T-162DP INSERT CAVITY DETAILS

(ALL DIMENSIONS IN MILLIMETERS)
△M16 x 1.5-6H ISO (METRIC) THREAD
15,216/15,026 PITCH DIA.

SURFACE INSTALLATION DOES NOT NEED A PORT OR PLUG AT SURFACE.

DEEP INSTALLATION MAY REQUIRE A PORT FOR PLUGGING OR PLUMBING. THE SPACE ABOVE THE CARTRIDGE INSERT MAY BE A PORT DEPENDING ON WHICH CARTRIDGE IS BEING USED. IT CAN BE LEFT UNPLUGGED AND PLUMBED TO EXTERNALLY OR PLUGGED AND DRILLED INTO FROM ANOTHER SOURCE. PORT IS NOT PART OF CAVITY TOOLING. SMALLEST PORTS AS FOLLOWS:
.50-14 BSPP (SHOWN)
SAE-10
M22x1.5 (ISO 6149-1)
TAPERED PORTS NOT RECOMMENDED

PORT #3 OPTIONAL DEPENDING ON CARTRIDGE INSTALLED

DEEP INSTALLATION MINIMUM RECESS SHOULD BE MORE THAN FITTING DEPTH INTO BODY ADDED TO INSERT HEIGHT ABOVE LOCATING SHOULDER (LS). (SEE BELOW FOR THIS DIMENSION)
MAXIMUM DEPTH TO LOCATING SHOULDER (LS) NO MORE THAN 88,90mm. (TAP DEPTH NO MORE THAN 102,39 FULL THREAD DEPTH)

PORT #3

FORM REAMER TR-162DP

FORM DRILL TD-162DP

0,80 DRILL-REAMER RELATIONSHIP

30° **

17,15 / 17,20 Ø

L.S

.31 INCH HEX SOCKET (8 mm)

19,00 Ø

45° (2)PLCS

3,96

17,86 / 17,91

0,00 L.S.

A 16,65 / 16,70 1,6

3,96

0,50 R

13,49 MIN. FULL THREAD △

25° **

14,48 / 14,58

23,06

0,50 R **

13,08 / 13,13 1,6

30,96 / 31,04

32,95

0,25 x 45°MAX

PORT #1

10,31 Ø

SURFACE INSTALLATION 0,80 MIN. RECESS FROM MILLED SURFACE.
1,60 MIN. RECESS FROM UNMILLED SURFACE.
SAME AS T-162A

LOCATING SHOULDER 0,00

(20,62)2-PORT VALVES W/EXTERNAL PILOT

(2,77) 2-PORT VALVES

PORT #2 13,49

16,28

CARTRIDGE NOSE SUPPORT

32,5 MIN. DEPTH OF 10,31 Ø. (WORKING PARTS CLEARANCE)

⊙ 0,05 A THREAD AND ALL DIAMETERS

MINIMUM C/L TO EDGE DISTANCE= 11,51
MINIMUM C/L TO C/L= 22,2
(IF USING A PORT AT SURFACE, USE THE PORT MINIMUM C/L TO C/L AND C/L TO EDGE DISTANCES)
NBOM CALLOUT: SUN STD T-162DP CAVITY
NBOM CODE: T162DP

**ALL O-RING "LEAD IN's" TO BE SMOOTH AND FREE OF NICKS AND SHARP EDGES.

LTR	REVISION	DATE	DRN	CHK	REL
---	TOLERANCE CORRECTIONS ON METRIC DWG	05AUG99	DAS		
A	DIM 16,65/16,70 WAS 16,66/16,69	31MAR99	PSS		
--	METRIC CAVITY DIMENSIONS, ETC. ADDED	14OCT97	GZS	JC	

UNLESS OTHERWISE SPECIFIED: DIM'S ±0.5 TOLERANCE UNLESS mm SPECIFIED; ANGLE TOL ±½°; FINISH 2.0 ✓ UNLESS SPECIFIED; REMOVE ALL BURRS

TITLE: T-162DP CAVITY DIMENSIONS, TOOLING, AND PORTING.

SCALE/REF 2:1 | SERIES ZERO | MATERIAL | HEAT TREAT & FINISH

DRAWN R/B 03DEC96 | CHECK JC 05DEC96 | RELEASE DATE

REVISION A | PART NO. T-162DP METRIC | SHEET 2 OF 2

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REVISION A | PART NO. T-162DP METRIC | SHEET 2 OF 2