## A COMPLETE RANGE OF LOCKNUTS, EARTHTAGS, IP WASHERS, SERRATED WASHERS AND SHROUDS

peppers

													Nominal
	LOCKNU		ded for securing (	external	ISO Thread Dia	Nominal Thickness	Nominal A/F	Nominal A/C	Weight (Kgs/100)	NPT Thread Dia	Nominal Thickness	Nominal A/F	A/C
			nent. They are av		M12 x 1.5	2.5	17.0	18.7	0.30	1/2"	3.2	27.0	29.7
	in various	s materials such	as brass, plated b		M16 x 1.5	4.0	22.0	24.2	0.772	3/4"	4.0	30.5	33.5
	stainless	steel, aluminium	and nylon.		M20 x 1.5	4.0	24.0	26.4	0.683	1"	6.4	36.0	39.5
			Order Code Exam	ple	M25 x 1.5	4.0	30.0	33.0	1.027	1¼"	6.4	46.0	50.5
10	Brass		ACBLN/M20		M32 x 1.5	4.0	40.0	44.0	2.020	1 ½" 2"	6.4	55.0	60.6
2		ckel Plated	ACBLN/NP/M20		M40 x 1.5	4.8	46.0	50.5	2.200		6.4	65.0	70.8
	Stainless		ACSLN/M20		M50 x 1.5	5.0	65.0	71.5	6.997	2 1/2"	9.0	90.0	99.0
	Aluminiu	m	ACALN/M20		M63 x 1.5	6.4	80.0	88.0	12.40	3"	9.0	104.8	115.3
	Nylon		ACNLN/M20		M75 x 1.5 M80 x 2	7.0 9.0	90.0 90.0	99.0 99.0	14.871 15.140	3 ½" 4"	10.0 10.0	114.3 140.0	125.7 152.0
					M85 x 2	9.0	104.8	115.3	27.518	4	10.0	140.0	152.0
ons she	wn are only a	applicable to metalli	ic locknuts and are su	bject to change without notice	M90 x 2	9.0	104.8	115.3	23.256				
					M100 x 2	9.0	104.8	125.7	25.256			), PG7 to PG4 ailable upon	
					11100 X 2	5.0	114.5	123.7	23.230				
					ISO Thread	Nominal	Nominal	Bolt Hole	Weight	NPT Thread	Nominal	Nominal	Bolt Hole
	EARTH 1		nded for providin	a an earth	Dia	Thickness	Centres	Dia	(Kgs/100)	Dia	Thickness	Centres	Dia
	bond cor	nnection for an e	entry component	into the	M12	1.5	31.8	6.9	0.836	1/2"	1.5	33.0	6.9
	equipme	nt. Earth tags ar	e available in bra	ss, nickel	M16	1.5	31.8	6.9	0.746	3/4"	1.5	36.5	6.9
	plated br	rass, stainless ste	el and aluminium	1.	M20	1.5	33.0	6.9	0.672	1"	1.5	42.5	11.8
-			Order Code Exa	mple	M25	1.5	36.5	6.9	0.797	1 ¼"	1.5	45.4	13.5
					M32	1.5	42.5	11.8	1.476	1 1⁄2"	1.5	58.1	13.5
P	Brass		ACBET/M20		M40	1.5	45.4	13.5	2.089	2"	1.5	66.8	13.5
	Brass Ni Stainless	ckel Plated	ACBET/NP/M20 ACSET/M20		M50	1.5	58.1	13.5	3.729	2 1/2"	1.5	73.0	13.5
	Aluminiu		ACSET/M20 ACAET/M20		M63	1.5	66.8	13.5	4.898	3"	1.5	90.0	13.5
	Auniniu	200	ACAL I/ PIZO		M75 M80	1.5 1.5	73.0 73.0	13.5 13.5	5.220 4.647	3 ½" 4"	1.5 1.5	112.0 120.0	13.5 13.5
					M80 M85					4	1.5	120.0	13.5
						2.0	90.0	13.5	7.600				
ners	Farth tags ar	e compliant with the	e Category B require	ments of EN 50262 1999		20	00.0	17 5	0.000				
Peppers	Earth tags ar	e compliant with th	e Category B require	ments of EN 50262: 1999.	M90	2.0	90.0	13.5	8.800			), PG7 to PG4	
eppers	Earth tags ar	e compliant with the	e Category B require	ments of EN 50262: 1999.		2.0 2.0	90.0 112.0	13.5 13.5	8.800 13.800			), PG7 to PG4 ailable upon r	
ppers	IP WASH	HERS			M90	2.0 Thickness			13.800 Weight		BSPT are ava		request Outside
ppers	IP WASH	<b>HERS</b> to maintain the i	ntegrity of an end	closure greater than	M90 M100 ISO Thread Dia	2.0 Thickness Nylon	112.0 Thickness Fibre	13.5 Outside Diameter	13.800 Weight (Kgs/100)	BSPP/ NPT Thread Dia	BSPT are ava Thickness Nylon	Thickness Fibre	outside Diameter
ers	IP WASH	<b>HERS</b> to maintain the i shers are recomi	ntegrity of an end		M90 M100 ISO Thread Dia M12	2.0 Thickness Nylon 2.00	112.0 Thickness Fibre 1.50	13.5 Outside Diameter 24.0	13.800 Weight (Kgs/100) 0.079	BSPP/ NPT Thread Dia 1/2"	BSPT are ava Thickness Nylon 2.0	Thickness Fibre	Outside Diameter 30.0
pers	IP WASH In order t IP54, was	HERS to maintain the i shers are recomi erface.	ntegrity of an en mended to be ins	closure greater than talled at the gland	M90 M100 ISO Thread Dia M12 M16	2.0 <b>Thickness</b> <b>Nylon</b> 2.00 2.00	112.0 Thickness Fibre 1.50 1.50	13.5 Outside Diameter 24.0 25.0	13.800 Weight (Kgs/100) 0.079 0.116	BSPP/ NPT Thread Dia 1/2" 3/4"	BSPT are ava Thickness Nylon 2.0 2.0	Thickness Fibre 1.50 1.50	Outside Diameter 30.0 38.0
oers	IP WASH In order ti IP54, was entry inte	HERS to maintain the i shers are recomi erface. Order Code Exam	ntegrity of an eno mended to be ins nple Temperatu	closure greater than tailed at the gland re	M90 M100 ISO Thread Dia M12	2.0 Thickness Nylon 2.00	112.0 Thickness Fibre 1.50	13.5 Outside Diameter 24.0	13.800 Weight (Kgs/100) 0.079	BSPP/ NPT Thread Dia 1/2"	BSPT are ava Thickness Nylon 2.0	Thickness Fibre	Outside Diameter 30.0
ppers	IP WASH In order t IP54, was entry inte	HERS to maintain the i shers are recomi erface. Order Code Exan ACFSW/M20	ntegrity of an eno mended to be ins nple Temperatu -40°C to +9	closure greater than talled at the gland <b>re</b>	M90 M100 ISO Thread Dia M12 M16 M20	2.0 Thickness Nylon 2.00 2.00 2.00	112.0 Thickness Fibre 1.50 1.50 1.50	13.5 Outside Diameter 24.0 25.0 29.4	13.800 Weight (Kgs/100) 0.079 0.116 0.164	BSPP/ NPT Thread Dia 1/2" 3/4" 1"	Thickness Nylon 2.0 2.0 2.0	Thickness Fibre 1.50 1.50 1.50	Outside Diameter 30.0 38.0 46.3
ppers	IP WASH In order t IP54, was entry inte Fibre Nylon	HERS to maintain the i shers are recomi erface. Order Code Exan ACFSW/M20 ACNSW/M20	ntegrity of an enc mended to be ins nple Temperatu -40°C to +1 -40°C to +1	closure greater than talled at the gland re 95 °C 35 °C	M90 M100 M100 M12 M12 M16 M20 M25	2.0 Thickness Nylon 2.00 2.00 2.00	112.0 Thickness Fibre 1.50 1.50 1.50 1.50	13.5 Outside Diameter 24.0 25.0 29.4 38.1	13.800 Weight (Kgs/100) 0.079 0.116 0.164 0.257	BSPP/ <b>NPT Thread</b> <b>Dia</b> 1/2" 3/4" 1" 1'4"	Thickness Nylon 2.0 2.0 2.0 2.0 2.0	Thickness Fibre 1.50 1.50 1.50 1.50	Cutside Diameter 30.0 38.0 46.3 55.5
ppers	IP WASH In order t IP54, was entry inte	HERS to maintain the i shers are recomi erface. Order Code Exan ACFSW/M20	ntegrity of an eno mended to be ins nple Temperatu -40°C to +9	closure greater than talled at the gland re 95 °C 35 °C	M90 M100 ISO Thread Dia M12 M16 M20 M25 M32	2.0 Thickness Nylon 2.00 2.00 2.00 2.00 2.00	112.0 Thickness Fibre 1.50 1.50 1.50 1.50 1.50	13.5 <b>Outside</b> <b>Diameter</b> 24.0 25.0 29.4 38.1 42.5	13.800 Weight (Kgs/100) 0.079 0.116 0.164 0.257 0.341	BSPP/ <b>NPT Thread</b> 1/2" 3/4" 1" 1'/4" 1'/2"	Thickness Nylon 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Thickness Fibre 1.50 1.50 1.50 1.50 1.50 1.50	Outside Diameter           30.0           38.0           46.3           55.5           60.0
eppers 30	IP WASH In order t IP54, was entry inte Fibre Nylon	HERS to maintain the i shers are recomi erface. Order Code Exan ACFSW/M20 ACNSW/M20	ntegrity of an enc mended to be ins nple Temperatu -40°C to +1 -40°C to +1	closure greater than talled at the gland re 95 °C 35 °C	M90 M100 ISO Thread Dia M12 M16 M20 M25 M32 M40	2.0 <b>Thickness</b> <b>Nylon</b> 2.00 2.00 2.00 2.00 2.00	112.0 Thickness Fibre 1.50 1.50 1.50 1.50 1.50 1.50	13.5 <b>Outside</b> <b>Diameter</b> 24.0 25.0 29.4 38.1 42.5 52.0	13.800 Weight (Kgs/100) 0.079 0.116 0.164 0.257 0.341 0.386	BSPP/ NPT Thread Dia 1/2" 3/4" 1" 1¼" 1¼" 1¼" 2"	Thickness           Nylon           2.0           2.0           2.0           2.0           2.0           2.0           2.0           2.0           2.0           2.0           2.0           2.0	Thickness Fibre 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	Cutside Diameter 30.0 46.3 55.5 60.0 79.4
eppers 30	IP WASH In order t IP54, was entry inte Fibre Nylon PTFE Colour	HERS to maintain the i shers are recomi erface. Order Code Exan ACFSW/M20 ACRSW/M20 ACPSW/M20	ntegrity of an end mended to be ins -40°C to +4 -40°C to +1 -200°C to -1	closure greater than talled at the gland re 95 °C 35 °C	M90 M100 M100 M12 M12 M16 M20 M25 M32 M40 M50	2.0 Thickness Nylon 2.00 2.00 2.00 2.00 2.00 2.00 2.00	112.0 Thickness Fibre 1.50 1.50 1.50 1.50 1.50 1.50 1.50	13.5 Outside Diameter 24.0 25.0 29.4 38.1 42.5 52.0 65.0	13.800 Weight (Kgs/100) 0.079 0.116 0.164 0.257 0.341 0.386 0.594	BSPP/ NPT Thread Dia 1/2" 3/4" 1" 1 ¼" 1 ¼" 2" 2 ½"	Thickness           Nylon           2.0	Thickness Fibre 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	Cutside Diameter 30.0 38.0 46.3 55.5 60.0 79.4 90.5
, Solution	IP WASH In order 1 IP54, was entry into Fibre Nylon PTFE Colour Fibre	HERS to maintain the i shers are recommerface. Order Code Exam ACFSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red	ntegrity of an end mended to be ins -40°C to +1 -40°C to +1 -200°C to -1 NPT = Red	closure greater than talled at the gland re 95 °C 35 °C	M90 M100 M12 M12 M16 M20 M25 M32 M40 M50 M63	2.0 Thickness Nylon 2.00 2.00 2.00 2.00 2.00 2.00 2.00	112.0 Thickness Fibre 1.50 1.50 1.50 1.50 1.50 1.50 1.50	13.5 Outside Diameter 24.0 25.0 29.4 38.1 42.5 52.0 65.0 65.0 79.4	13.800 Weight (Kgs/100) 0.079 0.116 0.164 0.257 0.341 0.386 0.594 0.794	BSPP/ <b>NPT Thread</b> 1/2" 3/4" 1" 1'½" 2" 2 ½" 3"	Thickness           Nylon           2.0	Thickness Fibre 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	Cutside Diameter 30.0 38.0 46.3 55.5 60.0 79.4 90.5 114.3
ppers D	IP WASE In order of IP54, was entry inte Fibre Nylon PTFE Colour Fibre Nylon	HERS to maintain the i shers are recommerface. Order Code Exant ACFSW/M20 ACRSW/M20 ACPSW/M20 Metric = Red Metric = Red	ntegrity of an enomended to be ins nple Temperatu -40°C to +5 -40°C to +1 -200°C to -1 NPT = Red NPT = White	closure greater than talled at the gland re 95 °C 35 °C	M90 M100 M100 M12 M12 M16 M20 M25 M32 M40 M40 M63 M75	2.0 Thickness Nylon 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00	112.0 Thickness Fibre 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	13.5 <b>Outside</b> <b>Diameter</b> 24.0 25.0 29.4 38.1 42.5 52.0 65.0 65.0 79.4 90.5	13.800 Weight (Kss/100) 0.079 0.116 0.164 0.257 0.341 0.386 0.594 0.794 0.868	BSPP/ NPT Thread Dia 1/2" 3/4" 1" 1'4" 1'4" 1'4" 2" 2 '2" 3" 3 '2"	Thickness           Nylon           2.0	Thickness Fibre 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	request Outside Diameter 30.0 46.3 55.5 60.0 79.4 90.5 114.3 114.3
bers	IP WASH In order 1 IP54, was entry into Fibre Nylon PTFE Colour Fibre	HERS to maintain the i shers are recommerface. Order Code Exam ACFSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red	ntegrity of an end mended to be ins -40°C to +1 -40°C to +1 -200°C to -1 NPT = Red	closure greater than talled at the gland re 95 °C 35 °C	M90 M100 ISO Thread Dia M12 M16 M20 M25 M32 M40 M50 M63 M75 M80	20 <b>Thickness</b> 200 200 200 200 200 200 200 20	112.0 Thickness Fibre 1.50	13.5 <b>Dutside</b> <b>Diameter</b> 24.0 25.0 29.4 38.1 4.2 5.2 0 65.0 79.4 90.5 104.8	13.800 Weight (Kss/100) 0.079 0.116 0.164 0.257 0.341 0.386 0.594 0.594 0.794 0.868 0.839	BSPP/1 NPT Thread 1/2" 3/4" 1" 1 '/2" 2 '/2" 2 '/2" 3 '/2" 4" Sizes 1	Chickness           Nylon           2.0           MII0 to MI300	Thickness           Fibre           1.50	Outside Diameter           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and
ppers 3	IP WASE In order of IP54, was entry inte Fibre Nylon PTFE Colour Fibre Nylon	HERS to maintain the i shers are recommerface. Order Code Exant ACFSW/M20 ACRSW/M20 ACPSW/M20 Metric = Red Metric = Red	ntegrity of an enomended to be ins nple Temperatu -40°C to +5 -40°C to +1 -200°C to -1 NPT = Red NPT = White	closure greater than talled at the gland re 95 °C 35 °C	M90 M100 M100 M12 M12 M16 M20 M25 M25 M32 M40 M50 M63 M75 M80 M85	20 Thickness 200 200 200 200 200 200 200 2	112.0 Thickness 150 150 150 150 150 150 150 150	13.5 Outside Diameter 24.0 25.0 29.4 38.1 42.5 52.0 65.0 79.4 90.5 104.8 104.8	13.800 Weight (Kgs/100) 0.079 0.116 0.164 0.257 0.341 0.386 0.594 0.794 0.868 0.839 0.698	BSPP/1 NPT Thread 1/2" 3/4" 1" 1 '/2" 2 '/2" 2 '/2" 3 '/2" 4" Sizes 1	Chickness           Nylon           2.0           MII0 to MI300	Thickness Fibo 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	Outside Diameter           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           114.6           446.0           48 and
eppers 300	IP WASE In order to IP54, was entry into Fibre Nylon PTFE Colour Fibre Nylon PTFE	HERS to maintain the i shers are recommerface. Order Code Exam ACFSW/M20 ACNSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = White	ntegrity of an enomended to be ins nple Temperatu -40°C to +5 -40°C to +1 -200°C to -1 NPT = Red NPT = White	closure greater than talled at the gland re 95 °C 35 °C	M90 M100 ISO Thread Dia M12 M12 M25 M25 M32 M40 M50 M63 M75 M80 M85 M80	20 Thickness Nylon 200 200 200 200 200 200 200 20	112.0           Thickness           1.50	13.5 Outside Dataseter 24.0 29.4 38.1 42.5 52.0 65.0 65.0 79.4 9.05 104.8 104.8 104.8	13.800 Weight (Kgs/100) 0.116 0.164 0.257 0.341 0.386 0.594 0.594 0.594 0.698 0.839 0.698 0.698	BSPP/1 NPT Thread 1/2" 3/4" 1" 1 '/2" 2 '/2" 2 '/2" 3 '/2" 4" Sizes 1	Thickness Nylon 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Thickness           Fibre           1.50	Outside Diameter           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and
ppers 3	IP WASH In order 1 IP54, was entry intr Fibre Nylon PTFE Colour Fibre Nylon PTFE	HERS to maintain the i shers are recome erface. Order Code Exan ACFSW/M20 ACRSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = White	ntegrity of an en mended to be ins nple Temperatu -40°C to +1 -200°C to -1 -200°C to -1 NPT = Red NPT = White NPT = White	closure greater than talled at the gland re 15 °C 35 °C •260 °C	M90           M100           ISO Thread Dia           M12           M12           M16           M20           M25           M32           M40           M50           M63           M75           M80           M85           M90           M100	20 Thyloness 200 200 200 200 200 200 200 2	TH2.0           Thickness           1.50	13.5 Outside Diameter 24.0 25.0 29.4 38.1 42.5 52.0 65.0 79.4 90.5 104.8 104.8 104.8 114.3 114.3	13.800 Weight (Kgs/100) 0.079 0.116 0.54 0.257 0.341 0.386 0.594 0.794 0.794 0.794 0.698 0.933 0.698 0.913 0.512 Weight (Kgs/100)	BSPP/1	Thickness Nylon 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Thickness           1.50	Outside Diameter           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Nominal O/D
ppers 30	IP WASE In order 1 IP54, was entry intr Fibre Nylon PTFE Colour Fibre Nylon PTFE	HERS to maintain the i shers are recommerface. Order Code Exam ACFSW/M20 ACPSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof	ntegrity of an en mended to be ins nple Temperatu -40°C to +1 -200°C to +1 -200°C to -1 NPT = Red NPT = White NPT = White " washers act as a	closure greater than talled at the gland re 95 °C 53 °C •260 °C	M90 M100 M100 M12 M12 M16 M20 M25 M25 M25 M32 M40 M50 M63 M75 M80 M85 M80 M85 M90 M100	20 Thickness 200 200 200 200 200 200 200 2	112.0 Thickmess 1.50	13.5 Outside Diameter 24.0 25.0 29.4 38.1 42.5 52.0 65.0 79.4 90.5 104.8 104.8 104.8 114.3	13.800 Weight (Kgs/100) 0.079 0.116 0.164 0.257 0.341 0.386 0.594 0.794 0.698 0.698 0.913 0.512 Weight (Kgs/100) 0.137	BSPP/1	Comparison         Milon           2.0         2.0           2	Thickness           1.50	Outside Diameter           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           114.3           146.0           48 and request           Nominal O/D           35.5
3D	IP WASE In order 1 IP54, was entry intr Nylon PTFE Colour Fibre Nylon PTFE SERRAT Serrated device tc and lock	HERS to maintain the i shers are recoming reface. Order Code Exam ACFSW/M20 ACPSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof p prevent the cat nut arrangemen	ntegrity of an en mended to be ins <b>nple</b> Temperatu -40°C to +1 -200°C to -1 -200°C to -1 NPT = Red NPT = White NPT = White " washers act as a ole gland or other	closure greater than talled at the gland re 55 °C 35 °C 260 °C	M90           M100           ISO Thread           M12           M16           M20           M25           M32           M40           M50           M63           M75           M80           M80           M100           ISO Thread           M100	20 Thickness 200 200 200 200 200 200 200 2	112.0       Thickmess       1.50	13.5 Outside Diameter 24.0 25.0 29.4 38.1 42.5 52.0 65.0 90.5 104.8 104.8 114.3 114.3 114.3 20.5 25.5	13.800 Weight (Kgs/100) 0.079 0.116 0.044 0.257 0.341 0.386 0.594 0.594 0.698 0.698 0.698 0.698 0.913 0.512 (Kgs/100) 0.512 (Kgs/100)	BSPP/1	Thickness Nylon 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Thickness           1.50	Outside Diameter           30.0           38.0           46.3           55.5           60.7           90.5           114.3           114.3           146.0           48 and request           Nominal O/D           35.5           43.5
b	IP WASE In order 1 IP54, was entry into Fibre Nylon PTFE Colour Fibre Nylon PTFE SERRAT Serrated device to and lock as an ear	HERS to maintain the i shers are recommerface. Order Code Exam ACFSW/M20 ACPSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof p prevent the cat nut arrangemen the enhancing de	ntegrity of an end mended to be ins nple Temperatu -40°C to +4 -200°C to -1 -200°C to -1 NPT = Red NPT = White NPT = White "washers act as a ole gland or other t from loosening. wice on painted e	closure greater than talled at the gland re 95 °C 35 °C -260 °C	M90 M100 M100 M12 M12 M16 M20 M25 M32 M32 M32 M32 M32 M32 M32 M32 M32 M32	20 Thickness 200 200 200 200 200 200 200 200 200 2	112.0 Thickmess 1.50	13.5 Outside Diameter 24.0 29.4 38.1 42.5 52.0 65.0 65.0 79.4 90.5 104.8 104.8 104.8 114.3 114.3 114.3	13.800 Weight (Kgs/100) 0.079 0.016 0.164 0.257 0.341 0.384 0.594 0.594 0.688 0.839 0.698 0.913 0.512 Weight (Kgs/100) 0.137 0.262 0.560	BSPP/1	Thickness Nylon 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Thickness           1.50           1.51           1.5           1.5           1.5	Outside Diameter           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Nominal O/D           35.5           43.5           52.0
ppers 2	IP WASE In order 1 IP54, was entry into Fibre Nylon PTFE Colour Fibre Nylon PTFE SERRAT Serrated device to and lock as an ear	HERS to maintain the i shers are recoming reface. Order Code Exam ACFSW/M20 ACPSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof p prevent the cat nut arrangemen	ntegrity of an end mended to be ins nple Temperatu -40°C to +4 -200°C to -1 -200°C to -1 NPT = Red NPT = White NPT = White "washers act as a ole gland or other t from loosening. wice on painted e	closure greater than talled at the gland re 55 °C 35 °C 260 °C	M90 M100 M100 M12 M12 M16 M20 M25 M32 M40 M50 M63 M75 M80 M63 M75 M80 M63 M75 M80 M63 M75 M80 M63 M100 M12 M12 M12	20 Thickness 200 200 200 200 200 200 200 2	112.0 Thickess 1.50 1	13.5 Outside Diameter 24.0 25.0 29.4 38.1 42.5 65.0 65.0 65.0 90.5 104.8 104.8 104.8 114.3 114.3 20.25 22.5 32.5 32.5	13.800 Weight (Kgs/100) 0.079 0.116 0.257 0.341 0.286 0.594 0.594 0.594 0.698 0.698 0.913 0.512 (Kgs/100) 0.512 0.522 0.512 0.522 0.512 0.522 0.512 0.522 0.512 0.522 0.522 0.512 0.522 0.522 0.522 0.512 0.52 0.522	BSPP/1	SSPT are available           Thickness           Nylon           2.0	Thickness           Fibre           1.50           1.51           1.5           1.5           1.5           1.5           1.5	Outside Diameter           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Nonpol           35.5           43.5           52.0           59.5
appers	IP WASE In order 1 IP54, was entry into Fibre Nylon PTFE Colour Fibre Nylon PTFE SERRAT Serrated device to and lock as an ear	HERS to maintain the i shers are recome erface. Order Code Exan ACFSW/M20 ACPSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof or prevent the cal nut arrangemen th enhancing de lable in stainless	ntegrity of an en mended to be ins <b>nple Temperatu</b> -40°C to +6 -40°C to +1 -200°C to -1 -200°C to -1 NPT = Red NPT = White NPT = White NPT = White '' washers act as i ole gland or other t from loosening. vice on painted entered	closure greater than talled at the gland re 55 °C 35 °C •260 °C	M90           M100           SO Thread           M12           M12           M12           M12           M12           M10           M20           M25           M32           M30           M63           M75           M80           M85           M90           M100           Sto Thread           M12           M12           M12           M100	20 Thickess 200 200 200 200 200 200 200 2	112.0 Thickmess 1.50	13.5 Outside 24.0 25.0 29.4 38.1 42.5 52.0 65.0 79.4 90.5 104.8 104.8 104.8 104.8 104.8 20.2 25.5 32.5 32.5 48.0	13.800 Weight (Kgs/100) 0.079 0.116 0.64 0.257 0.341 0.542 0.594 0.594 0.594 0.593 0.593 0.593 0.593 0.512 0.552 0.552 0.552 0.552 0.552 0.552 0.552 0.552 0.552 0.552 0.552 0.555 0.552 0.555 0.55	BSPP/1	Thickness Nylon 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Thickness           Fibre           1.50           1.51           1.5           1.5           1.5           1.5           1.5           1.5	Outside Diameter           30.0           30.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Nominal O/D           35.5           52.0           59.5           71.0
Peppers	IP WASH In order 1 IP54, was entry intr Nylon PTFE Colour Fibre Nylon PTFE Serrated device tc and locki as an ear only avai	HERS to maintain the is shers are recomin erface. Order Code Exan ACFSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof or prevent the cat nut arrangemen th enhancing de lable in stainless	ntegrity of an en mended to be ins -40°C to +1 -200°C to +1 -200°C to -1 NPT = Red NPT = White NPT = White NPT = White NPT = White Steel and or other t from loosening. vice on painted e steel.	closure greater than talled at the gland re 55 °C 35 °C •260 °C	M90           M100           SO Thread           M12           M12           M12           M16           M20           M25           M32           M40           M50           M63           M75           M80           M85           M90           M100           Sto Thread           M12           M16           M20           M100	20 This Sub 200 200 200 200 200 200 200 20	112.0 Thickmess 1.50	13.5 Outside 24.0 25.0 29.4 38.1 42.5 20.7 40.7 40.7 104.8 10	13.800 (Kgs/100) 0.079 0.116 0.54 0.257 0.341 0.386 0.594 0.794 0.794 0.698 0.933 0.698 0.933 0.698 0.933 0.512 0.525 0.137 0.262 0.560 0.675 1.042 1.730	BSPP/1	Thickness Nylon 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Thickness           150           151           15           15           15           15           15           15           15           15           15           15           15           15           15           15           15	Cutside Diameter 30.0 38.0 46.3 55.5 60.0 79.4 90.5 114.3 11
Peppers	IP WASE In order 1 IP54, was entry into Fibre Nylon PTFE Colour Fibre Nylon PTFE SERRAT Serrated device to and lock as an ear	HERS to maintain the is shers are recomin erface. Order Code Exan ACFSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof or prevent the cat nut arrangemen th enhancing de lable in stainless	ntegrity of an en mended to be ins <b>nple Temperatu</b> -40°C to +6 -40°C to +1 -200°C to -1 -200°C to -1 NPT = Red NPT = White NPT = White NPT = White '' washers act as i ole gland or other t from loosening. vice on painted entered	closure greater than talled at the gland re 55 °C 35 °C •260 °C	M90           M100           SO Thread Dia           M12           M16           M20           M25           M32           M32           M32           M33           M50           M63           M75           M80           M80           M100           SO Thread           M100           SO Thread           M12           M16           M20           M32           M40           M50	2.0 Thickness 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	112.0 Thickmess 1.50	13.5 Outside 24.0 25.0 29.4 38.1 42.5 52.0 7.9,4 9.05 104.8 104.8 104.8 104.8 114.3 104.8 1	13.800 (Kgs/100) 0.079 0.116 0.164 0.257 0.341 0.386 0.594 0.594 0.698 0.698 0.698 0.698 0.698 0.698 0.512 0.698 0.512 0.520 0.520 0.520 0.377 0.262 0.560 0.350 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.052 1.042 1.042 1.052 1.042 1.055 1.052 1.05	BSPP/1	Thickness Nylon 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Thickness           1.50           1.51           1.5           1.5           1.5           1.5           1.5           1.5           1.5           1.5           1.5           1.5           1.5           1.5	Outside Diameter           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Nominal O/D           35.5           43.5           52.0           59.5           71.0           87.0           102.0
eppers SD	IP WASH In order 1 IP54, was entry intr Nylon PTFE Colour Fibre Nylon PTFE Serrated device tc and locki as an ear only avai	HERS to maintain the is shers are recomin erface. Order Code Exan ACFSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof or prevent the cat nut arrangemen th enhancing de lable in stainless	ntegrity of an en mended to be ins -40°C to +1 -200°C to +1 -200°C to -1 NPT = Red NPT = White NPT = White NPT = White NPT = White Steel and or other t from loosening. vice on painted e steel.	closure greater than talled at the gland re 55 °C 35 °C •260 °C	M90           M100           SO Thread           M12           M16           M20           M25           M32           M40           M50           M63           M75           M80           M85           M90           M100           Sto Thread           M12           M10           M10	20 Thickness 2.00 2.	112.0 Thickmess 1.50	13.5 Outside 24.0 29.4 38.1 42.5 6.6 79.4 90.5 104.8 104.8 114.3 104.3 104.8 20.2 5.5 104.8 114.3 104.8 114.3	13.800 Weight (Kgs/100) 0.079 0.016 0.257 0.341 0.380 0.594 0.683 0.933 0.512 0.675 0.137 0.262 0.560 0.675 1.022 1.730 2.154 3.259	BSPP/1	Thickness Nylon 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Thickness           I.SO           I.SO	Outside Diamete           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Nominal O/D           35.5           43.5           52.0           59.5           71.0           87.0           102.0           125.0
Peppers Peppers	IP WASH In order 1 IP54, was entry intr Nylon PTFE Colour Fibre Nylon PTFE Serrated device tc and locki as an ear only avai	HERS to maintain the is shers are recomin erface. Order Code Exan ACFSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof or prevent the cat nut arrangemen th enhancing de lable in stainless	ntegrity of an en mended to be ins -40°C to +1 -200°C to +1 -200°C to -1 NPT = Red NPT = White NPT = White NPT = White NPT = White Steel and or other t from loosening. vice on painted e steel.	closure greater than talled at the gland re 55 °C 35 °C •260 °C	M90 M100 M100 M12 M12 M16 M20 M25 M32 M32 M40 M63 M50 M63 M50 M85 M80 M85 M80 M85 M80 M85 M80 M100 M12 M12 M12 M12 M12 M12 M12 M12 M12 M32 M32 M32 M32 M32 M32 M32 M32 M32 M3	20 Thickness 200 200 200 200 200 200 200 2	T12.0      Thickess      I.50       I.50	13.5 Outside 24.0 29.4 29.4 38.1 42.5 52.0 65.0 79.4 90.5 104.8 104	13.800 Weight (Kgs/100) 0.079 0.116 0.257 0.341 0.286 0.594 0.594 0.698 0.439 0.698 0.698 0.913 0.698 0.913 0.512 0.512 0.512 0.512 0.371 0.252 0.371 0.252 0.357 1.042 1.700 1.042 1.700 1.701 1.701 1.525 1.042 1.701 1.525 1.042 1.701 1.525 1.042 1.701 1.525 1.042 1.555 1.042 1.555 1.5	BSPP/1	BSPT are ava           Thickness           2.0	Thickness           1.50           1.51           1.5	Outside Diameter           30.0           30.0           30.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Nominal 075.5           43.5           52.0           59.5           71.0           80.0           102.0           125.0           140.0
	IP WASS In order 1 IP54, wa: entry intr Fibre Nylon PTFE Colour Fibre Nylon PTFE Serrated device tc and lock as an ear only avai	HERS to maintain the is shers are recomin erface. Order Code Exan ACFSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof or prevent the cat nut arrangemen th enhancing de lable in stainless	ntegrity of an enomended to be ins nple Temperatu -40°C to +1 -200°C to -1 -200°C to -1 NPT = Red NPT = White NPT = White " washers act as a ole gland or other throm loosening. wice on painted of steel. Order Code Examp ACSSW/M20	closure greater than talled at the gland re 55 °C 35 °C •260 °C	M90           M100           M10           M10           M10           M10           M12           M12           M16           M20           M25           M32           M40           M63           M90           M100           Stot Thread           M100           Stot Thread           M100           M100           M12           M16           M20           M12           M16           M20           M12           M16           M20           M12           M16           M20           M25           M32           M40           M53           M75           M80	20 Thick 200 200 200 200 200 200 200 20	T12.0      Thickess      I.50       I.50	13.5 Outside 24.0 25.0 29.4 381 42.5 52.0 65.0 79.4 90.5 104.8 104.8 104.8 114.3 20.25 25.5 32.5	13.800 Weight (Kgs/100) 0.079 0.116 0.257 0.341 0.542 0.594 0.594 0.594 0.592 0.592 0.512 0.5	BSPP/1	BSPT are ava           Thickness           2.0	Thickness           I.SO           I.SO	Outside Diamete           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Nominal O/D           35.5           43.5           52.0           59.6           71.0           87.0           102.0           125.0
	IP WASS In order 1 IP54, wa: entry intr Fibre Nylon PTFE Colour Fibre Nylon PTFE Serrated device tc and lock as an ear only avai	HERS to maintain the i shers are recommerface. Order Code Exam ACFSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof p prevent the cat nut arrangement th enhancing de lable in stainless	ntegrity of an enomended to be ins nple Temperatu -40°C to +1 -200°C to -1 -200°C to -1 NPT = Red NPT = White NPT = White " washers act as a ole gland or other throm loosening. wice on painted of steel. Order Code Examp ACSSW/M20	closure greater than talled at the gland re 55 °C 35 °C •260 °C	M90           M100           M10           M10           M10           M12           M12           M12           M10           M20           M25           M32           M30           M63           M75           M80           M100           M20           M20           M20           M20           M50           M50           M50           M80           M80	20 Thickess 200 200 200 200 200 200 200 2	T12.0      Thickerss      I.50	13.5 Outside 24.0 25.0 29.4 38.1 42.5 65.0 79.4 90.5 104.8 104.8 104.8 104.8 104.8 20.2 25.5 32.5	13.800 (Kgs/100) 0.079 0.116 0.257 0.341 0.254 0.384 0.394 0.592 0.592 0.698 0.698 0.512 0.512 0.512 0.502 0.137 0.222 0.502 0.137 0.222 0.502 1.042 1.730 2.154 1.042 1.730 2.154 1.042 1.730 2.154 1.042 1.730 2.154 1.042 1.730 2.154 1.042 1.04	BSPP/1	BSPT are available           Thickness           Nylon           2.0	Thickness           Fibre           1.50           1.51           1.5	Outside Diameter           30.0           30.0           30.0           30.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Noncolation           35.5           32.5           52.0           59.5           71.0           87.0           125.0           140.0
	IP WASS In order 1 IP54, wa: entry intr Fibre Nylon PTFE Colour Fibre Nylon PTFE Serrated device tc and lock as an ear only avai	HERS to maintain the i shers are recommerface. Order Code Exam ACFSW/M20 ACNSW/M20 ACPSW/M20 Metric = Red Metric = Red Metric = White ED WASHERS or "shake proof p prevent the cat nut arrangement th enhancing de lable in stainless	ntegrity of an enomended to be ins nple Temperatu -40°C to +1 -200°C to -1 -200°C to -1 NPT = Red NPT = White NPT = White " washers act as a ole gland or other throm loosening. wice on painted of steel. Order Code Examp ACSSW/M20	closure greater than talled at the gland re 55 °C 35 °C •260 °C	M90           M100           M10           M10           M10           M10           M12           M16           M20           M25           M32           M40           M63           M75           M80           M85           M90           M100           Stot Thread           M100           M100           M12           M16           M20           M12           M16           M20           M12           M16           M20           M12           M16           M20           M25           M32           M40           M53           M75           M80	20 Thick 200 200 200 200 200 200 200 20	T12.0      Thickmess     I.50     II.50     II.50     III.50     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	13.5 Outside 24.0 25.0 29.4 381 42.5 52.0 65.0 79.4 90.5 104.8 104.8 104.8 114.3 20.25 25.5 32.5	13.800 Weight (Kgs/100) 0.079 0.116 0.257 0.341 0.542 0.594 0.594 0.594 0.592 0.592 0.512 0.5	BSPP/1	BSPT are available           Thickness           Nylon           2.0	Thickness           1.50           1.51           1.5	Outside Diameter           30.0           30.0           38.0           46.3           55.5           60.0           79.4           90.5           114.3           146.0           48 and request           Nominal O/D           35.5           52.0           59.5           71.0           87.0           125.0           140.0



**O-RINGS** Please note: IP flat washers and o-rings cannot be used in conjunction with one another. O-rings fitted on glands as standard can be removed and replaced by a flat washer if required. O-rings procured from other sources and fitted to Peppers glands will invalidate the IP certification.

Peppers Item Reference	Seal Material	Code	Temperature
ORN	Nitrile	1	-30°C to + 100 °C
ORS	Silicone	3	-60°C to + 200 °C



## SHROUDS

Peppers manufacture a range of shrouds in various materials to complement our complete range of glands. Materials available are Polyvinylchloride (PVC), Polychloroprene (PCP) & Low Smoke Halogen Free Silicone (LSOH). Please note that the shrouds are manufactured to fit our glands and will not necessarily fit other manufacturer's products.

The shroud sizes are detailed on each of the product pages. Please note where glands have a larger than standard entry thread the standard shroud will not fit over the gland hexagon body section.

	Order Code Example	Temperature
PVC	ACNPVC/L24	-25°C to +70 °C
PCP	ACSPCP/L24	-30°C to +100 °C
LSOH	ACSSIO/L24	-60°C to +200 °C