



# MATHread<sup>®</sup>

Straight insertion reduces assembly costs

- + short cycle times
  - + high process reliability
  - + no jamming
  - + reduced risk of surface damage
  - + lower risk of injury
  - + in fasteners with through hole
  - + fewer defects, repairs, less scrap, and less down time
- ➔ [www.arnold-fastening.com](http://www.arnold-fastening.com)



# The solution for your screwdriving assembly processes

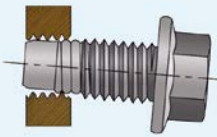
Forget costly assembly problems caused by cross-alignment of screws into the counter threads. When such cross-threading occurs, a new, slanting thread is formed, so the original nut thread is damaged. With our innovative MAThread® dog point, the problem simply goes away, because MAThread® ensures that the screwdriving operation is straight. Screws with the MAThread® dog point are manufactured in a

chipless cold-forming process, they are shorter and lighter than other special fastenings, and they are also very versatile. They are robust and easy to fit. With MAThread® you cut out all the problems that commonly occur when fitting threaded fasteners. That's why many OEMs (such as GM, Ford and Daimler) and suppliers (such as Visteon) are using MAThread®.

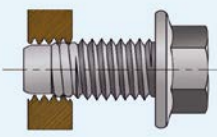
## Compensation thread means no alignment errors



**With MAThread® Design you can select the dog point for optimum feed into your application.**



**MAThread® matches the thread of the screw with that of the nut, so that the thread does not break out, nor is a second undesired thread produced.**



**MAThread® Design ensures that the two thread spiral align precisely together at every turn of the screwdriver.**

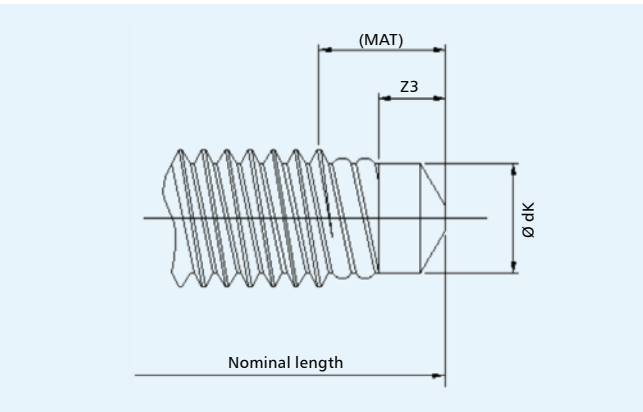
## Applications

- ⊕ Fitting external brackets, where the screw's centreline runs crooked to the centreline of the nut.
- ⊕ In "offset assembly", where the screw's centreline is parallel but offset to the centreline of the nut.

**Make use of these extra advantages of MAThread®**

- ⊕ Compensation for
  - screws fed at skewed angle
  - screws fed at offset angle
- ⊕ rapidly threads into the nut thread
- ⊕ easy to position the screw

## Designs



Thread	M5	M6	M8	M10
MAT	4.25	5.27	6.76	8.25
Z3	2.25	2.82	3.75	4.67
Ø dx	3.95	4.70	6.41	8.09

## Notes

[illegible]



# The ARNOLD GROUP

Wherever customers need us.

## The ARNOLD GROUP

With a foundation of many years of expertise in the production of intelligent fastening systems and very complex extruded parts, the ARNOLD GROUP has developed over a number of years into a comprehensive supplier and development partner for complex fastening systems. With our new positioning of "BlueFastening Systems" this development process will now continue under a united and harmonised structure. Engineering, fastenings, and functional parts, together with feeder processing systems, all from a single source – efficient, sustained and international.



### ARNOLD FASTENING SYSTEMS

Rochester Hills  
USA



### ARNOLD TECHNIQUE FRANCE

Anneyron  
France



### ARNOLD UMFORMTECHNIK

Ernsbach  
Germany



### ARNOLD UMFORMTECHNIK

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