Performance Guarantee (UK Only)
These hinges are performance guaranteed for 10 or 25 years respectively please refer to distributor for details. The hinges must be fitted correctly in accordance with our fitting instructions. Any replacements will be made through our distributors who will require evidence of purchase date, and may require access to site for inspection purposes.
IMPORTANT INFORMATION
Fixing Instructions
Our hinges are produced to high quality specifications and the performance of these hinges will be affected by the standard of fixing. Bad fixing will reduce the life of our hinges. The following points should be noted:
<ol> <li>The correct hinges should be used to suit the total adjusted door weight including any hard-ware, if in doubt contact your distributor or the manufacturer.</li> <li>Use the correct size and gauge of screw and drill pilot holes in exact position.</li> <li>Hinge pins should be in correct alignment with each other.</li> <li>Hinge flaps should be recessed into the door and frame evenly.</li> <li>If the hinge flap is recessed deeper at the top of the flap than the bottom the hinge pin will be subject to pressure, which will cause the hinge to wear rapidly, and may squeeze out the pin.</li> <li>No responsibility will be taken for hinges fitted in a manner that they were not designed for, unless we are informed of the special application before placing the order.</li> <li>Hinge supplied for use on fire and escape door sets will be supplied complete with intumescent pads, which must be fitted behind each hinge flap, between the timber door and frame and the metal hinge leaves.</li> </ol>
Lubrication
<ol> <li>Hinges are supplied non – lubricated and should be oiled after fixing and at regular intervals there after at least once every six months or 25,000 cycles.</li> <li>A lubricating oil such as SAE 80 MIN or equivalent is recommended.</li> <li>Regular maintenance and lubrication will enhance the lifetime and performance of hinges.</li> </ol>
Care of Finishes
<ol> <li>Regular cleaning with a cloth damped with good light oil or lanolin should be enough to keep all finishes in its original condition for a long period.</li> </ol>
<ol> <li>For extra cleaning of polished and lacquered finishes it is recommend that a good quality wax polish is used, particularly on externally fitted items, applied every few weeks.</li> <li>Some lacquered finishes can break down eventually due to adverse conditions. Therefore the life of all finishes is beyond our control and cannot be guaranteed.</li> </ol>
<ol> <li>For more information regarding salt spray corrosion testing on certain finishes to BS EN 1670 please contact your distributor or the manufacturer.</li> </ol>

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1670 please contact your distributor or the manufacturer. 5. Do not use Solvents, cleaning chemicals or abrasive products on surface finishes 6. Do not apply adhesive tapes to any surface finishes.



For UKCA/C	CE marked h	inges you will t	ind an eig aur distrib	ht digit cod	ling syster manufactu	n on the pa	ackaging v	vhich is ex	plained briefly below,
The standar	rd for single s	vis hinnes is pr	follows						
DC EN1025	- 2002 Duil	dina hardwara '	Pinalo Avi	s bingos	Poquirom	opto and To	et Mothor		
D2 EM 1932	: 2002 - Duii	aing naraware :	Single-Axi	s ninges –	nequirem	and re	st method	15.	
Code that is it was tested	itandard the p visible on the d.	roduct is tested e packaging. Ea	and class ach digit re	atied accord apresents a	dingly to sh i category	and how it	measured	/ the identi I against th	fication of an 8 –digit he standard to which
Example of	eight digit co	de:							
									1
		3 7	4	1*	1	4	0	11	
Digit 1 – Ca	tegory of use								
• Grade 1	: Ligni	duty.	Digit 2	- Number	of test cyc	les.			
Grade 2	. Wear	um duty.	• Gra	ide 3:	10,000 1	test cycles			
Grade 3	- neav	y duly. re duty	• Gra	10e 4: 1de 7:	25,000 1	test cycles	-		
Grade 4		ie daty.	- 012	ue /.	200,000	test cycle	0		
Digit 3 – Tes	st door mass		Digit 4	- Fire Beh	aviour				
<ul> <li>Grade 0:</li> </ul>	: 10kg		<ul> <li>Gra</li> </ul>	ade 0:	Not Suita	able for use	e on fire re	sistant and	d / or
<ul> <li>Grade 1:</li> </ul>	: 20kg				smoke c	ontrol door	assemblie	9S	
<ul> <li>Grade 2:</li> </ul>	: 40kg		<ul> <li>Gra</li> </ul>	ade 1:	Suitable	for use on	fire / smol	ke resistan	t door assemblies
<ul> <li>Grade 3:</li> </ul>	: 60kg				subject t	o satisfacte	ory assess	ment of the	e contribution of the
<ul> <li>Grade 4:</li> </ul>	: 80kg				hinges to	the fire re	sistance c	of the speci	fied fire / door
<ul> <li>Grade 5:</li> </ul>	: 100kg	9			assembl	ies. (For n	nore specir	fic informat	tion regarding
<ul> <li>Grade 6:</li> </ul>	: 120k	9			suitability	for FD30	or FD60 fi	re resistan	t door sets please
<ul> <li>Grade 7:</li> </ul>	: 160k	9			contact y	our distrib	utor or the	manufactu	urer)
Digit 6 - Co Five grades Grade 1 Grade 1 Grade 2 Grade 3 Grade 4 Digit 7 - Se Grade 0 Grade 1 Digit 8 - Hin	rrosion resist of corrosion : No di : Mode : High : Very curity - Burgl : Not s : Suita nge grade	ance resistance are i fined corrosion resistance rate resistance high resistance ar-resistance (s uitable for use of ble for use on b	identified a resistanc eventh dig on burglar res	according to e git) -resistant istant door	o BS EN16 door asse assemblie	570: mblies; s.			
Fourteen gra	ades of hinge	are identified i	n this Eur	opean Stan	idard as di	etailed in T	able A.		
Table A	Grade	Max. mass of door leaf	hinged kgs	Max.ani of operat	nual numl tions (cyc	les)			
	1	10		1	0,000				
	2	20		1	0,000				
	3	20		25,000					
	4	20		21	00,000				
	5	40		1	0,000				
	6	40		2	5,000				
	7	40		21	00,000				
	8	60		1	0,000				
				2	5 000				
	9	60							
	9 10	60 60		2	00,000				
	9 10 11	60 60 80		21	00,000				
	9 10 11 12	60 60 80 100		21 21 21 21	00,000 00,000 00,000				
	9 10 11 12 13	60 60 80 100 120		21 21 21 21 21	00,000 00,000 00,000 00,000				
	9 10 11 12 13 14	60 60 100 120 160		21 21 21 21 21 21 21 21	00,000 00,000 00,000 00,000 00,000				



Overall Lengul (A)	13mm	ISmm	Zomm	32mm	32mm
Shank Hole size (C)	2.8mm	3.57mm	3.97mm	4.76mm	5.56mm
Depth (B)				6mm	6mm
Pilot Hole Size					
Hardwood (D)	1.98mm	2.38mm	2.78mm	3.17mm	3.57mm
Softwood (D)	1.59mm	1.98mm	2.38mm	2.78mm	3.17mm
Depth (A)	13mm	13mm	25mm	32mm	32mm

Great care must be taken when using brass wood screws, they are not like steel or stainless steel fixing screws and can easily be damaged. It is essential that pilot holes are pre-drilled in the timber door and frame before driving the wood screws into the timber to secure the hinges the wood screws into the timber to secure the hinges

We recommend using a steel or stailless steel wood screw to drive into the timber to pre-cut the thread into the timber after pre-drilling the pilot holes, this will ensure the brass screw heads are not damaged when timing. Pilot holes should be pre-drillied using the closest size wood drill to the chart above for both the shank and threaded part of the wood screw.

If using powered screw drivers, drills or impact drivers the torque must be adjusted to a low setting and only used up until the final few turns of the screw. To avoid damaging the screw we recommend using a hand held screw driver with the correct Phillips head **PH2**, to finally drive home the woodscrews.

Problems that can occur-1 Philips screw head damage. Reasons, using power tools with a high torque setting. 2 Breaking screw heads completely off . Reasons, using power tools the too high torque setting. 3 Both the above problems will occur if not pre-drilling pilot holes into the timber doors and frames. 4 The density of Hardwood doors and frames will increase the need to pre-cut the thread into the timber to reduce any damage to the brass woodscrews.

It is essential when fitting brass wood screws that this information is given to the contractors fitting the hinges.