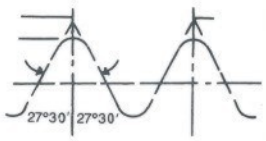
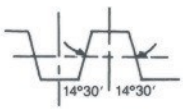
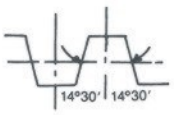
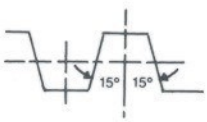
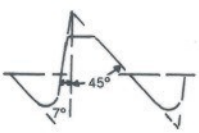
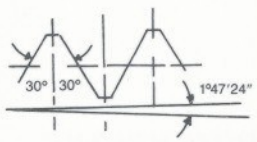
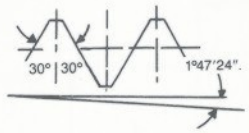
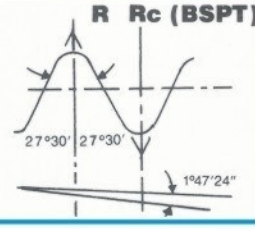
PARALLEL THREADS

DESIGNATION	TYPE OF THREADS	'P' VALUE FORMULA	SPECIFICATIONS	
			BASIC DIMENSIONS	GAUGING PRACTICE
M 	ISO METRIC 60° THREADS (For general fastening purpose)	P = 0.866025 x p — w	ISO 724 IS:4218 DIN 13 JIS B 0209 JIS B 0211 ASME B1.13 M	ISO 1502 IS:2334 DIN 13 JIS B 0251 ANSI/AMSE B1.16M
UNC, UNF, UNEF, UN, UNS 	UNIFIED INCH 60° THREADS (For general fastening purpose)	P = 0.866025 x p — w	ANSI/ASME B 1.1	ANSI/ASME B 1.2
G 	PIPE THREADS 55° (Where Pressure-tight joints are not made on the threads)	P = (0.96049 x p) — (1.16568 x w)	ISO 228-1 IS:2643	ISO 228-2 IS:10216
Acme 	ACME 29° THREADS (For transmission of power & motion)	P = (1.93335 x p) — (2.9939 x w)	ASME B 1.5	ASME B 1.5
Stub Acme 	STUB ACME 29° THREADS (For transmission of power & motion)	P = (1.93335 x p) — (2.9939 x w)	ANSI B 1.8	ANSI B 1.8
Tr 	ISO METRIC TRAPEZOIDAL 30° THREADES (For transmission of power & motion)	P = (1.86602 x p) — (2.8637 x w)	ISO:2901 ISO:2902 ISO:2903 IS:7008	DIN 103 Part 9
BUTT 	BUTTRESS INCH THREADS 7°/45° FORM (For transmission of power & motion)	P = (0.89064 x p) — (1.15689 x w)	ANSI B 1.9	ANSI B 1.9

TAPER THREADS

DESIGNATION	TYPE OF THREADS	'P' VALUE FORMULA	SPECIFICATIONS	
			BASIC DIMENSIONS	GAUGING PRACTICE
NPT 	PIPE THREADS 60° General purpose (Taper 1:16 on ϕ)	P = 0.86574 x p — w	ANSI/ASME B 1.20.1	ANSI/ASME B 1.20.1
NPTF 	DRYSEAL PIPE THREADS 60° (Taper 1:16 on ϕ)	P = 0.86574 x p — w	ANSI B1.20.3	ANSI/ASME B1.20.5
R Rc (BSPT) 	PIPE THREADS 55° Where pressure-tight joints are made on threads (Taper 1:16 on ϕ)	P = (0.96024 x p) — (1.16568) w	ISO 7-1 IS:554 JIS B 0203	JIS B 0253 BS:21 JIS B 0253

NOTE: **P** = CONSTANT
P = PITCH OF THE THREAD.
W = MEAN DIAMETER OF THE CYLINDERS USED.

SIZES OF CYLINDERS FOR EFFECTIVE DIAMETER MEASUREMENT

SR. NO.	TOTAL INCLUDED ANGLE OF THREAD	MINIMUM Ø	IDEAL OR BEST SIZE CYLINDER	MAXIMUM Ø
1	60°	0.534 x p	0.577 x p	0.620 x p
2	55°	0.535 x p	0.564 x p	0.593 x p
3	29°	0.487 x p	0.516 x p	0.650 x p
4	30°	0.489 x p	0.518 x p	0.652 x p
5	7° / 45° BUTT	—	0.54147 x p	0.61433 x p

NOTES

- **WHILE SENDING AN ENQUIRY PLEASE ENSURE THAT CORRECT THREAD DESCRIPTION IS MENTIONED ALONG WITH THE CLASS OF FIT, (IF SPECIAL, THEN PLEASE FURNISH COMPONENT DIMENSIONS / DRAWINGS) & SPECIFICATIONS TO BE FOLLOWED OR ELSE THE ABOVE SPECIFICATIONS WILL BE APPLICABLE.**
  THREAD RING GAUGES ABOVE NOMINAL Ø 3 MM ARE MANUFACTURED AND CHECKED BY DIRECT MEASUREMENT.
  (IF THREAD RINGS WITH MASTER CHECK PLUG REQUIRED, PLEASE MENTION ON ENQUIRY AND PURCHASE ORDER.)