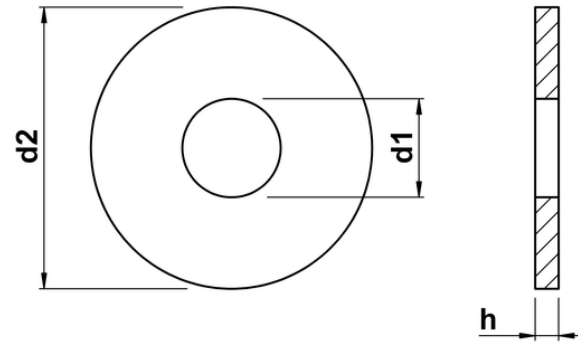


Metric Mudguard (Penny) Washers



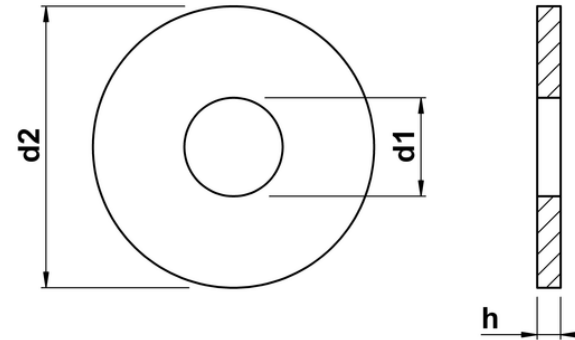
Diameter (d)	d1	d2	h
M5	5.3	20	1.5
		25	1.5
		30	1.5
M6	6.4	20	1.5
		25	1.5
		30	1.5
		40	1.5
		50	1.5
M8	8.4	25	1.5
		30	1.5
		40	1.5
		50	1.5
M10	10.5	25	1.5
		30	1.5
		40	1.5
		50	1.5
M12	13	38	1.5
		50	1.5

Also known as penny washers and fender washers, mudguard washers have an exceptionally large external diameter compared to their inner dia., thus providing a very wide load spread over thin material and for “repair” of damaged/enlarged holes.

Available in various materials and finishes

Tel: 01234 346242
www.challenge-europe.co.uk
sales@challenge-europe.co.uk

Metric Flat Washers Din 9021



Diameter (d)	d1	d2	h
M3	3.2	9	0.8
M4	4.3	12	1.0
M5	5.3	15	1.2
M6	6.4	18	1.6
M8	8.4	24	2.0
M10	10.5	30	2.5
M12	13	37	3.0
M14	15	44	3.0
M16	17	50	3.0

These washers have an exceptionally large external diameter compared to their inner dia., thus providing a very wide load spread over thin material and for “repair” of damaged/enlarged holes.

Available in various materials and finishes