

# Installation/dismantling

## Companion flanges

In general, driveshafts are connected to the driven units by companion flanges.

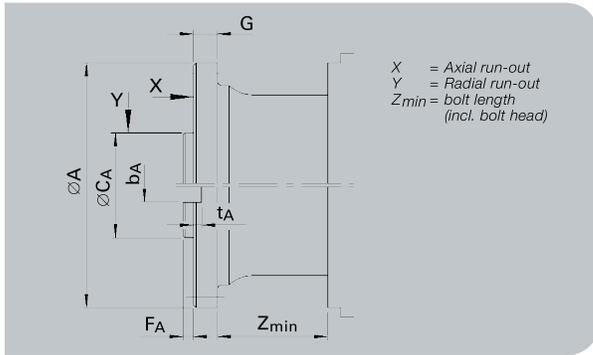
The accurate running of a driveshaft requires certain tolerances for the axial and radial run-out (see tables).

The dimensions of the companion flanges correspond with those of the same size of driveshafts, except for the centring depth  $F_A$  and the fit  $C_A$ , the depth of the keyway  $t_A$  and the width  $b_A$ . They can be taken from the following tables.

For better bolt locking we recommend designing the relief of the companion flange as a bolt head surface and inserting the bolt

from the companion flange side. In this case the distance  $Z_{min}$  must be met between the flange and the adjacent housing.

If it is not possible to insert the bolts from the companion flange side, we recommend the use of stud bolts.



## Series 587

Shaft size		587.50		587.55		587.60
A	mm	225	250	250	285	285
$F_A$	mm	4-0,2	5-0,2	5-0,2	6-0,5	6-0,5
G	mm	15	18	18	20	20
X and Y	mm	0,05	0,06	0,06	0,06	0,06
$C_A$ h6	mm	140	140	140	175	175

## Series 687/688

Shaft size		687/688.15	687/688.20	687/688.25	687/688.30		687/688.35	
A	mm	100	120	120	120	150	150	180
$F_A$	mm	2,3-0,2	2,3-0,2	2,3-0,2	2,3-0,2	2,3-0,2	2,3-0,2	2,3-0,2
G	mm	7	8	8	8	10	10	12
X and Y	mm	0,05	0,05	0,05	0,05	0,05	0,05	0,05
$C_A$ h6	mm	57	75	75	75	90	90	110

Shaft size		687/688.40		687/688.45		687/688.55		687/688.65	
A	mm	150	180	180	225	180	225	180	225
$F_A$	mm	2,3-0,2	2,3-0,2	2,3-0,2	4-0,2	2,3-0,2	4-0,2	2,3-0,2	4-0,2
G	mm	10	12	12	15	14	15	15	15
X and Y	mm	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05
$C_A$ h6	mm	90	110	110	140	110	140	110	140



# Installation/dismantling

## Series 390

Shaft size		390.60	390.65	390.70	390.75	390.80
A	mm	285	315	350	390	435
F <sub>A</sub>	mm	6-0,5	6-0,5	7-0,5	7-0,5	9-0,5
G	mm	20	22	25	28	32
X and Y	mm	0,06	0,06	0,06	0,06	0,06
C <sub>A</sub> h6	mm	175	175	220	250	280

## Series 587/190 Super short designs

Shaft size		587.50	190.55	190.60	190.65	190.70
A	mm	275	305	348	360	405
F <sub>A</sub>	mm	4-0,2	5-0,3	6-0,5	6-0,5	7-0,5
G	mm	15	15	18	18	22
X and Y	mm	0,06	0,06	0,06	0,06	0,06
C <sub>A</sub> h6	mm	140	140	175	175	220

## Series 392/393

Shaft size		392.50	392.55	392.60	392.65	392.70	393.75	393.80	393.85	393.90
A	mm	225	250	285	315	350	390	435	480	550
F <sub>A</sub>	mm	4-0,5	5-0,5	6-0,5	7-0,5	7-0,5	7-0,5	9-0,5	11-0,5	11-0,5
G	mm	20	25	27	32	35	40	42	47	50
X and Y	mm	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06
C <sub>A</sub> f8	mm	105	105	125	130	155	170	190	205	250
b <sub>A</sub> K8	mm	32	40	40	40	50	70	80	90	100
t <sub>A</sub> + 0,2 mm		9	12,5	15	15	16	18	20	22,5	22,5

