GSTIN- 29ADMPC3767H1Z9

UNIQUE FASTENERS

Precision Fasteners, Built to Last

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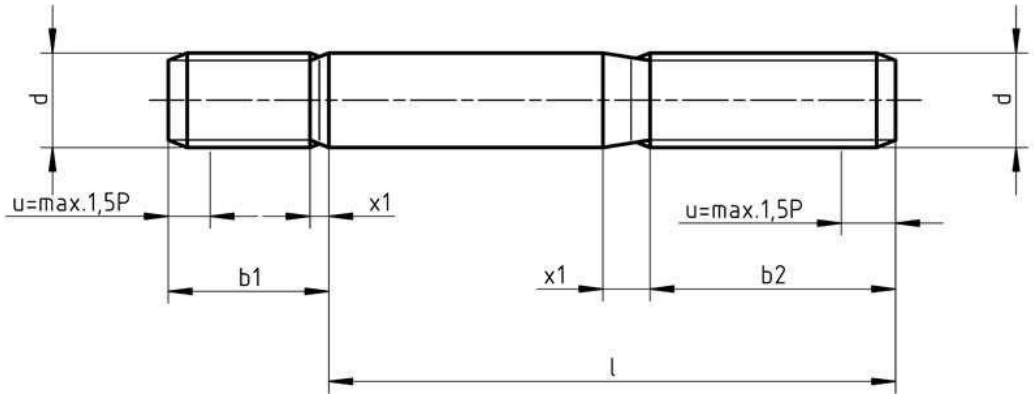
RoHS

Product Dimensions, Standards and Weights **DIN 835 Technical Specifications**

Metric DIN 835 Double End Studs



Dimensions of Metric DIN 835 Double End Studs

DIAMETER (d)	PITCH	b1	(b2) L < 125	(b2) L = 125- 200	(b2) L ≥ 200	X1
M4	0.7	8	14	20	–	1.75
M5	0.8	10	16	22	–	2
M6	1	12	18	24	–	2.5
8	1.25	16	22	28	–	3.2
M10	1.5	20	26	30	45	3.8
M12	1.75	24	30	36	49	4.3
M14	2	28	34	40	53	5
M16	2	32	38	44	57	5
M18	2.5	36	42	48	61	6.3
M20	2.5	40	46	52	65	6.3
M22	2.5	44	50	56	69	6.3
M24	3	48	54	60	73	7.5

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Metric DIN 835 double end studs are machine thread fasteners without a head and may or may not be fully threaded depending on the length of the fastener. Depending on the application, both ends can accept a nut or one end may be threaded into a pre-tapped hole, leaving the other end available for attaching a mated component secured with a nut. Studs assemblies offer several advantages over bolts: They eliminate the need for perfect squareness in an assembly allowing a nut to "float" and adjust on the nut end threads. Furthermore, studs can act as pilots to ease the assembly and disassembly of mated parts.

When ordering DIN 835 double end studs, the correct dimension is diameter x nominal length (excluding the tap end b_1). For example, with a stud measuring M10X50 (the diameter(d) = 10mm and nominal length(l) = 50 mm) where the thread length on the metal end (tap end) b_1 = 20 mm; the overall length of the stud is 50 + 20 = 70 mm. The thread length in this case on the nut end b_2= 26 mm and the unthreaded shaft length is 24mm. Note that for a M10 DIN 835 stud with a length of 26mm or less will by definition be a fully threaded fastener.

Note: Studs whose length (L) is less than or equal to 2 times their nominal diameter + 6mm, will normally be fully threaded.

Unique Fasteners offers one of the most complete ranges of metric studs and other inch and metric industrial fasteners for immediate delivery from stock. The following sizes of metric DIN 835 double end studs are available for immediate shipping from stock: Diameters ranging from M5 to M24 and lengths to 120mm in A2 and marine grade A4 stainless steel.

DIN (**D**eutsches **I**nstitut für **N**ormung - German Institute for Standardization) standards are issued for a variety of components including industrial fasteners as Metric DIN 835 double end studs. The DIN standards remain common in Germany, Europe and globally even though the transition to ISO standards is taking place. DIN standards continue to be used for parts which do not have ISO equivalents or for which there is no need for standardization.