.65
	Z	4	3	2	2	2	1	1	1	1	1	1
	β	23°54'	18°23'	12°30'	10°03'	8°45'	6°19'	5°04'	4°24'	3°42'	2°52'	2°29'
	ηd $_{(1400min^{-1})}$	86	84	81	77	71	68	65	63	58	55	47
	ηs	70	65	59	54	50	45	40	35	30	26	21
CM050	**Mx**	2.56	2.56	2.56	1.95	1.58	2.56	1.95	1.58	1.32	1	0.8
	Z	4	3	2	2	2	1	1	1	1	1	1
	β	23°49'	18°19'	12°27'	10°03'	8°33'	6°18'	5°04'	4°18'	3°38'	2°52'	2°17'
	ηd $_{(1400min^{-1})}$	86	84	81	78	75	71	67	63	58	52	47
	ηs	69	65	59	55	50	43	38	34	31	25	21
CM063	**Mx**	3.25	3.25	3.25	2.48	2	3.25	2.48	2	1.68	1.27	1.02
	Z	4	3	2	2	2	1	1	1	1	1	1
	β	24°31'	18°53'	12°51'	10°29'	8°45'	6°30'	5°17'	4°24'	3°49'	2°59'	2°26'
	ηd $_{(1400min^{-1})}$	87	85	82	80	77	73	69	66	60	55	50
	ηs	70	65	58	55	50	44	40	35	31	26	22
CM075	**Mx**	3.95	3.95	3.95	3	2.42	3.95	3	2.42	2.02	1.54	1.24
	Z	4	3	2	2	2	1	1	1	1	1	1
	β	26°38'	20°37'	14°05'	11°19'	9°29'	7°09'	5°43'	4°46'	4°01'	3°17'	2°44'
	ηd $_{(1400min^{-1})}$	88	86	83	80	78	74	70	67	63	58	53
	ηs	71	68	60	56	51	44	40	35	32	26	23
CM090	**Mx**	4.84	4.84	4.84	3.69	2.98	4.84	3.69	2.98	2.5	1.89	1.52
	Z	4	3	2	2	2	1	1	1	1	1	1
	β	29°05'	22°39'	15°33'	12°50'	10°53'	7°55'	6°30'	5°29'	4°46'	3°45'	3°06'
		88	87	84	83	81	75	74	72	69	63	58
	ηs	72	70	63	59	55	47	43	41	38	31	25
CM110	**Mx**	5.875	5.875	5.875	4.62	3.73	5.875	4.62	3.73	3.13	2.37	1.91
	Z	4	3	2	2	2	1	1	1	1	1	1
	β	28°15'	21°57'	15°02'	14°42'	12°33'	7°39'	7°29'	6°21'	5°33'	4°27'	3°39'
	ηd $_{(1400min^{-1})}$	89	87	84	84	83	77	76	74	72	66	62
	ηs	71	68	61	60	58	46	45	42	41	35	26
CM130	**Mx**	6.97	6.97	6.97	5.4	4.37	6.97	5.4	4.37	3.67	2.77	2.23
	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'
	ηd $_{(1400min^{-1})}$	89	88	86	84	83	79	76	76	73	71	64
	ηs	72	70	62	60	57	47	45	41	37	32	28

Lubrificazione / *Lubrication*

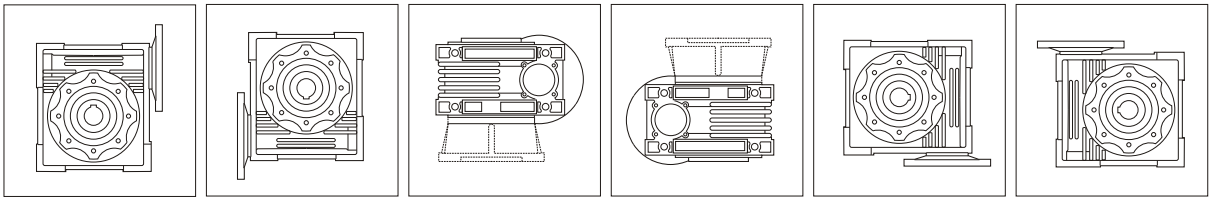
I riduttori nelle grandezze CM030-CM090 sono forniti completi di lubrificante long-life, pertanto non richiedono alcuna manutenzione.
I riduttori CM110 e CM130 sono invece forniti privi di lubrificante; l'utente dovrà provvedere al riempimento dei gruppi prima della loro messa in servizio utilizzando uno dei lubrificanti consigliati nella tabella sottostante o altri con analoghe caratteristiche.

Unit sizes CM030 up to CM090 are supplied with lubrication and are ready for use.
Sizes CM110 and CM130 are supplied without lubrication and must be filled with suitable type and quantity of oil. (See attached table)

	Lubrificanti consigliati / *Suggested lubricants*						
	IP	**SHELL**	**AGIP**	**ESSO**	**MOBIL**	**CASTROL**	**BP**
CM040-CM090	Telium VSF	Tivela Oil SC320	Blasia S320	S320	Glygoyle 30	Alphasyn PG320	Energol SG-XP320
CM110-CM130	Mellana Oil	Omala Oil 320	Blasia 320	—	Mobil Gear 320	—	—

Posizioni di montaggio / *Mounting positions*

Posizioni di montaggio / *Mounting positions*



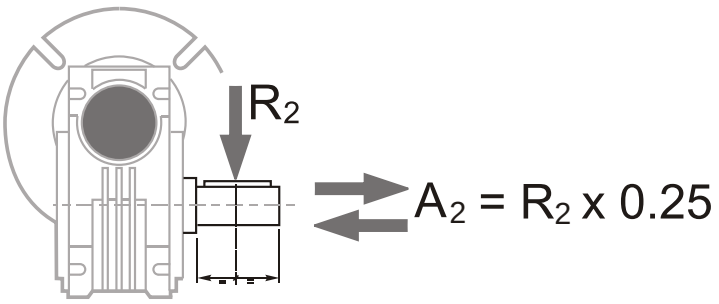
B3 (standard) | **B8** | **B6** | **B7** | **V5** | **V6**

Per i riduttori lubrificati a vita non è necessaria alcuna manutenzione; per gli altri (CM110 e CM130), effettuare la prima sostituzione del lubrificante dopo 400 ore e, successivamente, ogni 4000 ore di funzionamento.

Unit sizes CM30 up to CM90 do not require any maintenance. Unit sizes CM110 and CM130 must have oil changed after 400 hours and thereafter every 4000 hours.

	Quantità di olio (litri) / ***Oil quantity*** *(liters)*						
	B3	**B8**	**B6**	**B7**	**V5**	**V6**	
CM030	0.04						Lubrificati a vita *Life lubricated*
CM040	0.08						
CM050	0.15						
CM063	0.30						
CM075	0.55						
CM090	1.0						
CM110	3.0	2.2	2.5	2.5	3.0	3.0	
CM130	4.5	3.3	3.5	3.5	4.5	4.5	

Carichi radiali / Radial loads



n_2 [min^{-1}]	R_2 [N]							
	CM030	**CM040**	**CM050**	**CM063**	**CM075**	**CM090**	**CM110**	**CM130**
187	770	1000	1340	1380	1860	2360	2850	3800
140	820	1100	1520	1760	2470	2520	2990	4040
93	880	1260	1700	1830	2830	2620	3420	4560
70	990	1420	1940	2030	3250	2780	3940	5030
56	1040	1570	2200	2260	3460	3740	4610	6270
47	1080	1630	2270	2290	3620	3930	4940	6650
35	1100	1680	2340	2410	3880	4040	5410	7120
28	1180	1780	2520	2620	4090	4620	5890	7790
23	1240	1890	2710	2830	4300	4850	6270	8310
18	1410	2200	2990	3250	4670	5770	7410	9780
14	1570	2410	3360	3460	4930	6090	7840	10160

Dati tecnici / *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.06						
56A4 (1400 min^{-1})	**187**	3	6.6	7.5	**CM030**	B5/B14
	140	3	5.1	10		B5/B14
	93	5	3.8	15		B5/B14
	70	6	3.0	20		B5/B14
	56	7	2.9	25		B5/B14
	47	8	2.5	30		B5/B14
	35	10	1.9	40		B5/B14
	28	11	1.6	50		B5/B14
	24	12	1.4	60		B5/B14
	18	14	1.0	80		B5/B14
	28	13	3.0	50	**CM040**	B5
	23	14	2.5	60		B5
	18	18	1.9	80		B5
	14	19	1.5	100		B5
0.09						
56B4 (1400 min^{-1})	**187**	4	4.4	7.5	**CM030**	B5/B14
	140	5	3.4	10		B5/B14
	93	7	2.5	15		B5/B14
	70	9	2.0	20		B5/B14
	56	10	1.9	25		B5/B14
	47	12	1.7	30		B5/B14
	35	14	1.3	40		B5/B14
	28	17	1.1	50		B5/B14
	24	19	1.0	60		B5/B14
	28	19	2.0	50	**CM040**	B5
	23	21	1.7	60		B5
	18	27	1.3	80		B5
	14	29	1.0	100		B5
0.12						
63A4 (1400 min^{-1})	**187**	5	3.3	7.5	**CM030**	B5/B14
	140	7	2.6	10		B5/B14
	93	9	1.9	15		B5/B14
	70	12	1.5	20		B5/B14
	56	14	1.4	25		B5/B14
	47	16	1.2	30		B5/B14
	35	19	1.0	40		B5/B14
	28	23	0.8	50		B5/B14
	187	5	6.6	7.5	**CM040**	B5/B14
	140	7	5.3	10		B5/B14
	93	10	3.7	15		B5/B14
	70	13	3.0	20		B5/B14
	56	15	2.6	25		B5/B14
	47	17	2.5	30		B5/B14
	35	21	1.9	40		B5/B14
	28	26	1.5	50		B5/B14
	23	28	1.3	60		B5/B14
	18	36	1.0	80		B5/B14
	35	22	3.5	40	**CM050**	B5/B14
	28	26	2.8	50		B5/B14
	23	28	2.2	60		B5/B14
	18	34	1.7	80		B5/B14
	14	38	1.3	100		B5

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.18						
63B4 (1400 min^{-1})	**187**	8	2.2	7.5	**CM030**	B5/B14
	140	10	1.7	10		B5/B14
	93	14	1.3	15		B5/B14
	70	18	1.0	20		B5/B14
	56	21	1.0	25		B5/B14
	187	8	4.4	7.5	**CM040**	B5/B14
	140	10	3.7	10		B5/B14
	93	15	2.5	15		B5/B14
	70	19	2.1	20		B5/B14
	56	22	1.7	25		B5/B14
	47	25	1.7	30		B5/B14
	35	32	1.3	40		B5/B14
	28	39	1.0	50		B5/B14
	35	33	2.4	40	**CM050**	B5/B14
	28	39	1.9	50		B5/B14
	23	43	1.9	60		B5/B14
	18	51	1.1	80		B5/B14
	14	58	0.9	100		B5
0.25						
71A4 (1400 min^{-1})	**187**	11	3.2	7.5	**CM040**	B5/B14
	140	14	2.6	10		B5/B14
	93	21	1.9	15		B5/B14
	70	26	1.5	20		B5/B14
	56	30	1.3	25		B5/B14
	47	35	1.2	30		B5/B14
	35	44	0.9	40		B5/B14
	187	11	5.6	7.5	**CM050**	B5/B14
	140	14	4.9	10		B5/B14
	93	21	3.4	15		B5/B14
	70	27	2.6	20		B5/B14
	56	32	2.2	25		B5/B14
	47	36	2.2	30		B5/B14
	35	46	1.7	40		B5/B14
	28	54	1.3	50		B5/B14
	23	59	1.1	60		B5/B14
	18	71	0.9	80		B5/B14
	18	75	1.5	80	**CM063**	B5/B14
	14	85	1.3	100		B5/B14
	18	79	2.0	80	**CM075**	B5
	14	90	1.6	100		B5
0.37						
71B4 (1400 min^{-1})	**187**	16	2.2	7.5	**CM040**	B5/B14
	140	21	1.8	10		B5/B14
	93	31	1.2	15		B5/B14
	70	39	1.0	20		B5/B14
	56	45	0.9	25		B5/B14
	187	16	3.9	7.5	**CM050**	B5/B14
	140	21	3.2	10		B5/B14
	93	31	2.3	15		B5/B14
	70	39	1.7	20		B5/B14
	56	47	1.5	25		B5/B14
	47	54	1.5	30		B5/B14
	35	68	1.2	40		B5/B14
	28	80	1.0	50		B5/B14

Dati tecnici / *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.37						
71B4 (1400 min^{-1})	**35**	70	2.0	40	**CM063**	B5/B14
	28	83	1.6	50		B5/B14
	23	91	1.3	60		B5/B14
	18	111	1.0	80		B5/B14
	14	126	0.9	100		B5/B14
	28	85	2.2	50	**CM075**	B5
	23	95	1.8	60		B5
	18	117	1.4	80		B5
	14	134	1.1	100		B5
0.55						
80A4 (1400 min^{-1})	**187**	24	2.5	7.5	**CM050**	B5/B14
	140	32	2.1	10		B5/B14
	93	46	1.6	15		B5/B14
	70	59	1.2	20		B5/B14
	56	70	1.0	25		B5/B14
	47	80	1.0	30		B5/B14
	93	46	2.9	15	**CM063**	B5/B14
	70	60	2.2	20		B5/B14
	56	72	1.9	25		B5/B14
	47	82	1.8	30		B5/B14
	35	104	1.4	40		B5/B14
	28	124	1.1	50		B5/B14
	23	135	0.9	60		B5/B14
	35	105	1.8	40	**CM075**	B5/B14
	28	126	1.4	50		B5/B14
	23	142	1.2	60		B5/B14
	18	174	0.9	80		B5/B14
	14	199	0.8	100		B5/B14
	23	155	1.9	60	**CM090**	B5/B14
	18	189	1.4	80		B5/B14
	14	218	1.1	100		B5/B14
	14	233	1.9	100	**CM110**	B5
0.75						
80B4 (1400 min^{-1})	**187**	33	1.8	7.5	**CM050**	B5/B14
	140	43	1.5	10		B5/B14
	93	62	1.1	15		B5/B14
	187	33	3.7	7.5	**CM063**	B5/B14
	140	43	2.9	10		B5/B14
	93	63	2.1	15		B5/B14
	70	82	1.6	20		B5/B14
	56	98	1.4	25		B5/B14
	47	112	1.3	30		B5/B14
	35	141	1.0	40		B5/B14
	70	82	2.1	20	**CM075**	B5/B14
	56	100	1.6	25		B5/B14
	47	114	1.5	30		B5/B14
	35	143	1.3	40		B5/B14
	28	171	1.0	50		B5/B14
	23	193	0.9	60		B5/B14
	28	184	1.7	50	**CM090**	B5/B14
	23	212	1.4	60		B5/B14
	18	258	1.0	80		B5/B14
	14	297	0.9	100		B5/B14

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.75						
80B4 (1400 min^{-1})	**18**	270	1.8	80	**CM110**	B5
	14	317	1.4	100		B5
1.1						
90S4 (1400 min^{-1})	**187**	49	2.5	7.5	**CM063**	B5/B14
	140	64	2.0	10		B5/B14
	93	92	1.4	15		B5/B14
	70	120	1.1	20		B5/B14
	187	50	2.9	7.5	**CM075**	B5/B14
	140	65	2.4	10		B5/B14
	93	93	1.7	15		B5/B14
	70	120	1.4	20		B5/B14
	56	146	1.1	25		B5/B14
	47	167	1.0	30		B5/B14
	35	210	0.9	40		B5/B14
	35	222	1.5	40	**CM090**	B5/B14
	28	270	1.1	50		B5/B14
	23	311	1.0	60		B5/B14
	23	324	1.8	60	**CM110**	B5
	18	396	1.2	80		B5
	14	465	1.0	100		B5
	18	426	1.9	80	**CM130**	B5
	14	480	1.5	100		B5
1.5						
90LA4 (1400 min^{-1})	**187**	67	1.8	7.5	**CM063**	B5/B14
	140	87	1.5	10		B5/B14
	93	126	1.0	15		B5/B14
	70	164	0.8	20		B5/B14
	187	68	2.1	7.5	**CM075**	B5/B14
	140	88	1.8	10		B5/B14
	93	127	1.3	15		B5/B14
	70	164	1.0	20		B5/B14
	56	200	0.8	25		B5/B14
	56	207	1.4	25	**CM090**	B5/B14
	47	230	1.4	30		B5/B14
	35	303	1.1	40		B5/B14
	28	368	0.8	50		B5/B14
	35	311	2.1	40	**CM110**	B5
	28	379	1.6	50		B5
	23	442	1.3	60		B5
	18	540	1.0	80		B5
	18	581	1.5	80	**CM130**	B5
	14	655	1.1	100		B5

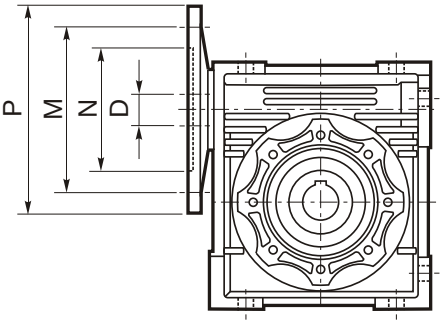
Dati tecnici / *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
1.85						
90LB4 (1400 min^{-1})	**187**	82	1.5	7.5	**CM063**	B5/B14
	140	107	1.2	10		B5/B14
	93	155	0.9	15		B5/B14
	187	83	1.7	7.5	**CM075**	B5/B14
	140	109	1.5	10		B5/B14
	93	157	1.0	15		B5/B14
	70	202	0.8	20		B5/B14
	56	246	0.7	25		B5/B14
	93	160	1.9	15	**CM090**	B5/B14
	70	209	1.5	20		B5/B14
	56	256	1.2	25		B5/B14
	47	284	1.2	30		B5/B14
	35	374	0.9	40		B5/B14
	47	289	2.2	30	**CM110**	B5
	35	384	1.7	40		B5
	28	467	1.3	50		B5
	23	545	1.0	60		B5
	18	717	1.2	80	**CM130**	B5
	14	808	0.9	100		B5
2.2						
100LA4 (1400 min^{-1})	**187**	99	1.4	7.5	**CM075**	B5/B14
	140	129	1.2	10		B5/B14
	93	187	0.9	15		B5/B14
	187	99	2.6	7.5	**CM090**	B5/B14
	140	131	2.2	10		B5/B14
	93	189	1.6	15		B5/B14
	70	249	1.3	20		B5/B14
	56	304	1.0	25		B5/B14
	47	338	1.0	30		B5/B14
	70	252	2.3	20	**CM110**	B5
	56	311	1.8	25		B5
	47	347	1.8	30		B5
	35	456	1.4	40		B5
	28	555	1.1	50		B5
	35	456	2.2	40	**CM130**	B5
	28	570	1.8	50		B5
	23	657	1.4	60		B5
	18	852	1.0	80		B5
3.0						
100LB4 (1400 min^{-1})	**187**	135	1.1	7.5	**CM075**	B5/B14
	140	176	0.9	10		B5/B14
	187	135	1.9	7.5	**CM090**	B5/B14
	140	178	1.6	10		B5/B14
	93	258	1.2	15		B5/B14
	70	340	0.9	20		B5/B14

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
3.0						
100LB4 (1400 min^{-1})	**93**	258	2.2	15	**CM110**	B5
	70	344	1.7	20		B5
	56	425	1.3	25		B5
	47	473	1.3	30		B5
	35	622	1.0	40		B5
	35	622	1.6	40	**CM130**	B5
	28	778	1.3	50		B5
	23	896	1.0	60		B5
4.0						
112M4 (1400 min^{-1})	**187**	180	1.5	7.5	**CM090**	B5/B14
	140	237	1.2	10		B5/B14
	187	182	2.7	7.5	**CM110**	B5
	140	237	2.3	10		B5
	93	344	1.6	15		B5
	70	458	1.3	20		B5
	56	566	1.0	25		B5
	47	630	1.0	30		B5
	187	182	3.9	7.5	**CM130**	B5
	140	240	3.3	10		B5
	93	352	2.5	15		B5
	70	458	1.9	20		B5
	56	566	1.5	25		B5
	47	647	1.9	30		B5
	35	829	1.2	40		B5
	28	1037	1.0	50		B5
5.5						
132S4 (1400 min^{-1})	**187**	250	2.0	7.5	**CM110**	B5
	140	326	1.7	10		B5
	93	473	1.2	15		B5
	70	630	0.9	20		B5
	187	250	2.8	7.5	**CM130**	B5
	140	330	2.4	10		B5
	93	484	1.8	15		B5
	70	630	1.4	20		B5
	56	778	1.1	25		B5
	47	889	1.4	30		B5
7.5						
132MA4 (1400 min^{-1})	**187**	341	1.5	7.5	**CM110**	B5
	140	445	1.2	10		B5
	187	341	2.1	7.5	**CM130**	B5
	140	450	1.8	10		B5
	93	660	1.3	15		B5
	70	860	1.0	20		B5
	56	1062	0.8	25		B5

Motori applicabili / *IEC Motor adapters*

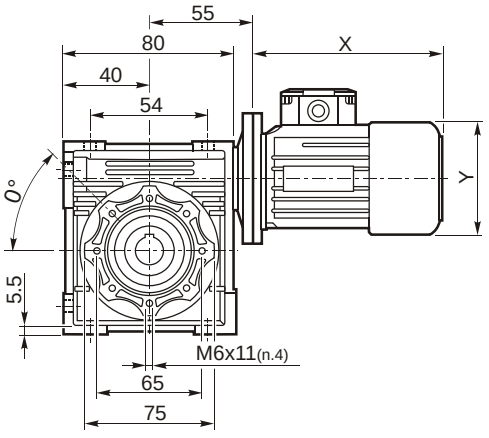
	IEC	N	M	P	D	i										
						7.5	10	15	20	25	30	40	50	60	80	100
CM030	63B5	95	115	140	11											
	63B14	60	75	90												
	56B5	80	100	120	9											
	56B14	50	65	80												
CM040	71B5	110	130	160	14											
	71B14	70	85	105												
	63B5	95	115	140	11											
	63B14	60	75	90												
	56B5	80	100	120	9											
CM050	80B5	130	165	200	19											
	80B14	80	100	120												
	71B5	110	130	160	14											
	71B14	70	85	105												
	63B5	95	115	140	11											
CM063	90B5	130	165	200	24											
	90B14	95	115	140												
	80B5	130	165	200	19											
	80B14	80	100	120												
	71B5	110	130	160	14											
	71B14	70	85	105												
CM075	100/112B5	180	215	250	28											
	100/112B14	110	130	160												
	90B5	130	165	200	24											
	90B14	95	115	140												
	80B5	130	165	200	19											
	80B14	80	100	120												
	71B5	110	130	160	14											
CM090	100/112B5	180	215	250	28											
	100/112B14	110	130	160												
	90B5	130	165	200	24											
	90B14	95	115	140												
	80B5	130	165	200	19											
	80B14	80	100	120												
CM110	132B5	230	265	300	38											
	100/112B5	180	215	250	28											
	90B5	130	165	200	24											
	80B5	130	165	200	19											
CM130	132B5	230	265	300	38											
	100/112B5	180	215	250	28											
	90B5	130	165	200	24											

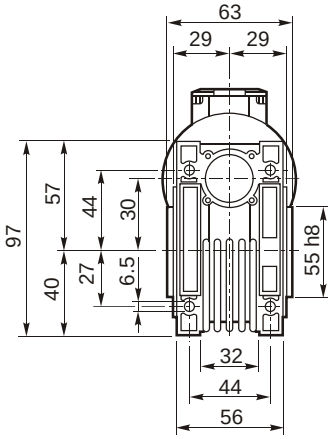


N.B.
Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.
N.B. Grey areas indicate motor inputs available on each size of unit.

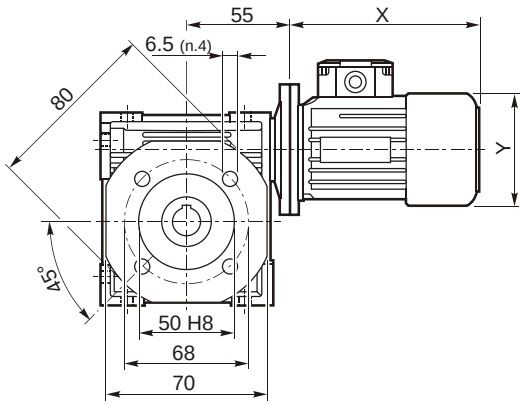
Dimensioni / *Dimensions*

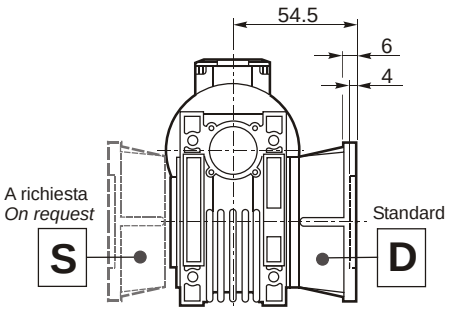
CM 030 U

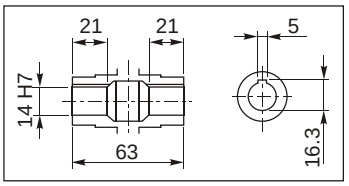




CM 030 F

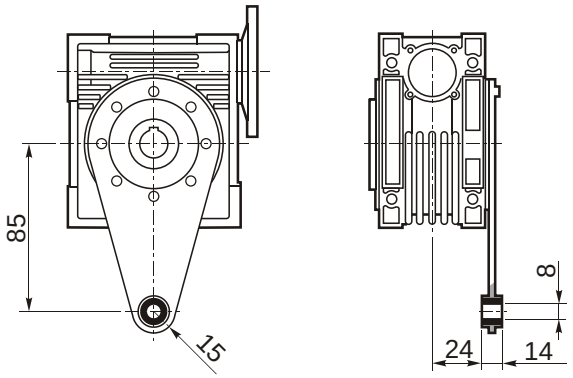




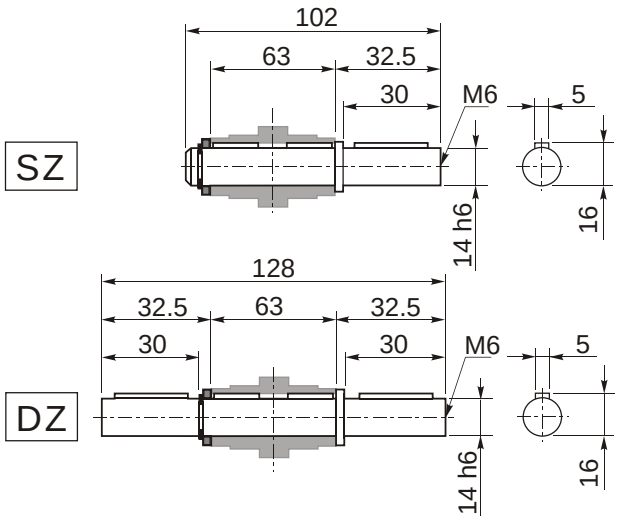


Albero lento cavo / *Hollow output shaft*

Braccio di reazione / *Torque arm*

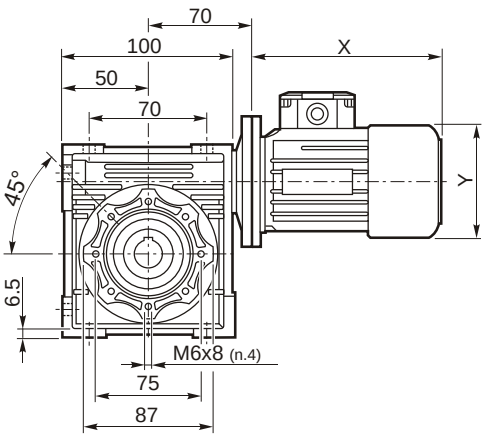


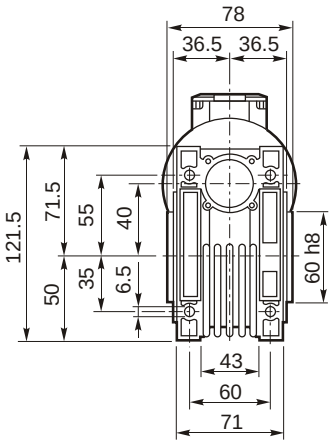
Alberi lenti / *Output shafts*



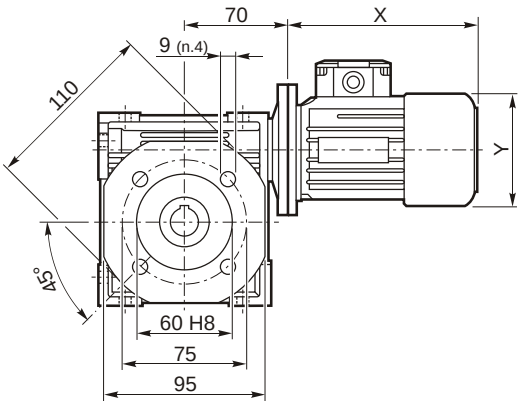
Dimensioni / *Dimensions*

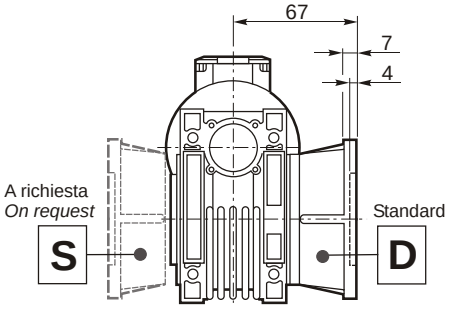
CM 040 U



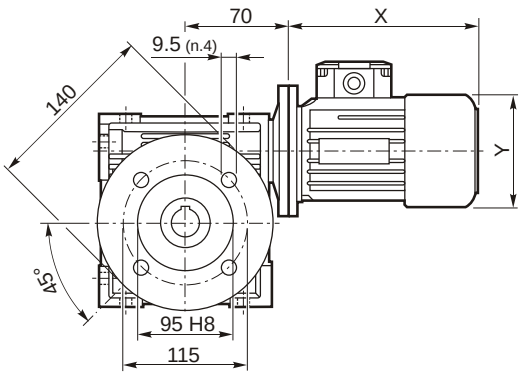


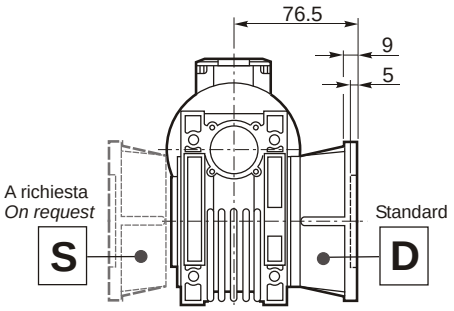
CM 040 F



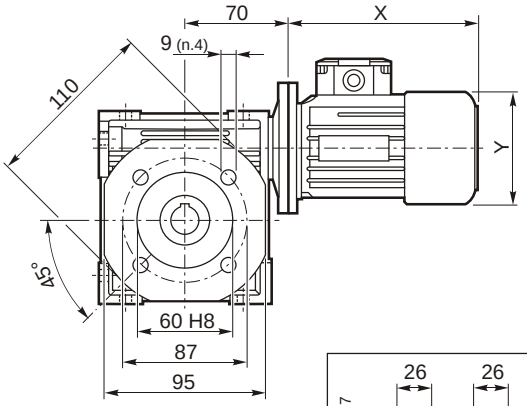


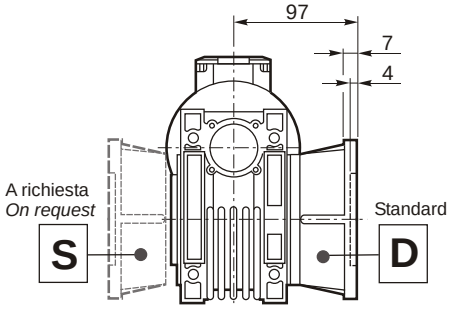
CM 040 FB

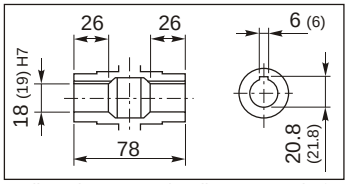




CM 040 FL



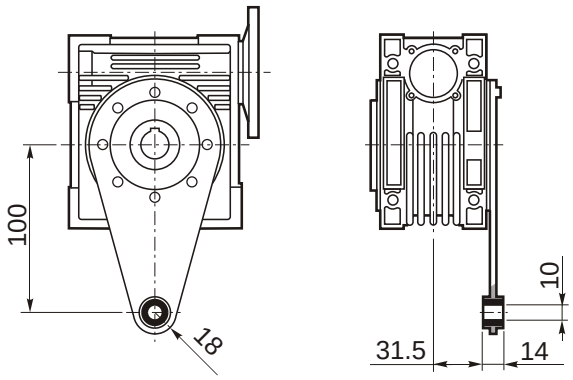




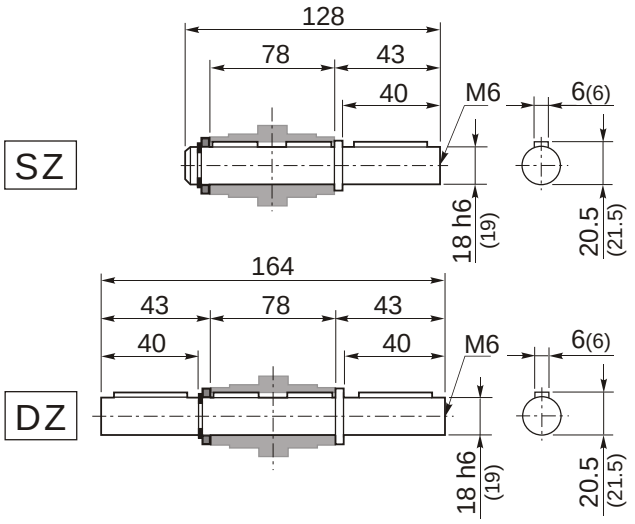
Albero lento cavo / *Hollow output shaft*

Dimensioni / *Dimensions*

Braccio di reazione / *Torque arm*

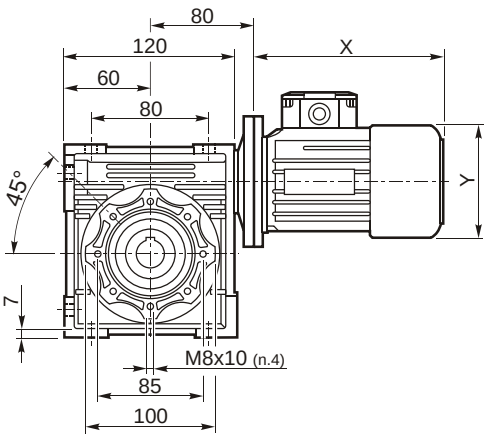


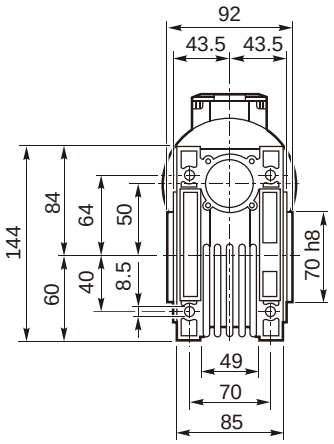
Alberi lenti / *Output shafts*



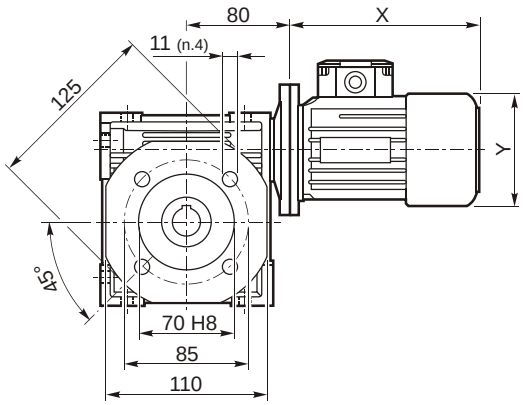
Dimensioni / *Dimensions*

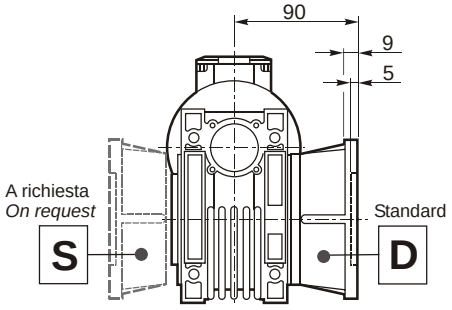
CM 050 U



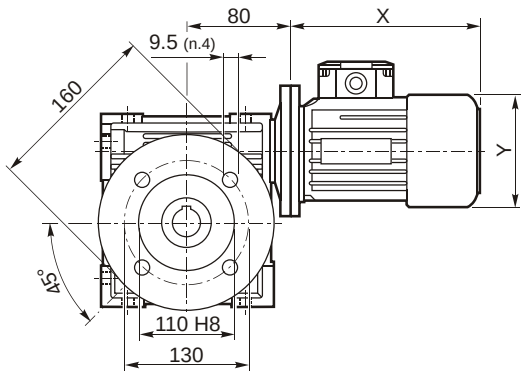


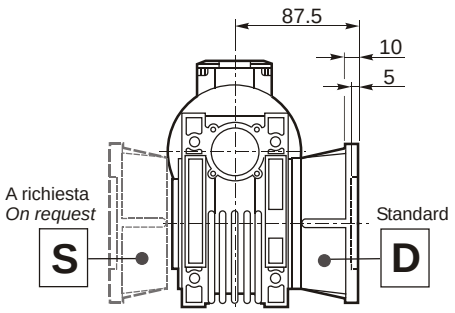
CM 050 F



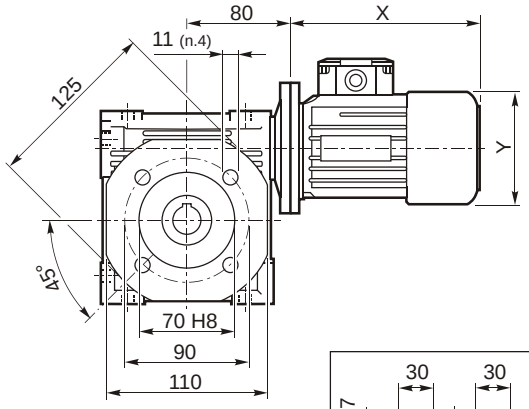


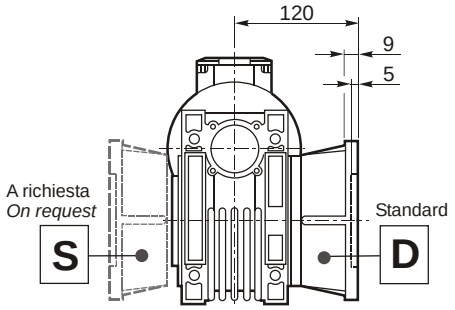
CM 050 FB

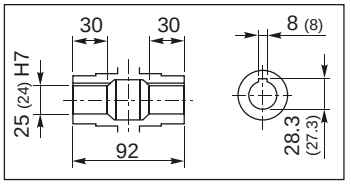




CM 050 FL



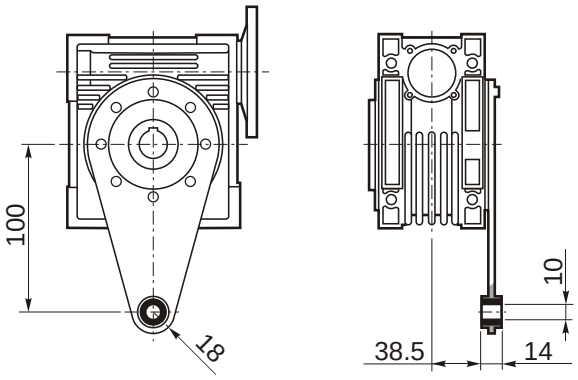




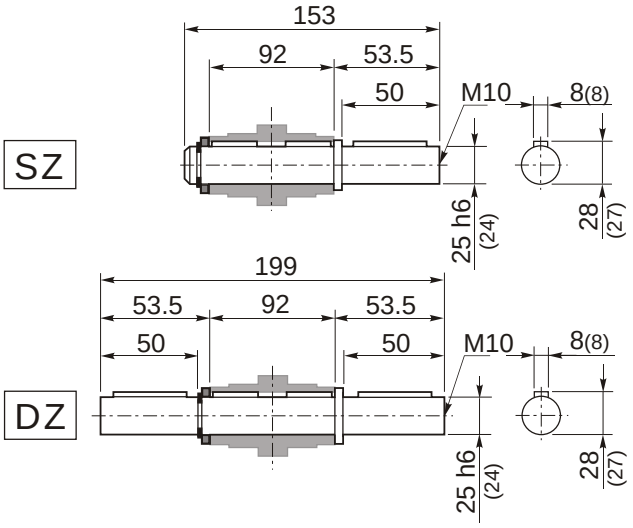
Albero lento cavo / *Hollow output shaft*

Dimensioni / *Dimensions*

Braccio di reazione / *Torque arm*

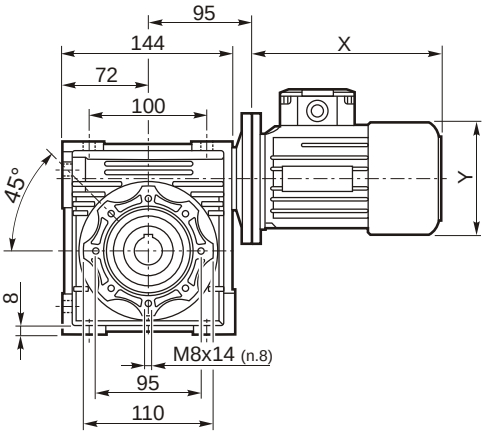


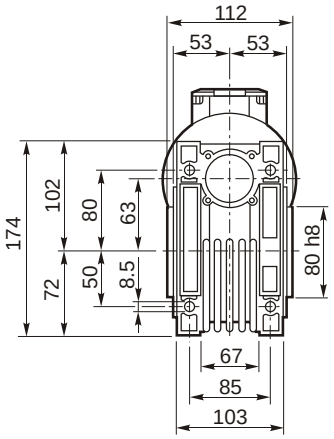
Alberi lenti / *Output shafts*



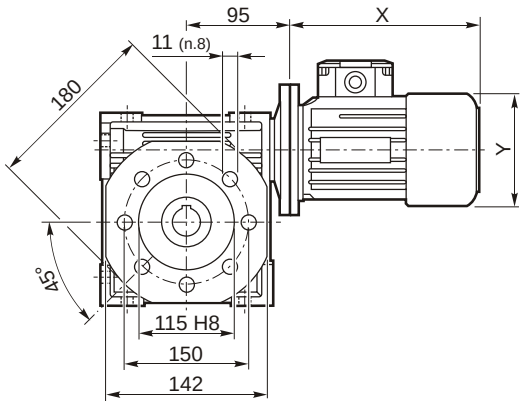
Dimensioni / *Dimensions*

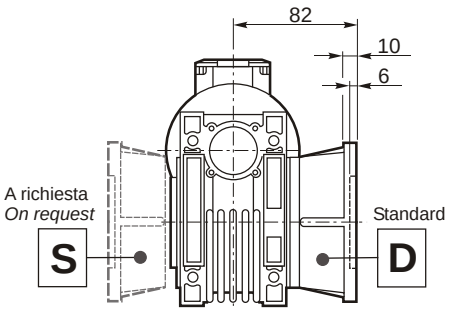
CM 063 U



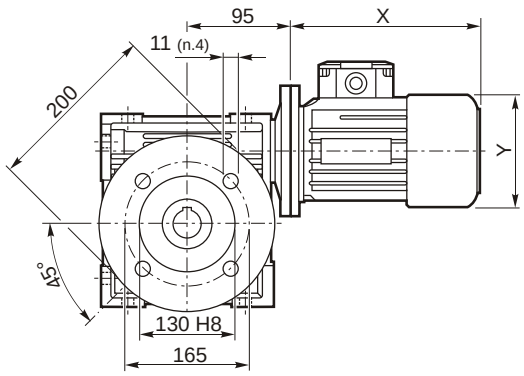


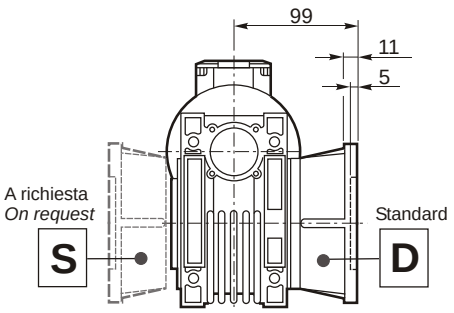
CM 063 F



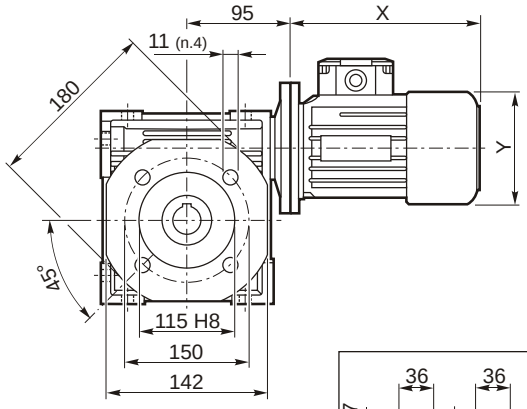


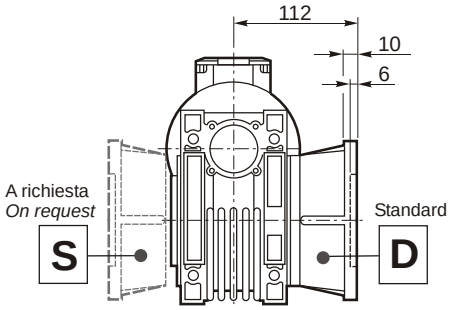
CM 063 FB

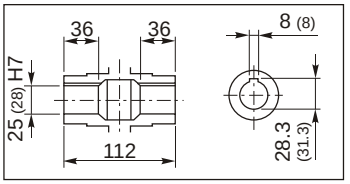




CM 063 FL



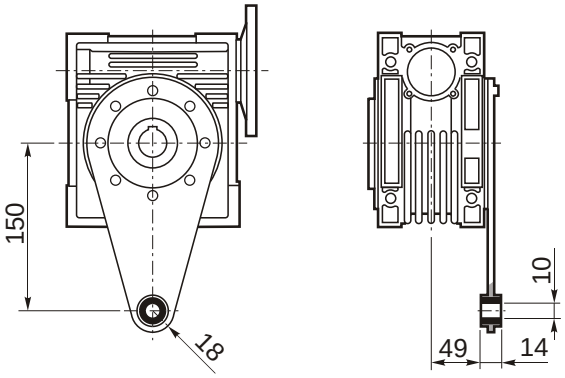




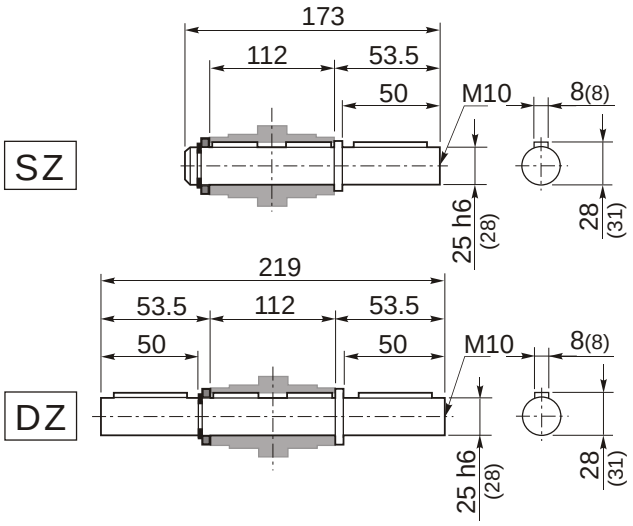
Albero lento cavo / *Hollow output shaft*

Dimensioni / *Dimensions*

Braccio di reazione / *Torque arm*

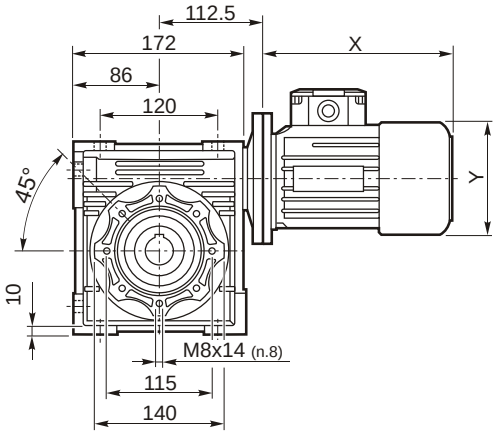


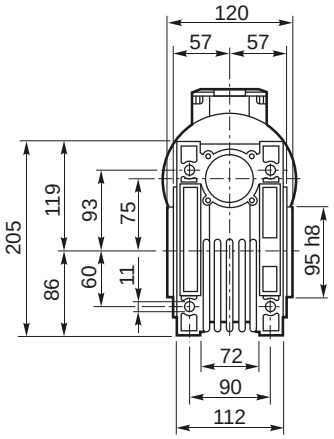
Alberi lenti / *Output shafts*



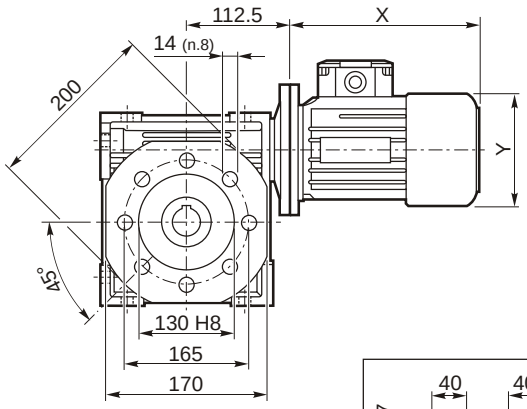
Dimensioni / *Dimensions*

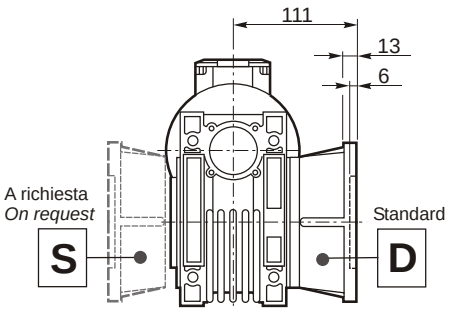
CM 075 U

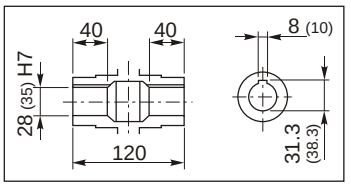




CM 075 F

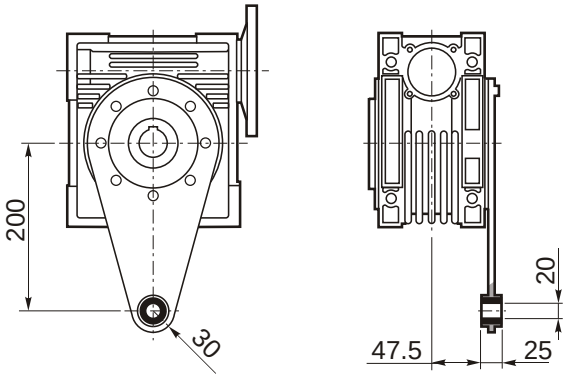




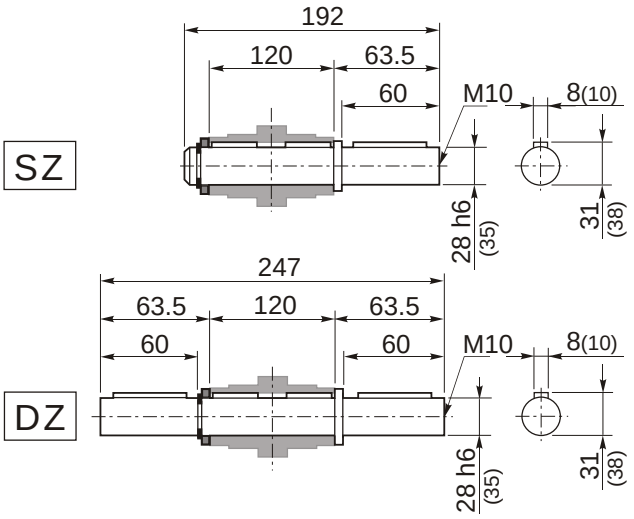


Albero lento cavo / *Hollow output shaft*

Braccio di reazione / *Torque arm*

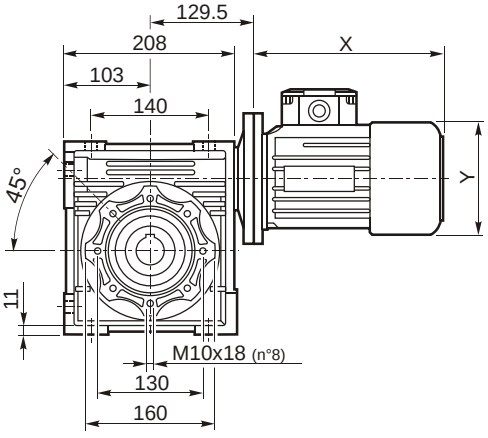


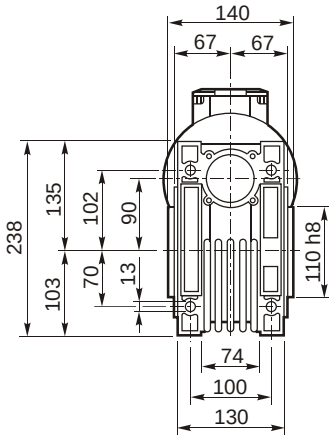
Alberi lenti / *Output shafts*



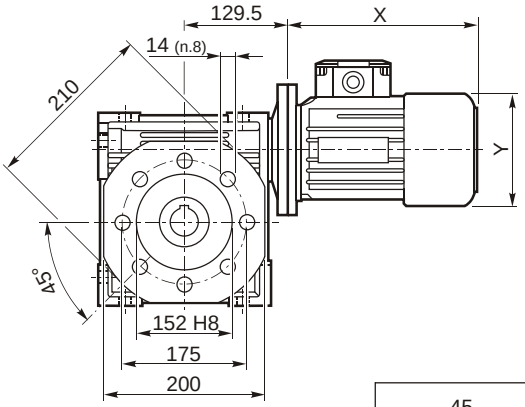
Dimensioni / *Dimensions*

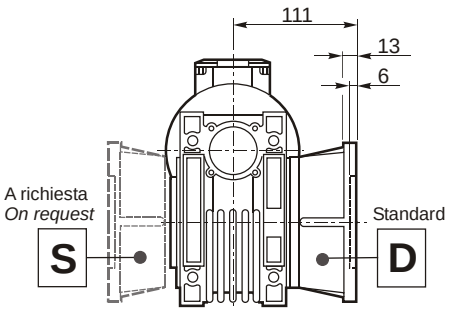
CM 090 U

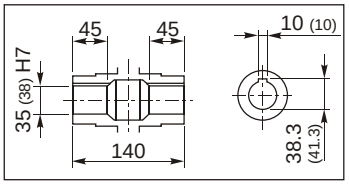




CM 090 F

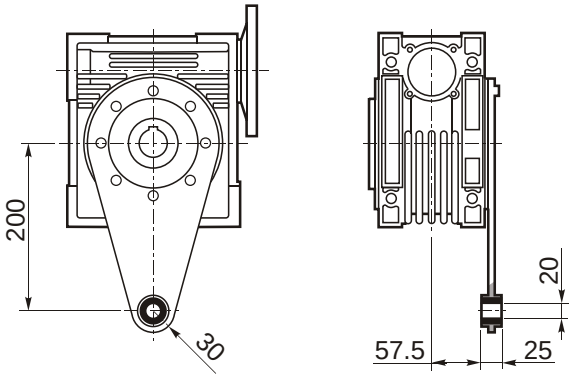




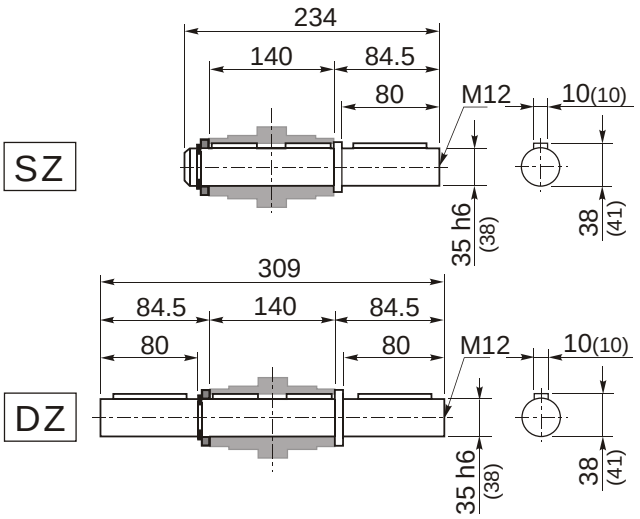


Albero lento cavo / *Hollow output shaft*

Braccio di reazione / *Torque arm*

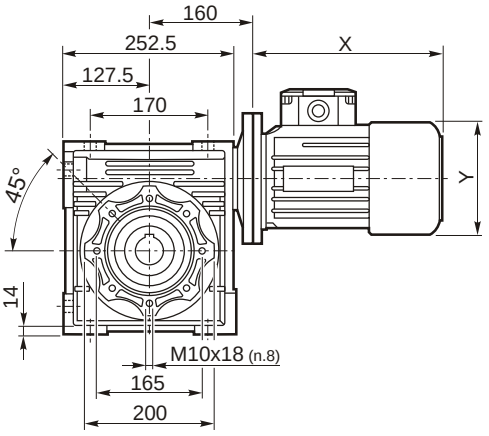


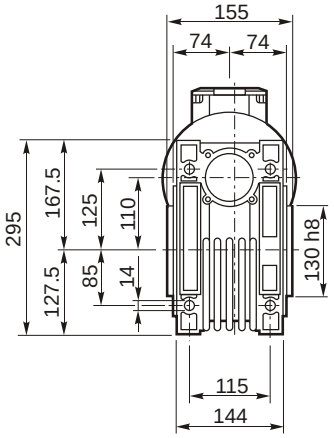
Alberi lenti / *Output shafts*



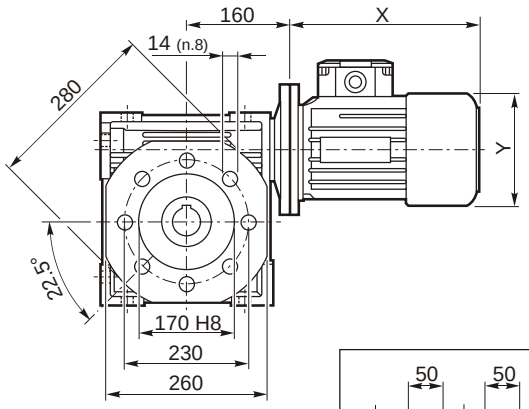
Dimensioni / *Dimensions*

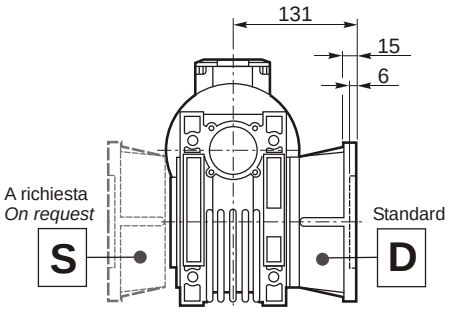
CM 110 U

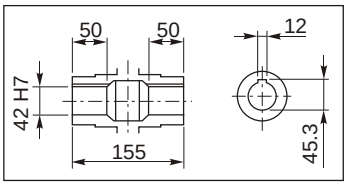




CM 110 F

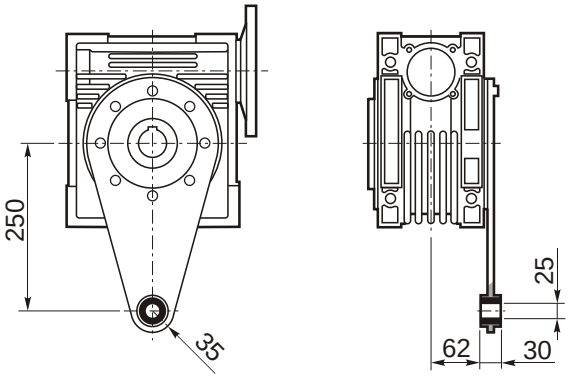




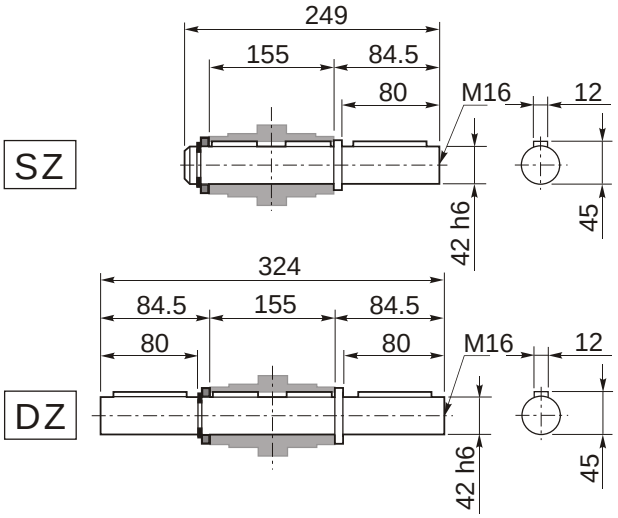


Albero lento cavo / *Hollow output shaft*

Braccio di reazione / *Torque arm*

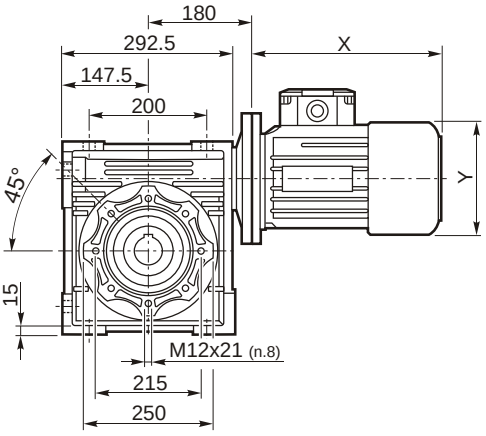


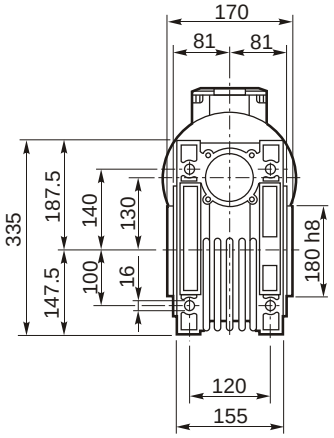
Alberi lenti / *Output shafts*



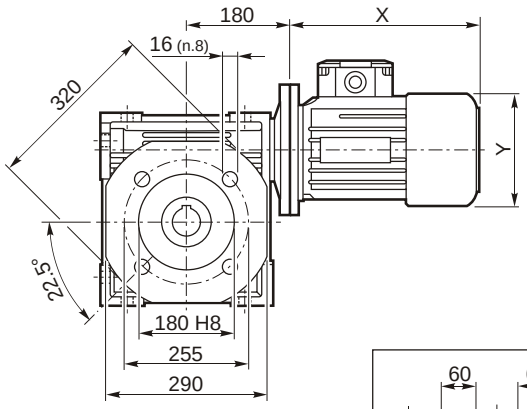
Dimensioni / *Dimensions*

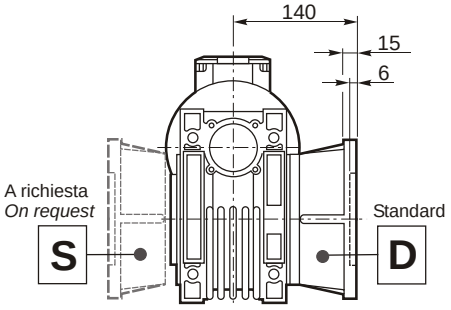
CM 130 U

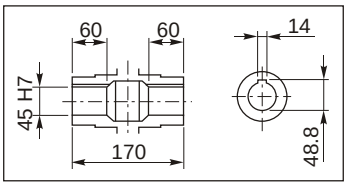




CM 130 F

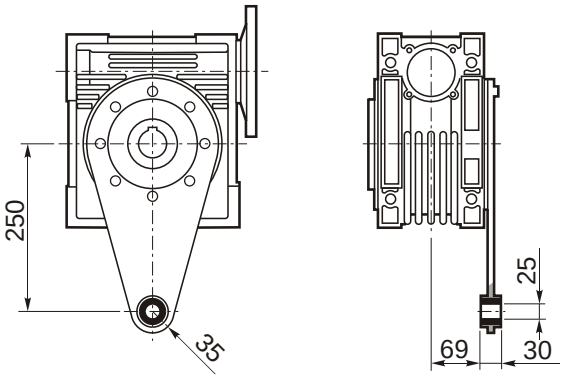






Albero lento cavo / *Hollow output shaft*

Braccio di reazione / *Torque arm*



Alberi lenti / *Output shafts*