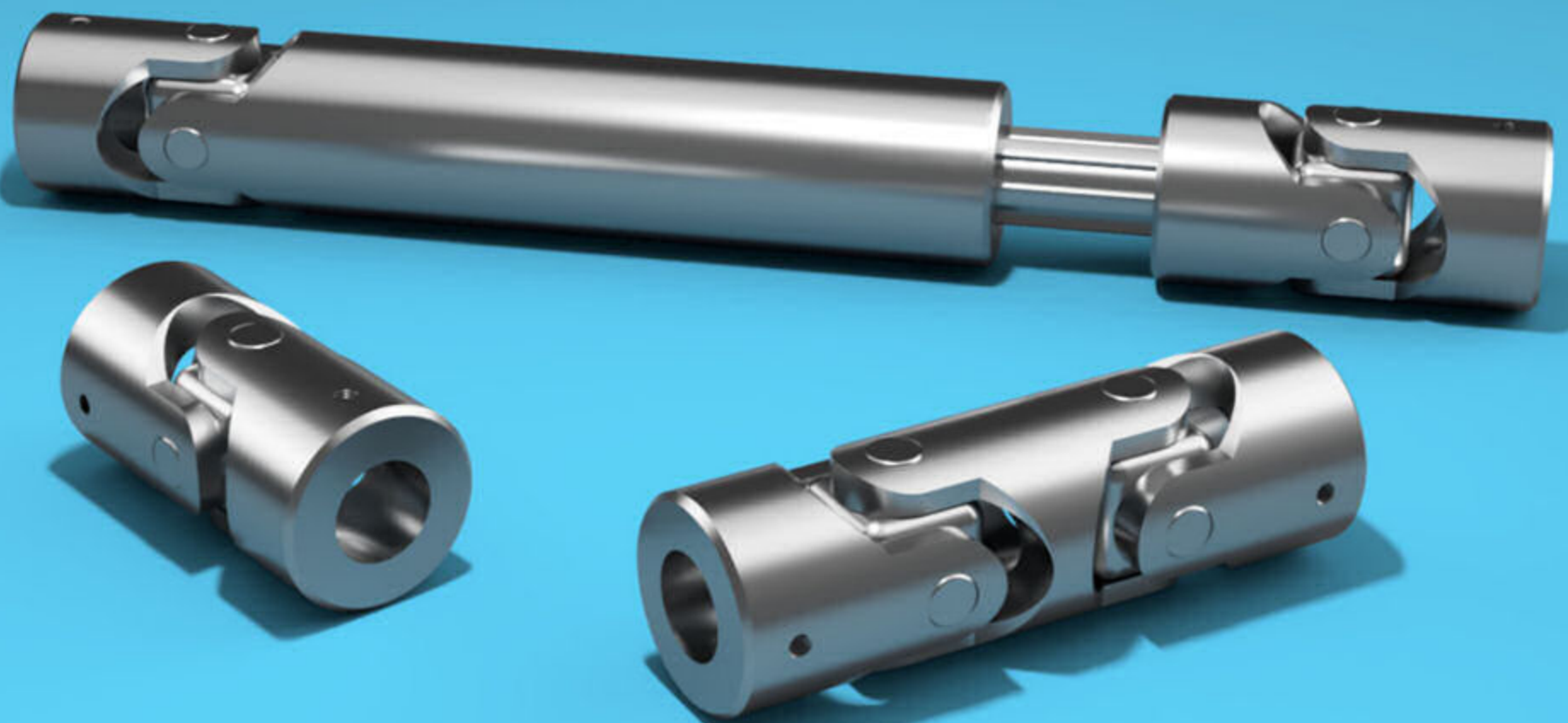


# Universal Joints



**ABSSAC**

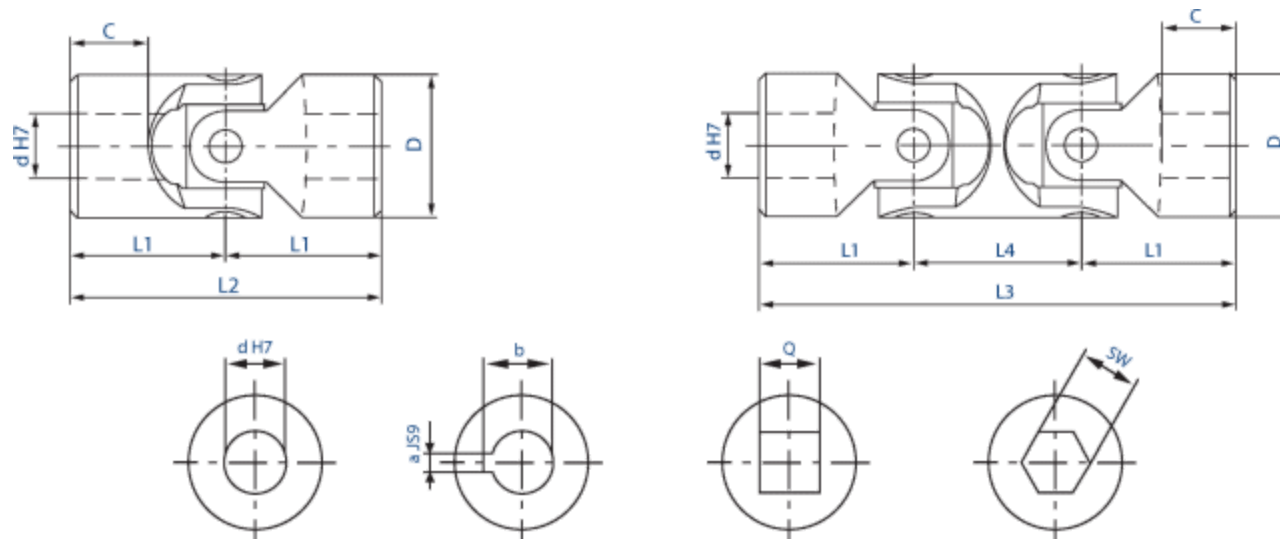
PRECISION MOTION SINCE 1982



# Universal joints with plain bearing

## Specifications:

- Suitable up to a maximum speed of 1000 (1/min)
- Maximum articulation angle 45° for each joint
- Type G; single joint
- Type GD; double joint
- G to DIN 808, GB to DIN 808/7551
- Available with finish bore H7. On request with keyway, square bore or hexacon bore.



## Universal joints with plain bearing to DIN 808

Type		Dimensions											Weight (kg)	
Single	Double	d (H7)	D	L1	L2	L3	L4	C	a (JS9)	b	Q (H8)	SW (H8)	G	GD
01G	01GD	6	16	17	34	56	22	8	2	7,0	6	6	0,05	0,08
02G	02GD	8	16	20	40	62	22	11	2	9,0	8	8	0,05	0,08
03G	03GD	10	22	24	48	74	26	12	3	11,4	10	10	0,1	0,15
04G	04GD	12	25	28	56	86	30	13	4	13,8	12	12	0,16	0,25
05G	05GD	14	28	30	60	96	36	14	5	16,3	14	14	0,2	0,4
1G	1GD	16	32	34	68	104	36	16	5	18,3	16	16	0,3	0,45
2G	2GD	18	36	37	74	114	40	17	6	20,8	18	18	0,45	0,7
3G	3GD	20	42	41	82	128	46	18	6	22,8	20	20	0,6	1
4G	4GD	22	45	47,5	95	145	50	22	6	24,8	22	22	0,95	1,55
5G	5GD	25	50	54	108	163	55	26	8	28,3	25	25	1,2	2
6G	6GD	30	58	61	122	190	68	29	8	33,3	30	30	1,85	2,9
6G1	6GD1	32	58	65	130	198	68	33	10	35,3	30	30	2	3
7G	7GD	35	70	70	140	212	72	35	10	38,3	-	-	3,15	4,75
8G	8GD	40	80	80	160	245	85	39	12	43,3	-	-	4,6	7,2
9G	9GD	50	95	95	190	290	100	46	14	53,8	-	-	7,6	12

## Universal joints with plain bearing to DIN 808/7551

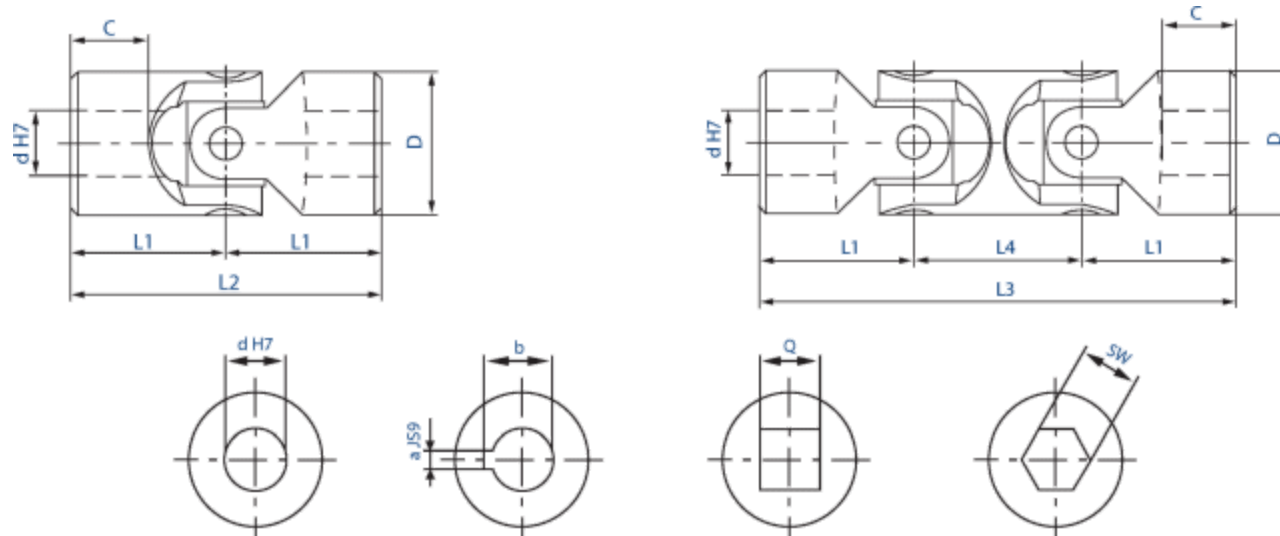
Type		Dimensions											Weight (kg)	
Single	Double	d (H7)	D	L1	L2	L3	L4	C	a (JS9)	b	Q (H8)	SW (H8)	GB	GBD
03GB	03GBD	10	16	26	52	74	22	15	3	11,4	8	8	0,05	0,08
04GB	04GBD	12	22	31	62	88	26	18	4	13,8	10	10	0,12	0,2
1GB	1GBD	16	25	37	74	104	30	21	5	18,3	12	12	0,2	0,3
3GB	3GBD	20	32	43	86	124	38	24	6	22,8	16	16	0,35	0,5
5GB	5GBD	25	42	54	108	156	48	31	8	28,3	20	20	0,8	1,2
6GB	6GBD	30	50	66	132	188	56	38	8	33,3	25	25	1,2	1,7
8GB	8GBD	40	70	83	166	238	72	47	12	43,3	-	-	2,9	4,3



# Universal joints with needle bearing

## Specifications:

- Suitable up to a maximum speed of 4000 (1/min)
- Maximum articulation angle 45° for each joint
- Type H; single joint
- Type HD; double joint
- H to DIN 808, HB to DIN 808/7551
- Available with finish bore H7. On request with keyway, square bore or hexacon bore.



## Universal joints with needle bearing to DIN 808

Type		Dimensions											Weight (kg)	
Single	Double	d (H7)	D	L1	L2	L3	L4	C	a (JS9)	b	Q (H8)	SW (H8)	H	HD
03H	03HD	10	22	24	48	74	26	12	3	11,4	10	10	0,1	0,15
04H	04HD	12	25	28	56	86	30	13	4	13,8	12	12	0,16	0,25
05H	05HD	14	28	30	60	96	36	14	5	16,3	14	14	0,2	0,4
1H	1HD	16	32	34	68	104	36	16	5	18,3	16	16	0,3	0,45
2H	2HD	18	36	37	74	114	40	17	6	20,8	18	18	0,45	0,7
3H	3HD	20	42	41	82	128	46	18	6	22,8	20	20	0,6	1
4H	4HD	22	45	47,5	95	145	50	22	6	24,8	22	22	0,95	1,55
5H	5HD	25	50	54	108	163	55	26	8	28,3	25	25	1,2	2
6H	6HD	30	58	61	122	190	68	29	8	33,3	30	30	1,85	2,9
6H1	6HD1	32	58	65	130	198	68	33	10	35,3	30	30	2	3
7H	7HD	35	70	70	140	212	72	35	10	38,3	-	-	3,15	4,75
8H	8HD	40	80	80	160	245	85	39	12	43,3	-	-	4,6	7,2
9H	9HD	50	95	95	190	290	100	46	14	53,8	-	-	7,6	12

## Universal joints with needle bearing to 808/7551

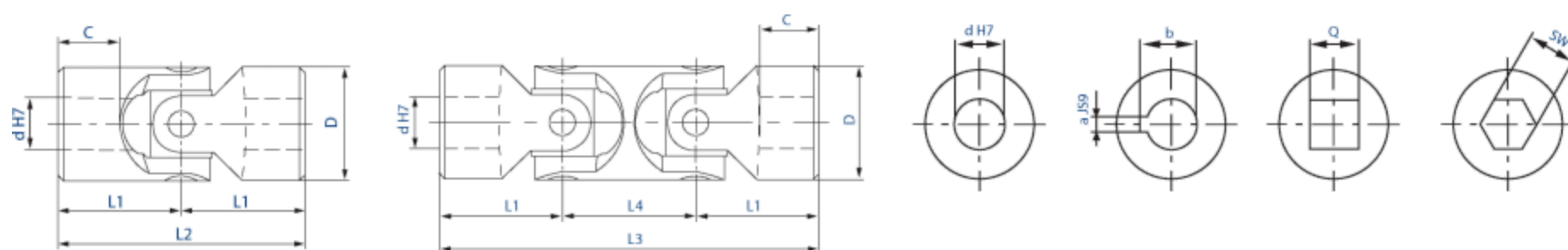
Type		Dimensions											Weight (kg)	
Single	Double	d (H7)	D	L1	L2	L3	L4	C	a (JS9)	b	Q (H8)	SW (H8)	HB	HBD
04HB	04HBD	12	22	31	62	88	26	18	4	13,8	10	10	0,12	0,2
1HB	1HBD	16	25	37	74	104	30	21	5	18,3	12	12	0,2	0,3
3HB	3HBD	20	32	43	86	124	38	24	6	22,8	16	16	0,35	0,5
5HB	5HBD	25	42	54	108	156	48	31	8	28,3	20	20	0,8	1,2
6HB	6HBD	30	50	66	132	188	56	38	8	33,3	25	25	1,2	1,7
8HB	8HBD	40	70	83	166	238	72	47	12	43,3	-	-	2,9	4,3



# Universal joints stainless steel

## Specifications:

- Material 1.4301 (AISI 304)
- Suitable up to a maximum speed of 300 (1/min)
- Maximum articulation angle 45° for each joint
- Type X; single universal joint
- Type XD; double universal joint
- According to DIN 808
- Available with finish bore H7. On request with keyway, square bore or hexacon bore.



## Stainless steel 1.4301 universal joints with plain bearing to DIN 808

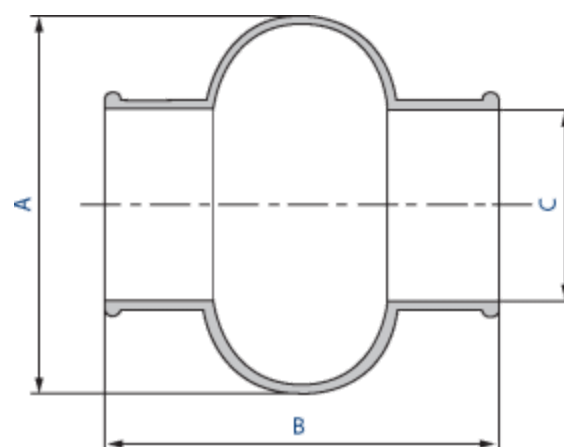
Type		Dimensions											Weight (kg)	
Single	Double	d (H7)	D	L1	L2	L3	L4	C	a (JS9)	b	Q (H8)	SW (H8)	X (kg)	XD (kg)
01X	01XD	6	16	17	34	56	22	8	2	7	6	6	0,05	0,08
02X	02XD	8	16	20	40	62	22	11	2	9	8	8	0,06	0,08
03X	03XD	10	22	24	48	74	26	12	3	11,4	10	10	0,11	0,15
04X	04XD	12	25	28	56	86	30	13	4	13,8	12	12	0,17	0,25
1X	1XD	16	32	34	68	104	36	16	5	18,3	16	16	0,32	0,45
3X	3XD	20	42	41	82	128	46	18	6	22,8	20	20	0,6	1
5X	5XD	25	50	54	108	163	55	26	8	28,3	25	25	1,35	2
6X	6XD	30	58	61	122	190	68	29	8	33,3	30	30	1,85	2,9

# Protection bellows

## Specifications:

- Neoprene rubber
- Resistant to acids, oils, greases, dust and moisture.

Type	A	B	C	Outer diameter universal joint
01M	28	34	15	16
02M	32	40	16,5	18
03M	40	45	20,5	22
04M	48	50	24,5	24/26
05M	52	56	27,5	28/29
1M	56	65	30,5	32
2M	66	72	35,5	36/37
3M	75	82	40	42
4M	84	95	45	45/47
5M	92	108	50	50/52
6M	100	122	56	58

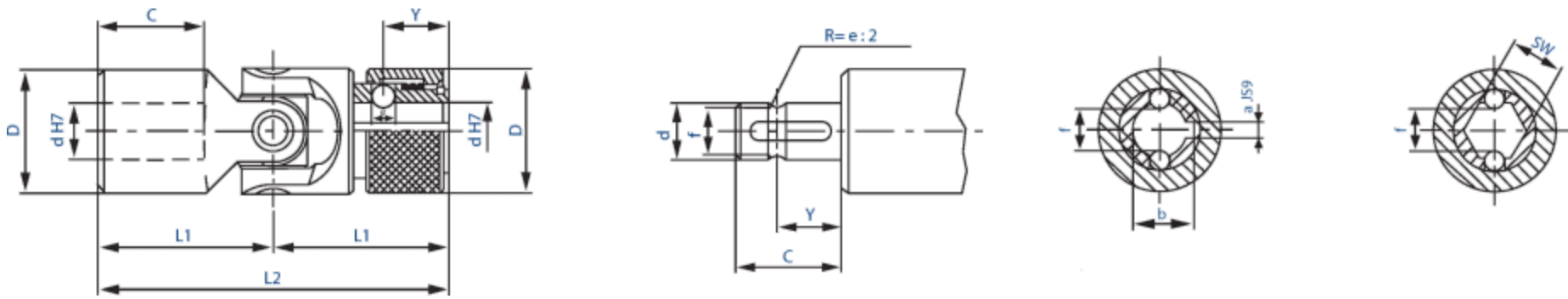




# Universal joints with quick release

## Specifications:

- Type GR; universal joints with plain bearing
- Type HR; universal joints with needle bearing
- Type GR; Suitable up to a max. speed of 1000 (1/min)
- Type HR; Suitable up to a max. speed of 4000 (1/min)
- Maximum articulation angle 45°
- According to DIN 808
- Available with finish bore H7 with keyway to DIN 6885-1 (JS9) or with square bore



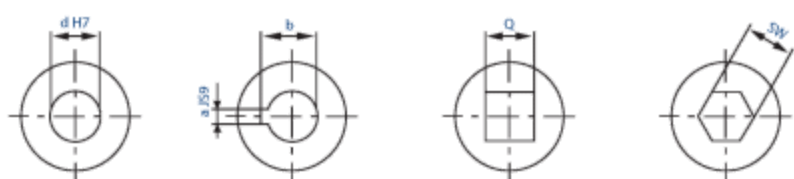
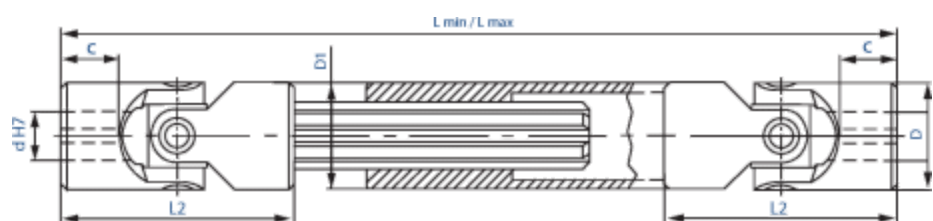
## Universal joints with quick release to DIN 808

Type		Dimensions										
Plain bearing	Needle bearing	d (H7)	D	L1	L2	C	Y	e	F	a (JS9)	b	SW (H8)
02GR	-	8	16	26	52	14	9,5	3,5	6,3	2	9	8
03GR	03HR	10	22	31	62	17	11,5	4,0	8,7	3	11	10
04GR	04HR	12	25	37	74	21	13,5	4,0	11,0	4	13,3	12
05GR	05HR	14	25	37	74	21	13,5	4,0	13,0	5	15,3	14
1GR	1HR	16	32	43	86	24	14	6,35	14,8	5	17,3	16
2GR	2HR	18	36	48	96	28	19	8,0	16,0	6	19,8	18
3GR	3HR	20	42	54	108	31	19	8,0	18,0	6	22,8	20
4GR	4HR	22	45	60	120	34	20,5	10,0	20,0	6	24,8	22
5GR	5HR	25	50	66	132	38	20,5	10,0	23,0	8	28,3	25
6GR	6HR	30	58	83	166	49	25	10,0	28,0	8	33,3	30

# Extendable joints with plain bearing

## Specifications:

- Suitable up to a maximum speed of 1000 (1/min)
- Maximum articulation angle 45° for each joint
- Available with H7 finish bore with keyway.
- On request with round bores, square bore, hexacon bore quick release



## Standard lengths

Type	Dimensions L min. / L max.									
<b>03</b>	140	160	180	230						
	170	200	240	330						
<b>04</b>	160	180	200	220	250	280	300			
	190	225	270	300	355	420	450			
<b>05</b>	170	180	200	220	250	280	300	350	400	
	200	220	260	300	350	420	450	550	650	
<b>1</b>	190	210	240	250	275	300	380	400		
	210	250	320	350	390	430	590	630		
<b>2</b>	230	250	270	290	300	400	500			
	280	320	370	400	415	620	820			
<b>3</b>	250	270	290	320	380	420	500			
	300	340	380	440	560	640	800			
<b>4</b>	250	270	290	330	350	470				
	280	320	350	430	470	710				
<b>5</b>	295	310	350	380	420	460	500			
	345	375	450	500	590	660	745			
<b>6</b>	330	350	370	400	450	500	540			
	380	420	455	510	620	720	795			

## Extendable joints with plain bearing to DIN 808

Type	d (H7)	D	L2	C	L min. / L max.	B	a (JS9)	b	Q (H8)	SW (H8)	Spline	D1
<b>01GA</b>	6	16	34	8	< - >	25	2	7	6	6	SW8	16
<b>02GA</b>	8	16	40	11	< - >	25	2	9	8	8	SW8	16
<b>03GA</b>	10	22	48	12	< - >	30	3	11,4	10	10	11 x 14 Z6	22
<b>04GA</b>	12	25	56	13	< - >	40	4	13,8	12	12	13 x 16 Z6	26
<b>05GA</b>	14	28	60	14	< - >	40	5	16,3	14	14	13 x 16 Z6	29
<b>1GA</b>	16	32	68	16	< - >	40	5	18,3	16	16	16 x 20 Z6	32
<b>2GA</b>	18	36	74	17	< - >	40	6	20,8	18	18	18 x 22 Z6	37
<b>3GA</b>	20	42	82	18	< - >	45	6	22,8	20	20	21 x 25 Z6	42
<b>4GA</b>	22	45	95	22	< - >	45	6	24,8	22	22	23 x 28 Z6	47
<b>5GA</b>	25	50	108	26	< - >	45	8	28,3	25	25	26 x 32 Z6	52
<b>6GA</b>	30	58	122	29	< - >	50	8	33,3	30	30	32 x 38 Z8	58
<b>7GA</b>	35	70	140	35	< - >	70	10	38,3	**	**	36 x 42 Z8	70
<b>8GA</b>	40	80	160	39	< - >	80	12	43,3	**	**	42 x 48 Z8	80
<b>9GA</b>	50	95	190	46	< - >	90	14	53,8	**	**	46 x 54 Z8	95

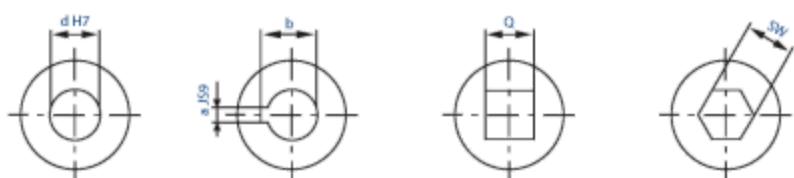
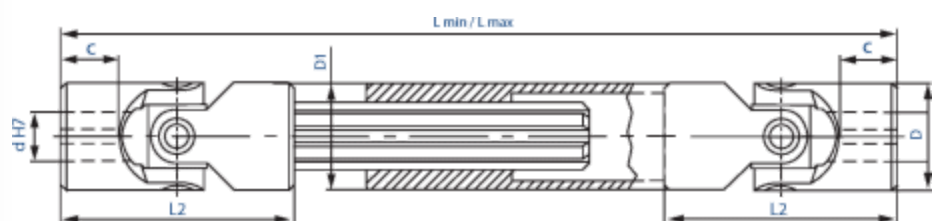
## Extendable joints with plain bearing to DIN 808/7551

Type	d (H7)	D	L2	C	L min. / L max.	B	a (JS9)	b	Q (H8)	SW (H8)	Spline	D1
<b>03GBA</b>	10	16	52	15	< - >	25	3	11,4	8	8	SW 8	16
<b>04GBA</b>	12	22	62	18	< - >	30	4	13,8	10	10	11 x 14 Z6	22
<b>1GBA</b>	16	25	74	21	< - >	40	5	18,3	12	12	13 x 16 Z6	26
<b>3GBA</b>	20	32	86	24	< - >	40	6	22,8	16	16	16 x 20 Z6	32
<b>5GBA</b>	25	42	108	31	< - >	45	8	28,3	20	20	21 x 25 Z6	42
<b>6GBA</b>	30	50	132	38	< - >	45	8	33,3	25	25	26 x 32 Z6	52
<b>8GBA</b>	40	70	166	47	< - >	70	12	43,3	**	**	36 x 42 Z8	70

# Extendable joints with needle bearing

## Specifications:

- Suitable up to a maximum speed of 4000 (1/min)
- Maximum articulation angle 45° for each joint
- Available with H7 finish bore with keyway.  
On request with round bores, square bore, hexacon bore quick release.



## Standard lengths

Type	Dimensions L min. / L max. .									
<b>03</b>	140	160	180	230						
	170	200	240	330						
<b>04</b>	160	180	200	220	250	280	300			
	190	225	270	300	355	420	450			
<b>05</b>	170	180	200	220	250	280	300	350	400	
	200	220	260	300	350	420	450	550	650	
<b>1</b>	190	210	240	250	275	300	380	400		
	210	250	320	350	390	430	590	630		
<b>2</b>	230	250	270	290	300	400	500			
	280	320	370	400	415	620	820			
<b>3</b>	250	270	290	320	380	420	500			
	300	340	380	440	560	640	800			
<b>4</b>	250	270	290	330	350	470				
	280	320	350	430	470	710				
<b>5</b>	295	310	350	380	420	460	500			
	345	375	450	500	590	660	745			
<b>6</b>	330	350	370	400	450	500	540			
	380	420	455	510	620	720	795			

## Extendable joints with needle bearing to DIN 808

Type	d (H7)	D	L2	C	L min. / L max.	B	a (JS9)	b	Q (H8)	SW (H8)	Spline	D1
<b>03HA</b>	10	22	48	12	< - >	30	3	11,4	10	10	11 x 14 Z6	22
<b>04HA</b>	12	25	56	13	< - >	40	4	13,8	12	12	13 x 16 Z6	26
<b>05HA</b>	14	28	60	14	< - >	40	5	16,3	14	14	13 x 16 Z6	29
<b>1HA</b>	16	32	68	16	< - >	40	5	18,3	16	16	16 x 20 Z6	32
<b>2HA</b>	18	36	74	17	< - >	40	6	20,8	18	18	18 x 22 Z6	37
<b>3HA</b>	20	42	82	18	< - >	45	6	22,8	20	20	21 x 25 Z6	42
<b>4HA</b>	22	45	95	22	< - >	45	6	24,8	22	22	23 x 28 Z6	47
<b>5HA</b>	25	50	108	26	< - >	45	8	28,3	25	25	26 x 32 Z6	52
<b>6HA</b>	30	58	122	29	< - >	50	8	33,3	30	30	32 x 38 Z8	58
<b>7HA</b>	35	70	140	35	< - >	70	10	38,3	**	**	36 x 42 Z8	70
<b>8HA</b>	40	80	160	39	< - >	80	12	43,3	**	**	42 x 48 Z8	80
<b>9HA</b>	50	95	190	46	< - >	90	14	53,8	**	**	46 x 54 Z8	95

## Extendable joints with needle bearing to DIN 808/7551

Type	d (H7)	D	L2	C	L min. / L max.	B	a (JS9)	b	Q (H8)	SW (H8)	Spline	D1
<b>04HBA</b>	12	22	62	18	< - >	30	4	13,8	10	10	11 x 14 Z6	22
<b>1HBA</b>	16	25	74	21	< - >	40	5	18,3	12	12	13 x 16 Z6	26
<b>3HBA</b>	20	32	86	24	< - >	40	6	22,8	16	16	16 x 20 Z6	32
<b>5HBA</b>	25	42	108	31	< - >	45	8	28,3	20	20	21 x 25 Z6	42
<b>6HBA</b>	30	50	132	38	< - >	45	8	33,3	25	25	26 x 32 Z6	52
<b>8HBA</b>	40	70	166	47	< - >	70	12	43,3	**	**	36 x 42 Z8	70



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# STANDARD CONDITIONS OF SALE

1. Interpretation
  - 1.1 In these Conditions:

"Buyer" means the person who accepts a quotation of the Seller for the sale of the Goods or whose order for the Goods is accepted by the Seller

"Goods" means the goods (including any instalment of the goods or any parts for them) which the Seller is to supply in accordance with these Conditions

"Seller" means ABSSAC LIMITED a company incorporated in England and whose registered number is 1677177.

"Conditions" means the standard terms and conditions of sale set out in this document and (unless the context otherwise requires) includes any special terms and conditions agreed in writing between the Buyer and the Seller

"Contract" means the Contract for the purchase and sale of the Goods

"Writing" includes telex, cable, facsimile transmission, E-Mail and comparable means of communication
  - 1.2 Any reference in these Conditions to any provision of a statute shall be construed as a reference to that provision as amended, re-enacted or extended at the relevant time
  - 1.3 The headings in these Conditions are for convenience only and shall not affect their interpretation
2. Basis of the sale
  - 2.1 Subject to Condition 3 below, the Seller shall sell and the Buyer shall purchase the Goods in accordance with any oral or written order of the Buyer which is accepted by the Seller, or any written quotation of the Seller which is accepted by the Buyer, subject to these Conditions which shall govern the Contract to the exclusion of any other terms and conditions subject to which any such quotation is accepted or purported to be accepted, or any such order is made or purported to be made, by the Buyer
  - 2.2 No variation, addition or waiver of any of these Conditions shall be effective unless it is in Writing and signed by a duly authorised representative of both the Seller and the Buyer
  - 2.3 The Seller's employees or agents are not authorised to make any representations concerning the Goods unless confirmed by the Seller in Writing. In entering into the Contract the Buyer acknowledges that it does not rely on any such representations which are not so confirmed
  - 2.4 Samples supplied and advice or recommendations as to storage, application or use of the Goods given by the Seller or its employees or agents to the Buyer or its employees or agents are for guidance only and any such matter which is not confirmed in Writing by the Seller is followed or acted upon entirely at the Buyer's own risk and accordingly the Seller shall not be liable for any such advice or recommendation which is not so confirmed then the Buyer should depend on their accuracy only after obtaining specific written confirmation to that effect from the Seller
  - 2.5 Any typographical, clerical or other error or omission in any sales literature, quotation, price list, acceptance of offer, invoice or other document or information issued by the Seller shall be subject to correction without any liability on the part of the Seller
3. Quotations and acceptance of orders
  - 3.1 Quotations issued by the Seller are invitations to order Goods from the Seller. No Contract will exist until the Seller has accepted the Buyer's order in accordance with condition 3.3.
  - 3.2 Subject to condition 3.1 the price in the quotation should be valid for a period of 30 days from the date of the quotation unless otherwise advised by the Seller in Writing
  - 3.3 The Seller shall not be bound by any order submitted by the Buyer unless and until confirmed by the Seller in Writing
  - 3.4 Scheduled call off purchase orders made by the Buyer with the Seller are for twelve month periods only, or until 19th December of that year, depending which comes first unless otherwise agreed in Writing by the Seller
  - 3.5 The Buyer is committed to purchasing any remaining amount of products on his purchase order if the Buyer decides to cancel the order mid schedule unless otherwise agreed in Writing by the Seller
- 3.6 No order which has been accepted by the Seller may be cancelled by the Buyer except with the agreement in Writing of the Seller on the terms that the Buyer shall indemnify the Seller in full against all loss (including loss of profit), costs (including the costs of all labour and materials used), damages, charges and expenses incurred by the Seller as a result of cancellation.
- 3.7 Compliance with United States Export Regulations

It is Absac's policy to request, if applicable, the end use and end user details in all sales and repairs of USA origin products and in all transfers of technical data or software to ensure compliance with applicable u.s. export control laws and regulations. Because the products you are purchasing may be used outside of the United States, we will need confirmation of the following from the (buyer). It is on the onus of the buyer to ensure that Absac is informed of the following information.

  - 1.1 (Buyer) will not export or re-export any USA origin products, technology or software to Cuba, Iran, Iraq, Libya, North Korea, Sudan, or Syria, unless otherwise authorized by the United States Government.
  - 2.1 (Buyer) will not sell, transfer, export or re-export any USA origin products for use in activities which involve the development, production, use or stockpiling of nuclear, chemical or biological weapons or missiles, nor use USA origin products in any facilities which are engaged in activities relating to such weapons.
  - 3.1 (Buyer) acknowledge that u.s. law prohibits the sale, transfer, export or re-export or other participation in any export transaction involving USA origin products with individuals or companies listed in the u.s. Commerce Department's Table of Denial Orders, the u.s. Treasury Department's list of Specially Designated Nationals or the u.s. Department of State's list of individuals debarred from receiving Munitions List items.
  - 4.1 (Buyer) will abide by all applicable u.s. export control laws and regulations for any products purchased from USA origin products, software or technology.
  - 5.1 (Buyer) agree that the export control requirements in No. 1-4 above shall survive the completion, early termination, cancellation or expiration of the applicable purchase order, agreement or contract.
4. Specifications
  - 4.1 The Buyer shall be responsible to the Seller for ensuring the accuracy of the terms of any order (including any applicable specification) submitted by the Buyer, and for giving the Seller any necessary information relating to the Goods within a sufficient time to enable the Seller to perform the Contract in accordance with its terms
  - 4.2 The quantity, quality and description of any specification for the Goods shall be those set out in the Seller's quotation (if accepted by the Buyer) or the Buyer's order (if accepted by the Seller)
  - 4.3 If Goods are supplied in accordance with the Buyer's specifications the Buyer shall be solely responsible for the specifications and ensuring that they are accurate
  - 4.4 If any technical calculations are made by the Seller using information supplied by the Buyer the Buyer accepts that they are responsible for supplying accurate technical information and accordingly the Seller is not liable in respect of calculations based on incorrect information given
  - 4.5 If Goods are to be manufactured or any process is to be applied to the Goods by the Seller in accordance with a specification or request submitted by the Buyer or should any change be made to the Goods at the request of the Buyer the Buyer shall indemnify the Seller against all loss damages costs and expenses awarded against or incurred by the Seller in connection with or paid or agreed to be paid by the Seller in settlement of any claims for infringement of any patent, copy right, design, trade mark or other industrial or intellectual property rights of any person which results from the Seller's use of the Buyers specification

- 4.6 The Seller reserves the rights to make any changes in the specification of the Goods which are required to conform with any applicable statutory or EC requirements or, where the Goods are to be supplied to the Seller's specification, which do not materially affect their quality or performance
- 4.7 At all times the buyer has the responsibility to adequately guard and maintain the product supplied in accordance with relevant operation manuals, service factors and health and safety legislation applicable for any product supplied by ABSSAC Limited.
- 4.8 The seller (Abszac Limited) shall not in any event be liable for any consequential damages, secondary charges, expenses for installing or disconnecting, or losses or injuries to persons or property resulting from any alleged defect in the product or any use of the product, and in manner that exceeds its design, duty cycle and or ability.
- 4.9 It remains the responsibility of the buyer to test any samples or other products that the seller will provide for fatigue, stress and general ability in the application. All products that the seller provides and are used in both real and test situations are considered by Abszac Ltd to have been thoroughly tested to meet and exceed the anticipated life and duty requirement of the product in its application by the buyer. It remains the responsibility of the buyer to give all technical information to the seller and all buyers are responsible for meeting health and safety measures and adequately guarding users and all associated parties against all and any possible failures in line with the health and safety requirements.
- Other Where recommended guidelines of serviceable or replaceable parts and maintenance/inspection requirements are exceeded or ignored by the user and/or buyer, no warranty or other claim can or will exist. Where minimum or maximum values/sizes/limits/dimensions/fitting instructions and technical data of parts are ignored/abused/extended/not applied/not actioned or used in excess of the design or standard parameters of the product by the user and/or buyer then no warranty claim or other claim can exist.
- No warranty or other claim can exist or be made by the user or buyer or other to the seller or its agent or other for any part used in motor sport, military or aviation. No warranty is given to this type of application.
- All or any secondary or further processes/disassembly/machining/ heating/drying/coating or any other additional process the originally supplied product or associated part/product after dispatch from the seller or its agent voids any warranty claim or other claim.
- It remains the responsibility of the buyer or user to advise us the seller of any and all certification/test/traceable certification requirement.
- Conversations may be recorded as part of our ongoing customer service program.
5. Packaging
- 5.1 Packaging for the Goods shall be at the discretion of the Seller which has the right to pack the Goods in such a manner and with such materials and in such quantities as in his absolute discretion thinks fit unless detailed packaging instructions are received from the Buyer prior to agreeing a price for the Goods which the Seller agrees to in Writing
6. Price of the Goods
- 6.1 Price of the Goods shall be the Seller's quoted price or, where no price has been quoted (or a quoted price is no longer valid) the price listed in the Seller's published price list current at the date of acceptance of this order. Where the Goods are supplied for export from the United Kingdom, the Seller's published export price list shall apply. All prices quoted are valid for 30 days only or until earlier acceptance by the Buyer, after which time they may be altered by the Seller without given giving written notice to the Buyer
- 6.2 The price is exclusive of any applicable value added tax, which the Buyer shall be additionally liable to pay to the Seller
- 6.3 All prices stated shall be subject to variation at the sole discretion of the Seller at any time without prior notice and the Seller shall notify the Buyer of any variation before delivery of the Goods
7. Payment
- 7.1 Liability for payment for the Goods supplied to customers who have a trading account with the Seller shall arise on delivery and payment in cash is due 30 days from the date of the invoice or as otherwise specifically agreed in Writing by the Seller. Payment shall be due and the company shall be entitled to sue for the price whether or not property in the Goods has passed by virtue of condition 10 and notwithstanding the delivery may not have taken place as a result of the Buyer's wrongful or refusal to accept delivery. The time of payment of the price shall be of the essence of the Contract
- 7.2 Liability for payment for the Goods supplied on a proforma invoice basis for customers who do not have a trading account with the Seller shall be prior to delivery of the Goods. The time of payment of the price shall be of the essence of the Contract. It is the Buyer's responsibility to give written notice to the Seller of any payment under proforma invoice arrangements
- 7.3 Sums paid after the due date shall pay interest until the day payment is received at the rate of 5% per annum above the base rate from time to time of National Westminster Bank Plc occurring from day to day from the date of delivery until the date of payment in full
- 7.4 If the recovery of sums outstanding from the Buyer is passed to a debt collection agency the Buyer shall pay the Seller's costs in instructing the said debt collection agency and all ancillary legal costs
- 7.5 Without prejudice to any other rights or remedies of the Seller any in default of the Buyer in making payment on the due date shall entitle the Seller to suspend deliveries under the Contract or any other Contract so long as the default continues and break the Contract as repudiated by the Buyer and determined if the Buyer has not within 14 days of receiving written notice from the Seller paid all sums due to the Seller.
8. Delivery
- 8.1 Delivery shall take place when the Goods are unloaded at or delivered to the Buyer's premises or other delivery location agreed between the Seller and the Buyer except that if the Buyer collects or arranges collection of the Goods from the Seller's premises, or nominates a carrier for the Goods delivery shall take place when the Goods are loaded on the collection or carriers vehicle
- 8.2 Any dates quoted for delivery of the Goods are approximate only and the Seller will not be liable for any delay in delivery of the Goods however so caused. Time for delivery shall not be of the essence of the Contract unless previously agreed by the Seller in Writing. The Goods may be delivered by the Seller in advance of the quoted delivery date upon giving responsible notice to the Buyer
- 8.3 The Buyer shall accept immediate delivery or arrange to collect the Goods or arrange suitable storage, failing which the company may either:
- 8.3.1 effect delivery by whatever means they think most appropriate; or
- 8.3.2 arrange storage at the Buyer's risk and expense pending delivery; or
- 8.3.3 re-sell or otherwise dispose of the Goods without prejudice to any other rights the Seller may have against the Buyer for breach of Contract or otherwise
- 8.4 Where the agreement provides for delivery by instalments each delivery shall constitute a separate Contract and failure by the Seller to deliver any one or more of the instalments in accordance with these Conditions or any claim by the Buyer in respect of any one or more instalments shall not entitle the Buyer to treat the Contract as a whole as repudiated
- 8.5 The Buyer shall not be entitled to reject the Goods by reason only of short delivery

- 8.6 The quantity of the Goods delivered under the Contract shall be recorded by the Seller upon dispatch from the Seller's factory or warehouse and the Seller's records shall be accepted by the Buyer as conclusive evidence of the quantity delivered.
- 8.7 It is the Buyer's responsibility to notify the seller if Goods have not been received by the Buyer within seven days of the date of receipt of the Seller's invoice, therefore, if no notification is made the Buyer shall be deemed to have received the Goods.
- 8.8 If the Seller fails to deliver the Goods (or any instalment) for any reason other than any cause beyond the Seller's reasonable control or the Buyer's fault, and the Seller is accordingly liable to the Buyer, the Seller's liability shall be limited to the excess (if any) of the cost to the Buyer (in the cheapest available market) of similar Goods to replace those not delivered over the price of the Goods. The seller is under no obligation or liability in respect of failure to complete or delay or failure to deliver the goods comprised in any order or contract caused directly or indirectly by act of war or terrorism, strikes, lockouts, labour troubles, breakdowns, delays in transport, accidents, delay in obtaining material, fire, government prohibition, delivery of necessary fuel requirements, any and all problems or other restrictions relating to design or other manufacturing difficulties that arise during an order.
- 8.9 If the Buyer fails to take delivery of the Goods or fails to give the Seller adequate delivery instructions at the time stated for delivery (otherwise than by reason of any cause beyond the Buyer's reasonable control or by reason of the Seller's fault) then, with out prejudice to any other right or remedy available to the Seller, the Seller may:
- 8.9.1 store the Goods until actual delivery and charge the Buyer for the reasonable costs (including insurance) of storage;  
or
- 8.9.2 sell the Goods at the best price readily obtainable and (after deducting all reasonable storage and selling expenses) account to the Buyer for the excess over the price under the Contract or charge the Buyer for any shortfall below the price under the Contract
9. Examinations and claims
- 9.1 The Buyer shall upon delivery examine the Goods and shall promptly (but in any event within seven working days of delivery) notify in Writing the Seller and the carrier, where relevant, of any apparent damage defect or shortage.
- 9.2 The Buyer shall comply with the carriers rules, regulations and requirements so as, when appropriate, to the Seller to make a claim against the carrier in respect of any damage or loss in transit.
- 9.3 Claims in respect of damage defects or shortage not apparent on examination and under clause 9.1 must be notified in Writing to the Seller within 7 days of the date of delivery
- 9.4 Notification under clauses 9.1 to 9.3 above shall be first made by telephone then by notice in Writing delivered by facsimile transmission or by first class recorded delivery mail and addressed to Abssac Limited Units 19/20 Bond Industrial Estate Wickhamford Evesham Worcs WR11 7RH.
- 9.5 In default of such notification the seller shall be deemed conclusively to have properly preformed its obligations under the Contract.
10. Property and risk
- 10.1 All risk including that of dam age to or loss of the Goods shall pass to the Buyer:
- 10.1.1 at the time when the Seller notifies the Buyer that the Goods are available for collection the case of Goods to be supplied at the Seller's premises  
or
- 10.1.2 at the time of delivery but prior to unloading or if the Buyer wrongfully fails to take delivery of the Goods at the time when the Seller has tendered to delivery of the Goods in the case of Goods to be supplied otherwise than at the Seller's premises  
or;
- 10.1.3 at the time of delivery of the Goods to a carrier for delivery to the Buyer in the case of Goods to be supplied in a manner otherwise than as set out in Conditions 10.1.1 or 10.1.2 above
- 10.2 The Buyer shall fully insure the Goods against all risks from the times stipulated forthe passing of risk in condition 10.1 above up to the time when the proprietary rights in such Goods pass to the Buyer
- 10.3 Property (both legal and beneficial) in the Goods shall remain in the company until all sums owing to the Seller whether under the Contract or any other Contract at any time between the Seller and the Buyer made prior to the date of the Contract ("the Indebtedness) shall have been paid in full, until such time the Buyer shall hold the Goods as bailee for the Seller
- 10.4 The Buyer shall not be entitled to pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of the Seller, but if the Buyer does so all moneys owing by the Buyer to the Seller shall (without prejudice to any other right or remedy of the Seller) forthwith become due and payable
- 10.5 The Buyer until otherwise notified by the Seller or on the happening of any of the event specified in Condition 10.7 ("the Events") may in the ordinary course of business sell the Goods and pass property in them ("the Re-Sale") subject to the stipulations ("the Stipulations") imposed in Condition 1 0.5
- 10.6 The Stipulations are that until the Indebtedness has been fully discharged;
- 10.6.1 the Goods shall not be converted into any other product or mixed with any other Goods to make another product ("the New Product") nor will the Buyer sell the New Product and property in it ("the Sale") but if the Buyer in breach of the above provision does convert or mix the Goods property in the New Product shall atthe earliest moment that such vesting is possible, vest and remain in the Seller whether or not property in the Goods is at the moment extinguished
- 10.6.2 the Re-Sale shall be for the account of the Seller and, unless the Seller by written notice requires the paymentto it of the proceeds ofthe Re-Sale ("the Proceeds") to the extent of the Indebtedness, in which case the Buyer shall forthwith on receipt of such notice or as soon as thereafter as it shall receive the Proceeds makes its payment, the Buyer shall retain the Proceeds in a separate bank accountto the order of the Seller and not mix them with any other monies
- 10.6.3 in the event of a breach by the Buyer of its obligations under additions 10.6.1 the Seller shall have the right to trace the Proceeds in to any other moneys which may have been mixed and the Buyer shall indemnify the Seller on a full indemnity basis against loss, damage, costs or expenses incurred in such tracing
- 10.6.4 until the Re-Sale the Seller has have the right to repossess the Goods or take possession of the New Product at any time and for this purpose shall have the right to enter on to any premises or land in the ownership or possession of the Buyer and remove the Goods and/or the New Product not withstanding that they are affixed to such premises or land and the Buyer shall indemnifythe Seller on a full indemnity basis against all loss, damage, costs or expenses so arising including loss, damage, costs or expenses in respect of third party claims. Such taking of possession re delivery shall be without prejudice in the obligation of the Buyer to purchase Goods
- 10.6.5 the Goods and the New Product shall until their Re-Sale or Sale be stored separately, protected and insured and identified and clearly marked as the Seller's property
- 10.7 The Events are;
- 10.7.1 The giving of any notice to the Buyer that a receiver, manager, administrative receiver, supervisor, nominee or administrator is to be or has been appointed over any of the property or assets of the Buyer or that a petition to wind up the Buyer is to be or has been presented or that an application for an administration order is to be or has been made or any notice of a resolution to wind up the Buyer (say for the purposes of bona fide reconstruction or amalgamation)
- 10.7.2 A decision by the Buyer that the Buyer intends to make any arrangement or composition with its creditors generally.
- 10.7.3 Where the Buyer pursuant to section 123 or 268 of the Insolvency Act 1986 appears to be unable to pay a debt or appears to have no reasonable prospects of being able to pay a debt

- 10.7.4 any distress or execution levied as threatened to be levied on any property or assets of the Buyer
- 10.7.5 the inability of the Buyer to pay its debts as they fall due
- 10.7.6 on receipt of notification from the company under Condition 10.5 or on the happening of any of the Events the Buyer shall immediately deliver the Goods and the New Product property in which the Product is reserved to or is vested in the Seller to such address as the Seller shall specify in default of which or in the alternative, the Seller shall have the right to enter on any premises or land in the ownership or possession of the Buyer in order to recover the Goods and the New Product and the Buyer shall indemnify the Seller on a full indemnity basis against all loss, damage, costs or expenses as arising including loss, damage, cost or expenses in respect of third party claims
11. Breach by or insolvency by the Buyer
- 11.1 if the Buyer shall not comply with any of its obligations to the Seller or upon the occurrence of any of the Events referred to in clause 10.7 the Seller shall have the right forthwith to terminate the Contract but without affecting any other claim right or remedy of the Seller against the Buyer and without any liability to the Buyer, and if the Goods have been delivered but not paid for the price shall become immediately due and payable notwithstanding any previous agreement or arrangement to the contrary
12. Export Terms
- 12.1 In these Conditions "Incoterms" mean the international rules for the interpretation of trade terms of the International Chambers of Commerce as in force at the date when the Contract is made. Unless the Context otherwise requires, any term or expression which is defined in or given a particular meaning by the provisions Incoterms shall have the same meaning in these Conditions, but if there is any conflict between the provisions of Incoterms and these Conditions, the latter shall prevail
- 12.2 Where the Goods are supplied for export from the United Kingdom, the provisions of this clause 12 shall (subject to any special terms agreed in Writing between the Buyer and the Seller) apply notwithstanding any other provision of these Conditions
- 12.3 The Buyer shall be responsible for complying with any legislation or regulations governing the importation of the Goods in to the country or destination and for the payment of any duties on them
- 12.4 Unless otherwise agreed in Writing between the Buyer and the Seller, the Goods shall be delivered fob the air or sea port of shipment and the Sellers shall be under no obligation to give notice under section 32(3) of the Sale Of Goods Act 1979
- 12.5 The Buyer shall be responsible for arranging for testing and inspection of the Goods at the Sellers premises before shipment. The Seller shall have no liability for any claim in respect of any defect in the Goods which would be apparent on inspection and which is made after shipment, or in respect of any damage during transit
- 12.6 Payment of all amounts due to the Seller shall be made by irrevocable letter of credit opened by the Buyer in favour of the Seller and confirmed by a bank acceptable by the Seller, or by telegraphic transfer in to the Sellers aforementioned bank account or if the Seller agrees in Writing on or before acceptance of the Buyer order to waive this requirement, by acceptance by the Buyer and delivery to the Seller of a bill of exchange drawn on the Buyer payable 60 days after sight of the order to the Seller at such branch of National Westminster Bank in England as may be specified in the bill of exchange
- 12.7 Unless otherwise specifically agreed between the Seller and the Buyer all Exports sales shall be made by delivery to the Buyer's premises and the Seller's prices shall be increased to cover the Seller's costs in making such deliveries
- 12.8 The Buyer warrants that if an import licence or permit is required for the importation of the Goods into the county or destination then such import licence or permit has been obtained or would be obtain prior to shipment
13. Cancellation, suspension and termination
- 13.1 If the Buyer shall purport to cancel the whole or any part of the Contract the Seller may by notice in Writing to the Buyer elect to treat the Contract as repudiated and the Buyers shall thereupon be liable to pay the Seller by way of liquidated damages a sum equal to all the expenses incurred by the Seller in connection with the Contract including an appropriate amount in respect of administration overheads, costs and loss of profit. The Sellers reasonable estimate of the expenses incurred shall be final and binding on the parties
- 13.2 If for any cause whatsoever beyond its control the Seller is unable to make any delivery on the applicable delivery date or preform any of its obligations under the Contract the Seller may be notice in Writing to the Seller terminate the Contract or suspend the Contract without liability of any loss or damage thereby occurred by the Buyer
14. Intellectual property
- 14.1 The Buyer shall not infringe any patent, trade name, registered design, copyright industrial or other intellectual property right belonging to the Seller in relation to the Goods or any other goods or matters supplied by the Seller with or in relation to the Goods
- 14.2 The Buyer shall promptly report to the Seller particulars of any use by any person of a patent, trade name, registered design, trade mark or get up of Goods which might amount to infringement of any patent, trade mark, registered design, copy right, industrial or other intellectual property right attaching to the Goods or to unfair competition on passing off
- 14.3 In the event that it comes to the notice of the Buyer that any person alleges that a patent, trade name, registered design, copy right, industrial or other intellectual property right is invalid or that they infringe any rights of that person or that they are open to any form of attack the Buyer shall not make any omissions but shall promptly report the matter to the Seller
- 14.4 The Seller shall have conduct of all proceedings relating to any patent, trade name, registered design, copy right, industrial or other intellectual property right attaching to the Goods
15. Force majeure
- 15.1 In so far as the performance of the Contract by the Seller may be affected by any strike, any lack of available, shipping or transport or materials, any restriction regulation or decree by any local or municipal authority or government department or by any cause beyond the Seller's reasonable control (which shall be construed without reference to the proceeding causes) the Seller may elect at its absolute discretion either;
- 15.1.1 to terminate the Contract or;
- 15.1.2 to proceed to preform or continue performance under the Contract within a reasonable time after the termination of such events of circumstance
- 15.2 In the event that the Seller makes an election under clause 15.1 the Buyer shall accept the Goods or such part of them as are delivered to it notwithstanding any delay
16. Exclusion of Contract (rights of the third party) Act 1999
- 16.1 Nothing in these Conditions will confer on any third party any benefit or the right to enforce any terms of these Conditions
17. Proper law
- 17.1 The Contract is and shall be deemed to be made in England and shall in all respects be governed by English Law and shall be subject to the non-exclusive jurisdiction of the English Court General
18. General
- 18.1 Any notice required or permitted to be given by either party to the other under these Conditions shall be in Writing and addressed to that other party at its registered office or principal place of business or such other address as may at the relevant time having been notified pursuant to this provision to the party giving the notice

- 18.2 No waiver by the Seller of any breach of the Contract by the Buyer shall be considered as a waiver of any subsequent breach of the same or any other provision
- 18.3 If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part the validity of the other provisions of these Conditions and the remainder of the provision in question shall not be affected
- 18.4 No liability, warranty or any other claim can or will exist for any product(s) during or as a consequence of or any consequence whatsoever resulting directly or indirectly from or in connection with any of the following regardless of any other contributory cause or event from :  
Terrorism Terrorism is defined as any act or acts including and not limited to the use or threat of force/violence/harm or damage to life or property or the threat of such harm or damage including harm or damage by nuclear and or chemical and or biological and or radiological means. Caused or occasioned by any persons or groups or so claimed in whole or in part for political religious ideological or similar purposes. Or, any action taken in controlling preventing suppressing or in anyway relating to the above.  
War War or invasion, act of foreign enemy hostilities of a warlike operation or operations (whether war be declared or not) civil war rebellion revolution insurrection civil commotion assuming the proportions of or amounting to an uprising military or usurped power. Or any action taken in controlling preventing suppressing or in any way relating to any of the above.
- 18.5 Any dispute arising under or in connection with these Conditions or the sale of the Goods shall be referred to arbitration by a single arbitrator appointed by agreement or (in default) nominated on the application of either party by the president for the time being of the Law Society.  
Absac Limited may make changes to the contents/ improvements and/or changes in the product(s) or service(s) described in this publication at any time.

**August 2013.**