

# APPLICABLE TOOLHOLDERS & INSERTS (INTERNAL)

## Unified Coarse Thread: UNC

Applicable Thread	TPI	Internal Threading			Min. Bore Dia.(mm)
		Toolholder	Insert		
			Partial Profile	Full Profile	
2-56 UNC	56	No Tools Available	-	-	1.69
6-32 UNC	32		-	-	2.65
8-32 UNC	32		-	EZTR030025-60-002	-
10-24 UNC	24	-	EZTR035030-60-002	-	3.68
1/4-20 UNC	20	-	EZTR050040-60-004	-	4.98
5/16-18 UNC	18	-	HPTR04504-60 / VNTR045-11	-	6.41
		-	EZTR060050-60-004	-	
3/8-16 UNC	16	-	HPTR06005-60 / VNTR060-11	-	7.81
		-	EZTR070060-60-004	-	
7/16-14 UNC	14	No Tools Available	-	-	9.15
1/2-13 UNC	13		10.58		
9/16-12 UNC	12		12.00		
5/8-11 UNC	11		13.38		
3/4-10 UNC	10		16.30		
7/8-9 UNC	9	SINR1616S-16	16IRG60	16IR10UN-TF	19.17
1-8 UNC	8	SINR2016S-16	16IRAG60	-	21.96
1 1/8-7 UNC	7	SINR2420S-22	22IRN60	16IR08UN-TF	24.65

## Unified Fine Thread: UNF

Applicable Thread	TPI	Internal Threading			Min. Bore Dia.(mm)
		Toolholder	Insert		
			Partial Profile	Full Profile	
0-80 UNF	80	No Tools Available	-	-	1.18
6-40 UNF	40		-	-	2.82
8-36 UNF	36	-	EZTR030025-60-002	-	3.4
10-32 UNF	32	-	EZTR030025-60-002	-	3.97
1/4-28 UNF	28	-	EZTR050040-60-004	-	5.37
5/16-24 UNF	24	-	HPTR04504-60 / VNTR045-11	-	
		-	HPTR06005-60 / VNTR060-11	-	
3/8-24 UNF	24	-	EZTR070060-60-004	-	8.38
		-	HPTR07507-60-005	-	
7/16-20 UNF	20	SINR0612S-06E	06IR60005	-	17.33
1/2-20 UNF	20	SINR0816S-08E	08IR60007	-	9.74
9/16-18 UNF	18	SINR0816S-08E	08IR60007	-	11.33
5/8-18 UNF	18	SINR1216S-11E	11IRA60	-	12.76
3/4-16 UNF	16	SINR1216S-11E	11IR60005	-	14.35
		SINR1516S-11	11IRA60	-	17.33
7/8-14 UNF	14	SINR1616S-16	16IR60005	16IR16UN(-TF)	
1-12 UNF	12	SINR2016S-16	16IRAG60	16IR14UN(-TF)	23.10
1 1/8-12 UNF	12	SINR2420S-16	16IRG60	-	26.28
1 1/4-12 UNF	12	SINR2420S-16	16IR6001	16IR12UN(-TF)	29.46
1 3/8-12 UNF	12	CINR3025S-16	-	-	32.63
1 1/2-12 UNF	12	CINR3025S-16	-	-	36.81

## Whitworth Coarse Thread: W

Applicable Thread	TPI	Internal Threading			Min. Bore Dia.(mm)
		Toolholder	Insert		
			Partial Profile	Full Profile	
W 1/4	20	No Tools Available	-	-	4.91
W 5/16	18		-	-	6.34
W 3/8	16		-	-	7.73
W 7/16	14	No Tools Available	-	-	9.06
W 1/2	12		10.30		
W 9/16	12		11.89		
W 5/8	11		13.26		
W 3/4	10		16.17		
W 7/8	9	SINR1616S-16	16IRAG55	-	19.03
W 1	8	SINR2016S-16	16IRG55	-	21.08

## Whitworth Coarse Thread: W

Applicable Thread	TPI	Internal Threading			Min. Bore Dia.(mm)
		Toolholder	Insert		
			Partial Profile	Full Profile	
W9.5 - 24	24	SINR0816S-08E	08IR5501	-	8.30
W10.0 - 24		-	EZTR060050-55-008	-	8.80
W10.5 - 24		-	HPTR06005-55	-	9.30
W9.5 - 20	20	SINR0816S-08E	08IR5501	-	8.06
W10.0 - 20		-	-	-	8.56
W10.5 - 20		-	-	-	9.06
W11.0 - 20		-	EZTR060050-55-008	-	9.56
W11.5 - 20		-	EZTR080070-55-008	-	10.06
W12.0 - 20		-	HPTR06005-55	-	10.56
W12.5 - 20		-	HPTR08007-55	-	11.06
W13.0 - 20	20	-	-	-	11.56
W13.5 - 20		SINR1216S-11E	11IRA55	-	12.06
W11.0 - 18	18	No Tools Available			9.40
W11.5 - 18		-	-	-	9.90
W12.0 - 18		-	-	-	10.40
W12.5 - 18		-	-	-	10.90
W14.0 - 18		-	-	-	12.40
W14.5 - 18	18	SINR1216S-11E	11IRA55	-	12.90
W15.0 - 18		SINR1216S-11E	11IR55005	-	13.40
W16.0 - 18		SINR1516S-11	-	-	14.40
W13.0 - 16	16	No Tools Available			11.20
W13.5 - 16		-	-	-	11.70
W14.0 - 16	16	SINR1216S-11E	-	-	12.20
W14.5 - 16		SINR1216S-11E	11IRA55	-	12.70
W15.0 - 16		SINR1216S-11E	11IR55005	-	13.20
W17.0 - 16		SINR1516S-11E	-	-	15.20
W18.0 - 16	16	SINR1616S-16	16IRAG55	(16IR16W-TF)	16.20
W19.0 - 16		SINR1616S-16	16IRG55	(16IR16W-TF)	17.20
W20.0 - 16		SINR1616S-16	16IR5501	(16IR16W-TF)	18.20
W16.0 - 14	14	SINR1216S-11E	11IRA55	-	13.94
W17.0 - 14		SINR1216S-11E	11IR55005	-	14.94
W18.0 - 14	14	SINR1516S-11	-	-	15.94
W21.0 - 14		SINR1616S-16	-	-	18.94
W22.0 - 14	14	SINR1616S-16	16IRAG55	(16IR14W-TF)	19.94
W23.0 - 14		SINR2016S-16	16IRG55	(16IR14W)	20.94
W24.0 - 14	14	SINR2016S-16	16IR5501	-	21.94
W25.0 - 14		SINR2016S-16	16IR5502	-	22.94
W26.0 - 14	12	SINR2016S-16	-	-	23.94
W19.0 - 12		SINR1616S-16	-	-	16.60
W20.0 - 12	12	SINR1616S-16	-	-	17.60
W21.0 - 12		SINR1616S-16	-	-	18.60
W22.0 - 12	12	SINR1616S-16	-	-	19.60
W28.0 - 12		SINR2420S-16	-	-	25.60
W30.0 - 12	12	SINR2420S-16	-	-	27.60
W32.0 - 12		SINR2420S-16	16IRAG55	-	29.60
W34.0 - 12	12	CINR3025S-16	16IRG55	-	31.60
W35.0 - 12		CINR3025S-16	16IR5501	-	32.60
W36.0 - 12		CINR3025S-16	16IR5502	-	33.60
W38.0 - 12	12	CINR3025S-16	-	-	35.60
W40.0 - 12		CINR3732S-16	-	-	37.60
W42.0 - 12	12	CINR3732S-16	-	-	39.60
W44.0 - 12		CINR3732S-16	-	-	41.60
W45.0 - 12	12	CINR3732S-16	-	-	42.60
W46.0 - 12		CINR3732S-16	-	-	43.60
W48.0 - 12	12	Hereafter, 12 TPI Whitworth Fine Thread can be machined by the same tool as above.			45.60
W50.0 - 12		-	-	-	47.60
W23.0 - 10	10	SINR2016S-16	-	-	20.12
W24.0 - 10		SINR2016S-16	-	-	21.12
W25.0 - 10		SINR2016S-16	16IRAG55	-	22.12
W26.0 - 10		SINR2016S-16	16IRG55	-	23.12
W28.0 - 9	9	SINR2420S-16	-	-	24.80
W30.0 - 9		SINR2420S-16	-	-	26.80
W32.0 - 9		SINR2420S-16	-	-	28.80

• Above shows the usage example of applicable Toolholders / Inserts.