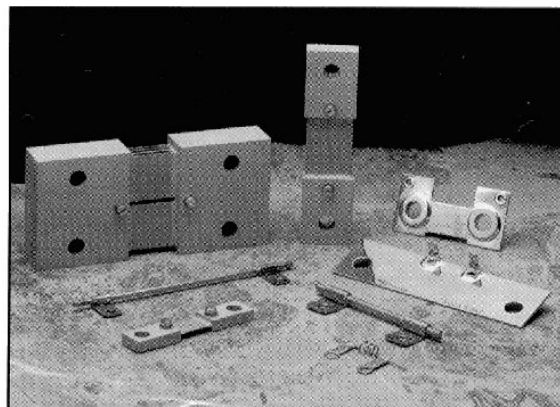
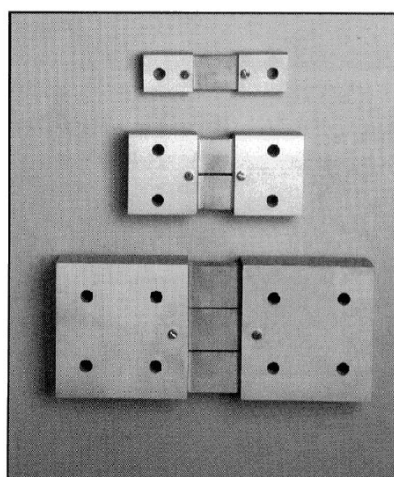


DESCRIPTION Highly accurate manganin resistance d.c. shunts. When a current is passed through the shunt, a proportional millivolt output is produced

APPLICATION Shunts are used for measuring current in d.c. applications by connecting them to moving coil panel meters, digital meters or other measurement devices. Shunts can also be used in control devices such as power supplies and battery chargers or for overload protection.



STANDARD BRASS ENDED



Our standard range of BS89/IEC51 class 1 or class 0.5 shunts can be current rated from 5 to 5000A with 50 to 300mV output.

Operating Temperature: -20°C to +40°C

Permissible Overload:

- Continuous - 1.2 x rated current
- 5 seconds - 5 x rated current up to 2kA
- 10 seconds - 2 x rated current for 2kA-5kA

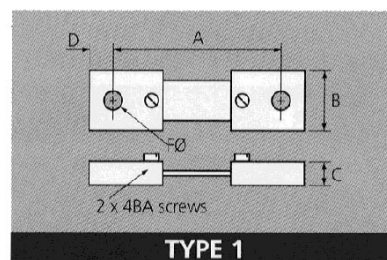
Shunt Leads:

Millivolt leads can be supplied upon request (standard length = 760mm)

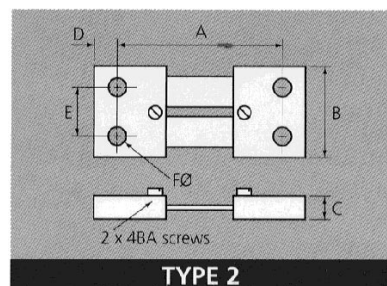
Order Example:

A brass ended shunt with 1000A rated current and 100mV output, class 1 is: **SHB1000A100-CLASS1**

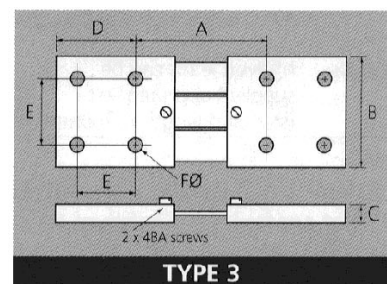
Dimensions (mm)



TYPE 1



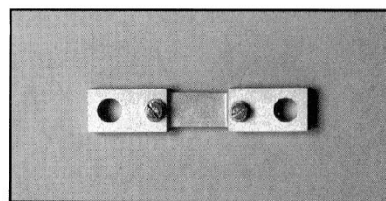
TYPE 2



TYPE 3

		Dimensions (mm)												
		A								B	C	D	E	F
Current(A)	Type	50mV	60mV	75mV	100mV	150mV	200mV	250mV	300mV					
5-35	1	95	95	95	114	114	172	172	267	22	10	11	-	7
40-200	1	95	95	95	114	114	172	172	267	32	12	13	-	10
225-440	1	95	95	95	114	121	172	172	267	32	20	25	-	10
450-1700	2	95	95	95	114	121	172	172	267	67	25	25	41	10
1800-3400	3	95	95	95	114	121	172	-	-	111	38	81	57	10
3500-5000	3	95	95	95	114	121	-	-	-	140	38	114	90	12

COMPACT BRASS ENDED



Our special Compact Brass Ended Shunt is often requested for special applications due to its small size. Manufactured to BS89/IEC51 class 1 it can be current rated from 5-50A, with 25, 50, 60, 75 or 100mV output.

Operating Temperature: -20°C to +40°C

Permissible Overload:

- Continuous - 1.2 x rated current
- 5 seconds - 5 x rated current

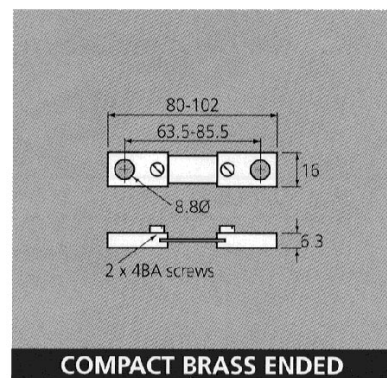
Shunt Leads:

Millivolt leads can be supplied upon request (standard length = 760mm)

Order Example:

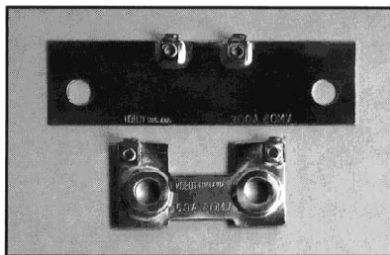
A compact brass ended shunt with 50A rated current and 60mV output is: **SHB50A60-COMPACT**

Dimensions (mm)



COMPACT BRASS ENDED

PLATE (STANDARD & COMPACT)



An economical range of shunts, manufactured to class 1.5.

Operating Temperature: -20°C to +40°C

Shunt Leads: Millivolt leads can be supplied upon request (standard length = 760mm).

Standard Plate Shunt

50A to 500A rated current with 50, 60, 75 or 100mV output available.

6.3mm Faston Tags (T) or Tapped 4BA Bushes (B) can be supplied.

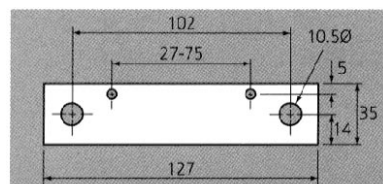
Order example: A standard plate shunt 125A 75mV output with bush connections is: **SHP125A75-BUSH**

Compact Plate Shunt

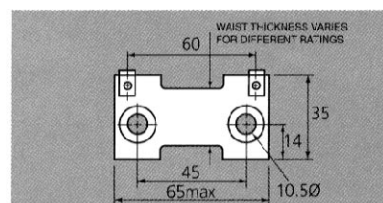
75A to 500A rated current with 50, 60, 75 or 100mV output available. 6.3mm Faston Tags as standard.

Order example: A compact plate shunt 300A 60mV output is: **SHP300A60-COMPACT**

Dimensions (mm)

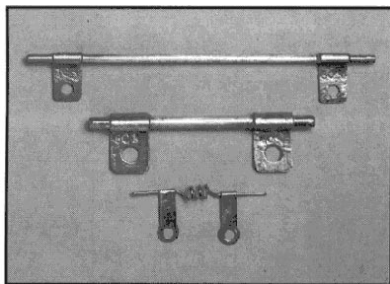


STANDARD



COMPACT

WIRE



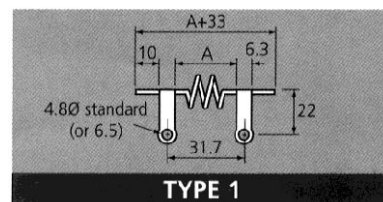
A range of shunts designed mainly for low current applications, manufactured to class 1.5

Operating Temperature: -20°C to +40°C

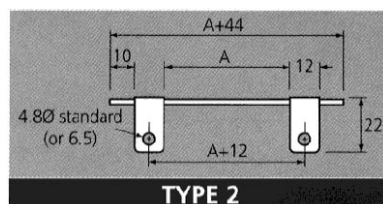
Shunt Leads: Millivolt leads can be supplied upon request (standard length = 760mm).

Current(A)	TYPE	Dimension A (mm)			
		50mV	60mV	75mV	100mV
300mA-3A	1	25	25	25	25
4	2	63	74	90	116
5	2	74	87	110	93
6	2	64	74	93	84
7.5	2	53	62	74	94
8	2	64	75	91	127
10	2	93	109	92	119
12	2	80	93	79	82
15	2	67	78	95	122
20	3	74	67	78	98
25	3	67	56	65	82
30	3	72	67	80	101
35	3	65	77	96	116
40	3	57	69	82	104
50	3	51	59	69	87
60	3	45	51	60	75

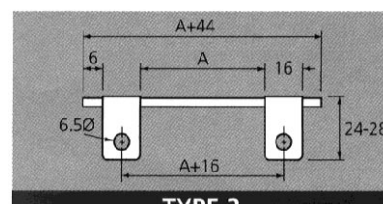
Dimensions (mm)



TYPE 1



TYPE 2

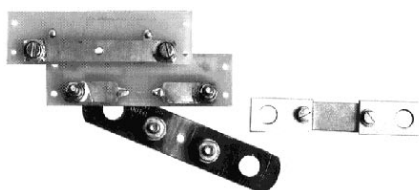


TYPE 3

300mA to 60A rated current with 50, 60, 75 or 100mV output available.

Order example: A wire shunt 6A rated current and 60mV output is: **SHW6A60**

SPECIAL SHUNTS



The products detailed in this publication are our standard range, but for large quantity orders, POWERTEK engineers will be pleased to work for customers to design individual shunts to their specifications.

DIN SHUNTS TO DIN 43703

For quantity orders POWERTEK can supply D.C. shunts to standard DIN dimensions according to DIN 43703. A separate dimensional sheet is available on request.

Our policy is one of continuous development and therefore specifications may change without notice.

Powertek

Specialist Supplier of:-

Current clamps & Current transformers, Hall effect CT's, Voltage transformers, Shunts

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