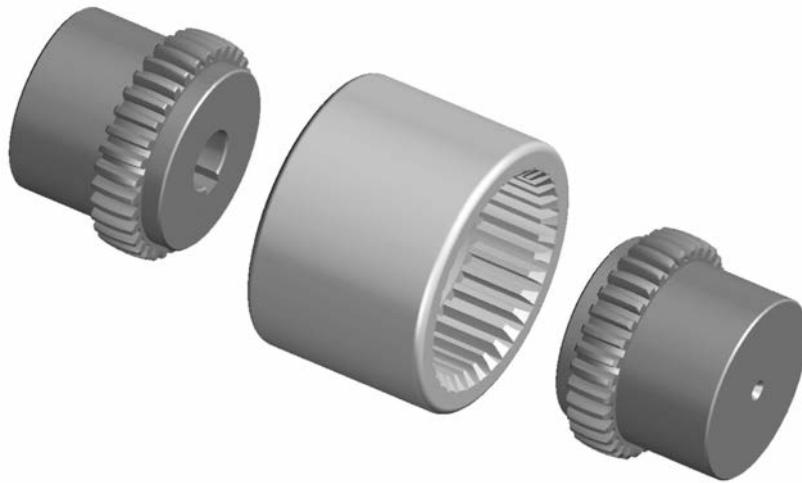


SITEX® teeth couplings

Description

SITEX® couplings consist of two toothed hubs which are connected with one internally toothed sleeve. The hubs are made of steel and the teeth, which are both profiled and section crowned, are

milled. The sleeve is manufactured from stabilized 6.6 super-polyamide resin.



Features

SITEX® couplings are members of the elastic coupling family range. Sitex couplings are well suited for applications with axial, radial, and angular displacement of the connected shafts. The double cardanic action eliminates the imposition of loads on the shafts which results from radial and axial misalignment.

The torsional rigidity of the sleeve prevents angular speed variation.

The combination of steel hubs with Polyamide sleeve makes the coupling maintenance and lubrication free.

The particular toothed profile prevents contact of tooth edges with the sleeve, ensuring long life of the coupling.

ATEX 94/9/EC compliance

It is possible to ask for specific certification for use in hazardous area according to EC standard 94/9/EC. TRASCO couplings are available with specific mounting/operating instruction manual and conformity. For information, please contact our technical office.

Performance

Mounting can be in both the horizontal and vertical planes. Installation is simple and quick, which lowers installation costs.

The coupling is suitable for operating in temperatures ranging from - 25 °C to + 90 °C.

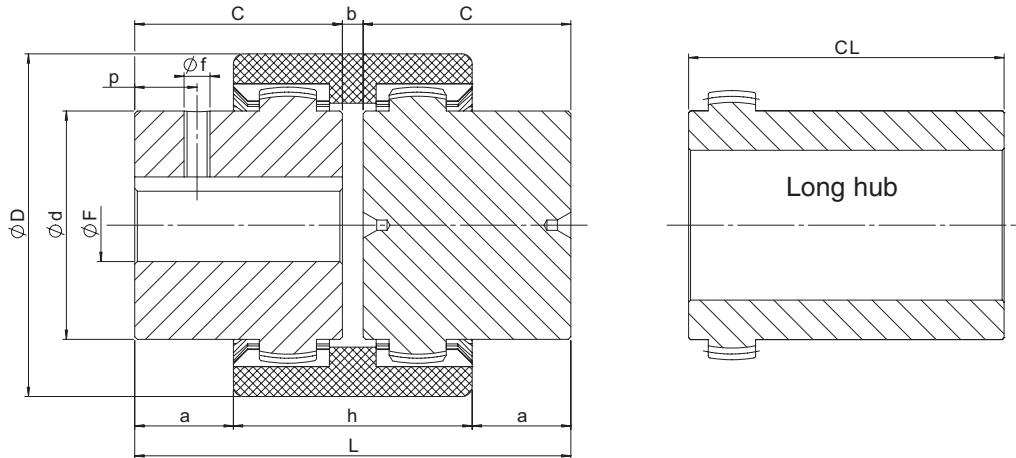
For short intervals, temperatures of + 125 °C can be tolerated. Components of the coupling are resistant to all types of lubricants and hydraulic fluids.

Dimensional characteristics

Due to compact dimensions and excellent performances, SITEX® couplings may be used in a wide range of applications. Couplings are available from stock, both the standard and the "long" hub execution, which entirely covers the motor shaft.

SITEX hubs are available with certain stock bores as listed below. The standard solid hub has a pilot center concentric to the hub OD and can be bored to specific needs.

Approved according to EC standard ATEX 94/9/EC.

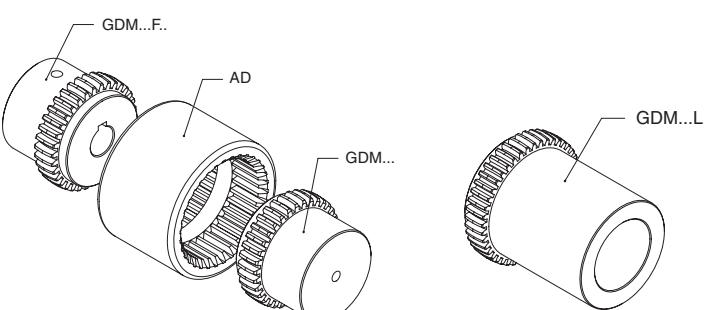


Size	D [mm]	d [mm]	F (H7)			C [mm]	CL [mm]	b [mm]	a [mm]	h [mm]	L [mm]	f [mm]	p [mm]
			min	max	UNI keyway and set-screw* [mm]								
14	40	24,5	8	14	11 - 14	23	30	4	6,5	37	50	M5	6
19	48	30	8	19	11 - 14 - 19	25	-	4	8,5	37	54	M5	6
24	52	35	11	24	14 - 19 - 22 - 24	26	50	4	7,5	41	56	M5	6
28	66	43	11	28	16 - 19 - 22 - 24 - 28	40	60	4	18,5	47	84	M8	10
32	76	50	14	32	22 - 24 - 28 - 32	40	60	4	17,5	48	84	M8	10
38	83	58	14	38	24 - 28 - 32 - 38	40	80	4	18	48	84	M8	10
42	92	65	14	42	25 - 28 - 32 - 38 - 42	42	110	4	18,5	51	88	M8	10
48	100	68	19	48	32 - 38 - 42 - 48	50	110	4	27	50	104	M8	10
65	142	96	19	65	38 - 42 - 48 - 55 - 60	70	140	4	35,5	73	144	M10	20
80	175	124	-	80	-	90	-	6	46,5	93	186	M10	20
100	210	152	36	100	-	110	-	8	63	102	228	M10	20
125	270	192	45	125	-	140	-	10	78	134	290	M10	20

* = Up to size 24, set-screw is 180° from keyway; from size 28 set-screw is set onto the keyway.
Keyway according to DIN 6885 sheet 1 - JS9

Order form

Hub	GDM	48	F32
GDM: SITEX® hub			
Size			
L: long hub execution F...: bore diameter			



Manicotto	AD	48
AD: SITEX® sleeve		
Size		

Standard couplings

Long hub execution

