

Flat Flange Joints

Flat flange Joints

Can be used at high temperatures without risk of seizure. The mating surfaces of the flanges are fine ground.

	Nom. bore mm	Min. shank length mm	Max. shank o.d. mm	Flange o.d. mm	Min. wall thickness mm
QFG50	50	110	57.0	85	2.2
QFG75	75	110	86.8	120	4.4
QFG100	100	110	116.0	150	4.0

Clips for flat flange joints

To fit joints with bore diameters as indicated. Supplied singly.

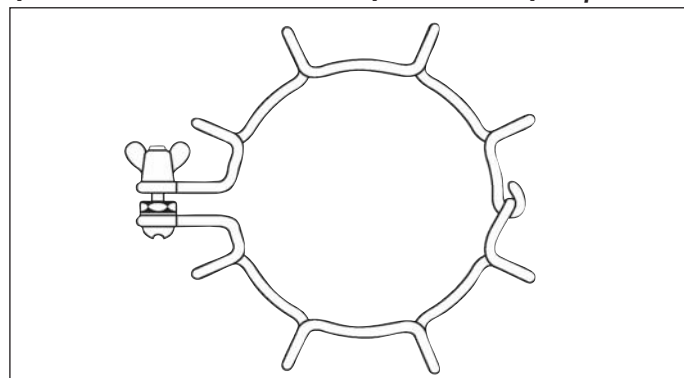
	For joint bore, mm
QJC29	10
QJC41	25
QJC51	35
QJC75F	75
QJC100F	100



QFG



QFG fitted with QJC clip



QJC:F

Spherical Joints

Spherical, ball and cup

Spherical joints are intended to give flexibility to complicated assemblies of glassware and facilitate erection of such glassware. In vacuum systems, they relieve stress which may otherwise cause leakage at joints.

	Joint size	Min. shank length mm	Max. shank o.d. mm	Approx. bore mm	Spherical dia. mm
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Ball joint (male), unbadged

QMS13UB	S13	100	8.3	5	12.700
QMS19UB	S19	100	13.0	9	19.050
QMS29UB	S29	100	20.5	15	28.575
QMS35UB	S35	100	24.5	19	34.925

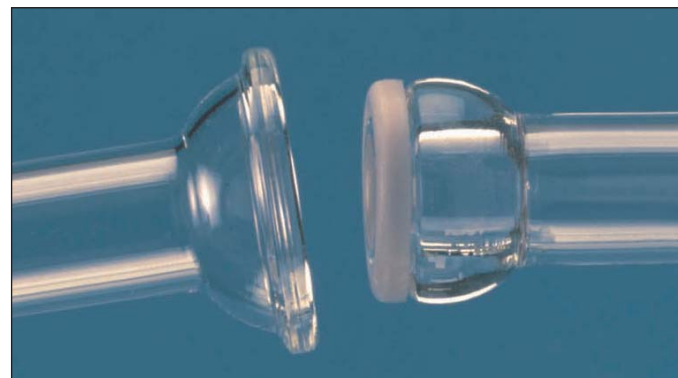
Cup joint (female), unbadged

QFS13UB	S13	100	8.3	5	12.700
QFS19UB	S19	100	13.0	9	19.050
QFS29UB	S29	100	20.5	15	28.575
QFS35UB	S35	100	24.5	19	34.925
QFS41UB	S41	100	32.8	27	41.275

Clips for spherical joints

To fit joint sizes as indicated. Supplied singly.

	For joint size
QJC13	S13
QJC19	S19
QJC29	S29
QJC35	S35
QJC41	S41
QJC51	S51



QMS

QFS