


TEST BASED ON THE ROTATING SPEED

The maximum rotating speed indicated for each coupling represents an operating limit calculated for an angular misalignment that does not exceed 1/12 of a degree. Both the nominal torque and the permitted rotating speed are reduced for greater angular misalignments. Adopt a coefficient equal to 1.12 to increase the service factor and select the coupling as described previously when both the misalignment and the operating speed are less than the suggested reference values, but are close to these values. Contact our Technical Services for operating conditions with misalignments and operating speeds that exceed the suggested reference values.

TEST BASED ON THE REQUIRED USEFUL WORKING LIFE

Nominal operating conditions (torque, misalignment and rotating speed). Operating lifespans that exceed the standard duration cause the nominal torque to decrease.

The service factor must be multiplied by a lifespan coefficient defined as follows if a given operating lifespan, which exceeds the standard working lifespan, is required.

OPERATING LIFESPAN IN HOURS	3800	4000	6000	8000	12000	20000
LIFESPAN COEFFICIENT	1	1,06	1,17	1,26	1,39	1,58

The nominal torque verified for the lifespan must be further decreased in the fairly improbable circumstance in which the actual operating speed is greater than the maximum permitted operating speed for the misalignment conditions of the coupling when in operation.

COMPONENT PARTS OF THE "GIFLEX®" GFA COUPLING

COUPLING TYPE	POS. 1		POS. 2		POS. 3		POS. 4		POS. 5		Allen wrench	N° of pieces
	description	N° of pieces	description	N° of pieces	Seal ring Corteco NBR DIN 3760 A	N° of pieces	Flexible ring for bores DIN 472	N° of pieces	Flat dowel UNI 5923	N° of pieces		
GFA 25	sleeve	1	HUB	2	BA 42x56x7	2	56 I	2	M 6x8	2	D.3	1
GFA 32	sleeve	1	HUB	2	BA 56x72x8	2	72 I	2	M 6x8	2	D.3	1
GFA 40	sleeve	1	HUB	2	BA 64x80x8	2	80 I	2	M 6x8	2	D.3	1
GFA 56	sleeve	1	HUB	2	BA 80x100x10	2	100 I	2	M 6x8	2	D.3	1
GFA 63	sleeve	1	HUB	2	BA 100x125x12	2	125 I	2	M 6x8	2	D.3	1
GFA 80	sleeve	1	HUB	2	BA 125x160x12	2	160 I	2	M 6x8	2	D.3	1
GFA 100	sleeve	1	HUB	2	SMIM 150x180x12	2	180 I	2	M 6x8	2	D.3	1
GFA 125	sleeve	1	HUB	2	SM 190x220x15	2	220 I	2	M 6x8	2	D.3	1
GFA 155	sleeve	1	HUB	2	SMIM 240x280x15	2	280 I	2	M 6x8	2	D.3	1

COMPONENT PARTS OF THE "GIFLEX®" GFAS COUPLING

COUPLING TYPE	POS. 1		POS. 2		POS. 3		POS. 4		POS. 5		Allen wrench	N° of pieces
	description	N° of pieces	description	N° of pieces	Seal ring Serie UM Gaco NBR	N° of pieces	Flexible ring for bores DIN 471	N° of pieces	Flat dowel UNI 5923	N° of pieces		
GFAS 25	sleeve	1	HUB	1	UM 60x40x10	1	40 E	1	M 6x8	2	D.3	1
GFAS 32	sleeve	1	HUB	1	UM 75x55x10	1	55 E	1	M 6x8	2	D.3	1
GFAS 40	sleeve	1	HUB	1	UM 85x65x10	1	65 E	1	M 6x8	2	D.3	1
GFAS 56	sleeve	1	HUB	1	UM 100x80x10	1	80 E	1	M 6x8	2	D.3	1
GFAS 63	sleeve	1	HUB	1	UM 120x100x10	1	100 E	1	M 6x8	2	D.3	1
GFAS 80	sleeve	1	HUB	1	UM 155x125x15	1	125 E	1	M 6x8	2	D.3	1
GFAS 100	sleeve	1	HUB	1	UM 180x150x15	1	150 E	1	M 6x8	2	D.3	1