



## Jerrycans, rigid HDPE



Azlon

- Lightweight and robust
- Corrosion resistant
- Ideal for storage and transportation of liquid chemicals

Product Code	Capacity litres	Pack qty.
JGH140	1	1
JGH148	5	1
JGH150	10	1
JGH154	25	1



## Joints, cones, unbadged



- Unbadged ground glass cones free from any ceramic markings
- Avoids the problem of the badge charring at high temperatures which can give an untidy appearance
- Manufactured to an accuracy which surpasses the requirements of ISO 383
- Pyrex® borosilicate glass for resistance to chemical corrosion and thermal shock
- Cones manufactured with a shank length of 100mm

Product Code	Cone size	Max. O.D. of shank mm	Min. bore mm	Min. wall thickness mm	Pack qty.
CNB7UB	7/16	6.0	2.5	1.50	10
CNB10UB	10/19	9.0	5.0	1.00	10
CNB12UB	12/21	11.4	6.5	1.50	10
CNB14UB	14/23	14.0	8.5	1.50	10
CNB19UB	19/26	18.0	12.0	1.80	10
CNB24UB	24/29	23.0	16.5	1.80	10
CNB29UB	29/32	28.0	21.0	2.00	10
CNB34UB	34/35	33.5	26.0	2.00	10
CNB40UB	40/38	38.8	31.0	2.00	5
CNB45UB	45/40	43.0	35.2	2.30	5
CNB50UB	50/42	49.0	41.8	2.30	5
CNB55UB	55/44	53.0	45.4	2.50	5
CNB60UB	60/46	57.0	47.2	3.50	5



CNB55UB is supplementary to the ISO range.



## Joins, cones, drip end, unbadged



- Single Quickfit® cones with angled drip end
- Ideal for Glassblowers fabricating apparatus where liquid needs to be directed away from the joint
  - condensers, fractionating columns, still heads, etc.
- Manufactured to an accuracy which surpasses the requirements of ISO 383
- Drip end cones manufactured with a shank length of 90mm

Product Code	Cone size	Max. O.D. of shank mm	Min. bore mm	Min. wall thickness mm	Pack qty.
CAB10	10/19	8.0	5.0	1.00	10
CAB14	14/23	13.0	6.0	1.50	10
CAB19	19/26	18.0	9.0	1.80	10
CAB24	24/29	22.5	13.0	2.00	10
CAB29	29/32	28.0	18.0	2.00	10
CAB34	34/35	32.0	21.0	2.00	10



## Joins, cones, long tip, unbadged



- Single Quickfit® cones with long tip allowing cone to be joined to glass tubing
- Useful for construction of stirrer guides etc.
- Unbadged and free from ceramic markings - avoids the problem of the badge charring at high temperatures which can give an untidy appearance
- Long tip cones manufactured with a minimum shank length of 90mm

Product Code	Cone size	Max. O.D. of shank mm	Min. bore mm	Min. wall thickness mm	Pack qty.
CBB7UB	7/16	6.0	2.0	1.50	10
CBB10UB	10/19	8.0	3.0	1.00	10
CBB14UB	14/23	13.0	6.0	1.50	10
CBB19UB	19/26	18.0	8.0	1.80	10
CBB24UB	24/29	22.5	14.0	2.00	10
CBB29UB	29/32	28.0	19.0	2.00	10
CBB34UB	34/35	32.0	22.0	2.00	10
CBB40UB	40/38	38.0	27.0	2.00	10
CBB45UB	45/40	42.0	31.0	2.30	10
CBB55UB	55/44	52.0	40.0	2.50	10





## Joints, cone with stem



- Single Quickfit® cone with stem and reduced shank
- Useful for construction of gas-inlet tubes etc.
- Stem length 150mm

Product Code	Cone size	Min. shank length mm	Max. O.D. of shank mm	Min. bore mm	Min. wall thickness mm	Pack qty.
MF15/1	14/23	45	7.4	4.4	0.9	1
MF15/2	19/26	60	10.4	6.2	1.3	1
MF15/3	24/29	70	10.4	6.0	1.3	1



## Joints, sockets, unbadged



- Unbadged ground glass sockets
  - Free from any ceramic markings, avoids the problem of the badge charring at high temperatures which can give an untidy appearance
- High quality joints manufactured to an accuracy which surpasses the requirements of ISO 383
- Accurate taper and fine surface finish reduce possibility of joint 'seizure' or leakage
- With round profile bead on top of socket for extra mechanical strength
- Sockets manufactured with a minimum shank length of 100mm

Product Code	Socket size	Max. O.D. of shank mm	Min. bore mm	Min. wall thickness mm	Pack qty.
SRB7UB	7/16	11.4	5.5	1.50	10
SRB10UB	10/19	14.0	8.0	1.50	10
SRB12UB	12/21	16.4	10.0	1.80	10
SRB14UB	14/23	18.4	12.0	1.80	10
SRB19UB	19/26	23.0	16.0	2.00	10
SRB24UB	24/29	28.5	21.0	2.00	10
SRB29UB	29/32	33.5	26.0	2.00	10
SRB34UB	34/35	41.0	31.0	2.00	10
SRB40UB	40/38	46.0	36.0	2.30	5
SRB45UB	45/40	53.0	41.0	2.50	5
SRB50UB	50/42	57.0	45.5	2.50	5
SRB55UB	55/44	66.5	50.0	3.20	5
SRB60UB	60/46	71.5	55.0	3.20	1



## Joins, sleeves, PTFE, tapered



- For grease free and high vacuum seals using Quickfit® ground glass joints
- Strong construction with knurled shoulder for ease of handling and repeated use
- Self-lubricating and non contaminating
- Working temperature range -100°C to +260°C
- Working vacuum  $\leq 10^{-3}$  atmospheres
- Highly resistant to chemical attack
- Forms a liquid and gas tight seal



Product Code	Joint size	Pack qty.
SWN802	10/19	1
SWN804	14/23	1
SWN806	19/26	1
SWN808	24/29	1
SWN810	29/32	1
SWN812	34/35	1

## Joins, sleeves, PTFE



- Truncated cone of pure PTFE
- Allows easy separation of joints
- Excellent resistance to chemical attack
- Working temperature range of -100°C to +250°C
- Forms a gas tight seal
- No contamination from joint grease
- Intended for single or occasional use
- Suitable for low vacuum work



Product Code	Joint size	Pack qty.
SWN961	14/23	10
SWN962	19/26	10
SWN963	24/29	10
SWN964	29/32	10
SWN965	34/35	10
SWN966	40/38	10
SWN968	50/42	10
SWN969	55/44	10



Joint clips are intended to complement traditional clamping methods. Whilst they can considerably reduce the need for clamping, they should not be solely relied on to support heavy or large apparatus.

## Joint clips (PTFE), conical joints



- For retaining glassware having Quickfit® conical joints
- Manufactured from PTFE with encapsulated steel spring to provide a firm grip
- Highly resistant to chemical attack
- Can be used at temperatures up to 250°C
- Clips are numbered with joint size for easy identification

Product Code	Joint size	Pack qty.
GC10	10/19	5
GC12	12/21	5
GC14	14/23	5
GC19	19/26	5
GC24	24/29	5
GC29	29/32	5
GC34	34/35	5
GC40	40/38	5
GC45	45/40	5



Whilst joint clips can considerably reduce the need for traditional clamping, they should not be solely relied on to support heavy or large apparatus.



These clips should not be exposed to halogen gases or acids which can rapidly attack polyacetal. For such applications, the use of Quickfit® PTFE joint clips should be considered.

## Joint clips (Polyacetal), conical joints



- For retaining glassware having Quickfit® conical joints
- Manufactured from polyacetal
- Can considerably reduce the need for clamping
- Easy to fit and remove
- Can be used at temperatures up to 80°C
- Clips are colour coded for easy identification

Product Code	Joint size	Colour code	Pack qty.
KC10	10/19	Mint	10
KC12	12/21	Violet	10
KC14	14/23	Yellow	10
KC19	19/26	Blue	10
KC24	24/29	Green	10
KC29	29/32	Red	10
KC34	34/35	Orange	10
KC40	40/38	Ochre	10
KC45	45/40	Brown	10



## Joints, flat flange



- Highest quality flat flange joints
- Precision ground for leak-free performance
- Choice of sizes up to 100mm bore

Product Code	Nom. bore mm	Min. shank length mm	Max. O.D. of shank mm	Outside diam. flange mm	Min. wall thickness mm	Pack qty.
FG25	25	110	30.8	55	1.8	2
FG50	50	110	57.0	85	2.2	2
FG75	75	110	86.8	120	4.4	2
FG100	100	110	116.0	150	4.0	1



JC:

## Joint clips (metal)



- For retaining glassware having Quickfit® flat flange joints
- Metal construction available in 2 versions:
  - JC: clips with 'fork' type design and corrosion-resistant nickel finish. Each clip is spring loaded to ensure a positive pressure is applied to both surfaces of the joint. Suitable for joint size FG25
  - JC:F clips with 'spring wire' design in stainless steel. Suitable for joint sizes FG50, FG75 and FG100

Product Code	To fit joint size	Pack qty.
JC41	FG25	2
JC50F	FG50	1
JC75F	FG75	1
JC100F	FG100	1



JC:F



## PTFE Seals



- For use with Quickfit® flat flange jointed glassware
- Manufactured from PTFE for excellent chemical resistance
- Forms tight seal with flat flange joints

Product Code	Flange bore mm	Thickness (mm)	Pack qty.
PS75	75	0.5	1
PS100	100	0.5	1



## Joins, spherical, male, ball joint, unbadged



- For the Glassblower who demands the highest quality joint
- Manufactured to an accuracy which surpasses the requirements of ISO 641
- Intended for use with female spherical cup joints FS:
- Spherical joints are manufactured with an approximate shank length of 100mm

Product Code	Joint size	Max. O.D. of shank mm	Wall thickness mm	Pack qty.
MS13UB	S13	8.0	1.5	10
MS19UB	S19	12.0	1.5	10
MS29UB	S29	19.0	2.5	10
MS35UB	S35	24.0	2.5	1
MS41UB	S41	28.0	2.8	1





## Joints, spherical, female, cup joint, unbadged



- Female cup joints precision manufactured to the highest standards
- For use with male ball joints MS:
- Spherical joints are manufactured with an approximate shank length of 100mm

Product Code	Joint size	Max. O.D. of shank mm	Wall thickness mm	Pack qty.
FS13UB	S13	8.0	1.5	10
FS19UB	S19	12.0	1.5	10
FS29UB	S29	19.0	2.5	10
FS35UB	S35	24.0	2.5	1
FS41UB	S41	28.0	2.8	1



## Joint clips (metal), spherical joints



- For retaining glassware having Quickfit® spherical joints
- Metal construction with corrosion-resistant nickel finish
- Suitable for high temperature work
- Spring loaded to ensure a positive pressure is applied to both surfaces of the joint

Product Code	To fit spherical joint size	Pack qty.
JC13	S13	5
JC19	S19	5
JC29	S29	5
JC35	S35	2
JC41	S41	2
JC51	S51	2



## Joint clips (Polyacetal), spherical joints



- For retaining glassware having Quickfit® spherical joints
- Manufactured from polyacetal
- Can considerably reduce the need for clamping
- Easy to fit and remove
- Can be used at temperatures up to 80°C
- Clips are colour coded for easy identification



Product Code	To fit joint size	Colour code	Pack qty.
KS13	S13	Violet	5
KS19	S19	Dark Blue	5
KS29	S29	Dark Red	5
KS35	S35	Light Orange	5



Whilst joint clips can considerably reduce the need for traditional clamping, they should not be solely relied on to support heavy or large apparatus.



These clips should not be exposed to halogen gases and acids which can rapidly attack polyacetal. For such applications, the use of Quickfit® PTFE joint clips should be considered.

## CUSTOM GLASSWARE MANUFACTURE

- Free quotation without obligation
- Highest quality guaranteed
- All enquiries welcome

Tel: +44 (0)1785 812121  
 Fax: +44 (0)1785 815066  
 Email: [customglass@scilabware.com](mailto:customglass@scilabware.com)





## Joints, spherical, male/female glass joints

**ROTULEX®**



- Offers a 'grease-free' spherical joint
- All glass and PTFE pathway is highly resistant to chemical attack
- Can be used at temperatures up to 200°C
- System comprises male ball joint with PTFE covered 'O' ring which fits into a female cup joint
- Joint can be retained together with spring loaded metal clip

Product Code	Joint size	Max O.D. of shank mm	Approx bore mm	Pack qty.
RM13	13	8	5	5
RM19	19	12	9	5
RM29	29	18	15	5
RM35	35	24	20	5
RM41	41	28	25	5
RM64	64	45	40	5
RF13	13	8	5	5
RF19	19	12	9	5
RF29	29	18	15	5
RF35	35	24	20	5
RF41	41	28	25	5
RF64	64	45	40	5

## Joints, spherical, PTFE 'O' ring

Product Code	Description	Pack qty.
RO13	'O' ring to fit RM:RF13	1
RO19	'O' ring to fit RM:RF19	1
RO29	'O' ring to fit RM:RF29	1
RO35	'O' ring to fit RM:RF35	1
RO41	'O' ring to fit RM:RF41	1
RO64	'O' ring to fit RM:RF64	1

## Joints, spherical, Viton, 'O' ring

Product Code	Description	Pack qty.
690-12	'O' ring to fit RM:RF13	10
690-13	'O' ring to fit RM:RF19	10
690-14	'O' ring to fit RM:RF29	10
690-15	'O' ring to fit RM:RF35	10
690-16	'O' ring to fit RM:RF41	10
690-18	'O' ring to fit RM:RF64	10

**i** Minimum shank length of joint is 150mm. Component parts RM:, RF:, RO:, RC: and 690: should be ordered separately.



## Joins, spherical, metal clip

**ROTULEX®**

Product Code	Description	Pack qty.
RC13	Metal clip to fit RM:RF13	1
RC19	Metal clip to fit RM:RF19	1
RC29	Metal clip to fit RM:RF29	1
RC35	Metal clip to fit RM:RF35	1
RC41	Metal clip to fit RM:RF41	1
RC64	Metal clip to fit RM:RF64	1



**i** Clip RC64 has 3 equidistant fasteners to provide uniform clamping.

## Joins, screwthread, unbadged



- For use by Glassblowers in the construction of laboratory glassware
- Borosilicate glass for highest resistance to thermal shock and chemical corrosion
- Designed for use with the range of plastic screwcaps silicone rubber rings and PTFE washers

Product Code	Thread size	Min. shank length mm	Outside diam. shank mm	Min. bore mm	Pack qty.
SQ13UB	13	135	11.1	7.5	10
SQ18UB	18	145	15.4	10.5	10
SQ24UB	24	125	22.5	15.5	10
SQ28UB	28	90	24.5	19.7	10



**i** Unbadged screwthread joints are free from any ceramic inscriptions thus avoiding the aesthetic problem of 'charring' when the badge is subjected to direct heat. SQ13UB screwthread is compatible with 4510/02 and 4510/04 screwthread connectors featured on page 96.



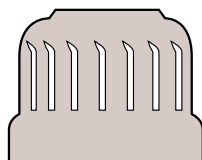
## Joins, screwthread fittings, caps, rings & washers



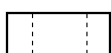
- For use with Quickfit® glass screwthreads
- Melamine screwcaps with aperture at the top
- Silicone rubber rings with PTFE washers
- To determine what components are required:
  - Check the size of the glass screwthread (size designation refers to O.D. of thread in mm)
  - Check the O.D. of the sampling tube, thermometer, probe etc that is to be passed through the screwcap
  - Consult the table below remembering to order relevant cap, washer and ring separately

### Plastic caps

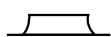
Product Code	Thread size	Acceptable dia. through screwcap mm	Pack qty.
QC13/7	13	6.0 - 7.0	10
QC18/11	18	7.0 - 8.5	10
QC24/12	24	6.0 - 7.0	10
QC28/9	28	6.0 - 7.0	10
QC28/13	28	10.5 - 11.5	10
QC28/21	28	18.0 - 19.0	10



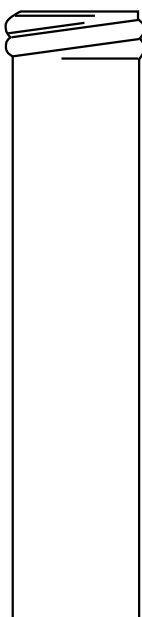
QC:



QR:



QW:



SQ:

### Silicone rubber rings

Product Code	Thread size	Acceptable dia. through screwcap mm	Pack qty.
QR13/6	13	6.0-7.0	10
QR18/7	18	7.0-8.5	10
QR24/6	24	6.0-7.0	10
QR24/9	24	8.5-9.5	10
QR24/11	24	10.5-11.5	10
QR28/6	28	6.0-7.0	10
QR28/11	28	10.5-11.5	10
QR28/18	28	18.0-19.0	10

### PTFE washers

Product Code	Thread size	Acceptable dia. through screwcap mm	Pack qty.
QW13/6	13	6.0-7.0	10
QW18/7	18	7.0-8.5	10
QW24/6	24	6.0-7.0	10
QW24/9	24	8.5-9.5	10
QW24/11	24	10.5-11.5	10
QW28/6	28	6.0-7.0	10
QW28/11	28	10.5-11.5	10
QW28/18	28	18.0-19.0	10