

UPO LARGE FLANGE/UFO COUNTERSUNK FLANGE ROUND METRIC SERIES

**UPO/
UFO
SERIES**



- The UPO series offers a large flange for increased strength and better containment of round or oversized holes.

- Metric body and metric threads

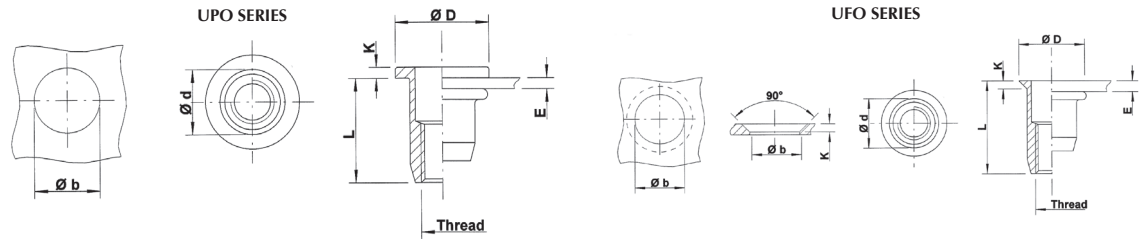


- The UFO series offers a countersunk head for flush installation into the parent materials.

- Metric body and metric threads



Available with knurled shank for increased performance (KN Series).



UPO SERIES METRIC THREAD (UNIT - MILLIMETERS)

Part Number Steel	Thread Size	Grip Range (E)		L ± 0.35	D ± 0.35	K ± 0.15	d -0.02/-0.15	Hole Size (b+0.1)
		Min.	Max.					
TU-SM3UPO20ZT	M3X0.5 ISO	0.5	2.0	9.8	8.0	0.8	5.0	5.1
TU-SM3UPO30ZT	M3X0.5 ISO	2.0	3.0	10.8				
TU-SM4UPO30ZT	M4X0.7 ISO	0.5	3.0	10.8	10.0	0.8	6.0	6.0
TU-SM4UPO45ZT	M4X0.7 ISO	3.0	4.5	12.3				
TU-SM5UPO30ZT	M5X0.8 ISO	0.5	3.0	12.0	11.0	1.0	7.0	7.0
TU-SM5UPO55ZT	M5X0.8 ISO	3.0	5.5	15.0				
TU-SM6UPO30ZT	M6X1.0 ISO	0.5	3.0	14.5	13.0	1.5	9.0	9.0
TU-SM6UPO55ZT	M6X1.0 ISO	3.0	5.5	16.5				
TU-SM6UPO80ZT	M6X1.0 ISO	5.5	8.0	19.0	16.0	1.5	11.0	11.0
TU-SM8UPO30ZT	M8X1.25 ISO	0.5	3.0	16.0				
TU-SM8UPO55ZT	M8X1.25 ISO	3.0	5.5	18.5	18.5	2.3	12.4	12.5
TU-SM8UPO80ZT	M8X1.25 ISO	5.5	8.0	21.5				
TU-SM10UPO35ZT	M10X1.5 ISO	0.8	3.5	19.8	19.0	2.0	13.0	13.0
TU-SM10UPO60ZT	M10X1.5 ISO	3.5	6.0	22.8				
TU-SM10SPO35ZT	M10X1.5 ISO	0.8	3.5	21.0	23.0	2.0	16.0	16.0
TU-SM10SPO60ZT	M10X1.5 ISO	3.5	6.0	24.0				
TU-SM12UPO40ZT	M12X1.75 ISO	1.0	4.0	25.0	23.0	2.0	16.0	16.0
TU-SM12UPO70ZT	M12X1.75 ISO	4.0	7.0	28.0				

UFO SERIES METRIC THREAD (UNIT - MILLIMETERS)

Part Number Steel	Thread Size	Grip Range (E)		OL ± 0.35	D +0.00/-0.5	K +0.3/-0.05	d -0.02/-0.15	Hole Size (b+0.1)
		Min.	Max.					
TU-SM3UFO35ZT	M3X0.5 ISO	1.7	3.5	11.25	8.0	1.5	5.0	5.1
TU-SM4UFO35ZT	M4X0.7 ISO	1.7	3.5	11.5				
TU-SM4UFO50ZT	M4X0.7 ISO	3.5	5.0	13.0	9.0	1.5	6.0	6.0
TU-SM5UFO40ZT	M5X0.8 ISO	1.7	4.0	13.0				
TU-SM5UFO65ZT	M5X0.8 ISO	4.0	6.5	16.0	10.0	1.5	7.0	7.0
TU-SM6UFO45ZT	M6X1.0 ISO	1.7	4.5	17.0				
TU-SM6UFO65ZT	M6X1.0 ISO	4.5	6.5	19.0	12.0	1.5	9.0	9.0
TU-SM8UFO45ZT	M8X1.25 ISO	1.7	4.5	19.0				
TU-SM8UFO65ZT	M8X1.25 ISO	4.5	6.5	21.0	14.0	1.5	11.0	11.0
TU-SM10UFO45ZT	M10X1.5 ISO	1.7	4.5	21.0				
TU-SM10UFO65ZT	M10X1.5 ISO	4.5	6.5	23.0	15.4	1.5	12.4	12.5
TU-SM12UFO45ZT	M12X1.75 ISO	2.0	4.5	26.0				
TU-SM12UFO75ZT	M12X1.75 ISO	4.5	7.5	29.0	19.0	1.8	16.0	16.0

PART NUMBERING SYSTEM

UPO Specifications	Part Number	Example: TU-SM5UPO30ZT						
Material: Steel QST 34-3 Stainless Steel 304 Cu Stainless Steel 316 Cu Aluminum ALMG 2.5	TU	S	M5	UP	O	30	ZT	
	Product Style	Material	Thread Size	Product Type	O-Open End	Grip Range	Zintop (Clear)	
	Metric	S-Steel A-Aluminum SS-304 Stainless Steel *316-316 Stainless Steel		Large Flange, Flat Head Metric Body	X-Closed End			
UFO Specifications	Part Number	Example: TU-SM5UFO35ZT						
Material: Steel QST 34-3 Stainless Steel 304 Cu Aluminum ALMG 2.5	TU	S	M5	UF	O	35	ZT	
	Product Style	Material	Thread Size	Product Type	O-Open End	Grip range	Zintop (Clear)	
	Metric	S-Steel A-Aluminum SS-304 Stainless Steel		Smooth Shank Countersunk Head Metric Body	X-Closed End			
RoHs Compliant Finish: Zintop (Clear), 96 w / 480 r		A-Aluminum SS-304 Stainless Steel			Special finish or material available upon request			

*316 Stainless Steel has extra corrosion resistance and can be used in the medical, chemical and food industries. Grip Range can be affected by parent material and hole size. Sherex recommends trial installations to determine the proper grip range for the application. Closed End sizes available: M4, M5, M6, and M8. Also available with imperial threads - minimum order quantity is 25,000 pieces if not in stock. Contact Sherex for test data. Mating material holes must be smaller than flange diameter.

INSTALLATION TOOLING

UPO and UFO Series can be installed with our Hand Tools and Hydro-Pneumatic Tools. For additional tooling information see pages 39-44.

All Parts have been manufactured by: **DEJOND**
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Sherex Fastening Solutions • 866-474-3739 • www.sherex.com • info@sherex.com