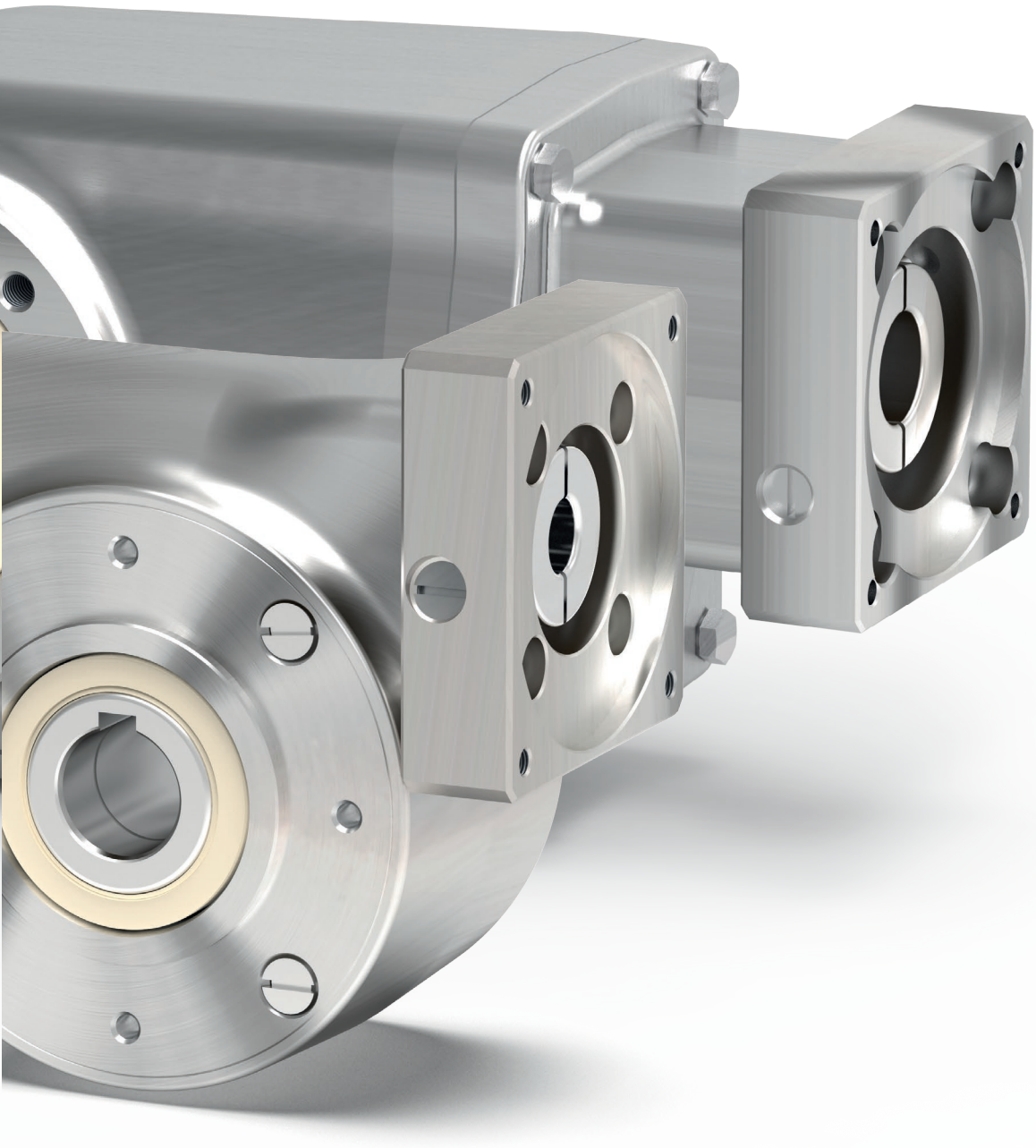
WASHDOWN MOTORS AND DRIVES

Brushless-Tech Gearboxes for servomotor



Certification
Certificazione

IP66

CE

NSF COMPONENT

On request
A richiesta

IP69k

abaroadrive

UNIQUE FEATURES

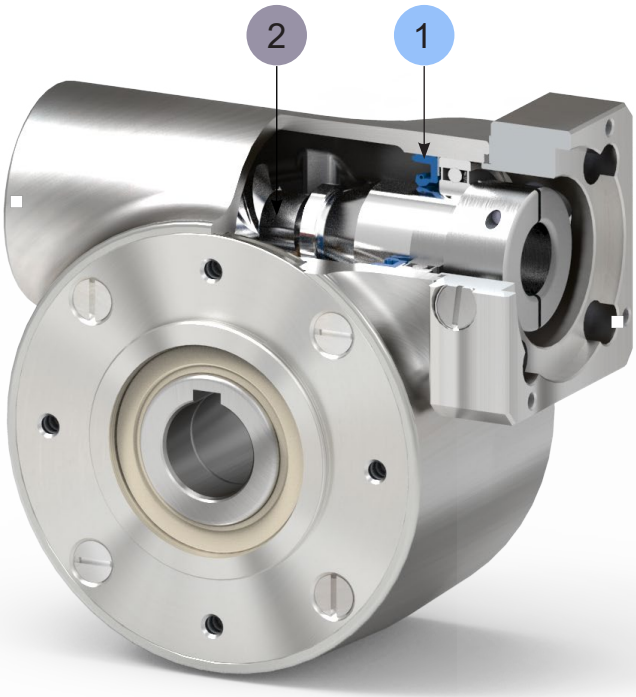
Special input shaft design with internal seal for Brushless applications.

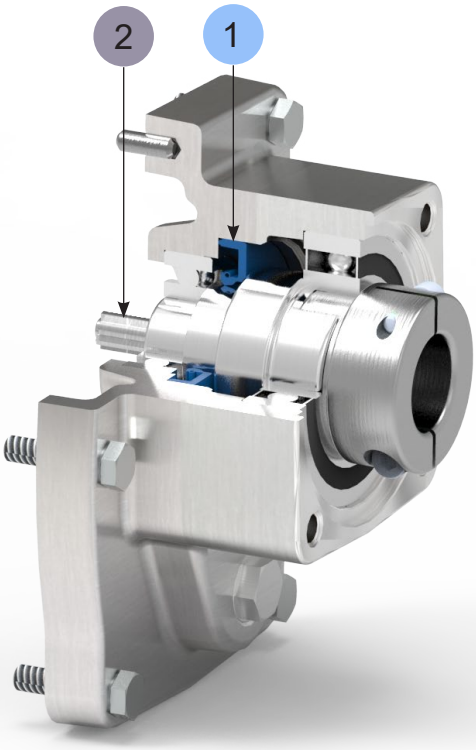
Design speciale dell'albero di entrata con guarnizione interna per applicazioni Brushless.

1 **Quality oil seals.**
Anelli di tenuta di qualità.

2 **All grounded gears.**
Tutti gli ingranaggi rettificati.

On request FKM oil seals.
A richiesta anelli di tenuta FKM.





All couplings on stock.
Giunti disponibili a magazzino.

Flanges available for quantity.
Drawings available to download on the web site for a quick production of small quantity.
Flange disponibili per quantità.
Disegni scaricabili dal sito web per una rapida produzione di piccole quantità.

BRUSHLESS FLANGES FOR

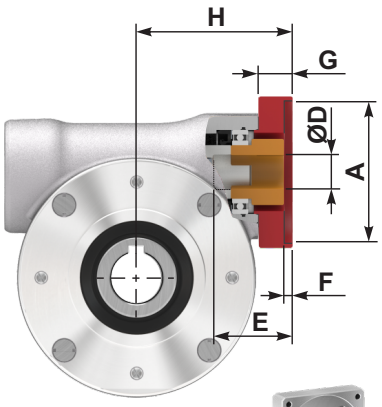
VFD series

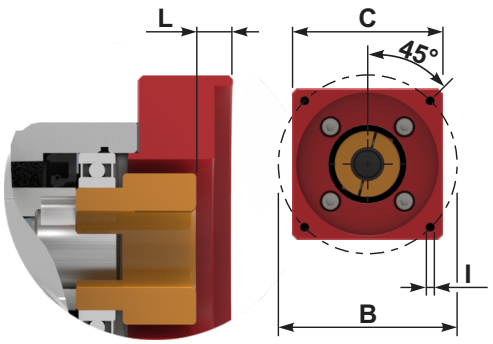
D30
D45
D50
D63
D85

Brushless-Tech

Aluminum worm gearboxes

Riduttori a vite senza fine in alluminio

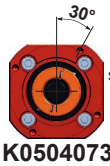




	Catalog Flange Code	Input flanges Kit Code	Bushing Kit Code	Coupling Kit Code	Motor shaft Ø	A	B	C	ØD	E	F	G	L	I	H
D30 21Nm	**BA**	K0304071	KBR09/14G	K0305190L	Ø9	40	63	58	Ø14	30	4	20	4.7	M5x12	68
	BC	K0304072	KBR11/14G	K0305190L	Ø11	60	75	70	Ø14	30	4.5	20	4.7	M5x12	68
	BB	K0304073	-	K0305190L	Ø14	50	70	60	Ø14	32	4.5	28.5	13.2	M5x12	76.5
D45 41Nm	**BC**	KD504072	KBR11/14G	KC355190L	Ø11	60	75	70	Ø14	44	4.5	23	9	M5x12	79
	BB	KD504073	-	KC355190L	Ø14	50	70	70	Ø14	44	4.5	23	9	M5x12	79
	BE	KD504074	-	KC355190L	Ø14	80	100	85	Ø14	44	4.5	23	9	M6x12	79
	BF	KD504075	-	KC355190L	Ø14	95	115	100	Ø14	44	4.5	23	9	M8x12	79
	BD	KD504078	-	KC355190L	Ø14	70	90	80	Ø14	44	4.5	23	9	M6x12	79
D50 72Nm	**BC**	KD504072	KBR11/19G	K0505190L	Ø11	60	75	70	Ø19	48	4.5	23	9	M5x12	83.5
	BC	KD504072	KBR14/19G	K0505190L	Ø14	60	75	70	Ø19	48	4.5	23	9	M5x12	83.5
	BB	KD504073	KBR14/19G	K0505190L	Ø14	50	70	70	Ø19	48	4.5	23	9	M5x12	83.5
	BE	KD504074	KBR14/19G	K0505190L	Ø14	80	100	85	Ø19	48	4.5	23	9	M6x12	83.5
	BF	KD504075	-	K0505190L	Ø19	95	115	100	Ø19	48	4.5	23	9	M8x12	83.5
	BD	KD504078	-	K0505190L	Ø19	70	90	80	Ø19	48	4.5	23	9	M6x12	83.5
D63 147Nm	**BC**	KD634072	KBR14/22G	KC405190L	Ø14	60	75	90	Ø22	58	4.5	25	9	M5x12	104.5
	BB	KD634073	KBR14/22G	KC405190L	Ø14	50	70	80	Ø22	58	4.5	25	9	M5x12	104.5
	BE	KD634074	KBR14/22G	KC405190L	Ø14	80	100	85	Ø22	58	4.5	25	9	M6x12	104.5
	BF	KD634075	KBR19/22G	KC405190L	Ø19	95	115	100	Ø22	58	4.5	25	9	M8x12	104.5
	BG	KD634076	-	KC405190L	Ø22	110	145	130	Ø22	63	8	30	14	M8x14	109.5
	BD	KD634078	KBR19/22G	KC405190L	Ø19	70	90	90	Ø22	58	4.5	25	9	M6x12	104.5
D85 347Nm	**BF**	KD854075	KBR19/24G	KC505190L	Ø19	95	115	100	Ø24	60	4.5	26	9.5	M8x14	124.5
	BG	KD854076	KBR22/24G	KC505190L	Ø22	110	145	130	Ø24	64	8	30	13.5	M8x14	128.5
	BH	KD854077	-	KC505190L	Ø24	130	165	140	Ø24	60	5	26	9.5	M8x14	124.5
	BD	KD854078	KBR19/24G	KC505190L	Ø19	70	90	95	Ø24	60	4.5	26	9.5	M6x14	124.5

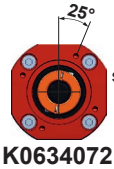
Fixing holes shifted by 35° Fori fissaggio motore ruotatia 35°

K0504072



Fixing holes shifted by 30° Fori fissaggio motore ruotati a 30°

K0504073
K0634078



Fixing holes shifted by 25° Fori fissaggio motore ruotati a 25°

K0634072
K0634073

Available kits

Kit disponibili

Reduction bushing

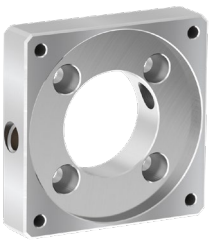
Bussola di riduzione

Coupling

Giunto

Flange for servomotor

Flange per servomotori

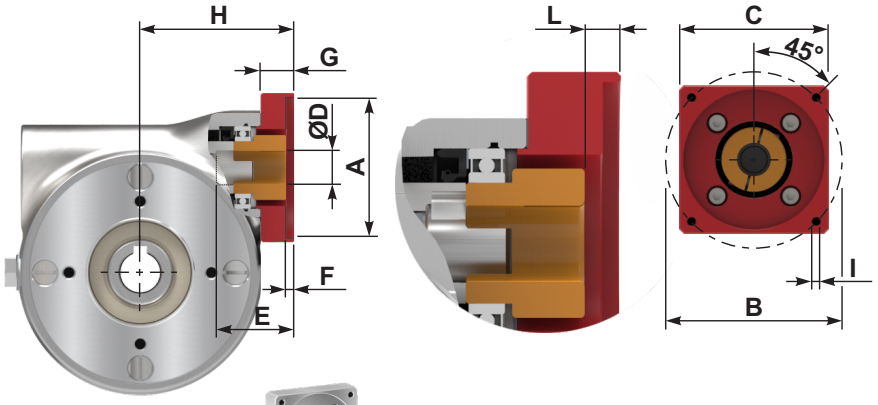


Brushless-Tech
Full stainless steel worm gearboxes

Riduttori a vite senza fine completamente in acciaio inox

N30
N45
N50
N63
N85

VFN
series

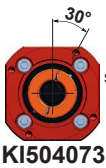




	Catalog Flange Code	Input flanges Kit Code	Bushing Kit Code	Coupling Kit Code	Motor shaft Ø	A	B	C	ØD	E	F	G	L	I	H
N30 21Nm	**BC**	KI304072	KBR11/14G	K0305190L	Ø11	60	75	70	Ø14	30	4.5	20	4.7	M5x12	68
	BB	KI304073	-	K0305190L	Ø14	50	70	60	Ø14	32	4.5	28.5	13.2	M5x12	76.5
N45 41Nm	**BC**	KI504072	KBR11/14G	KC355190L	Ø11	60	75	70	Ø14	44	4.5	23	9	M5x12	79
	BB	KI504073	-	KC355190L	Ø14	50	70	70	Ø14	44	4.5	23	9	M5x12	79
	BE	KI504074	-	KC355190L	Ø14	80	100	85	Ø14	44	4.5	23	9	M6x12	79
	BF	KI504075	-	KC355190L	Ø14	95	115	100	Ø14	44	4.5	23	9	M8x12	79
	BD	KI504078	-	KC355190L	Ø14	70	90	80	Ø14	44	4.5	23	9	M6x12	79
N50 72Nm	**BC**	KI504072	KBR11/19G	K0505190L	Ø11	60	75	70	Ø19	48	4.5	23	9	M5x12	83.5
	BC	KI504072	KBR14/19G	K0505190L	Ø14	60	75	70	Ø19	48	4.5	23	9	M5x12	83.5
	BB	KI504073	KBR14/19G	K0505190L	Ø14	50	70	70	Ø19	48	4.5	23	9	M5x12	83.5
	BE	KI504074	KBR14/19G	K0505190L	Ø14	80	100	85	Ø19	48	4.5	23	9	M6x12	83.5
	BF	KI504075	-	K0505190L	Ø19	95	115	100	Ø19	48	4.5	23	9	M8x12	83.5
	BD	KI504078	-	K0505190L	Ø19	70	90	80	Ø19	48	4.5	23	9	M6x12	83.5
N63 147Nm	**BC**	KI634072	KBR14/22G	KC405190L	Ø14	60	75	90	Ø22	58	4.5	25	9	M5x12	104.5
	BB	KI634073	KBR14/22G	KC405190L	Ø14	50	70	80	Ø22	58	4.5	25	9	M5x12	104.5
	BE	KI634074	KBR14/22G	KC405190L	Ø14	80	100	85	Ø22	58	4.5	25	9	M6x12	104.5
	BF	KI634075	KBR19/22G	KC405190L	Ø19	95	115	100	Ø22	58	4.5	25	9	M8x12	104.5
	BG	KI634076	-	KC405190L	Ø22	110	145	130	Ø22	63	8	30	14	M8x14	109.5
	BD	KI634078	KBR19/22G	KC405190L	Ø19	70	90	90	Ø22	58	4.5	25	9	M6x12	104.5
N85 347Nm	**BF**	KI854075	KBR19/24G	KC505190L	Ø19	95	115	100	Ø24	60	4.5	26	9.5	M8x14	124.5
	BG	KI854076	KBR22/24G	KC505190L	Ø22	110	145	130	Ø24	64	8	30	13.5	M8x14	128.5
	BH	KI854077	-	KC505190L	Ø24	130	165	140	Ø24	60	5	26	9.5	M8x14	124.5
	BD	KI854078	KBR19/24G	KC505190L	Ø19	70	90	95	Ø24	60	4.5	26	9.5	M6x14	124.5

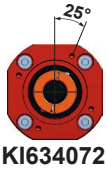
Fixing holes shifted by 35° Fori fissaggio motore ruotatia 35°

KI504072



Fixing holes shifted by 30° Fori fissaggio motore ruotati a 30°

KI504073
KI634078



Fixing holes shifted by 25° Fori fissaggio motore ruotati a 25°

KI634072
KI634073

Viton seals with stainless steel 316L shiel

Anelli di tenuta in viton con schermo protettivo in acciaio inox in AISI 316L

Hardened and ground gears

Ingranaggi temprati e rettificati

Feature
Caratteristiche

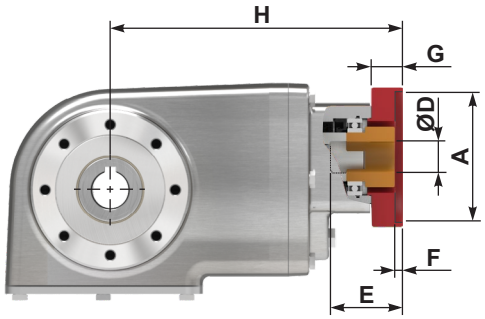
BVN series

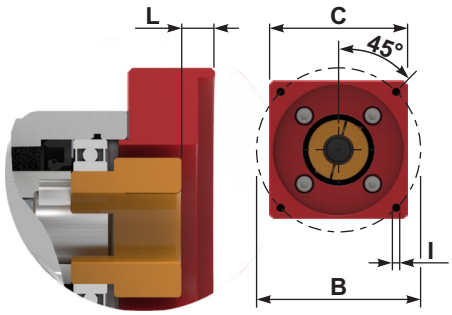
X42N
X43N
X62N
X63N
X73N
X74N

Brushless-Tech

Full stainless steel helical bevel gearboxes

Riduttori a coppia conica completamente in acciaio inox







	Catalog Flange Code	Input flanges Kit Code	Bushing Kit Code	Coupling Kit Code	Motor shaft ø	A	B	C	ØD	E	F	G	L	I	H
X43N 136Nm	BC	KI504072	KBR11/14G	KC355190L	Ø11	60	75	70	Ø14	38	4.5	23	9	M5x12	211
	BC	KI504072	-	KC355190L	Ø14	60	75	70	Ø14	38	4.5	23	9	M5x12	211
	BB	KI504073	-	KC355190L	Ø14	50	70	70	Ø14	38	4.5	23	9	M5x12	211
	BE	KI504074	-	KC355190L	Ø14	80	100	85	Ø14	38	4.5	23	9	M6x12	211
	BF	KI504075	-	KC355190L	Ø14	95	115	100	Ø14	38	4.5	23	9	M8x12	211
	BD	KI504078	-	KC355190L	Ø14	70	90	80	Ø14	38	4.5	23	9	M6x12	211

															X42N	X63N	X74N
X42N 130Nm	BC	KI634072	KBR14/22G	KC405190L	Ø14	60	75	90	Ø22	55.5	4.5	25	8.5	M5x12	205.5	270	317
	BB	KI634073	KBR14/22G	KC405190L	Ø14	50	70	80	Ø22	55.5	4.5	25	8.5	M5x12	205.5	270	317
X63N 410Nm	BE	KI634074	KBR14/22G	KC405190L	Ø14	80	100	85	Ø22	55.5	4.5	25	8.5	M6x12	205.5	270	317
	BF	KI634075	KBR19/22G	KC405190L	Ø19	95	115	100	Ø22	55.5	4.5	25	8.5	M8x12	205.5	270	317
X74N 675Nm	BG	KI634076	-	KC405190L	Ø22	110	145	130	Ø22	60.5	8	30	13.5	M8x14	210.5	275	322
	BD	KI634078	KBR19/22G	KC405190L	Ø22	70	90	90	Ø22	55.5	4.5	25	8.5	M6x12	205.5	270	317

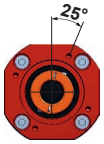
															X62N	X73N
X62N 410Nm	BF	KI854075	KBR19/24G	KC505190L	Ø19	95	115	100	Ø24	58	4.5	26	9	M8x14	261	308
	BG	KI854076	KBR22/24G	KC505190L	Ø22	110	145	130	Ø24	62	8	30	13	M8x14	265	312
X73N 675Nm	BH	KI854077	-	KC505190L	Ø24	130	165	140	Ø24	58	5	26	9	M8x14	261	308
	BD	KI854078	KBR19/24G	KC505190L	Ø19	70	90	95	Ø24	58	4.5	26	9	M6x14	261	308

Fixing holes shifted by 35° Fori fissaggio motore ruotatia 35°

KI504072

Fixing holes shifted by 30° Fori fissaggio motore ruotati a 30°

KI504073
KI634078



Fixing holes shifted by 25° Fori fissaggio motore ruotati a 25°

KI634072
KI634073

Available kits

Kit disponibili

Reduction bushing

Bussola di riduzione

Coupling

Giunto

Flange for servomotor

Flange per servomotori

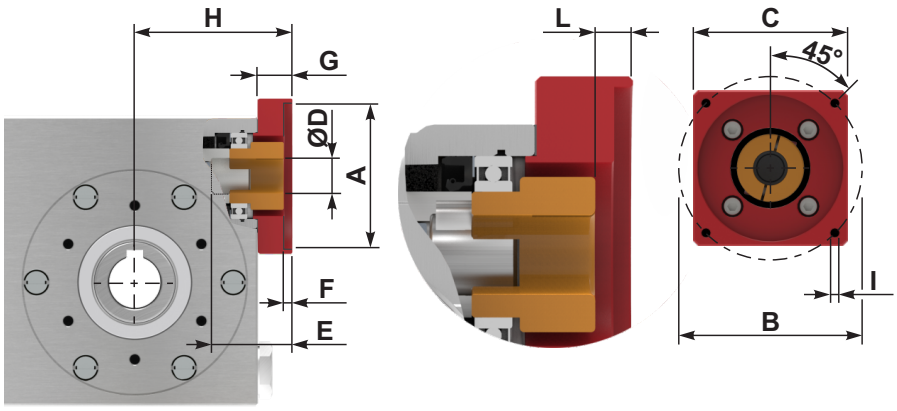
Brushless-Tech

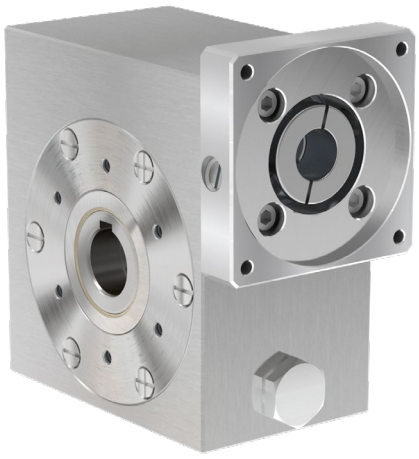
Full stainless steel worm gearboxes

Riduttori a vite senza fine completamente in acciaio inox

I30
I45
I50
I63
I85

VFI series

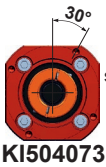




	Catalog Flange Code	Input flanges Kit Code	Bushing Kit Code	Coupling Kit Code	Motor shaft Ø	A	B	C	ØD	E	F	G	L	I	H
I30 21Nm	**BC**	KI304072	KBR11/14G	K0305190L	Ø11	60	75	70	Ø14	30	4.5	20	4.7	M5x12	68
	BB	KI304073	-	K0305190L	Ø14	50	70	60	Ø14	32	4.5	28.5	13.2	M5x12	76.5
I45 41Nm	**BC**	KI504072	KBR11/14G	KC355190L	Ø11	60	75	70	Ø14	44	4.5	23	8.5	M5x12	78.5
	BB	KI504073	-	KC355190L	Ø14	50	70	70	Ø14	44	4.5	23	8.5	M5x12	78.5
	BE	KI504074	-	KC355190L	Ø14	80	100	85	Ø14	44	4.5	23	8.5	M6x12	78.5
	BF	KI504075	-	KC355190L	Ø14	95	115	110	Ø14	44	4.5	23	8.5	M8x12	78.5
	BD	KI504078	-	KC355190L	Ø14	70	90	80	Ø14	44	4.5	23	8.5	M6x12	78.5
I50 72Nm	**BC**	KI504072	KBR11/19G	K0505190L	Ø11	60	75	70	Ø19	48	4.5	23	8.5	M5x12	83
	BC	KI504072	KBR14/19G	K0505190L	Ø14	60	75	70	Ø19	48	4.5	23	8.5	M5x12	83
	BB	KI504073	KBR14/19G	K0505190L	Ø14	50	70	70	Ø19	48	4.5	23	8.5	M5x12	83
	BE	KI504074	KBR14/19G	K0505190L	Ø14	80	100	85	Ø19	48	4.5	23	8.5	M6x12	83
	BF	KI504075	-	K0505190L	Ø19	95	115	100	Ø19	48	4.5	23	8.5	M8x12	83
	BD	KI504078	-	K0505190L	Ø19	70	90	80	Ø19	48	4.5	23	8.5	M6x12	83
I63 147Nm	**BC**	KI634072	KBR14/22G	KC405190L	Ø14	60	75	90	Ø22	58	4.5	25	8.5	M5x12	104
	BB	KI634073	KBR14/22G	KC405190L	Ø14	50	70	80	Ø22	58	4.5	25	8.5	M5x12	104
	BE	KI634074	KBR14/22G	KC405190L	Ø14	80	100	85	Ø22	58	4.5	25	8.5	M6x12	104
	BF	KI634075	KBR19/22G	KC405190L	Ø19	95	115	100	Ø22	58	4.5	25	8.5	M8x12	104
	BG	KI634076	-	KC405190L	Ø22	110	145	130	Ø22	63	8	30	13.5	M8x14	109
	BD	KI634078	KBR19/22G	KC405190L	Ø19	70	90	90	Ø22	58	4.5	25	8.5	M6x12	104
I85 347Nm	**BF**	KI854075	KBR19/24G	KC505190L	Ø19	95	115	100	Ø24	60	4.5	26	9	M8x14	124
	BG	KI854076	KBR22/24G	KC505190L	Ø22	110	145	130	Ø24	64	8	30	13	M8x14	128
	BH	KI854077	-	KC505190L	Ø24	130	165	140	Ø24	60	5	26	9	M8x14	124
	BD	KI854078	KBR19/24G	KC505190L	Ø19	70	90	95	Ø24	60	4.5	26	9	M6x14	124

Fixing holes shifted by 35° Fori fissaggio motore ruotatia 35°

KI504072



Fixing holes shifted by 30° Fori fissaggio motore ruotati a 30°

KI504073
KI634078

Fixing holes shifted by 25° Fori fissaggio motore ruotati a 25°

KI634072
KI634073

Viton seals with stainless steel 316L shiel

Anelli di tenuta in viton con schermo protettivo in acciaio inox in AISI 316L

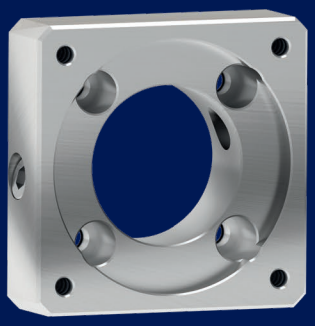
Hardened and ground gears

Ingranaggi temprati e rettificati

Feature
Caratteristiche

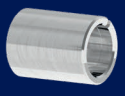
CLEAN-GEARTECH

Brushless-Tech



Flange for servomotor
Flange per servomotore

Coupling
Giunto



Reduction bushing
Bussola di riduzione

IP66 CE NSF COMPONENT

On request
A richiesta
IP69k

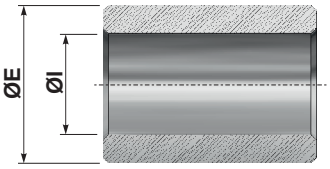
Available kits

Kit disponibili

Reduction bushings Bussole di riduzione

Reduction bushing dimensions
Dimensioni bussola di riduzione

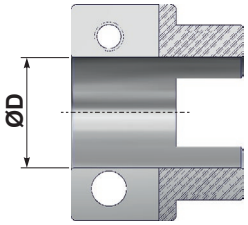
ØI	ØE	Code
Ø9	Ø14	KBR09/14G
Ø11	Ø14	KBR11/14G
Ø11	Ø19	KBR11/19G
Ø14	Ø19	KBR14/19G
Ø14	Ø22	KBR14/22G
Ø19	Ø22	KBR19/22G
Ø19	Ø24	KBR19/24G
Ø22	Ø24	KBR22/24G



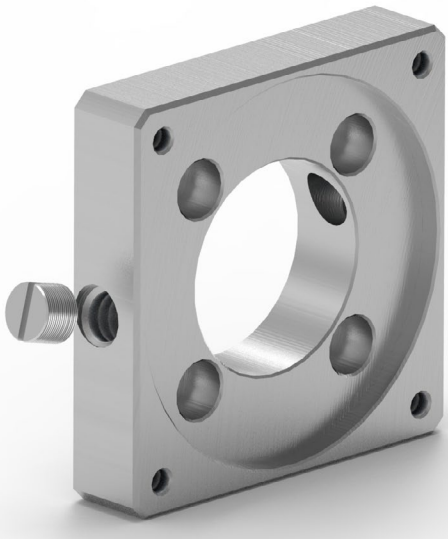
Couplings Giunti

Coupling dimensions
Dimensioni giunto

ØD	Code
Ø9	K0305190L
Ø14	KC355190L
Ø19	K0505190L
Ø22	KC405190L
Ø24	KC505190L

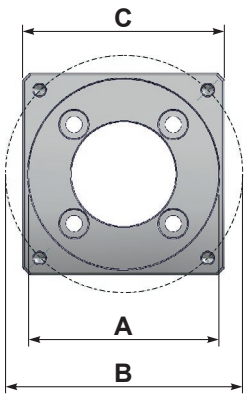


Flanges for servomotor Flange per servomotore



Flange dimensions
Dimensioni flangia

Catalog Flange Code	Code Kit flange ALUMINUM	Code Kit flange STAINLESS STEEL	A	B	C
BA	K0304071	NOT AVAILABLE	40	63	58
BC	K0304072	KI304072	60	75	70
BB	K0304073	KI304073	50	70	60
BC	KD504072	KI504072	60	75	70
BB	KD504073	KI504073	50	70	70
BE	KD504074	KI504074	80	100	85
BF	KD504075	KI504075	95	115	100
BD	KD504078	KI504078	70	90	80
BC	KD634072	KI634072	60	75	90
BB	KD634073	KI634073	50	70	80
BE	KD634074	KI634074	80	100	85
BF	KD634075	KI634075	95	115	100
BG	KD634076	KI634076	110	145	130
BD	KD634078	KI634078	70	90	90
BF	KD854075	KI854075	95	115	100
BG	KD854076	KI854076	110	145	130
BH	KD854077	KI854077	130	165	140
BD	KD854078	KI854078	70	90	95



Selecting a gearbox with brushless motor

Selezione di un riduttore con motore brushless

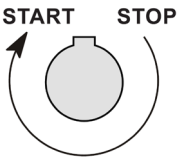
Several factors should be considered before selecting the appropriate gearbox for :

Diversi fattori devono essere considerati prima di selezionare il riduttore appropriato per:

1 **motor speeds from 0 to 1500 rpm, you can use the rating in our Clean-Geartech general catalog.**
Velocità del motore da 0 a 1500 giri/min, vedere la selezione nel nostro catalogo generale Clean-Geartech.

2 **Applications having frequent starts and stops.**
Applicazioni con avviamenti e arresti frequenti.

3 **Quick inversion of rotation.**
Veloci inversioni di rotazione.



N30 **21 Nm**

VFN series
Full stainless steel round worm gearboxes
Riduttori a vite senza fine tondo completamente in acciaio inox

Input speed (n_1) = 1400 min^{-1}

Output speed n_2 [min^{-1}]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	B5 motor flanges - - - -	B14 motor flanges -O 56	B14 motor flanges -P 63	Dynamic efficiency RD	Tooth module [mm]	Ratio code
280	**5**	0.18	5	3.3	0.60	17		B-C		82	1.26	09
200	**7**	0.18	7	2.4	0.44	17		B-C		80	1.44	01
140	**10**	0.18	10	1.8	0.32	17		B-C		78	1.44	02
93	**15**	0.18	13	1.4	0.25	19		B-C		73	1.44	03
70	**20**	0.18	17	1.1	0.20	19		B-C		70	1.09	04
47	**30**	0.12	15	1.4	0.17	21		B-C		62	1.44	05
35	**40**	0.12	19	1.1	0.13	20		B-C		57	1.09	06
23	**61**	0.09	19	1.1	0.10	20		B-C		50	0.72	07
17.5	**80**	0.06	16	1.0	0.06	16		B-C		48	0.56	08
14	**100**	0.06*	16	0.5	0.03	8		B-C		40	0.45	10

*** Power higher than the maximun one which can be supported by the gearbox. Select according to the torque M_{2R}**
Potenza superiore a quella massima sopportabile dal riduttore.Selezionare in base al momento torcente M_{2R}

Service factor - Worm gears / Fattore di servizio - Ingranaggi a vite senza fine

Type of load and starts per hour / Tipo di carico e avviamenti per ora			Oper. hours per day / Ore di funz. giorn. <2 h	2 ÷ 8 h	8 ÷ 16 h
Continuous or intermittent appl. with start / hour Applicazione cont. o interm. con n.ro operazioni/ora	h ≤ 10	**Uniform** / Uniforme	0.9	1	1.25
		Moderate / Moderato	1	1.25	1.5
		Heavy / Forte	1.25	1.5	1.75
Intermittent application with start / hour Applicazione intermittente con n.ro operazioni/ora	h > 10	**Uniform** / Uniforme	1.25	1.5	1.75
		Moderate / Moderato	1.5	1.75	2
		Heavy / Forte	1.75	2	2.25

Service factor - Gears / Fattore di servizio - Ingranaggi

Type of load and starts per hour / Tipo di carico e avviamenti per ora			Oper. hours per day / Ore di funz. giorn. 3 h	10 h	24 h
Continuous or intermittent appl. with start / hour Applicazione cont. o interm. con n.ro operazioni/ora	h ≤ 10	**Uniform** / Uniforme	0.8	1	1.25
		Moderate / Moderato	1	1.25	1.5
		Heavy / Forte	1.25	1.5	1.75
Intermittent application with start / hour Applicazione intermittente con n.ro operazioni/ora	h > 10	**Uniform** / Uniforme	1	1.25	1.5
		Moderate / Moderato	1.25	1.5	1.75
		Heavy / Forte	1.5	1.75	2.15

Add a second service factor for:

Aggiungere un secondo fattore di servizio per:

4 **Motor speeds from 1500 to 3000 rpm: Consider a reduction of the nominal torque M_{2R} of 20%.**
Velocità del motore da 1500 a 3000 giri/min: Considerare una riduzione della coppia nominale M_{2R} del 20%.

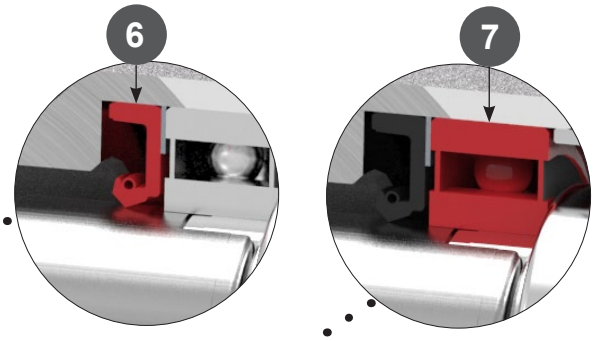
5 **Motor with speeds over 3000rpm please contact us.**
Velocità del motore oltre 3000 giri/min, contattateci.

Special options on request on the gearbox

Opzioni speciali a richiesta sul riduttore

6 **ON REQUEST for speeds above 2000 rpm FKM oil seal are used on coupling configuration.**
A RICHIESTA per velocità al di sopra di 2000 giri/min in ingresso sul giunto usare anello di tenuta in FKM.

7 **With high speed C3 bearings are suggested.**
Con alte velocità si consigliano cuscinetti con gioco C3.



Lubrication for mounting position

Lubrificatione per posizione di montaggio

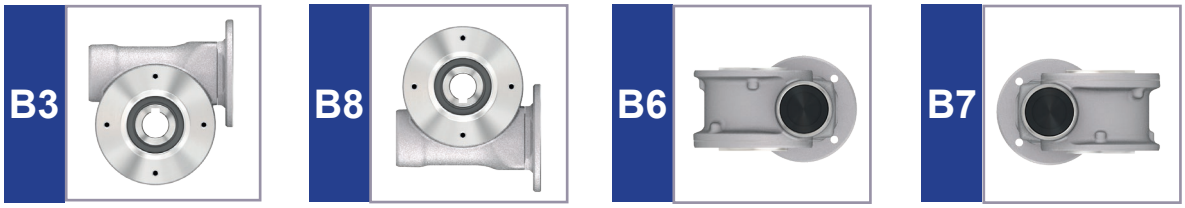
Suggested mounting position are as follows

Le posizioni di montaggio suggerite sono le seguenti

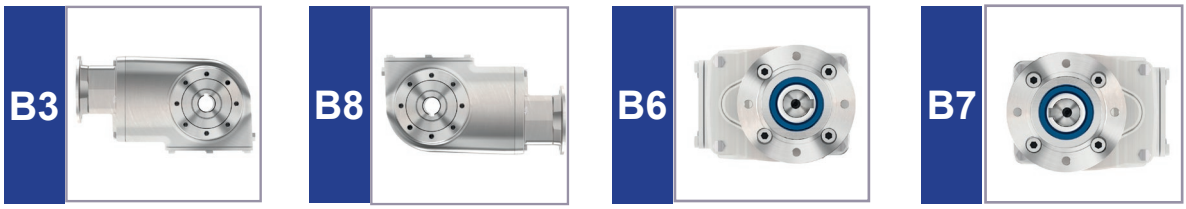
With high input speeds above 2000 rpm Oil breather plugs are suggested as internal pressure can rise. In some critical cases the oil quantity that are indicated in our website on the lubrication pages, may need to reduced. So please contact us.

Con velocità di ingresso elevate superiori a 2000 giri/min si consiglia l'uso di tappi di sfiato olio poiché la pressione interna può aumentare. In alcuni casi critici potrebbe essere necessario ridurre la quantità di olio indicata nel nostro sito relativa alla lubrificazione. Quindi per favore contattaci.

WORM GEARBOXES



COAXIAL GEARBOXES



SUGGESTED POSITION

Vertical positions are critical

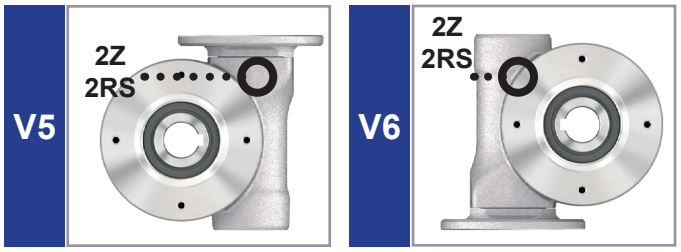
Le posizioni verticali sono critiche

These position required 2Z or 2RS bearings.
Queste posizioni richiedono l'utilizzo di cuscinetti 2Z o 2RS.

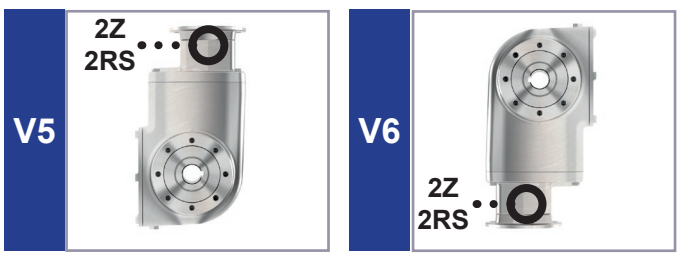
V6/H6
MOST CRITICAL

Continuous duty with high start and stop is not suggested. In this condition the correct functioning of lower oil seal becomes critical.
Il servizio continuo con avvii e arresti frequenti non è consigliato.
In questa condizione il corretto funzionamento dell'anello di tenuta inferiore diventa critico.

WORM GEARBOXES



HELICAL BEVEL GEARBOXES



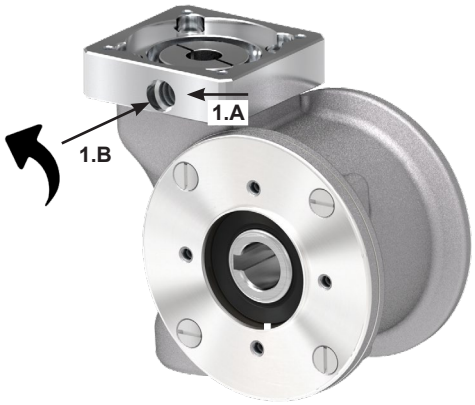
MOST CRITICAL V6

Instructions
Istruzioni

Motor assembly instructions

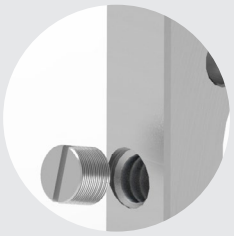
Istruzioni per il montaggio del motore

1



1.A

Remove the protection screws on the input flange.
Rimuoverele le viti di protezione sulla flangia motore.



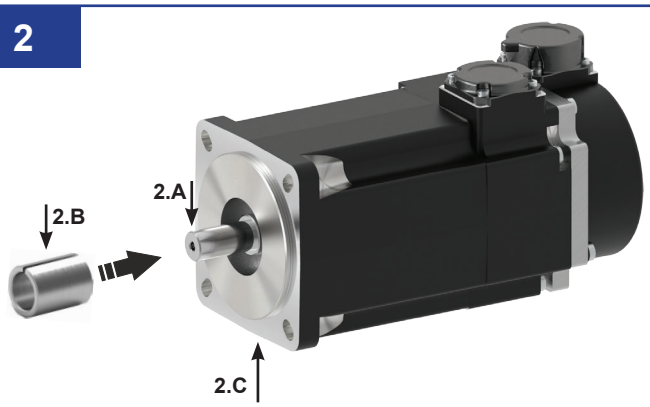
1.B

Loosen the fastening screws of the coupling.
Allentare le viti di serraggio del giunto.

CHECK
2.A

Motor shaft without key.
Albero motore senza linguetta.

2



2.B

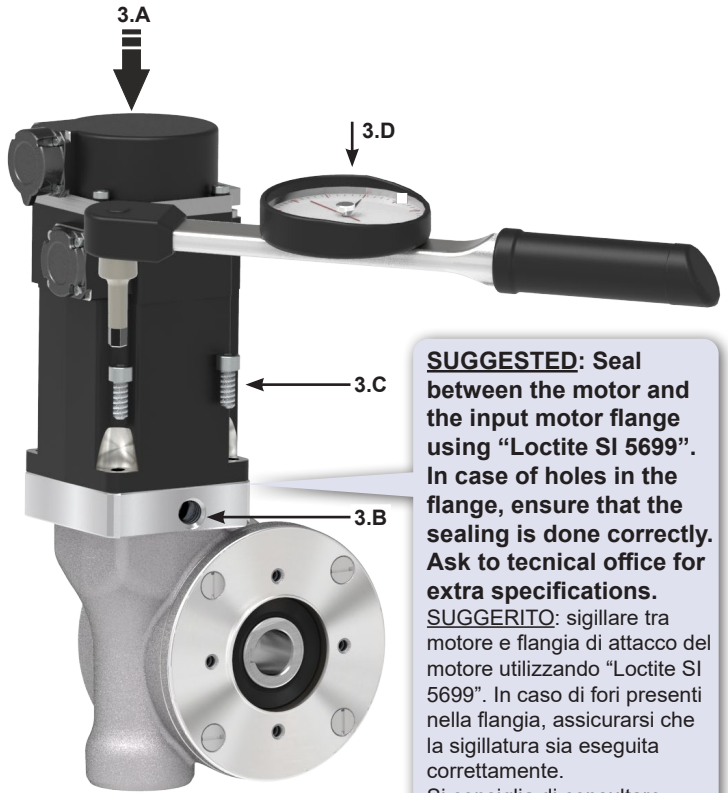
Only if used with reduction bushing.
Mount the reduction bushing with a rubber hammer.

Se prevista la bussola di riduzione.
Utilizzare un martello di gomma per il montaggio.

CHECK
2.C

Clean the contact surface on the motor flange and input flange.
Pulire le superfici di contatto della flangia motore e flangia riduttore.

3

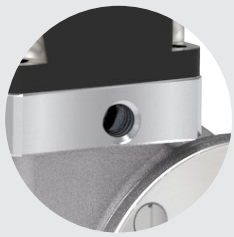


CHECK
3.A

Place the gearbox with the hollow shaft that has to be connected with the motor (input shaft) facing up. The gearbox has to be without load and the output shaft has to be free to rotate.
Posizionare il riduttore con l'albero cavo di accoppiamento al motore (albero entrata) rivolto verso l'alto. Il riduttore non deve essere collegato a nessun carico e l'albero di uscita deve essere libero di ruotare.

CHECK
3.B

Before mounting the motor, check the screw is aligned with the hole on the input motor flange.
Prima di montare il motore, assicurarsi che la vite del giunto sia allineata con il foro sulla flangia riduttore.



3.C

For fixing the motor, apply anti-loosening paste on screw thread, employ Arexons 52A70 strong thread lock or similar.
Per il fissaggio del motore , applicare un prodotto anti-svitamento sui filetti delle viti, utilizzare un frena filetto forte tipo Arexons 52A70 o similare.

3.D

Tighten the screws according to table torque values. Recommended the class screws 8.8 .
Serrare le viti in base ai valori in tabella. Consigliato le viti di classe 8.8 .

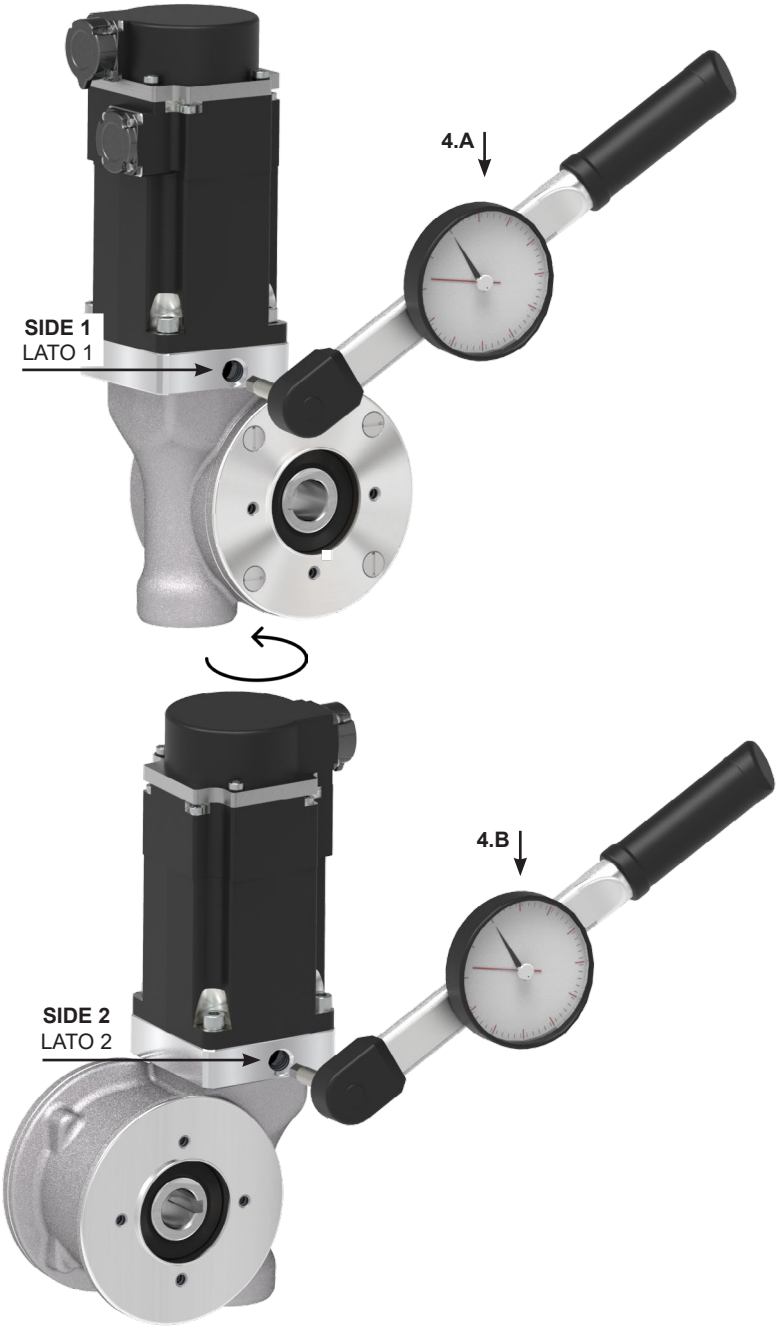
Screw Vite	**TS** [Nm]
M4	3
M5	6
M6	10
M8	25
M10	45

SUGGERITO: Seal between the motor and the input motor flange using "Loctite SI 5699". In case of holes in the flange, ensure that the sealing is done correctly. Ask to tecnical office for extra specifications.
SUGGERITO: sigillare tra motore e flangia di attacco del motore utilizzando "Loctite SI 5699". In caso di fori presenti nella flangia, assicurarsi che la sigillatura sia eseguita correttamente.
Si consiglia di consultare l'ufficio tecnico per ulteriori specifiche.

Motor assembly instructions

Istruzioni per il montaggio del motore

4



4.A

Tighten the screws (SC) according to the torque (TS) reported in the table.
(SC) Socked-head screw (Allen screw), class screws 8.8 .
Stringere le viti (SC) del giunto in base alla coppia di serraggio (TS) riportata nella tabella.
(SC) Vite a testa cilindrica esagono incassato (Brogola), classe 8.8 .

Coupling kit code	SC	TS [Nm]
K0305190L	M4x14	3.5
KC355190L	M4x14	3.5
K0505190L	M5x16	6
KC405190L	M5x16	6
KC505190L	M6x20	10

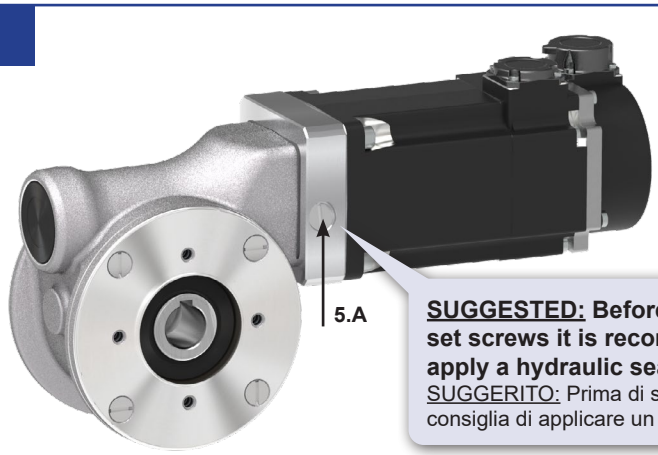
4.B

First tighten on side 1 and side 2, repeat the tightening a second round on both sides.
Stringere una prima volta sul lato 1 e sul lato 2, ripetere il serraggio una seconda volta su entrambi i lati.

CHECK

Exceed the torque fixing the locking bolt can damage the coupling.
Il superamento della coppia di serraggio della vite di bloccaggio può danneggiare il dispositivo di accoppiamento

5



CHECK
5.A

Reset the protection screws.
Riposizionare le viti di protezione.

SUGGESTED: Before tightening the set screws it is recommended to apply a hydraulic sealant.
SUGGERITO: Prima di serrare i grani si consiglia di applicare un sigillante idraulico.

NOTES

CLEAN-GEARTECH

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