



Deck Fairleads

How big should fairleads be? About 2½% of the boat length is a good start point.

The lipped ones are very neat, but be sure that the fasteners are far enough inboard to be strong. You may be better off with a normal pattern mounted inboard and a bit of keelband (page 46) to protect the deck edge.



	3"	4"	5"	6"	7"	8"	10"
Galvanised		HL-0131	HL-0132	HL-0133		HL-0134	HL-0135
Gunmetal	HL-0155	HL-0156	HL-0157	HL-0158	HL-0161	HL-0159	HL-0160

Handed



Galvanised		HL-0136	HL-0137	HL-0138		HL-0139	HL-0140
Gunmetal		HL-0146	HL-0147	HL-0148		HL-0149	HL-0150

Straight Lipped



Gunmetal		HL-0176		HL-0177		HL-0178	
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Handed Lipped



Gunmetal		HL-0181		HL-0182		HL-0183	
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Handed Lipped Lockover



Gunmetal		HL-0186		HL-0187	HL-0188	HL-0189	
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Closed



Gunmetal		HL-0171		HL-0172		HL-0173	
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Style "A"

Bulwark Fairleads - bronze

Type	Hole width	Hole depth	Spigot Depth	Part Number
Oval - "A"	1¾"	1"	½"	HL-0848
Oval - "A"	2½"	1½"	¾"	HL-0849
Oval - "B"	3¾"	1½"	2"	HL-0850
Oval - "B"	4"	1⅞"	3"	HL-0851
Oval - "C"	2¾"	1¾"	¾"	HL-0852
Oval - "C"	3½"	2"	1¼"	HL-0853
Sunken	3"	1¼"	1" wide	HL-0165



Style "B"



Style "C"

Sunken Fairlead

Flagstaff Sockets



Diameter	5/8"	¾"	1"	1¼"	1½"
Straight	HL-0631	HL-0632	HL-0633	HL-0634	
Raked		HL-0637	HL-0638	HL-0639	



Raked with Button & Cleat

	HL-0642	HL-0643	HL-0644		
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Bronze T-track & slides

Available in lengths of up to 7ft / 2m. It comes pre-drilled with holes at 4" (102 mm) centres.



Width	Track	End Stops	Slide - Plain	Slide - Roller
1"	RG-2023	RG-2028	RG-2030	RG-2035
1¼"	RG-2024	RG-2029	RG-2031	RG-2036





Pillar cleats - metal

Length	3"	4"	5"	6"	8"	10"	12"
Bronze	HL-0029	HL-0030	HL-0031	HL-0032	HL-0033	HL-0034	-
Galvanised	-	HL-0060	-	HL-0061	HL-0062	HL-0063	-



Pillar Cleats

Please note that the bronze pillar cleats up to and including 6" length do not have the hole in the pillar (as shown in the lower illustration)

Pillar cleats - wood

Teak	-	-	-	HL-0035	HL-0036	HL-0037	HL-0038
Ash	-	HL-1033	HL-1034	HL-1035	HL-1036	HL-1037	HL-1038



"Open" Pillar Cleat

Open base cleats - bronze

Length	4"	5"	6"	8"	10"	12"	15"
"Yacht" Style	-	-	HL-1010	HL-1011	HL-1012	HL-1013	-
"Boat" Style	HL-1060	HL-1061	HL-1062	HL-1063	HL-1064	HL-1065	-
"Clyde" Style	-	-	-	-	HL-0047	HL-0048	HL-0049



Teak above, ash below



Clyde Cleat bases are priced per pair, and do not include the teak bar. The lengths given can be varied to suit.

Halyard Cleats - Brass

Horn cleat	70 mm	HL-0073	100 mm	HL-0074
Flag cleat	50 mm	HL-0071		



Horn cleat



Flag cleat



Yacht style above, Boat style below

Bollard cleats - Gunmetal

Length	4"	5"	6"
Part No	HL-1041	HL-1042	HL-1043



Jamb cleats - Gunmetal

Mounted at 45 degrees (tail first) to the direction of the line, the rope is taken around the "hook" and dropped below the tail, jamming between the tail and the surface on which the cleat is mounted. They are perfect for sheets; just don't sit on them!

Rope size	6mm	8mm	10mm	12mm
Length	3"	4"	5.5"	7.5"
Part No	HL-0042	HL-0043	HL-0044	HL-0045



Clyde cleat



Tube cleats - Brass, straight

One of the earlier forms of jam cleat and still within limits very useful. They grip the rope fine - like most preferring braided to 3-strand - but do tend to re-grip it when you want to run the rope out. Probably therefore best used for rudder up/downhauls, centreplate hoist, and other lines where it doesn't matter too much if the rope snags or has to be fed out by hand.

Rope size	6mm	10mm
Part No	HL-0095	HL-0096



Tube Cleats - Bronze, handed

Rope size	10 mm	12 mm
Part No	HL-0098	HL-0099



Cam cleats - Tufnol

Very handy for quickly cleating a rope. They work better on braided line than 3-strand. If the rope begins to slip, sharpen the cams with a chisel.

Size	10mm (plain)	10mm (fairlead)	12/14mm
	HL-0081	HL-0086	HL-0082



For sizing cleats, try this as a start point:

Main mooring cleats, 3 to 4% of boat length

Spring cleats - 2 to 3% of boat length

Halyard cleats 15 to 20 times the rope diameter

Jamming cleats (any type) the right size for the line used.



Sheet Leads

Bronze U-bolts with lignum vitae eyes



U-Bolt type

Part No	Bore (mm)	Bolt length (mm)	Centres (mm)	Strap dia
HL-0110	16	38	40	5/16
HL-0111	16	76	40	5/16
HL-0112	16	115	40	5/16
HL-0113	20	76	45	3/8
HL-0114	20	115	45	3/8
HL-0115	24	76	55	1/2
HL-0116	24	115	55	1/2

Screw-down Sheet leads - Bronze



Coaming Leads Single & double

Bore (mm)	Strap	Lead	Part No
12	Brass	Lignum Vitae	HL-0821
16	Brass	Lignum Vitae	HL-0824



Coaming Leads - Bronze (shown left)



Max Rope	Type	Coaming Thickness	Size Overall	Part No
8 mm	Single	1/2"	2 3/4" x 1 5/8"	HL-0836
8 mm	Double	1/2"	4" x 1 9/16"	HL-0837
10 mm	Single	5/8"	3 7/16" x 2"	HL-0838
10 mm	Double	5/8"	5" x 2"	HL-0839

All Metal Sheet Leads - Bronze (shown below)



Bonnet fairlead & deckplate

Type	Jibsheet din-	Jibsheet dayboat	Thru deck	Deck lead	Bonnet
Bore (mm)	25 x 12	35 x 16		12 x 12	
Part No	HL-0123	HL-0122	HL-0831	HL-0832	HL-0833



Bonnet Fairleads & Plates

Thread	1/2"	5/8"	3/4"	7/8"	1"
Plate Diameter	2 1/8"	2 3/4"	3 1/2"	3 3/4"	3 1/2"
Depth	1 1/2"	1 3/4"	2 1/4"	2 1/2"	3"
Part No (plate)	HL-0190	HL-0191	HL-0192	HL-0193	HL-0194
Part No (bonnet)			HL-0202	HL-0203	HL-0204
Part No (eye)	HL-0210	HL-0211	HL-0212	HL-0213	HL-0214

Bronze Eyeplates



Type A



Type B



Type C



Type D

Oblong	A	B	B	B
Length	1 3/8"	3"	3 1/2"	4"
Width	1 3/4"	7/8"	1 5/16"	1 1/2"
Part No	HL-0515	HL-0507	HL-0508	HL-0509
Diamond	C	D	D	D
Length	1"	3 1/4"	3 1/2"	4"
Width	1"	2"	2 5/16"	2 1/2"
Part No	HL-0514	HL-0517	HL-0518	HL-0519



Rowlocks & Sockets

Gunmetal

Style	Gate	Stem Dia	Rowlock	Top Socket	Side Socket
Uneven Top	2"	1/2"	HL-0001	HL-0002	HL-0003
Uneven Top	2 1/2"	5/8"	HL-0020	HL-0023	HL-0022
Square Pattern	2 1/2"	5/8"	HL-0021	HL-0023	HL-0022



Uneven Top Rowlock



Side Socket

Galvanised

Style	Gate	Stem Dia	Rowlock	Top Socket	Side Socket
Uneven Top	2"	3/8"	HL-0004	HL-0010	HL-0015
Uneven Top	2 1/4"	7/16"	HL-0005	HL-0011	HL-0016
Uneven Top	2 1/2"	1/2"	HL-0006	HL-0012	HL-0017



Captive Rowlock - Turnover

Captive Rowlocks

Galvanised	Turnover	2" x 3/8"	HL-0018
Gunmetal	Twist & Drop	2" x 1/2"	HL-0025



Captive Rowlock - Twist & drop

Please note: HL-0025 are not recommended for craft greater than 12 ft length.

Boat-hooks & Staves

	Boat-hooks		Single & Spike		Double	
	Length	Pole Dia	Galvanised	Gunmetal	Galvanised	Gunmetal
	6"	1 1/4"	HL-0656 (1 1/8" stave)	HL-0652	HL-0654	HL-0650
	8"	1 1/2"	HL-0657	HL-0653	HL-0655	HL-0651
Staves	Ash	1 1/8" x 6 ft	HL-0660	1 1/4" x 8ft	HL-0665	
	Ash	1 1/4" x 6 ft	HL-0661	1 1/2" x 8ft	HL-0666	



Single & Spike Boathook

Double Boathook

Grabit Boathook - HL-0659

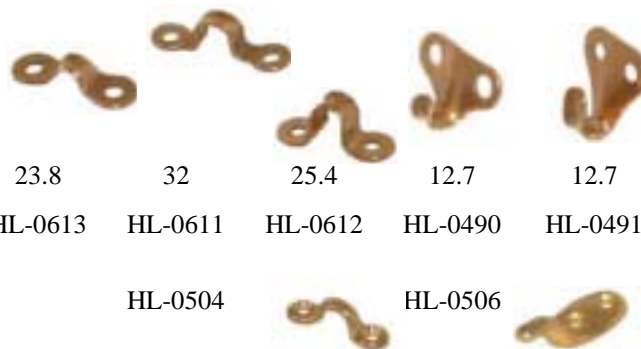
The original, and still the best boathook for attaching a line to a mooring buoy or ring. Cast in aluminium bronze, one sweep with the grabit leaves the boat secure whilst a permanent mooring is attached. Well, maybe two sweeps if you are having a bad day.



Grabit Boathook

Lacing Hooks & Eyes - bronze & brass

	Lacing eye	Deck eye	Deck clip	Lacing hook	Reefing hook
Hole Centres	23.8	32	25.4	12.7	12.7
Part No (Bronze)	HL-0613	HL-0611	HL-0612	HL-0490	HL-0491
Part No (Brass)		HL-0504		HL-0506	





Bronze Winches

What is good about LVJ winches?

- they are a good blend of engineering and aesthetics - all external parts are bronze

- As well as the “normal” plain and self-tailing winches, the range also includes wire winches in bronze - see next page.

- they are good value, particularly the self-tailers



LVJ bronze winches - plain

Single speed

Type	Part Number	Height	Drum Dia	Base Dia	Power ratio
8	HL-1210	80	61	84	8.5:1
10	HL-1211	100	65	98	8.5:1

Two speed

Type	Part Number	Height	Drum Dia	Base Dia	Power ratios
25	HL-1212	125	76	132	6.8:1 / 25.0:1
40	HL-1213	170	90	175	5.6:1 / 42:1

Three speed

70	HL-1214	240	110	220	4.6:1 / 10.5:1/50:1
140	HL-1215	275	150	290	3.4:1 / 20:1/70:1



LVJ bronze winches - self tailing

Single speed

Type	Part Number	Max Line Dia (mm)	Height (mm)	Drum Dia (mm)	Base Dia (mm)	Power ratio
10S	HL-1220	8	140	67	110	17:1

Two speed

Type	Part Number (all bronze)	Max Line Dia (mm)	Height	Drum Dia	Base Dia	Power ratio
26S	HL-1222	10- 12	170	65	115	10.6:1 / 16.4:1
31S	HL-1223	12	180	76	142	6.5:1 / 25:1
41S	HL-1224	14	220	90	175	5.6:1 / 42:1
51S	HL-1225	16	250	100	200	10:1 / 50:1
71S	HL-1226	18	295	110	220	10.5:1 / 51:1
141S	HL-1227	25	330	150	290	20:1 / 70:1



LVJ Wire winches

Type	Part Number	Wire Capacity	Height (mm)	Drum Dia (mm)	Base Dia (mm)	Gearing
EWLK	HL-1235	15m @ 3mm	82	45	85 x 150	direct
EWLP	HL-1236	17m @ 5mm	115	60	120 x 200	direct
DWL3	HL-1240	36m @ 5mm	175	75	140 x 210	3:1
DWL5	HL-1241	20m @ 7mm	175	75	140 x 210	5:1
HW30	HL-1230	20m @ 3mm	105	50	105	direct
HW50	HL-1231	20m @ 5mm	145	60	145	direct
HW80	HL-1232	30m @ 8mm	190	80	190	1:1 & 4:1



LVJ EWLK wire winch



LVJ DWL3/5 wire winch



LVJ HW50 wire winch

Winch Selection Guide

Mainsail Area (ft ² / m ²)	120/11	150/14	180/17	210/20	250/23	325/30	750/70
Genoa Area (ft ² / m ²)	200/19	300/28	350/33	470/44	575/53	825/77	1500/139
Boat Length (ft/ m)	23/7	27/8	30/9	34/10	38/12	45/14	52/16

LVJ Winches

Main Halyard	8	8	10	10	25/26	31/40	40/41
Genoa Halyard	8	8/10	25	25/26	31/40/41	40/41/51	51
Genoa Sheets	8/10	10/26	25/26	31/40	40/41/51	51/70/71	70/71
Spi. Sheets etc	8	10	10	25/26	31/40	40/41/51	51/70/71
Outhaul/Reefing	8	8	8	10	10	25/26	40/41

Murray Winches - (see page 28)

Main Halyard	-	1	1	1/4	4/5	4/5	5
Genoa Halyard	-	1	4	4	4/5	5	5/6
Genoa Sheets	1	4/5	4/5	5/8	5/8	8	8
Spi. Sheets etc	-	1	1	1/4	4/5	5	5/6
Outhaul/Reefing	-	-	-	1	1/4	4	4/5

Please note that the above figures are provided as an initial guide only



Murray bronze winches

Murray winches, developed in New Zealand for cruising boats, are bottom-action winches of massive but simple construction. Particular features include:

- the direction of rotation is easily reversible by flipping over the springs and pawls
- the drum is shaped to avoid riding turns
- they incorporate a top cleat (except 1 and 1H), which acts as a self-tailer for small adjustments
- ease of servicing, a screwdriver only being needed
- base mounted fairleads and winch stands are available for size 4 & 5 winches

Designation	Part Number	Max Rope dia. (mm)	Height (mm)	Drum Dia (mm)	Base Dia (mm)	Power ratio	
Mini	1	HL-1071	10	73	62	105	10.0:1
Mini	1C	HL-1072	10	94	62	105	10.0:1
Mini	1H	HL-1073	10	73	62	165 x 105	10.0:1
Mini	1CH	HL-1074	10	94	62	165 x 105	10.0:1
Minor	4	HL-1075	10	111	76	140	9.7:1
Murray	5	HL-1076	16	133	83	140	9.4:1
Massive	6	HL-1077	18	140	108	178	9.0:1
Major	8	HL-1078	18	168	108	200 x 168	9.0:1 / 40.0:1

All Murray winches come complete with a lock-in bronze handle

The “Mini” is available in two base versions - flat round base or a hinged base to ease fitting to a curved spar (suffix “H”). Either version is available with a top cleat (suffix “C” or “CH”).



Spares for Murray winches

Item	Part No	Application	Length	Material	Application	Lock-in?	Part Number
7” Winch Base	HL-1090	MW 4/5	185mm	Bronze	Universal	Yes	HL-1110
9” Winch Base	HL-1091	MW 4/5	245mm	Bronze	Universal	Yes	HL-1111
Pawl	HL-1080	MW 1	285mm	Bronze	Universal	Yes	HL-1112
Spring	HL-1081	MW 1	10”	Bronze	Universal	Yes	HL-1119
Pawl	HL-1084	MW 4/5/6/8	180mm	Bronze	for EWLK	Yes	HL-1115
Spring	HL-1085	MW 4/5/6/8	200mm	Bronze	for EWLP	Yes	HL-1116
			185mm	Bronze	for DWL	No	HL-1117

Winch handles



Prismatic Decklights

Melon

These have to be the most spectacular version of prismatic decklights. But please be careful to ensure that there is no chance of anyone cracking their head on them.



Round

If you are short of headroom, these are the ones. Unless you need clear vision, these are also much better fitted to hatches than deadlights.



Bulls eye

Please make sure to fit them as shown, flat face uppermost. Otherwise you may start a fire in the boat.



Diameter	7¾"	Diameter	4¾"	5½"	8"	6"	8"
Depth	5½"	Depth	¾"	1"	1"	1"	1"
Part No	CB-0194	Part No	CB-0191	CB-0192	CB-0193	CB-0188	CB-0189

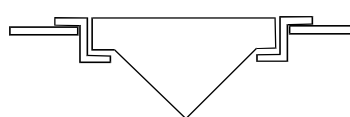
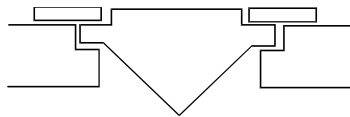
Rabbed



Deep Frame



Length	9"	10"	12½"	9"	10"	12"
Width	3"	3½"	4½"	3"	3½"	4"
Part No.	CB-0199	CB-0200	CB-0201	CB-0195	CB-0196	CB-0197



As shown in the above illustration, the "rabbed" decklights are designed to be fitted into a thick wooden deck - about 25mm minimum. The "deep frame" design is for fitting into thinner decks - eg steel - or into GRP sandwich construction.

Chain Pipes

Please remember to mount them with the flap facing aft.

Inside Diameter	1½"	1¾"	2"	2½"	3"
Chain Size	¼" 6mm	5/16" 8mm	3/8" 9.5mm	7/16" 11mm	9/16" 14mm
Galvanised	HL-0598	HL-0597	HL-0599	HL-0600	HL-0601
Gunmetal	HL-0592	HL-0591	HL-0593	HL-0594	HL-0595



Anchor Accessories

Bronze Anchor Cable Shackle

Takes "Angel" weight

HL-1205

Bronze Anchor Chocks

For CQR anchors up to 35 lb

HL-0581



Anchor cable shackle

Chock set



Rudder Gear - (pintles have pins and gudgeons have holes!)

The range of gunmetal fittings that we show on these two pages has been developed partly to suit stock designs, and also in response to individual needs. If what you require isn't here then - assuming your specification is reasonably "normal" - we will generally subsume the costs of patternmaking and add another piece to the range.

In broad terms we group the sets into "series" as follows:

- Series 1 - for boats up to about 12ft (4m) in length
- Series 2 - for boats from 10 to 20 ft (3 to 6 m)
- Series 3 - for boats from 16 to 25 ft (5 to 8 m)
- Series 4 - for boats up to about 35 ft (11 m) or so.

Within a series, you can mix and match to your heart's content, and for series 2, 3 & 4, you can specify a larger pin diameter. We supply rudder straps without fastening holes, since some need to match existing fasteners, others through-bolt, yet more use screws etc. etc.

For very light craft, such as sailing canoes, we tend to make up "ultra-lightweight" sets in bronze. These are always fabricated on a one-off basis. At the other end of the scale, we also have some patterns for larger craft up to 50 ft (15m)



Horizontal



Vertical



4 - Hole



3 - Hole

Key to tables

- A Width
- B Depth
- C Pin Offset

Transom fittings - bronze

Series 1

	Width	Depth	Pin offset	Pin dia (inch)	Gudgeon Part No	Pintle Part No
Horizontal	2 ¹ / ₈ "	3/4"	5/8"	3/8"	HL-2120	HL-2150
3 - Hole	2 ³ / ₄ "	1 ³ / ₄ "	5/8"	3/8"	HL-2122	HL-2152

Series 2

Horizontal	2 ³ / ₄ "	7/8"	3/4"	3/8"	HL-2220	HL-2250
4 - Hole	2 ¹ / ₄ "	1 ³ / ₄ "	3/4"	3/8"	HL-2226	HL-2256
Vertical	7/8"	2 ³ / ₄ "	3/4"	3/8"	HL-2222	-
3 - Hole	3 ¹ / ₈ "	2 ¹ / ₈ "	3/4"	3/8"	HL-2224	HL-2254

Series 3

Horizontal	3 ¹ / ₄ "	1 ¹ / ₄ "	1"	1/2"	HL-2320	HL-2350
4 - Hole	3 ¹ / ₄ "	2"	1"	1/2"	HL-2324	HL-2354
Vertical	1 ¹ / ₄ "	3 ¹ / ₄ "	1"	1/2"	HL-2322	-

Series 4

Horizontal	5 ¹ / ₈ "	1 ¹ / ₂ "	1 ¹ / ₈ "	3/4"	HL-2420	HL-2450
4-Hole	5 ¹ / ₈ "	2 ⁵ / ₈ "	1 ¹ / ₈ "	3/4"	HL-2422	HL-2452

Pin upgrades - bronze

	From	to	Part No.
Series 2	3/8"	1/2"	HL-2260
Series 3	1/2"	5/8"	HL-2360
Series 4	3/4"	7/8"	HL-2460

Finally, if you need a smart rudder head in bronze, we can quote against a sketch or pattern.

Hole upgrades are free of charge!



Rudder Straps - Series 1

A (inch)	B (inch)	C (inch)	Pin dia (inch)	Gudgeon Part No	Pintle Part No
3/4"	4	3/4"	3/8"	HL-2100	HL-2130
1	4	3/4"	3/8"	HL-2102	HL-2132
1 1/2"	4	3/4"	3/8"	HL-2104	HL-2134
2	5	3/4"	3/8"	HL-2106	HL-2136
2	6	3/4"	3/8"	HL-2108	(cranked)

Rudder Gear

Key to tables

- A** Width between straps
- B** "Inside Leg"
- C** Depth of strap

Rudder Straps - Series 2

A (inch)	B (inch)	C (inch)	Pin dia (inch)	Gudgeon Part No	Pintle Part No
3/4"	4"	1"	3/8"	HL-2200	HL-2230
3/4"	7"	1"	3/8"	HL-2202	HL-2232
1"	4"	1"	3/8"	HL-2204	HL-2234
1"	7"	1"	3/8"	HL-2206	HL-2236
1 7/8"	5"	1"	3/8"	HL-2208	HL-2238
1 7/8"	8"	1"	3/8"	HL-2210	HL-2240
2 1/8"	5"	1"	3/8"	HL-2212	HL-2242
2 1/8"	10"	1"	3/8"	HL-2214	HL-2244
2 1/2"	5"	1"	3/8"	HL-2216	HL-2246



Gudgeon

Series 2 Rudder blade pivots

Designed to go right through the rudder strap, these comprise a 5/16" (8mm) diameter bolt, complete with bushes nuts and washers.

For	Part No.
1 7/8"	HL-2265
2 1/8"	HL-2266
2 1/2"	HL-2267

Rudder Straps - Series 3

A (inch)	B (inch)	C (inch)	Pin dia (inch)	Gudgeon Part No	Pintle Part No
1"	8"	1 1/4	1/2"	HL-2300	HL-2330
1 1/2"	5"	1 1/4	1/2"	HL-2302	HL-2332
1 1/2"	9"	1 1/4	1/2"	HL-2304	HL-2334
1 3/4"	6"	1 1/4	1/2"	HL-2306	HL-2336
2"	5"	1 1/4	1/2"	HL-2308	HL-2338
2"	9"	1 1/4	1/2"	HL-2310	HL-2340
2 1/4"	9"	1 1/4	1/2"	HL-2312	HL-2342
2 1/2"	9"	1 1/4	1/2"	HL-2314	HL-2344
2 3/4"	9"	1 1/4	1/2"	HL-2316	HL-2346
3"	9"	1 1/4	1/2"	HL-2318	HL-2348



Pintle

Rudder Straps - Series 4

A (inch)	B (inch)	C (inch)	Pin dia (inch)	Gudgeon Part No	Pintle Part No
1"	9"	1 1/2"	3/4"	HL-2400	HL-2430
1 1/2"	9"	1 1/2"	3/4"	HL-2402	HL-2432
2"	9"	1 1/2"	3/4"	HL-2404	HL-2434
2 1/2"	9"	1 1/2"	3/4"	HL-2406	HL-2436
3"	9"	1 1/2"	3/4"	HL-2408	HL-2438
4"	9"	1 1/2"	3/4"	HL-2410	HL-2440