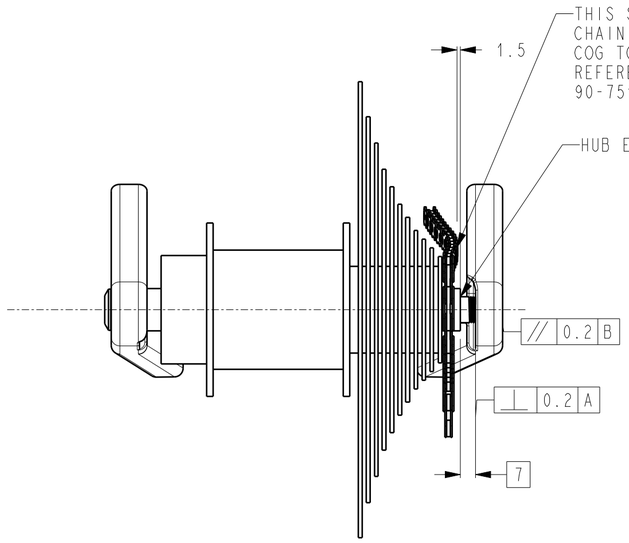
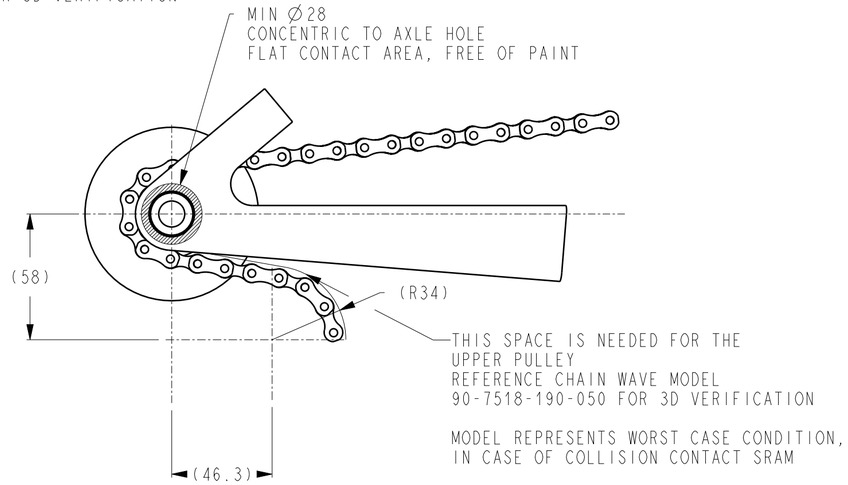
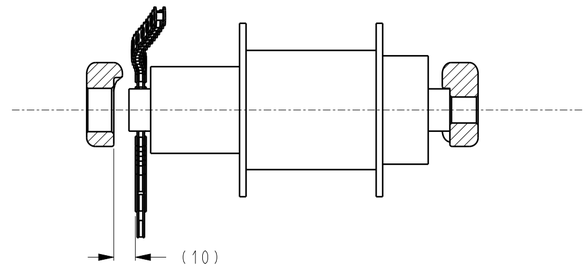
NAMED 3D MODELS CAN BE FOUND IN "UDH&FULL_MOUNT_RD_3D_MODELS_REV_H.stp".

REV	RESP ENG	REVISION RECORD
E	THARCKE	ADD: UDH HANGER DIMENSIONS (SHEET 6); FRONT CABLE ENTRANCE DUMMY 90-7518-190-090 (SHEET 5, G7, J7); AND FRONT CABLE ENTRANCE DUMMY 90-7518-190-090 (SHEET 4, C7); CHANGE: REAR CABLE ENTRANCE DUMMY (SHEET 5, D11) WAS REAR CABLE EXIT DUMMY;
F	TBRAKOWSKI	ADD: NOTE (SHEET 1,2,4,5, A1); NOTE (SHEET 2, J6); 142 OLD + 157 OLD INFO (SHEET 3, A6); NOTE (SHEET 4, B5); ALIGMENT CLEARENCE MODEL FOR UPPER IDLER PULLEY (SHEET 5, A1); CHAIN LENGTH CALCULATION / IDLER PULLEY INFO (SHEET 6); CHANGE: GEOMETRY OF 3D MODEL "90-7518-190-070"; UDH &FULL_MOUNT_RD_FRAME_SPEC (DOCUMENT NAME) WAS UDH DERAILLEUR HANGER FRAME SPEC; NOTE (SHEET2, E2); OLD / AXLE LENGTH (SHEET 3, B8, H7); HANGERLESS INTERFACE (SHEET 5, E2) WAS UDH/NDG; SHEET 7 WAS SHEET 6;
G	TBRAKOWSKI	CHANGE: OLD / AXLE LENGTH (SH3, B8, H7); 90-7518-190-070_REV_G WAS 90-7518-190-070_REV_F;
H	TBRAKOWSKI	ADD: NOTE (SH4, B5); NOTE (SH4, C2, F2, J2, C11); SH6; CHANGE: OLD / FRAME TOLERANCE (SH3, B8); AXLE LENGTH TOLERANCE (SH3, H6); GEOMETRY OF 3D MODEL "90-7518-190-070"; 90-7518-190-070_REV_H WAS 90-7518-190-070_REV_G; DELETE: NOTE (SH3, J7); NOTE (SH4, C6); VIEW "FRONT CABLE ENTRANCE DUMMY" (SH5, G2);

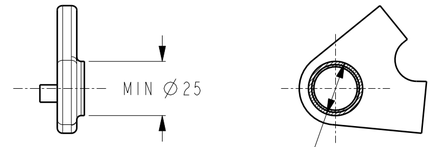






SECTION X-X

ALTERNATIVE DESIGN
WITH CYLINDRICAL PROTRUSION



ALL DIMENSIONS ARE mm
THIRD ANGLE PROJECTION

MASS (g)
0.0

MATERIAL

GEOMETRIC DIMENSIONING AND TOLERANCING TO BE INTERPRETED PER ASME Y14.5-2009

<KC> OR <KC> INDICATES QUALITY IS SENSITIVE TO VARIATION FROM TARGET

UNTOLERANCED LENGTH DIMENSIONS(mm)	
LENGTH DIMENSIONS	TOLERANCE
from 0.5 up to 6	± 0.1
over 6 up to 30	± 0.2
over 30 up to 120	± 0.3
over 120 up to 400	± 0.5
UNTOLERANCED ANGLE DIMENSIONS	
	± 2°

FORMAT: A2 | SCALE: 0.500 | SHEET: 1 / 8

LIFECYCLE STATUS
Released

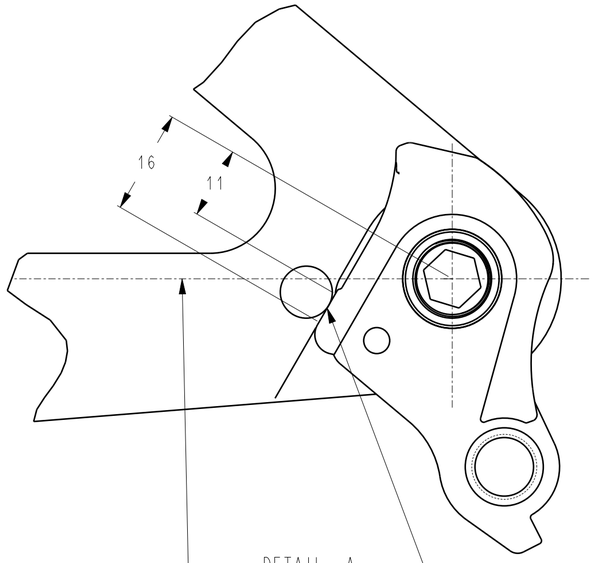
SRAM.

DRAWING NAME / DESCRIPTION
UDH&FULL_MOUNT_RD_FRAME_SPEC

DRAWING NUMBER
90-7518-190-000

VERSION
H.14

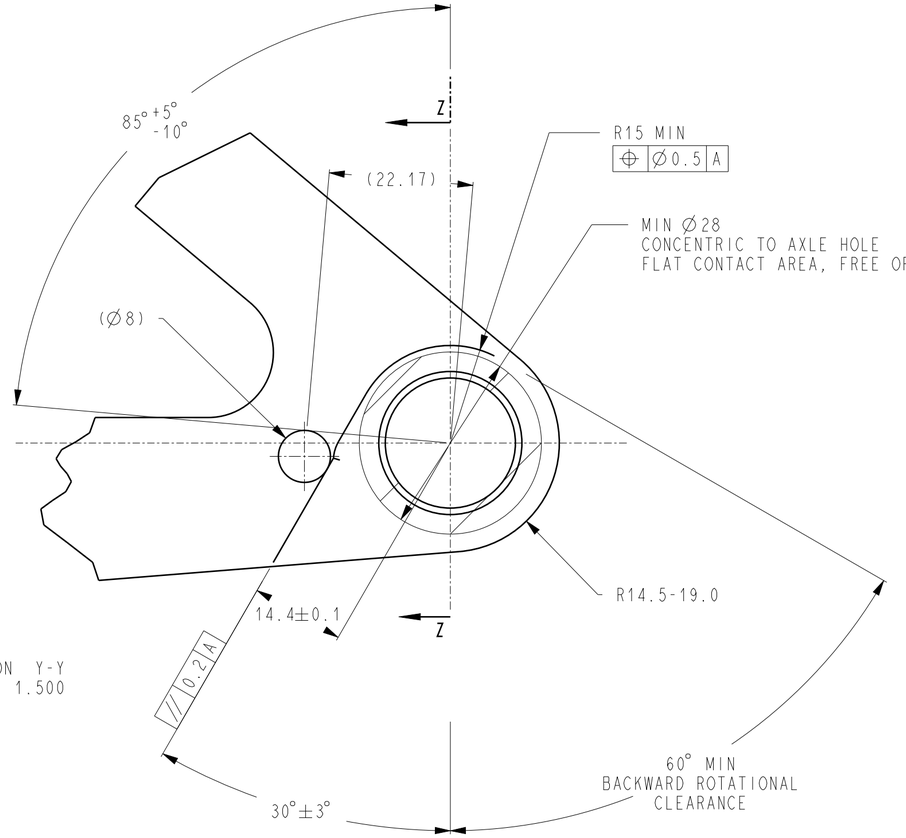
NAMED 3D MODELS CAN BE FOUND IN "UDH&FULL_MOUNT_RD_3D_MODELS_REV_H.stp".



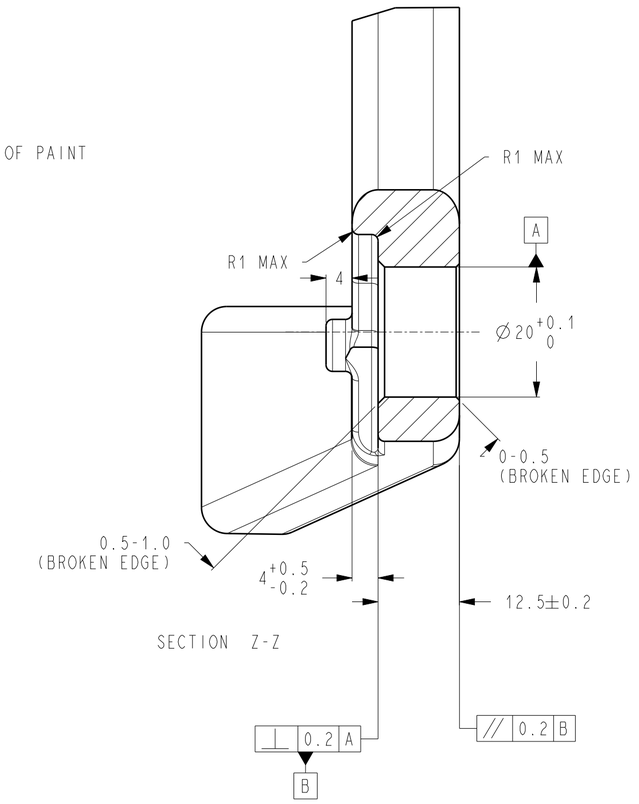
DETAIL A
SCALE 1.500

CONNECTION LINE
TO BB IN SAG MODE
(NOT FOR FRAMES
WITH UPPER IDLER)

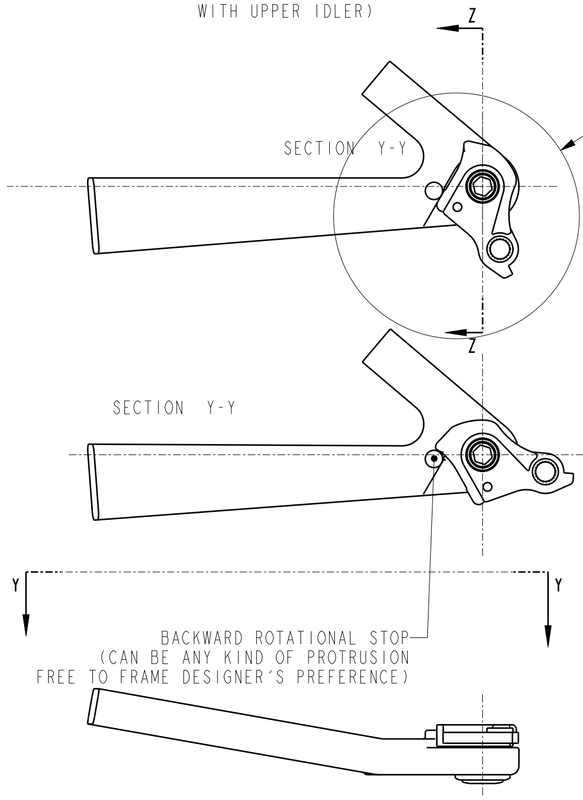
FORWARD ROTATIONAL STOP
MIN CONTACT AREA = $10mm^2$

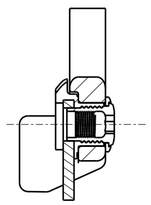


SECTION Y-Y
SCALE 1.500

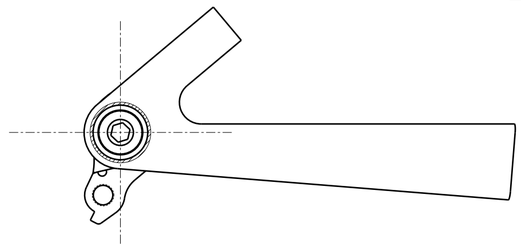


SECTION Z-Z





SECTION Z-Z

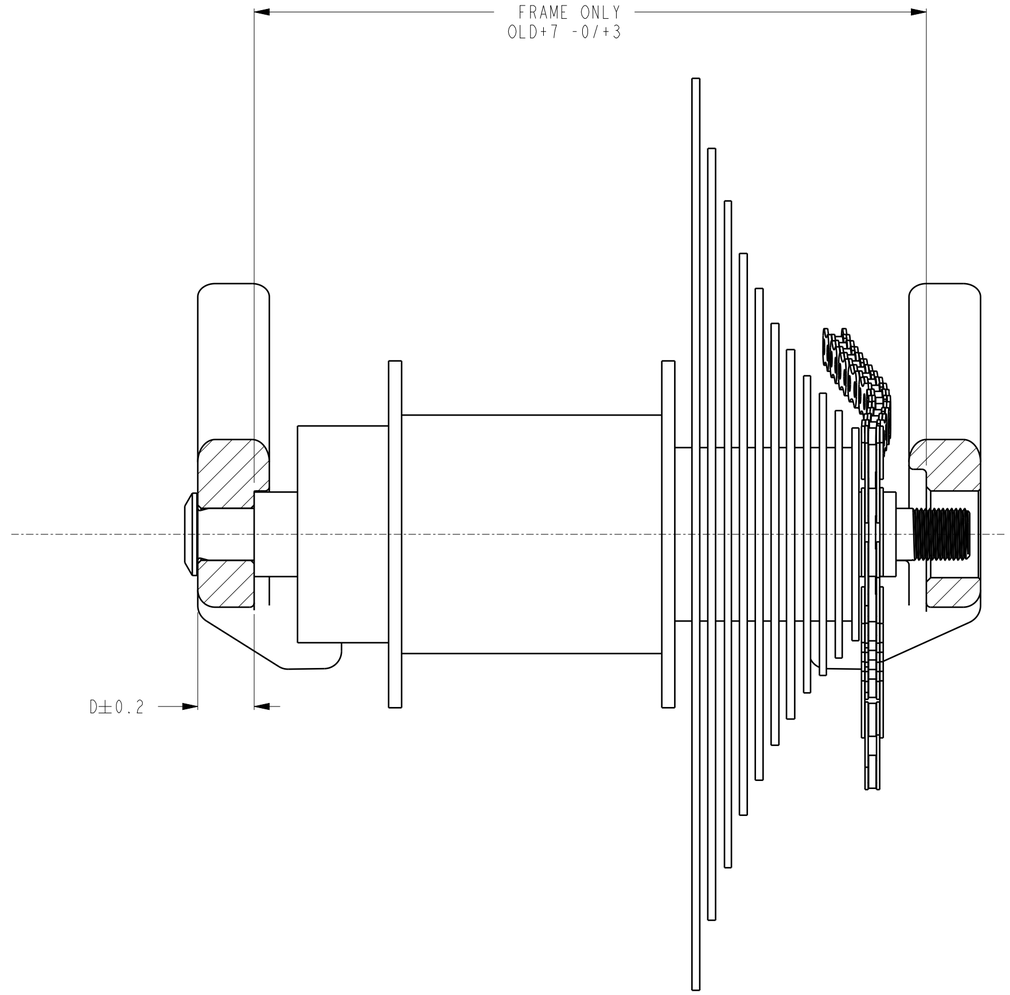


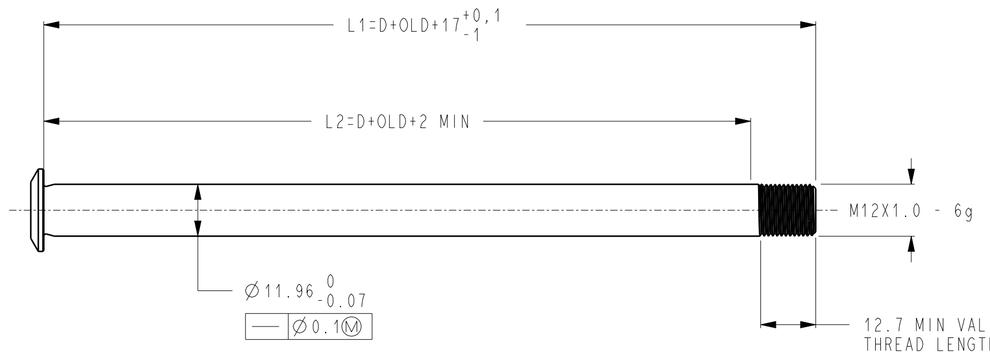
REFER TO HANGERLESS INTERFACE CLEARANCE MODEL
90-7518-190-070 REVISION H FOR 3D INSPECTION

USE DESCRIPTION ON SHEET 5 TO ALIGN THE CLEARANCE MODEL CORRECTLY

FORMAT: A2	SCALE: 0.500	SHEET: 2 / 8
LIFECYCLE STATUS Released	SRAM CONFIDENTIAL - THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO SRAM CORPORATION AND MAY NOT BE DISCLOSED WITHOUT PERMISSION.	
DRAWING NAME / DESCRIPTION UDH&FULL_MOUNT_RD_FRAME_SPEC		
DRAWING NUMBER 90-7518-190-000		VERSION H.14

APPLIES TO SYSTEMS WITH 142mm, 148mm or 157mm OLD





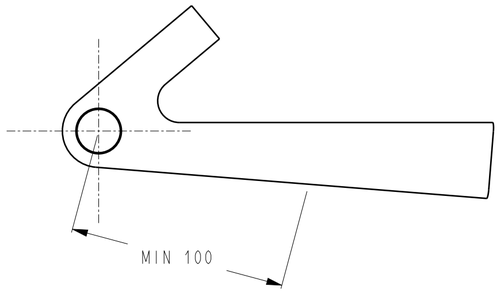
FORMAT: A2	SCALE: 1.000	SHEET: 3 / 8
LIFECYCLE STATUS Released	SRAM. CONFIDENTIAL - THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO SRAM CORPORATION AND MAY NOT BE DISCLOSED WITHOUT PERMISSION.	
DRAWING NAME / DESCRIPTION UDH&FULL_MOUNT_RD_FRAME_SPEC		
DRAWING NUMBER 90-7518-190-000		VERSION H.14

NAMED 3D MODELS CAN BE FOUND IN "UDH&FULL_MOUNT_RD_3D_MODELS_REV_H.stp".

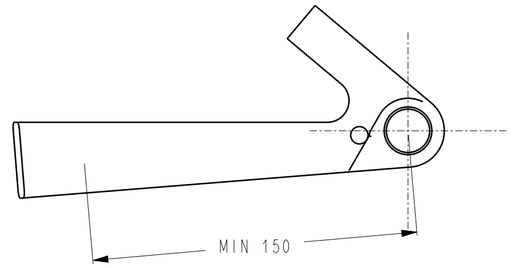
PROPOSED CABLE HOUSING EXIT POINTS AT THE FRAME NEED TO BE VERIFIED DEPENDING ON THE SUSPENSION DESIGN

FOR COMPATIBILITY WITH THE AXS SRAM EXTENSION CORD, A CYLINDER (DIAMETER=5.8, LENGTH=19) MUST PASS THROUGH THE DESIGNATED INTERNAL CABLE ROUTING PATH OF THE FRAME.

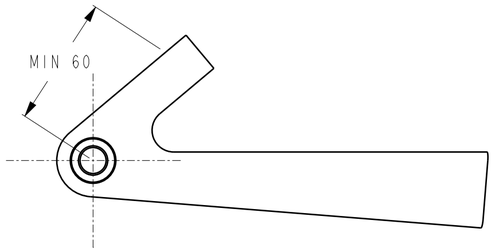
USE DEDICATED DERAILLEUR CABLES AND HOUSINGS WITH COMPRESSIONLESS HOUSING, LOW FRICTION LINER, ALUMINUM FERRULES, WITHOUT SEALING AND 1.1MM POLISHED CABLE.
FERRULE DIAMETER 5.7+0.1 MM. CONTINUOUS HOUSING ONLY.
MAXIMUM TOTAL BEND ANGLE OF 500°. MINIMUM BEND RADIUS OF 50MM.
AVOID : S-BENDS WITH SMALL RADII AND PINCH SPOTS (HIGH HOUSING CLAMPING FORCE).
EXIT AT THE REAR END BEST AT SEAT STAY OR ON TOP OF THE CHAIN STAY.
MINIMIZE CABLE BENDING DUE TO SUSPENSION AND HANDLEBAR MOTION



LESS PREFERRED
CABLE EXIT ON THE BOTTOM OF THE CHAINSTAY

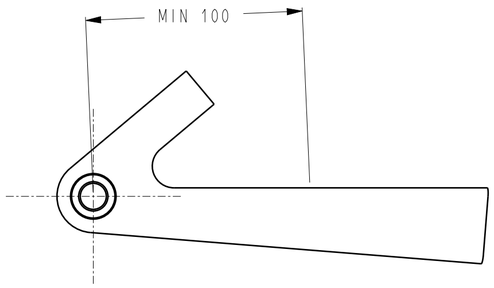


LESS PREFERRED
CABLE EXIT ON THE INSIDE OF THE CHAINSTAY



PREFERRED
CABLE EXIT ON TOP OF THE SEAT STAY

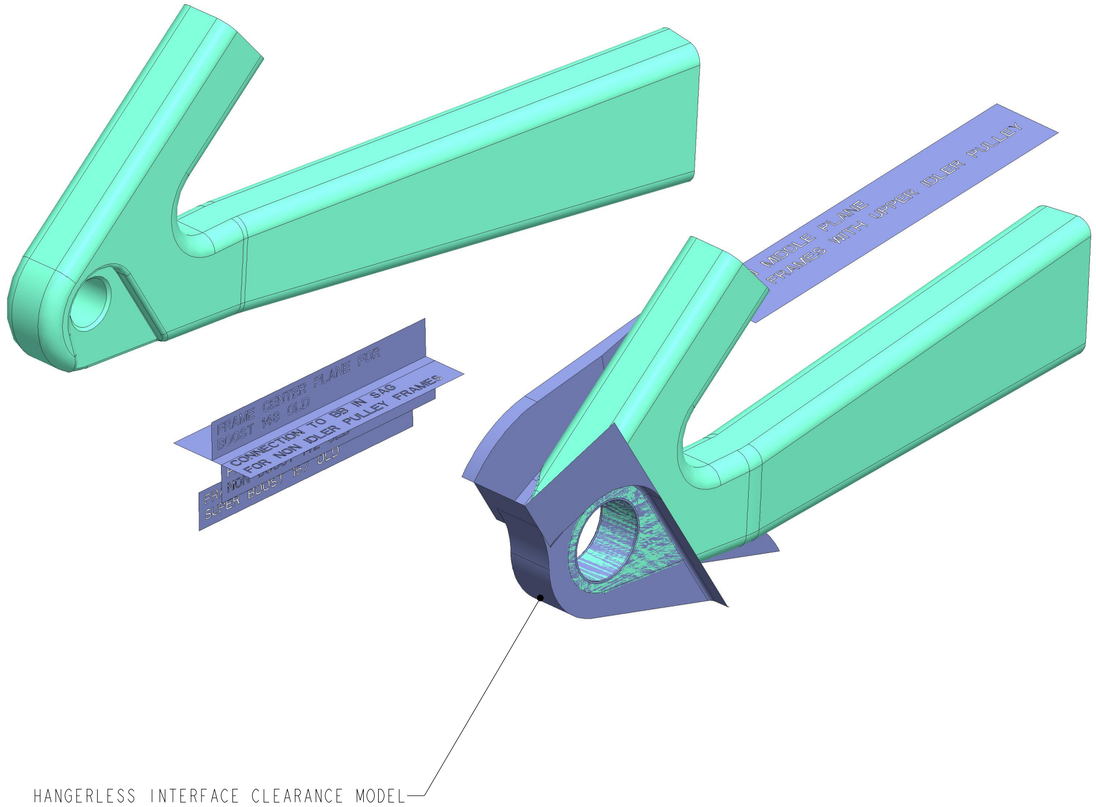
REFER TO REAR CABLE ENTRANCE DUMMY 90-7518-190-080
FOR REAR CABLE ENTRANCE LOCATION



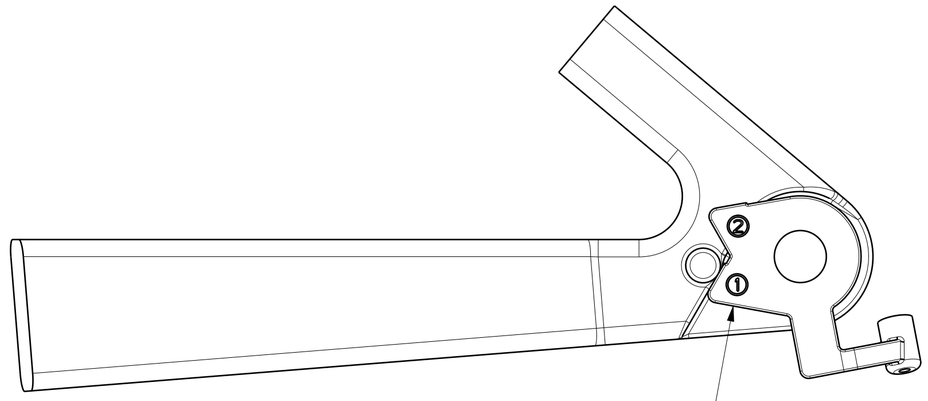
PREFERRED
CABLE EXIT ON TOP OF THE CHAIN STAY

FORMAT: A2	SCALE: 0.500	SHEET: 4 / 8
LIFECYCLE STATUS Released	SRAM. CONFIDENTIAL - THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO SRAM CORPORATION AND MAY NOT BE DISCLOSED WITHOUT PERMISSION.	
DRAWING NAME / DESCRIPTION UDH&FULL_MOUNT_RD_FRAME_SPEC		
DRAWING NUMBER 90-7518-190-000		VERSION H.14

PLEASE REFERENCE ALL MODELS USING THE COORDINATE SYSTEM WITH:
X-AXIS ALIGNED WITH HUB AXIS.
X-PLANE ALIGNED WITH END FACE OF DRIVE-SIDE HUB AXLE END CAP.
FRAMES WITHOUT UPPER IDLER PULLEY: Y-AXIS ALIGNED WITH A PLANE DEFINED BY THE HUB AXIS AND THE BOTTOM BRACKET AXIS IN THE SAG POSITION.
FRAMES WITH UPPER IDLER PULLEY: "CHAIN MIDDLE PLANE" ALIGNED WITH TANGENTIAL PLANE DEFINED BY THE SMALLEST COG PITCH CIRCLE DIAMETER (41.1mm) AND THE IDLER PULLEY PITCH CICLE DIAMETER IN THE SAG POSITION.
NAMED 3D MODELS CAN BE FOUND IN "UDH&FULL_MOUNT_RD_3D_MODELS_REV_H.stp".

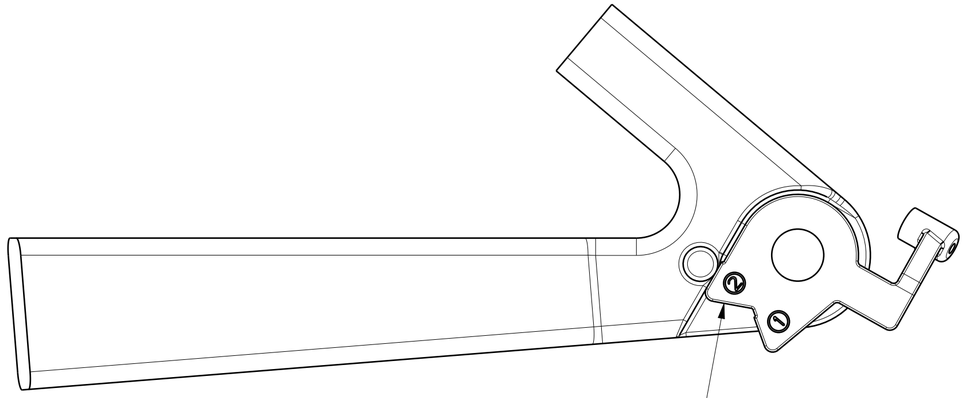


HANGERLESS INTERFACE CLEARANCE MODEL
90-7518-190-070 REVISION H



REAR CABLE ENTRANCE DUMMY 90-7518-190-080
ALLIGN TO CONTACT 1 FOR OPERATIONAL STATE

SECTION Y-Y



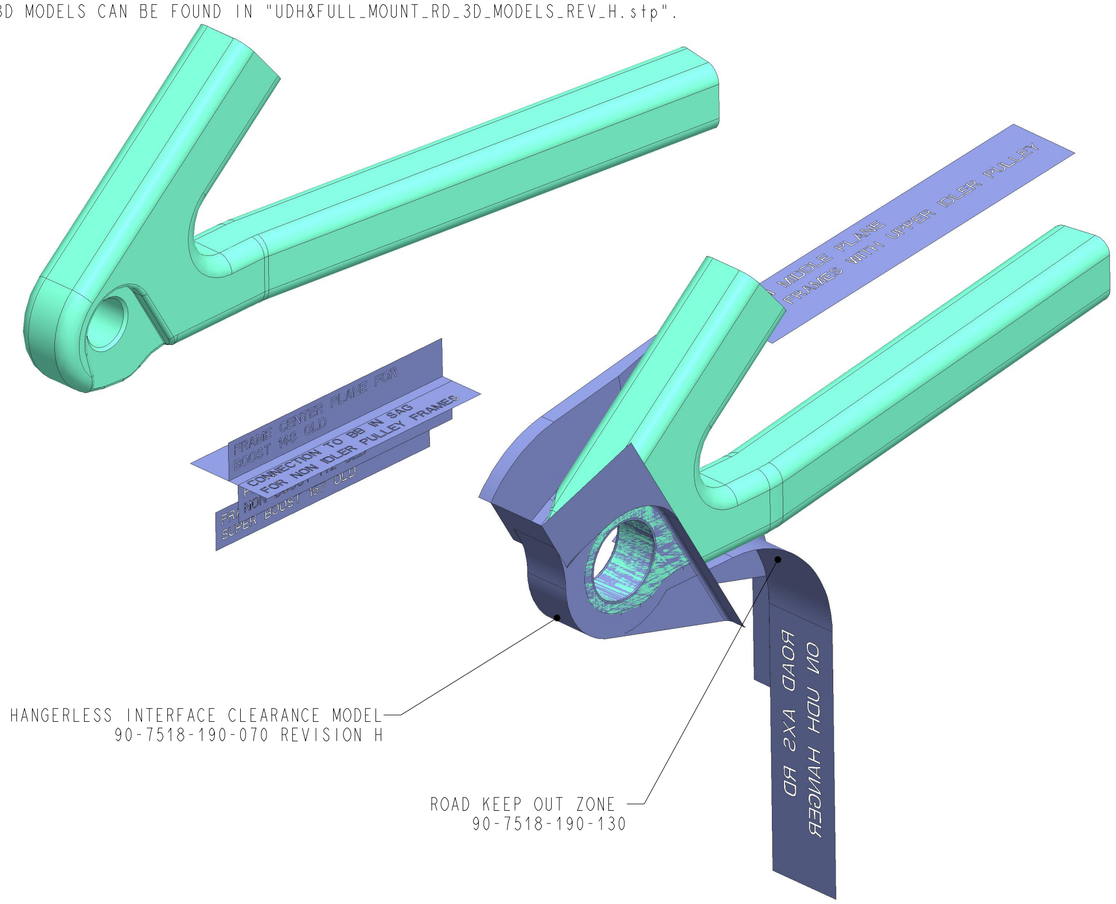
ALLIGN TO CONTACT 2 FOR WHEEL REMOVAL STATE
(50 DEGREES FROM OPERATIONAL STATE)

SECTION Y-Y

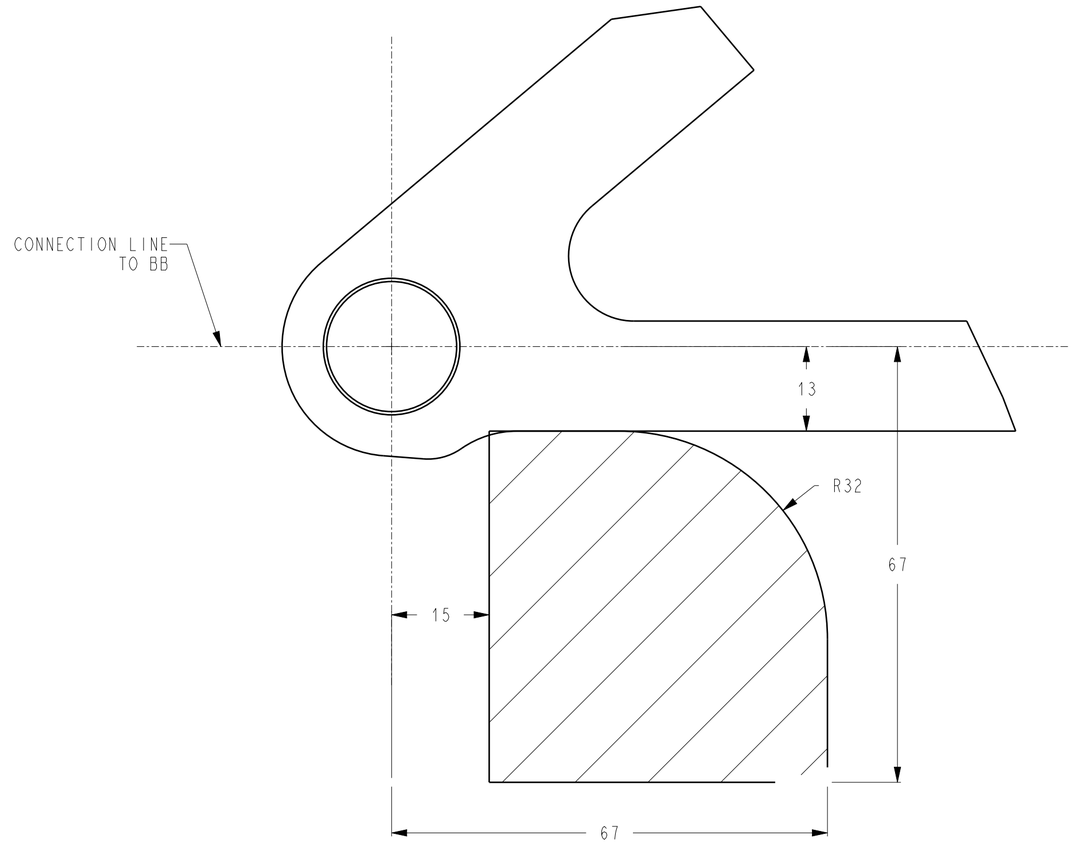
FORMAT: A2	SCALE: 0.500	SHEET: 5 / 8
LIFECYCLE STATUS Released	SRAM. 	
DRAWING NAME / DESCRIPTION UDH&FULL_MOUNT_RD_FRAME_SPEC		
DRAWING NUMBER 90-7518-190-000		VERSION H.14

FOR THE USE OF ROAD AXS RD ON UDH PLEASE USE 90-7518-190-130 (ROAD KEEP OUT ZONE) IN ADDITION TO 90-7518-190-070 REV H (HANGERLESS INTERFACE CLEARANCE MODEL) FOR 3D VERIFICATION.

PLEASE REFERENCE ALL MODELS USING THE COORDINATE SYSTEM WITH:
X-AXIS ALIGNED WITH HUB AXIS.
X-PLANE ALIGNED WITH END FACE OF DRIVE-SIDE HUB AXLE END CAP.
Y-AXIS ALIGNED WITH A PLANE DEFINED BY THE HUB AXIS AND THE BOTTOM BRACKET AXIS IN THE SAG POSITION.
NAMED 3D MODELS CAN BE FOUND IN "UDH&FULL_MOUNT_RD_3D_MODELS_REV_H.stp".

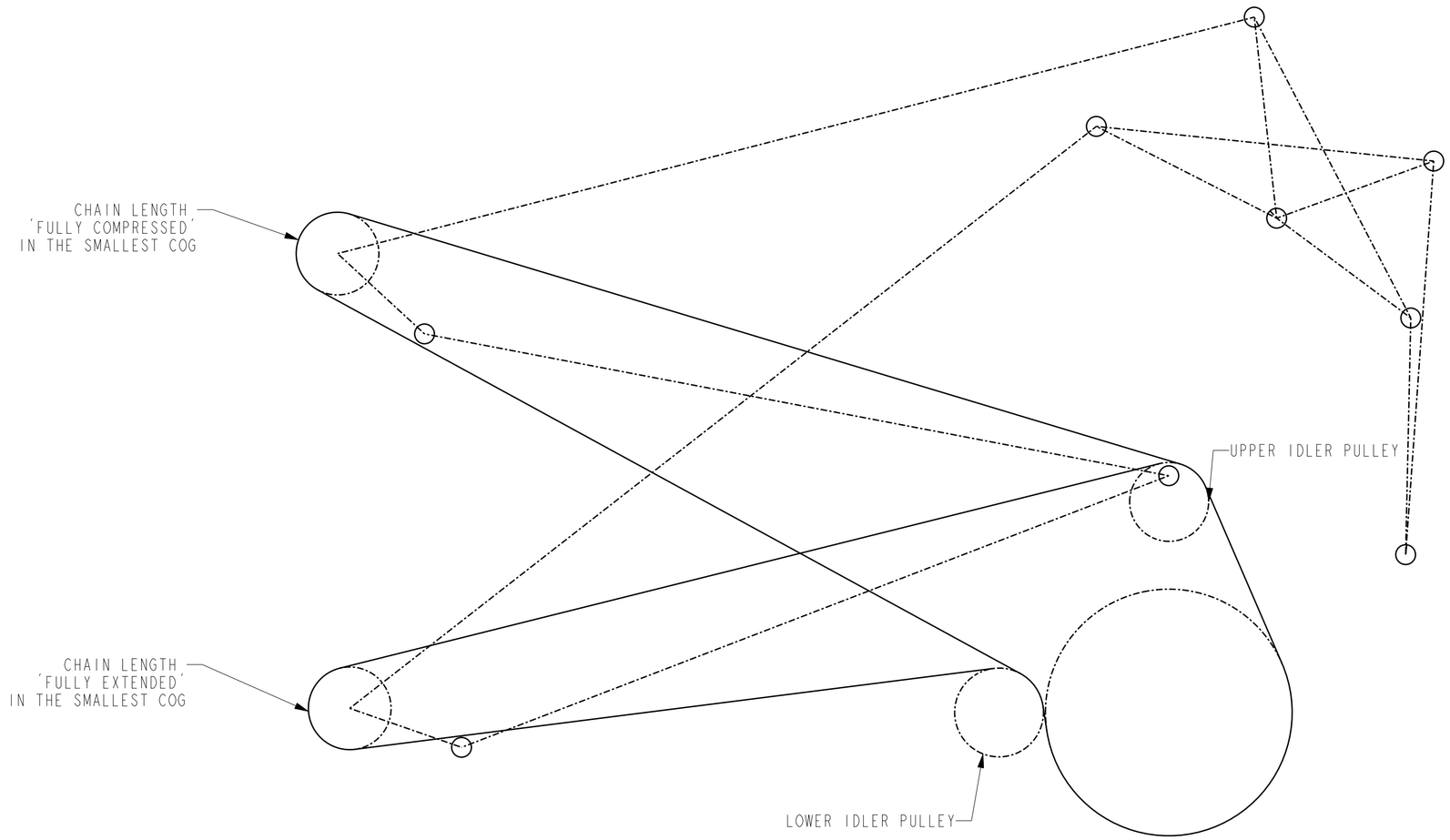


KEEP OUT ZONE FOR ROAD AXS REAR DERAILLEUR ON UDH

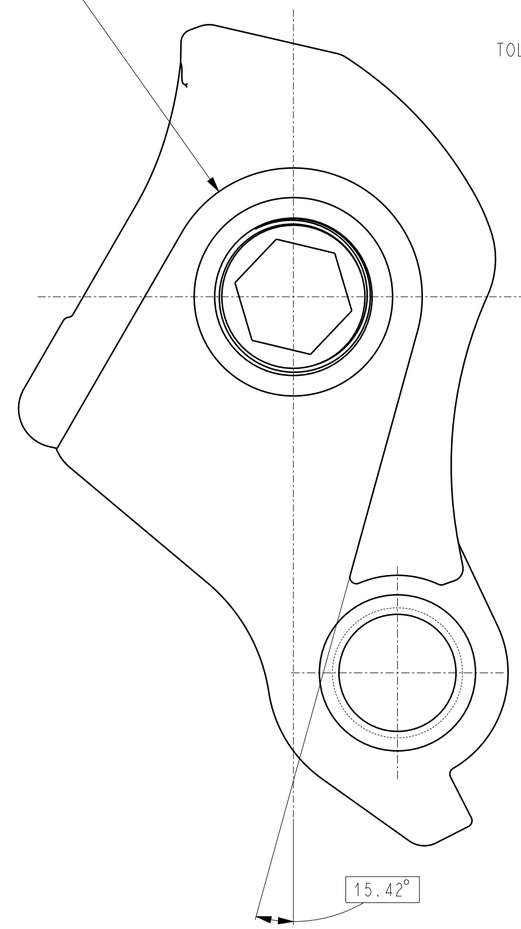


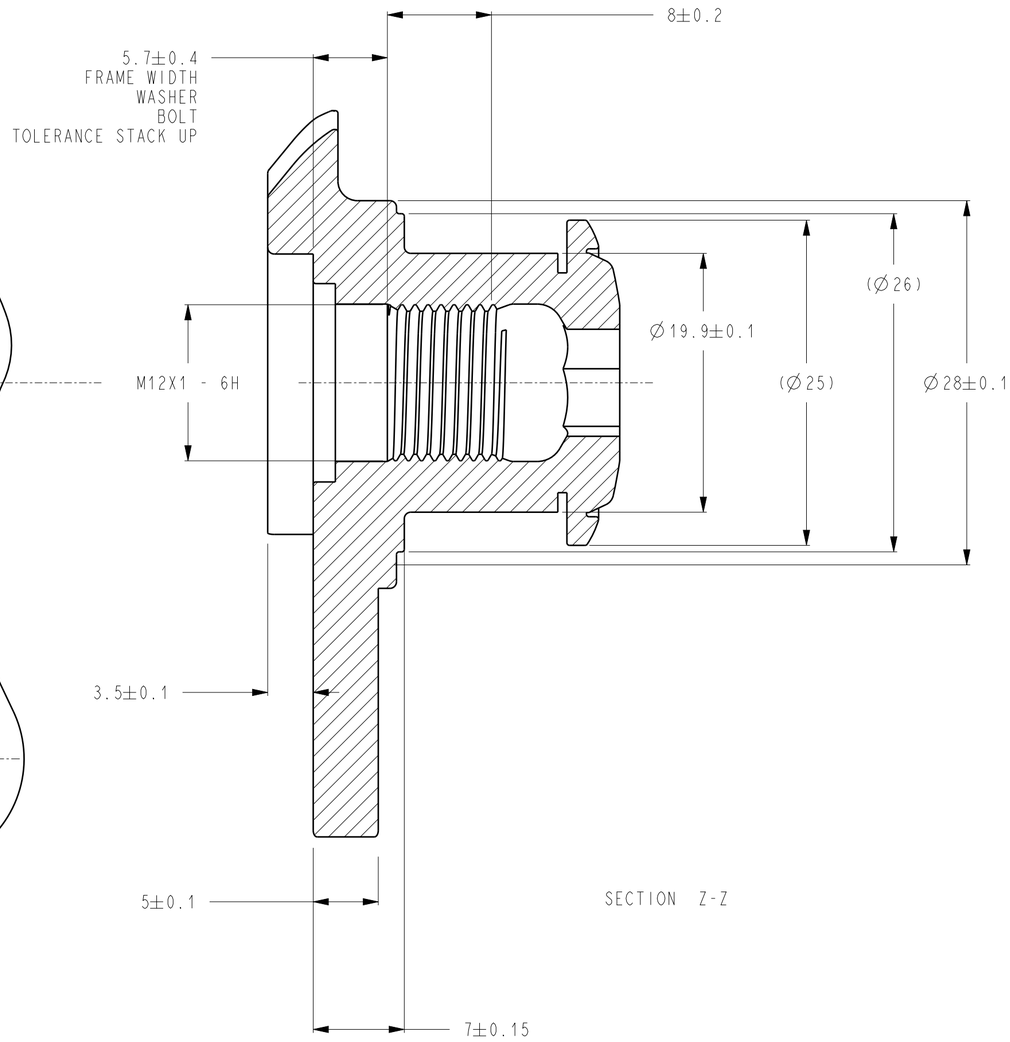
FORMAT: A2	SCALE: 0.500	SHEET: 6 / 8
LIFECYCLE STATUS Released	SRAM. CONFIDENTIAL - THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO SRAM CORPORATION AND MAY NOT BE DISCLOSED WITHOUT PERMISSION.	
DRAWING NAME / DESCRIPTION UDH&FULL_MOUNT_RD_FRAME_SPEC		
DRAWING NUMBER 90-7518-190-000		VERSION H.14

A LOWER IDLER PULLEY IS STRONGLY RECOMMENDED TO STAY WITHIN THE CHAIN GROWTH SPECIFICATION AND ACHIEVE SUFFICENT CHAIN WRAP ON THE CHAINRING IN ALL RIDING CONDITIONS.
THE TOTAL CHAIN GROWTH IS DETERMINED BY CALCULATING THE DELTA BETWEEN CHAIN LENGTH 'FULLY COMPRESSED' AND CHAIN LENGTH 'FULLY EXTENDED' IN THE SMALLEST COG. THE TOTAL CHAIN GROWTH SHOULD NOT EXCEED 54mm
LINKAGE MECHANISM IS JUST FOR ILLUSTRATION

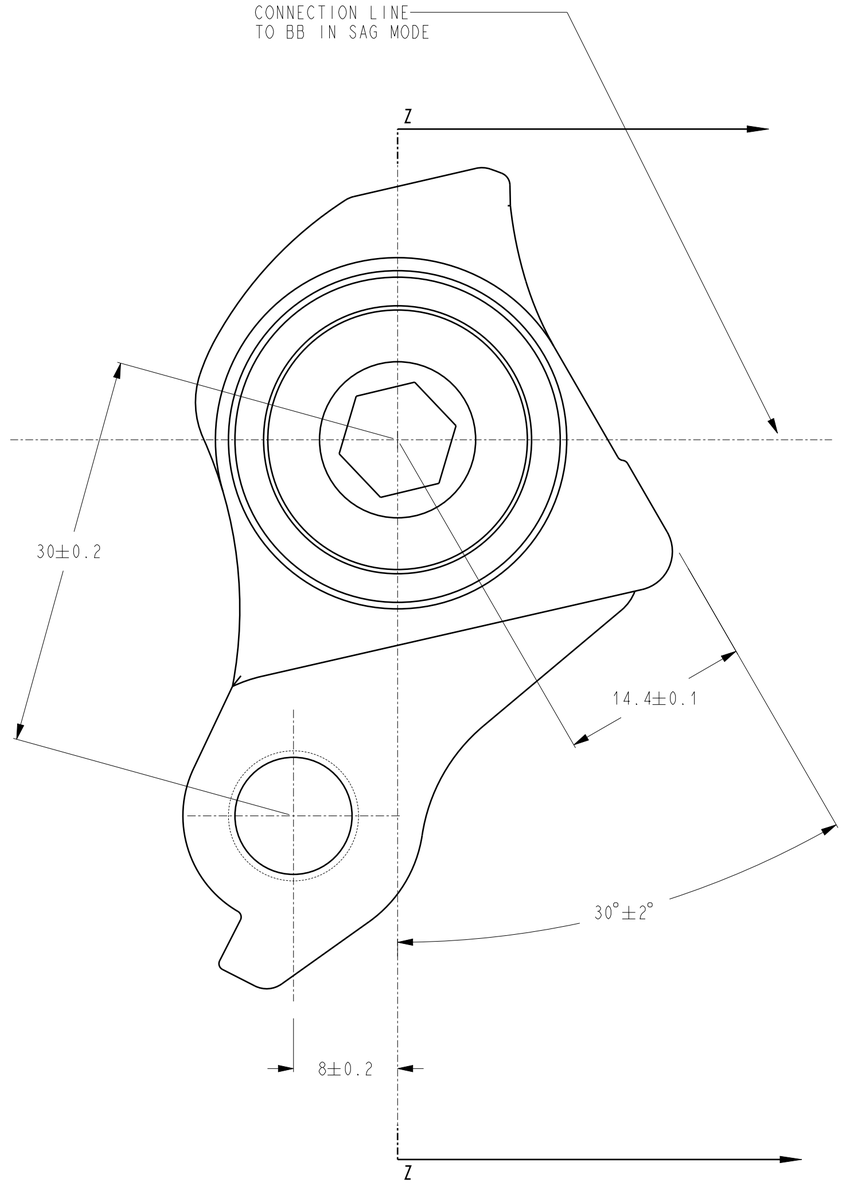


FORMAT: A2	SCALE: 0.500	SHEET: 7 / 8
LIFECYCLE STATUS Released	SRAM. CONFIDENTIAL - THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO SRAM CORPORATION AND MAY NOT BE DISCLOSED WITHOUT PERMISSION.	
DRAWING NAME / DESCRIPTION UDH&FULL_MOUNT_RD_FRAME_SPEC		
DRAWING NUMBER 90-7518-190-000		VERSION H.14





SECTION Z-Z



FORMAT: A2	SCALE: 0.500	SHEET: 8 / 8
LIFECYCLE STATUS Released	SRAM. CONFIDENTIAL - THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO SRAM CORPORATION AND MAY NOT BE DISCLOSED WITHOUT PERMISSION.	
DRAWING NAME / DESCRIPTION UDH&FULL_MOUNT_RD_FRAME_SPEC		
DRAWING NUMBER 90-7518-190-000		VERSION H.14