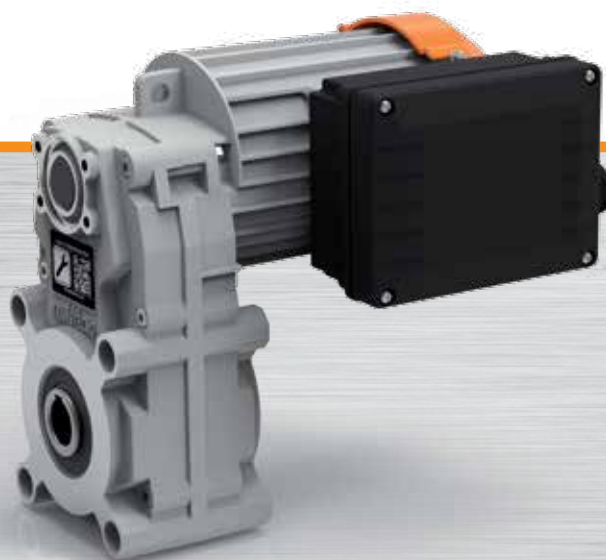
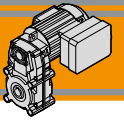




Motoriduttori pendolari
Helical parallel gearmotors

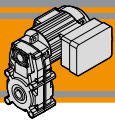




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KFT105 Motoriduttori pendolari Helical parallel gearmotors

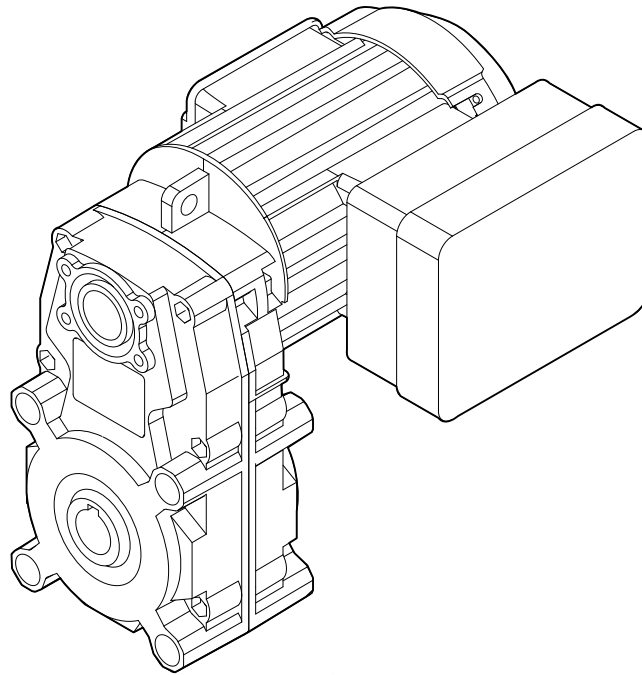
Caratteristiche tecniche

Technical features

I motoriduttori pendolari della serie KFT105 hanno le seguenti caratteristiche principali:

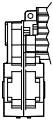
KFT105 helical parallel gearmotors range has the following main features:

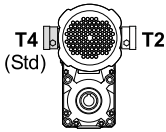
- Costruzione compatta
- Motorizzazioni in corrente alternata monofase e trifase
- Carcassa in pressofusione di alluminio
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati
- Lubrificazione permanente con olio sintetico
- Disponibili a 3 e 4 stadi di riduzione
- Compact design
- AC single phase and three phase motors available
- Die-cast aluminium housings
- Ground-hardened helical gears
- Permanent synthetic oil long-life lubrication
- Available with 3 and 4 reduction stages

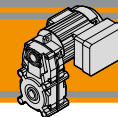


Designazione

Classification

RIDUTTORE / GEARBOX				
KFT	105/3	U	88.87	O20
Tipo Type	Grandezza Size	Versione Version	Rapporto Ratio	Albero cavo uscita Hollow output shaft
	105/3 105/4	U... F...	vedi tabelle see tables	vedi tabelle see tables

MOTORE / MOTOR						
40W	4p	3ph	230/400V	50Hz	T1	TEFC
Potenza Power	Poli Poles	Fasi Phases	Tensione Voltage	Frequenza Frequency	Pos. morsetti Terminal box pos.	Ventilazione Fan cooling
vedi tabelle see tables	2p 4p 6p	1ph 3ph	230V ... 230/400V ...	50Hz 60Hz		TEFC TENV



Simbologia

n_1	[min ⁻¹]	Velocità in ingresso / <i>Input speed</i>
n_2	[min ⁻¹]	Velocità in uscita / <i>Output speed</i>
i		Rapporto di riduzione / <i>Ratio</i>
P_1	[kW]	Potenza in entrata / <i>Input power</i>
M_2	[Nm]	Coppia nominale in uscita in funzione di P_1 / <i>Output torque referred to P_1</i>
P_{n1}	[kW]	Potenza nominale in entrata / <i>Nominal input power</i>
M_n	[Nm]	Coppia nominale / <i>Nominal torque</i>
sf		Fattore di servizio / <i>Service factor</i>
R_2	[N]	Carico radiale ammissibile in uscita / <i>Permitted output radial load</i>
A_2	[N]	Carico assiale ammissibile in uscita / <i>Permitted output axial load</i>
V	[N]	Tensione / <i>Voltage</i>
F	[Hz]	Frequenza / <i>Frequency</i>
I_n	[A]	Corrente nominale / <i>Nominal current</i>
I_s	[A]	Corrente di spunto / <i>Start current</i>
$\cos\phi$		Fattore di potenza / <i>Power factor</i>
C	[μ]	Capacità del condensatore / <i>Capacitor</i>

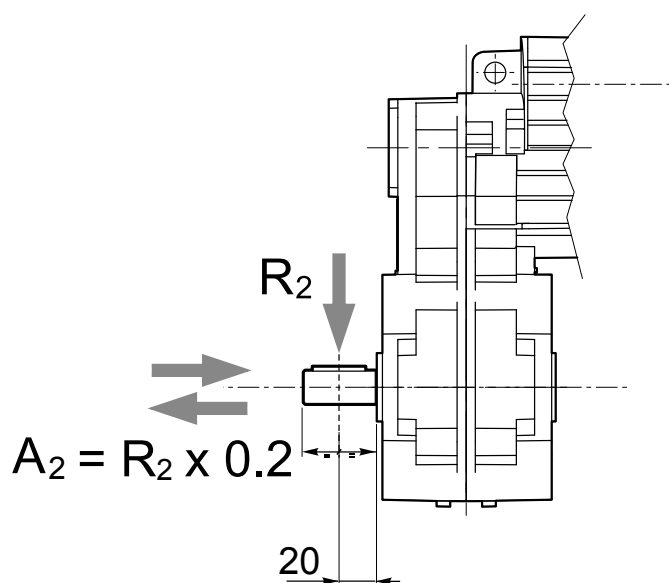
Lubrication

Tutti i motoriduttori sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione.

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.

Carichi radiali

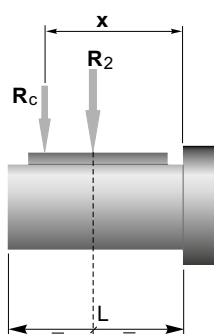
Radial loads



n_2 [min ⁻¹]	R_2 [N]
	KFT105
70	1500
40	1700
30	1850
20	2000
10	2000
5	2000

Quando il carico radiale risultante non è applicato sulla mezza-
ria dell'albero occorre calcolare quello effettivo con la seguente
formula:

*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:*

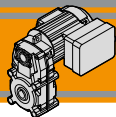


	KFT105
a	82
b	62
R_{2MAX}	2000

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

*a, b = valori riportati nella tabella
a, b = values given in the table*

$$R \leq R_c$$










KFT105 Motoriduttori pendolari

Helical parallel gearmotors

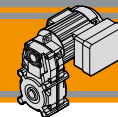
Dati tecnici

Technical data

P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	M_n [Nm]	i		P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	M_n [Nm]	i	
25							90						
68	3	12.1	40	20.57	KFT105/3		68	12	3.4	40	20.57	KFT105/3	
42	5	9.4	50	33.32			42	19	2.6	50	33.32		
32	7	9.1	65	44.36			32	26	2.5	65	44.36		
26	9	7.4	65	54.87			26	32	2.1	65	54.87		
19	12	5.6	65	71.84			19	41	1.6	65	71.84		
18	12	5.3	65	77.07			18	44	1.5	65	77.07		
16	14	4.6	65	88.87			16	51	1.3	65	88.87		
11	20	3.2	65	124.81			11	72	0.9	65	124.81		
7.7	29	2.2	65	181.35			7.7	105	0.62	65	181.35		
6.2	36	1.8	65	224.32			6.2	110	0.59	65	224.32		
4.4	51	1.3	65	315.05	4.4	110	0.59	65	315.05				
3.8	58	1.1	65	368.19	KFT105/4	3.8	120	0.54	65	368.19	KFT105/4		
2.6	84	0.8	65	534.98	KFT105/4	2.6	120	0.54	65	534.98	KFT105/4		
2.1	104	0.63	65	661.76		2.1	120	0.54	65	661.76			
1.5	120	0.54	65	929.40		1.5	120	0.54	65	929.40			
40							120						
68	5	7.6	40	20.57	KFT105/3		68	16	2.5	40	20.57	KFT105/3	
42	9	5.9	50	33.32			42	26	2.0	50	33.32		
32	11	5.7	65	44.36			32	34	1.9	65	44.36		
26	14	4.6	65	54.87			26	42	1.5	65	54.87		
19	18	3.5	65	71.84			19	55	1.2	65	71.84		
18	20	3.3	65	77.07			18	59	1.1	65	77.07		
16	23	2.9	65	88.87			16	68	1.0	65	88.87		
11	32	2.0	65	124.81			11	96	0.7	65	124.81		
7.7	47	1.4	65	181.35			7.7	110	0.59	65	181.35		
6.2	58	1.1	65	224.32			6.2	110	0.59	65	224.32		
4.4	81	0.8	65	315.05	4.4	110	0.59	65	315.05				
3.8	92	0.7	65	368.19	KFT105/4	3.8	120	0.54	65	368.19	KFT105/4		
2.6	120	0.54	65	534.98	KFT105/4	2.6	120	0.54	65	534.98	KFT105/4		
2.1	120	0.54	65	661.76		2.1	120	0.54	65	661.76			
1.5	120	0.54	65	929.40		1.5	120	0.54	65	929.40			
60													
68	8	5.1	40	20.57	KFT105/3								
42	13	3.9	50	33.32									
32	17	3.8	65	44.36									
26	21	3.1	65	54.87									
19	28	2.4	65	71.84									
18	30	2.2	65	77.07									
16	34	1.9	65	88.87									
11	48	1.4	65	124.81									
7.7	70	0.9	65	181.35									
6.2	86	0.8	65	224.32									
4.4	110	0.59	65	315.05									
3.8	120	0.54	65	368.19	KFT105/4								
2.6	120	0.54	65	534.98	KFT105/4								
2.1	120	0.54	65	661.76									
1.5	120	0.54	65	929.40									

N.B.
Verificare sempre che la coppia M_2 utilizzata non ecceda il valore indicato nelle caselle in grigio

N.B.
Please check that the output torque M_2 does not exceed the value in the grey areas



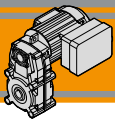
Dati tecnici elettrici

Electrical technical data

1 Ph	P_n [W]	V [V]	F [Hz]	I_n [A]	I_s [A]	$\cos\phi$	C [μ F]
	25	230	50	0.42	0.84	0.87	6.0
	40			0.47	0.86	0.91	6.3
	60			0.74	1.50	0.82	8.0
	90			0.82	1.60	0.93	12.5
	120			1.38	3.10	0.81	14.0

3 Ph	P_n [W]	V [V]	F [Hz]	I_n [A]	I_s [A]	$\cos\phi$
	25	230	50	0.41	0.97	0.54
		400		0.24	0.56	0.54
	40	230	50	0.43	0.97	0.62
		400		0.25	0.56	0.62
	60	230	50	0.72	1.80	0.48
		400		0.42	1.04	0.48
	90	230	50	0.74	1.80	0.60
		400		0.44	1.04	0.60
	120	230	50	1.34	3.70	0.50
		400		0.87	2.13	0.50

KFT



KFT105 Motoriduttori pendolari Helical parallel gearmotors

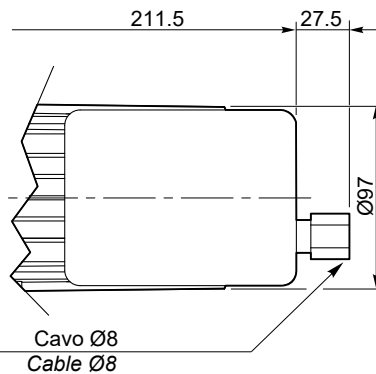
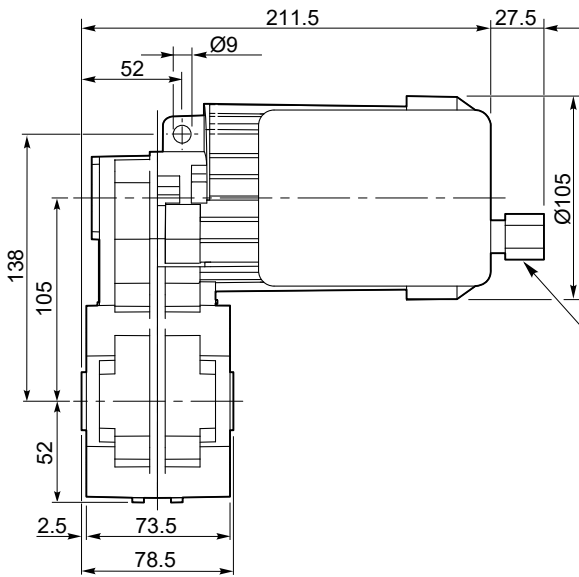
Dimensioni

Dimensions

KFT 105... 25W - 40W - 60W - 90W

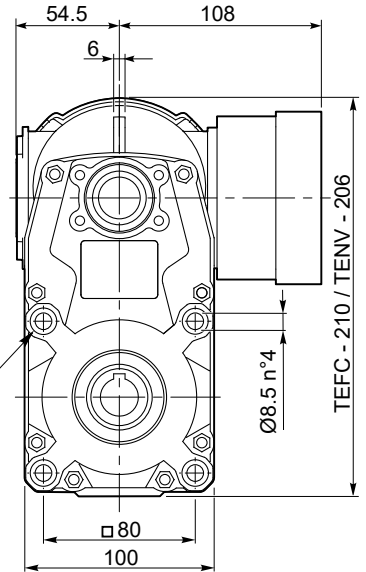
KFT 105...1 Ph...TEFC

KFT 105...1 Ph...TENV



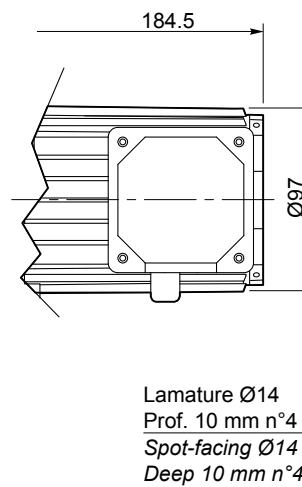
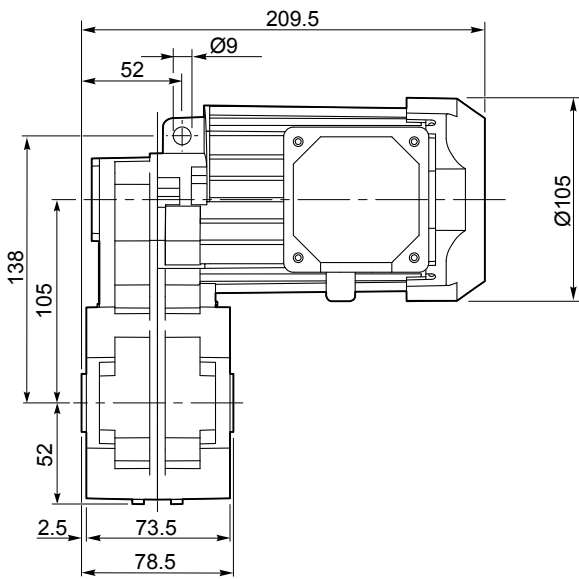
Lamature $\varnothing 14$
Prof. 10 mm n°4
Spot-facing $\varnothing 14$
Deep 10 mm n°4

NOTA: Stessi fissaggi da entrambi i lati
NOTE: Same fixing points in both sides



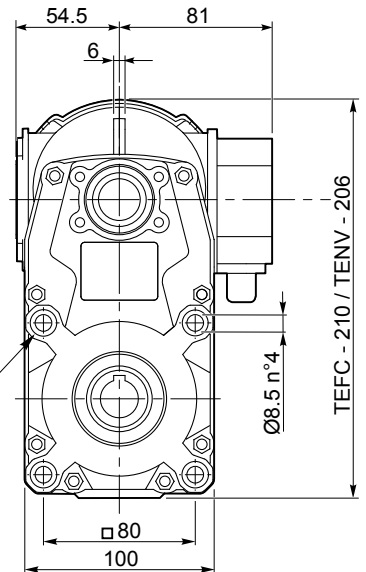
KFT 105...3 Ph... TEFC

KFT 105...3 Ph... TENV

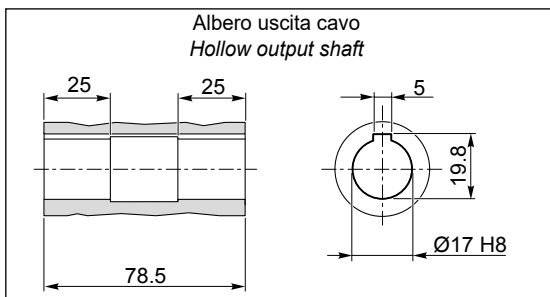


Lamature $\varnothing 14$
Prof. 10 mm n°4
Spot-facing $\varnothing 14$
Deep 10 mm n°4

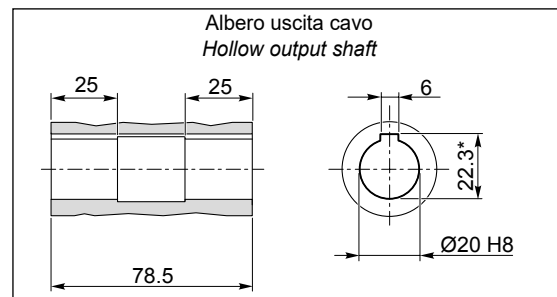
NOTA: Stessi fissaggi da entrambi i lati
NOTE: Same fixing points in both sides



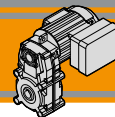
O17



O20



*Sede linguetta ribassata / Special Keyway



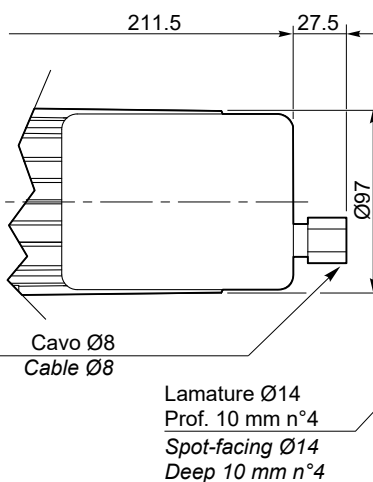
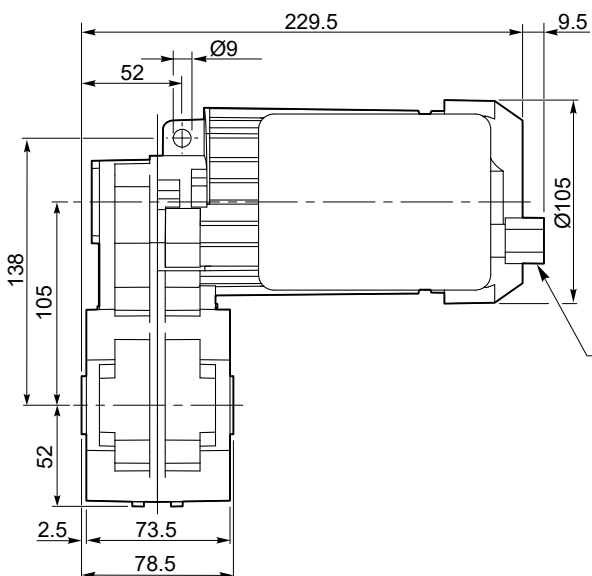
Dimensioni

Dimensions

KFT 105... 120W

KFT 105...1 Ph... TEFC

KFT 105...1 Ph...TENV

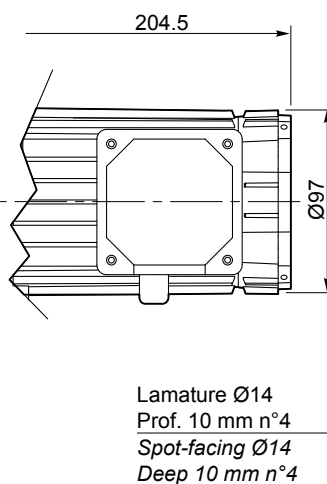
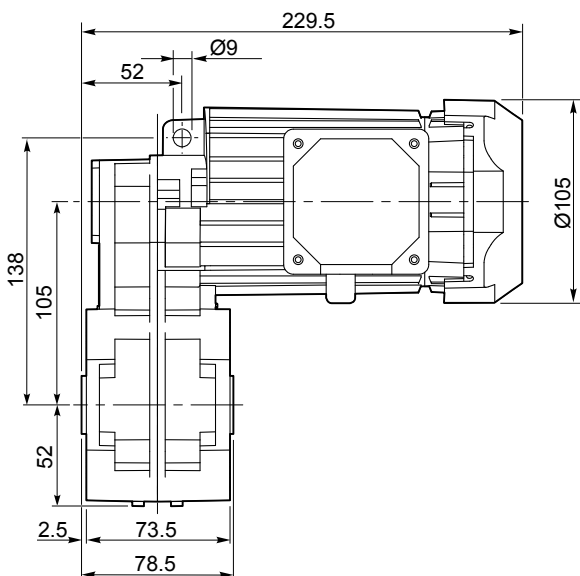


NOTA: Stessi fissaggi da entrambi i lati
NOTE: Same fixing points in both sides

Cavo $\varnothing 8$
Cable $\varnothing 8$
Lamature $\varnothing 14$
Prof. 10 mm n°4
Spot-facing $\varnothing 14$
Deep 10 mm n°4

KFT 105...3 Ph... TEFC

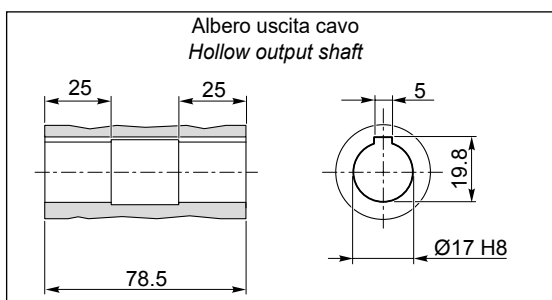
KFT 105...3 Ph... TENV



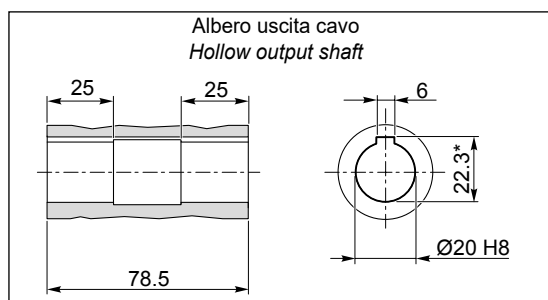
NOTA: Stessi fissaggi da entrambi i lati
NOTE: Same fixing points in both sides

Lamature $\varnothing 14$
Prof. 10 mm n°4
Spot-facing $\varnothing 14$
Deep 10 mm n°4

O17



O20



*Sede linguetta ribassata/ Special Keyway

KFT

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