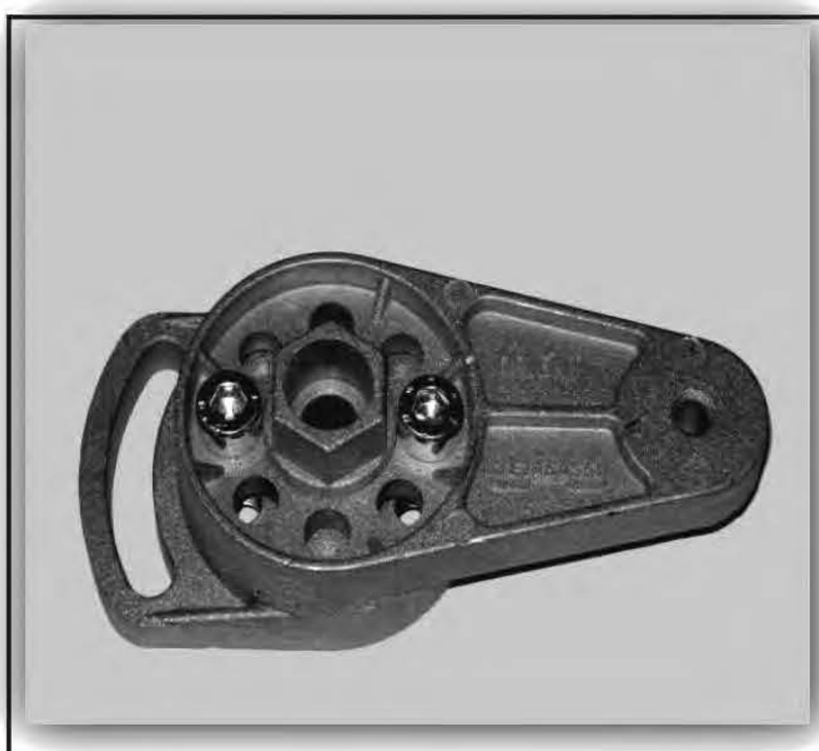
ROTARY TENSIONERS TYPE ORIENT

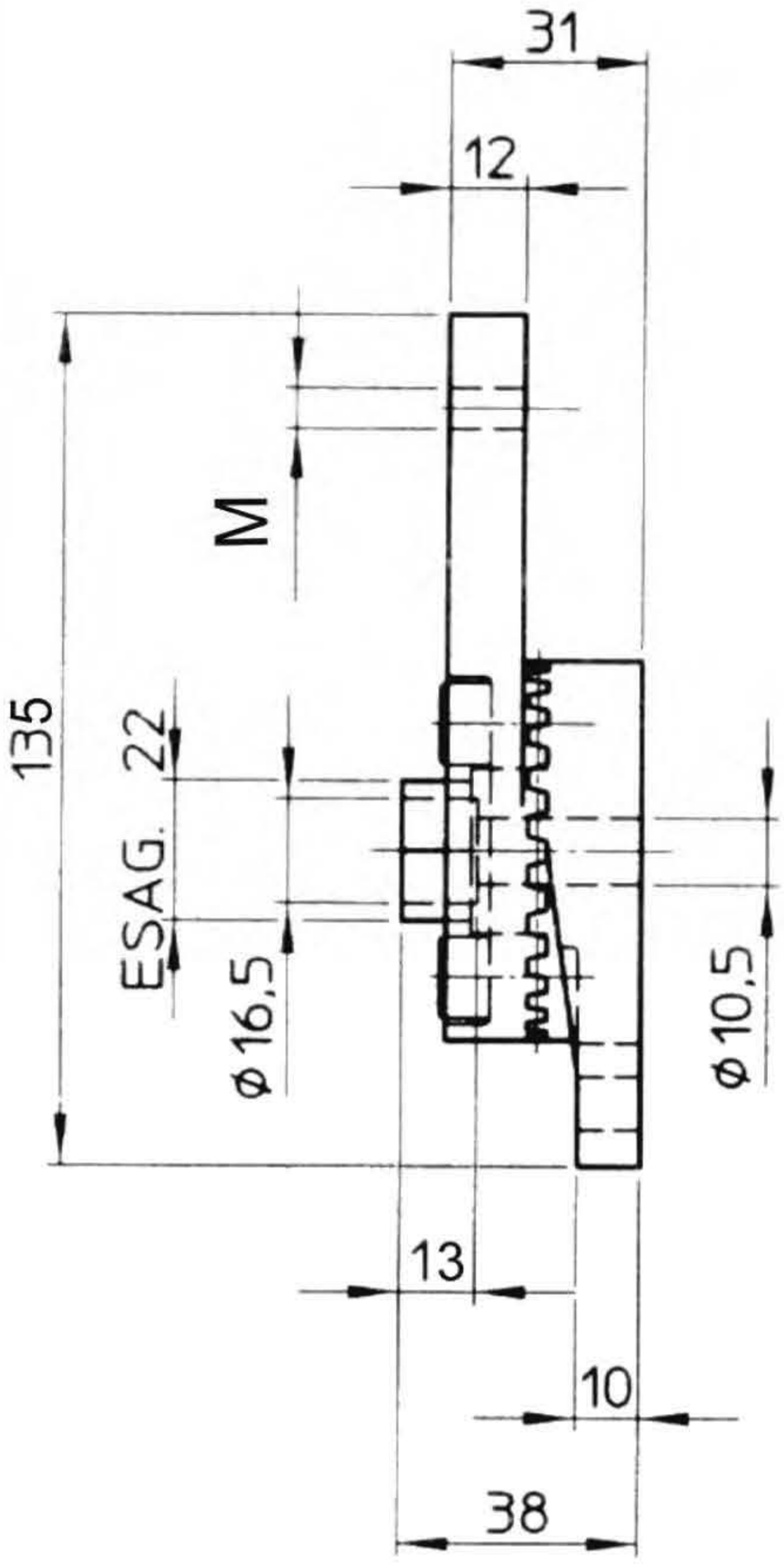
The rotary tensioner type Orient works as a fixed device and inside there are neither halical springs nor elastomers .
Its main characteristic is the fact that it is possible to orient it before or after you assemble it in case the belt or the chain need tension correction .
All that is possible thanks to a toothing located on the base and on the lever which allows you to assemble them at every rotation of 15°degrees for all 360° degrees.
This means that you can have 24 positions between the base and the lever and the anti-rotation buttonhole allows you to be precise.
These two parts are made of a high- strength aluminium alloy :
The base has 6 threaded holes for the rotary fastening of the lever, one for the fastening of itself, one anti-rotation buttonhole to assemble it on the frame (or plane) where there is the belt or the chain that has to be tightened .
Everything is fixed through a central hole made to the frame and to the anti-rotation buttonhole.
We realized an hexagon for standard wrench so it is enough to release the anti-rotation buttonhole and rotate the entire element.
The lever has 8 holes to have a varying fastening to the body and a hole to assemble the pulley or the idler sprocket or the polyethylene head.
At every 15° degrees two holes of the base correspond to the ones located on the lever so using two standard screws you can assemble the tensioner.
This aspect makes it a versatile product that can be used in many situations and it allows you also to have different solutions as far as the overall dimensions and positions.
The lack of synthetic material makes the type **ORIENT** able to work at a temperature up to more than **100°C degrees**(type **ORIENT-P** with a polyethylene head can reach a temperature up to **65°C degrees**).
If you do not need an automatic tensioner It represents a good solution to overall dimensions, position on the machinery and weakening of the belt/chain.
The range can be:
ORIENT with hole 6,5 (boring or threading on demand).
ORIENT-R with idler sprocket .
ORIENT-P with a polyethylene head and with a dynamic friction factor that is 0,06 dry steel.
ORIENT-PUG with a rim pulley and protections.
ORIENT-PU with pulley (on our catalogue you can find pulleys made of different materials and in different measures).

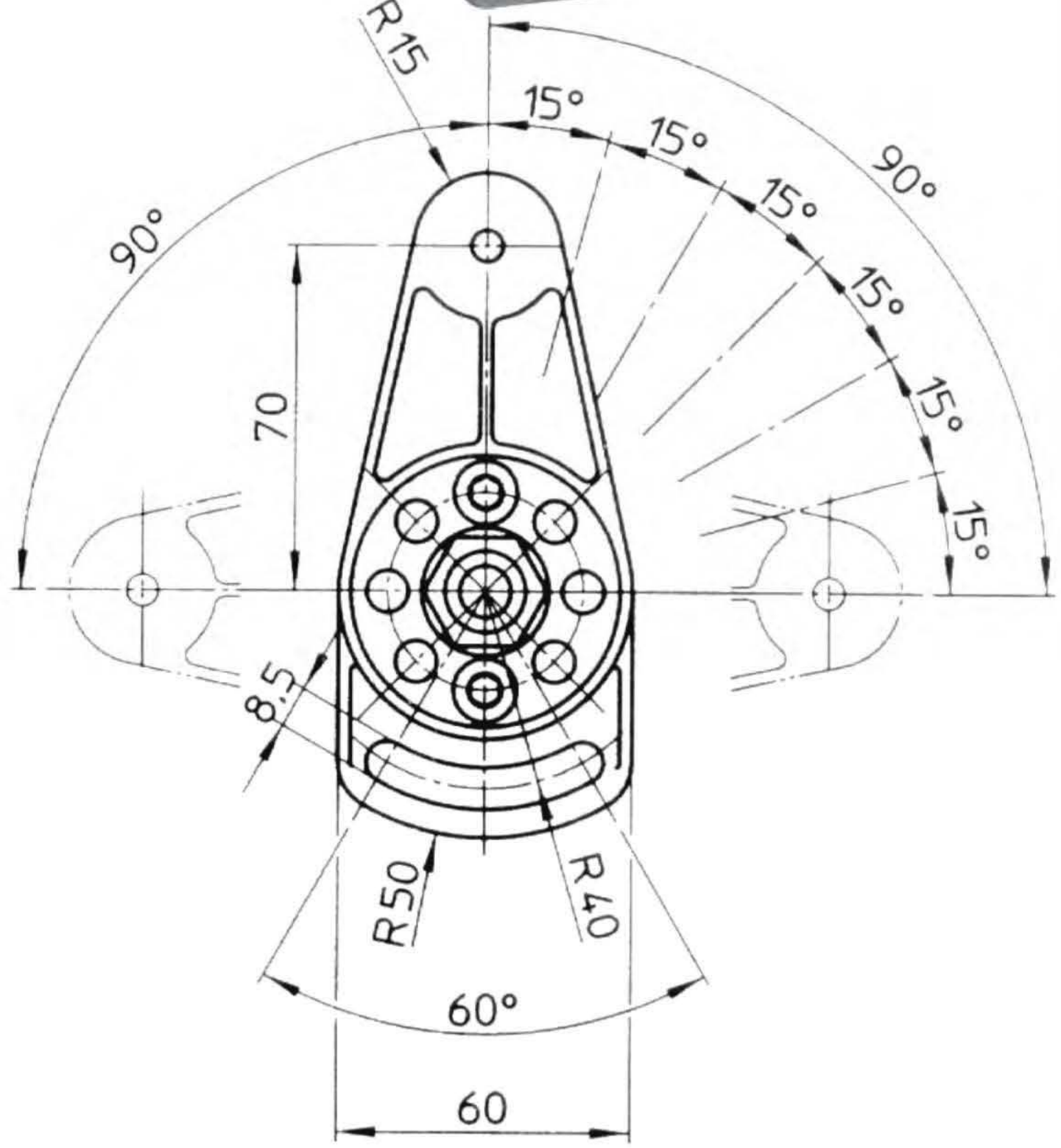




ORIENT

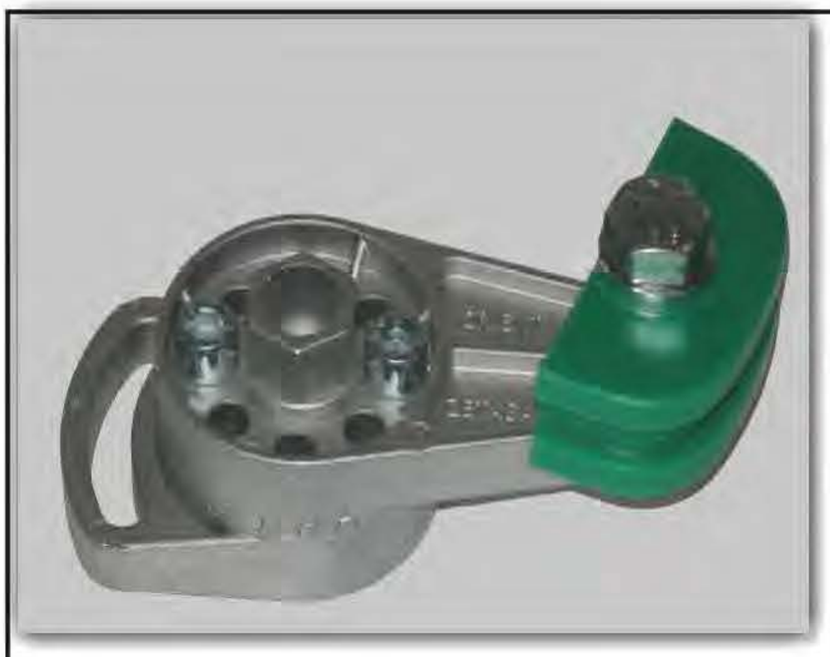






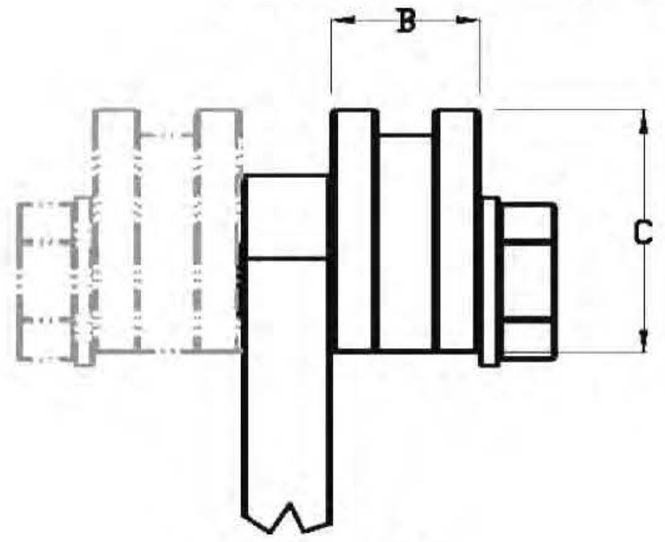
COD	M	Kg
ORIENT	Ø 6,5 m/m	0,444
ORIENT85	Ø 8,5 m/m	0,444
ORIENT105	Ø 10,5 m/m	0,444
ORIENT125	Ø 12,5 m/m	0,444
ORIENTM8	M8x 1,25	0,444
ORIENTM10	M10 x 1,5	0,444
ORIENTM12	M12 x 1,75	0,444

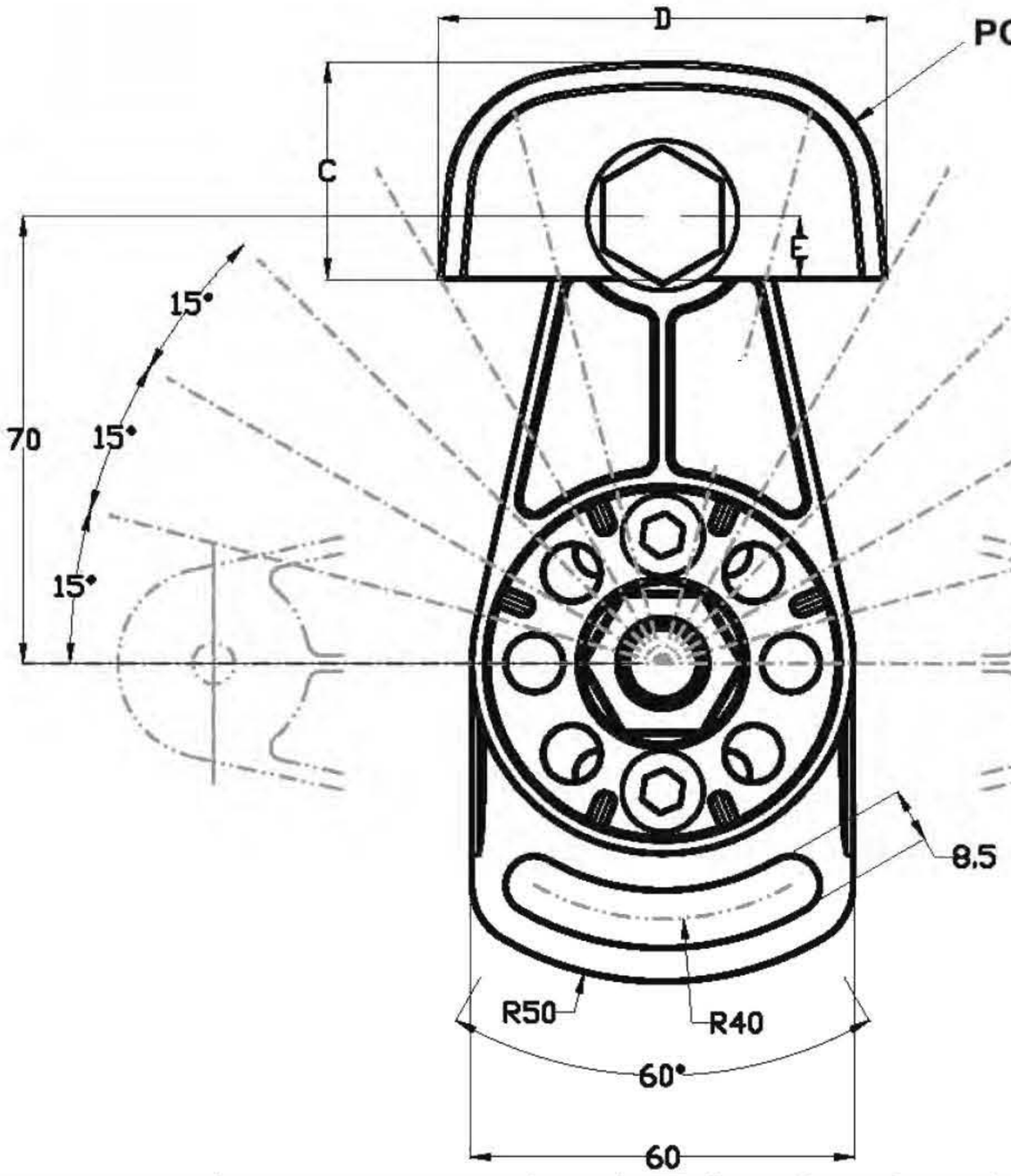
M	On demand we can make different threads compared to those you can see on our catalogue

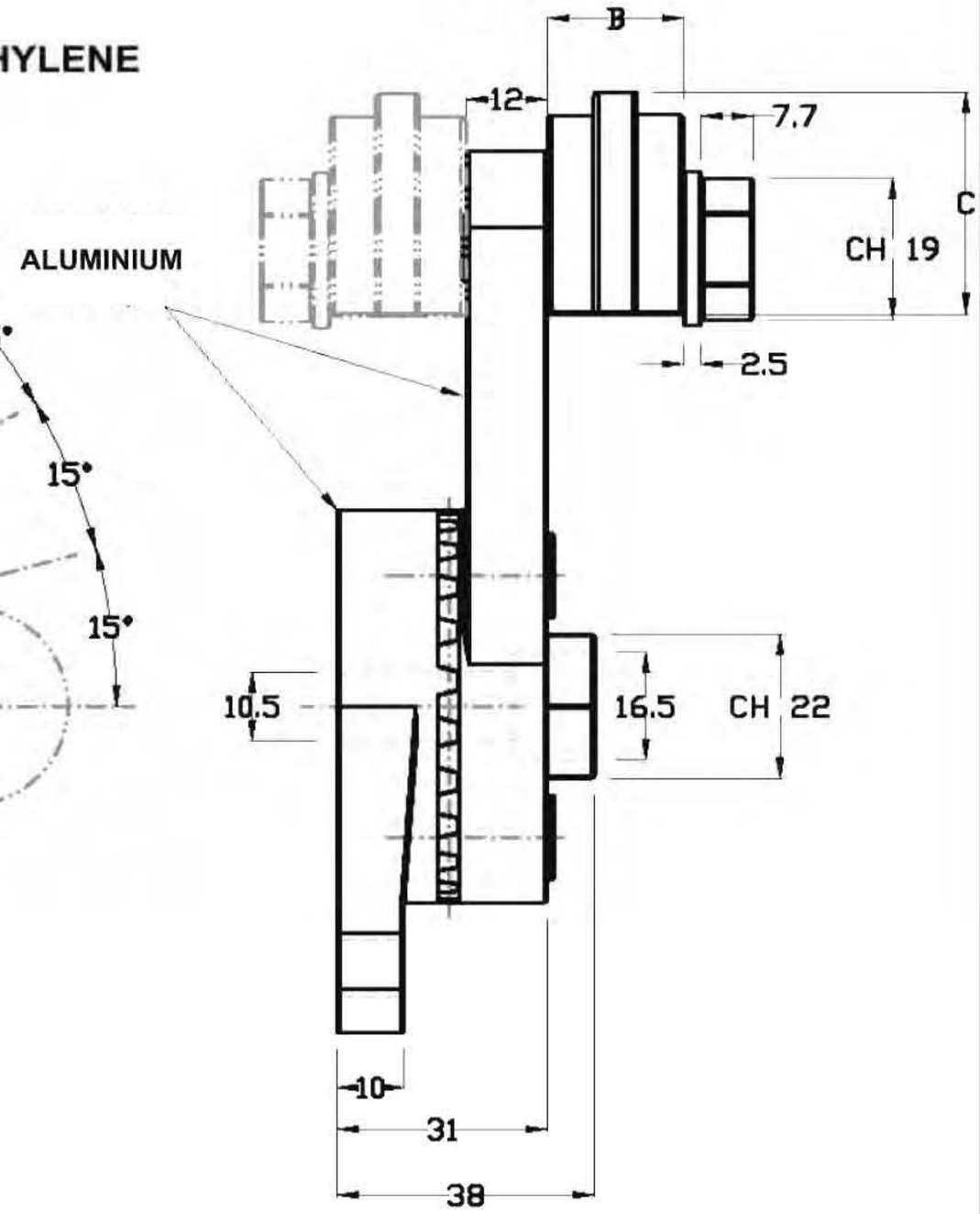


ORIENT P

OVAL HEAD







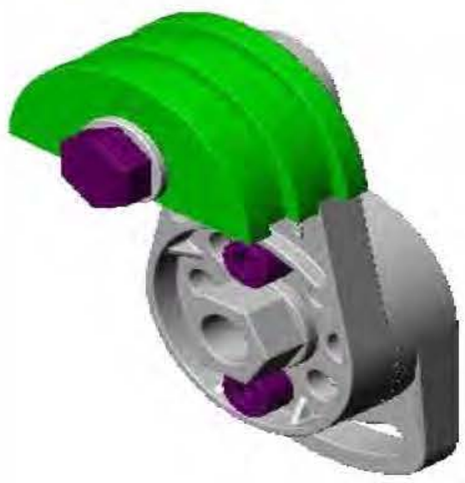
COD	CHAIN PITCH		B	C	D	E	Kg
ORIENTPO38S	3/8" x 7/32"	06B1	20	34	70	10	0,505
ORIENTPO38D	3/8" x 7/32"	06B2	20	34	70	10	0,508
ORIENTPO12S	1/2" x 5/16"	08B1	20	34	70	10	0,505
ORIENTPO12D	1/2" x 5/16"	08B2	20	34	70	10	0,507
ORIENTPO58S	5/8" x 3/8"	10B1	22	44	90	14	0,535
ORIENTPO58D	5/8" x 3/8"	10B2	25	44	90	14	0,552
ORIENTPO34S	3/4" x 7/16"	12B1	22	44	90	14	0,535
ORIENTPO34D	3/4" x 7/16"	12B2	30	44	90	14	0,571
ORIENTPO1S	1" x 17 m\m	16B1	25	54	110	18,5	0,588
ORIENTPO114S	1"1/4 x 3/4"	20B1	25	54	110	18,5	0,591
ORIENTPO112S	1"1/2 x 1"	24B1	25	54	110	18,5	0,594

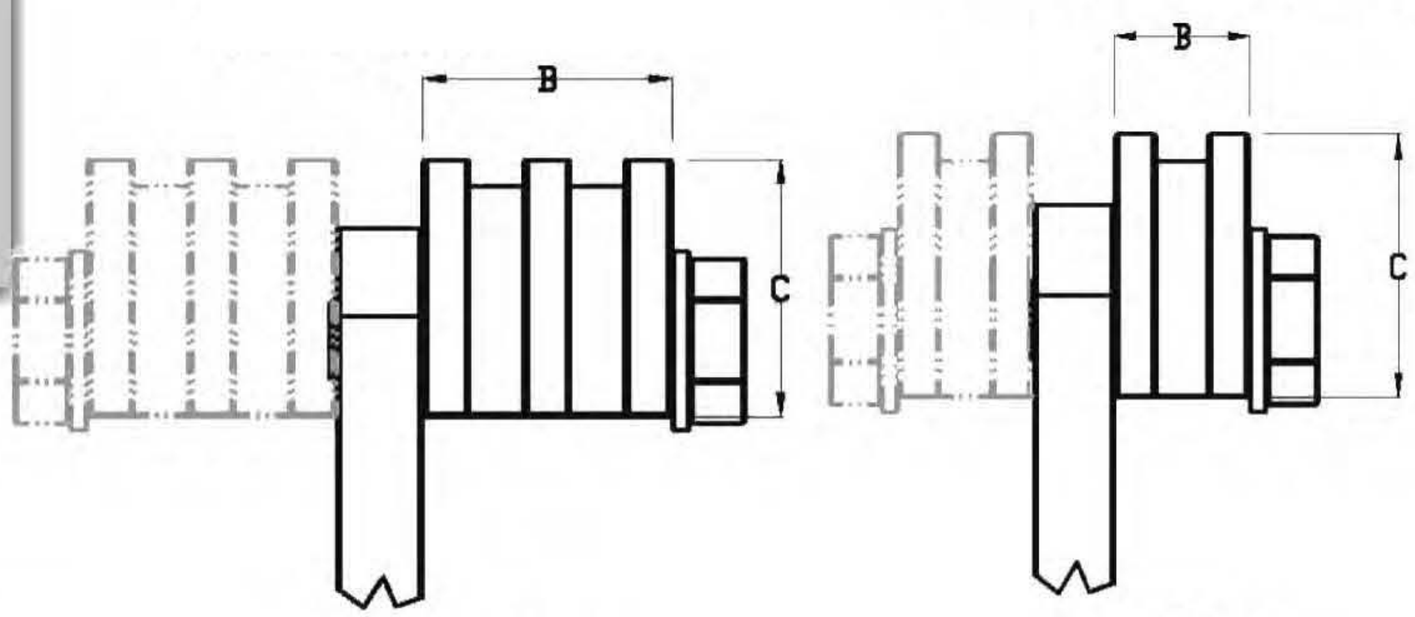
COD	CHAIN PITCH		B	C	D	E	Kg
ORIENTPOASA35S	ASA35	06C.1	20	34	70	10	0,507
ORIENTPOASA35D	ASA35.2	06C.2	20	34	70	10	0,507
ORIENTPOASA40S	ASA40	08A.1	20	34	70	10	0,507
ORIENTPOASA40D	ASA40.2	08A.2	25	34	70	10	0,52
ORIENTPOASA50S	ASA50	10A.1	22	44	90	14	0,537
ORIENTPOASA50D	ASA50.2	10A.2	30	44	90	14	0,55
ORIENTPOASA60S	ASA60	12A.1	22	44	90	14	0,547
ORIENTPOASA80S	ASA80	16A.1	25	54	110	18,5	0,589
ORIENTPOASA100S	ASA100	20A.1	25	54	110	18,5	0,589
ORIENTPOASA120S	ASAS120	24A.1	25	54	110	18,5	0,589

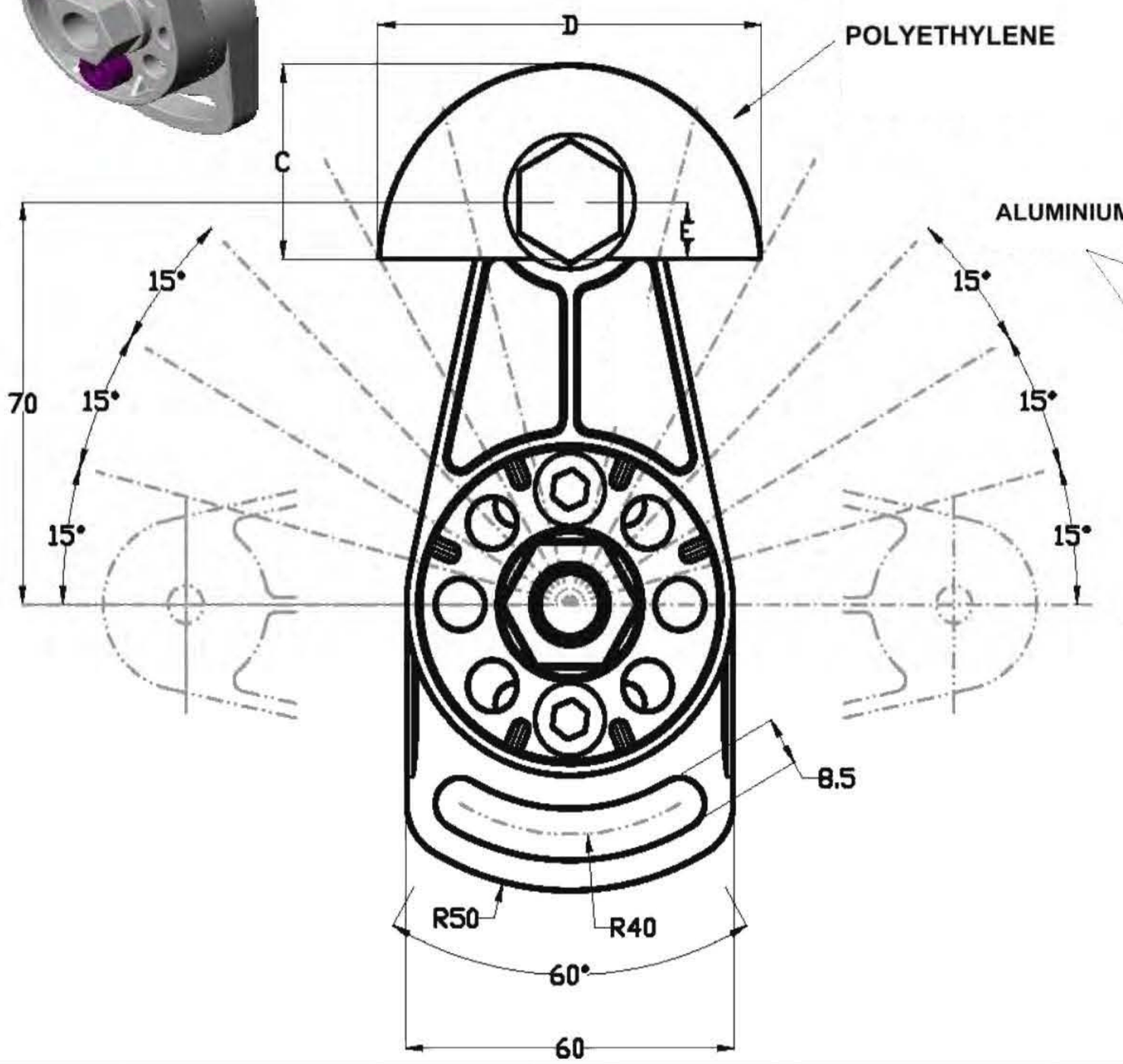
ORIENT P

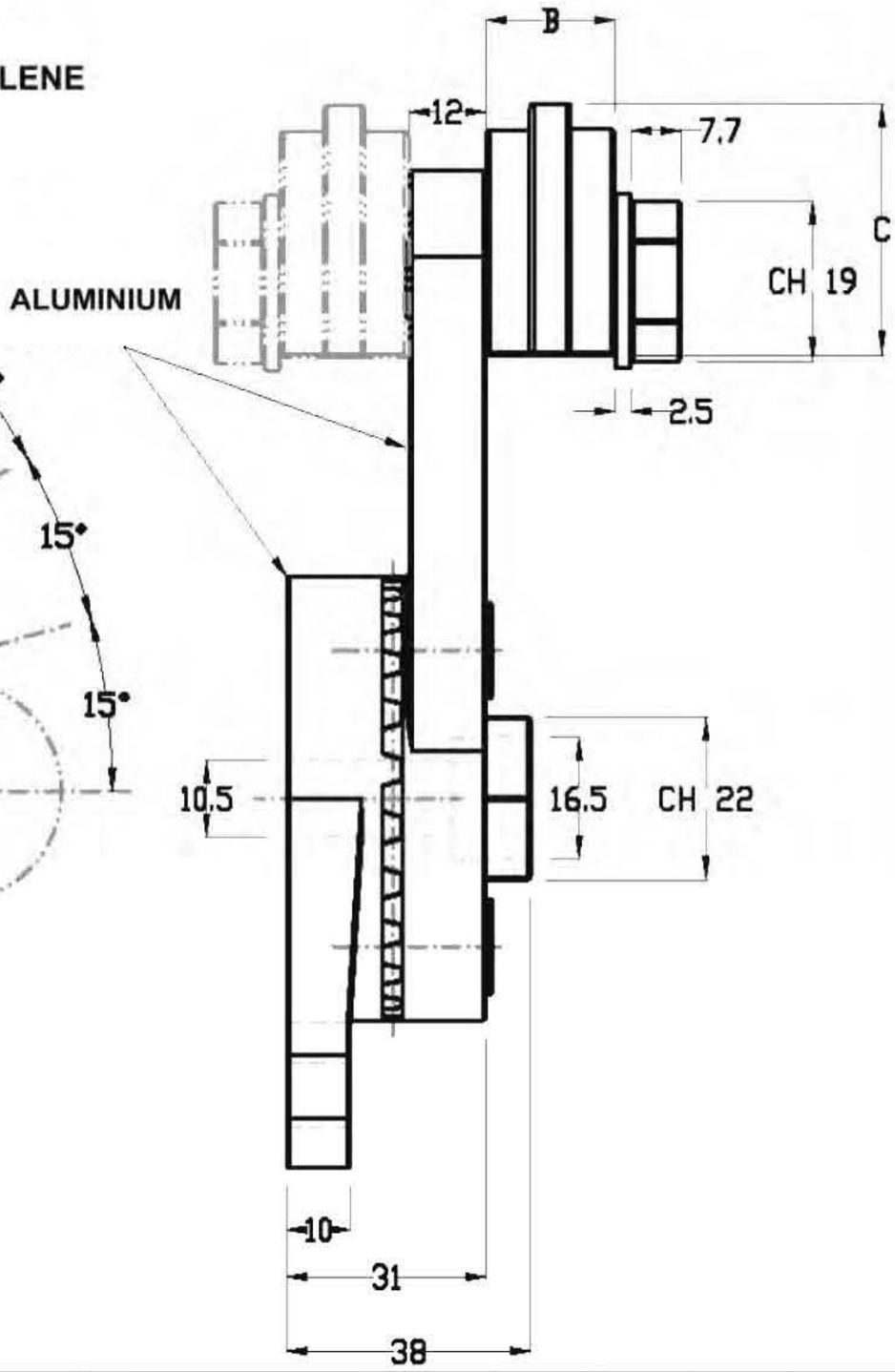
ROUND HEAD











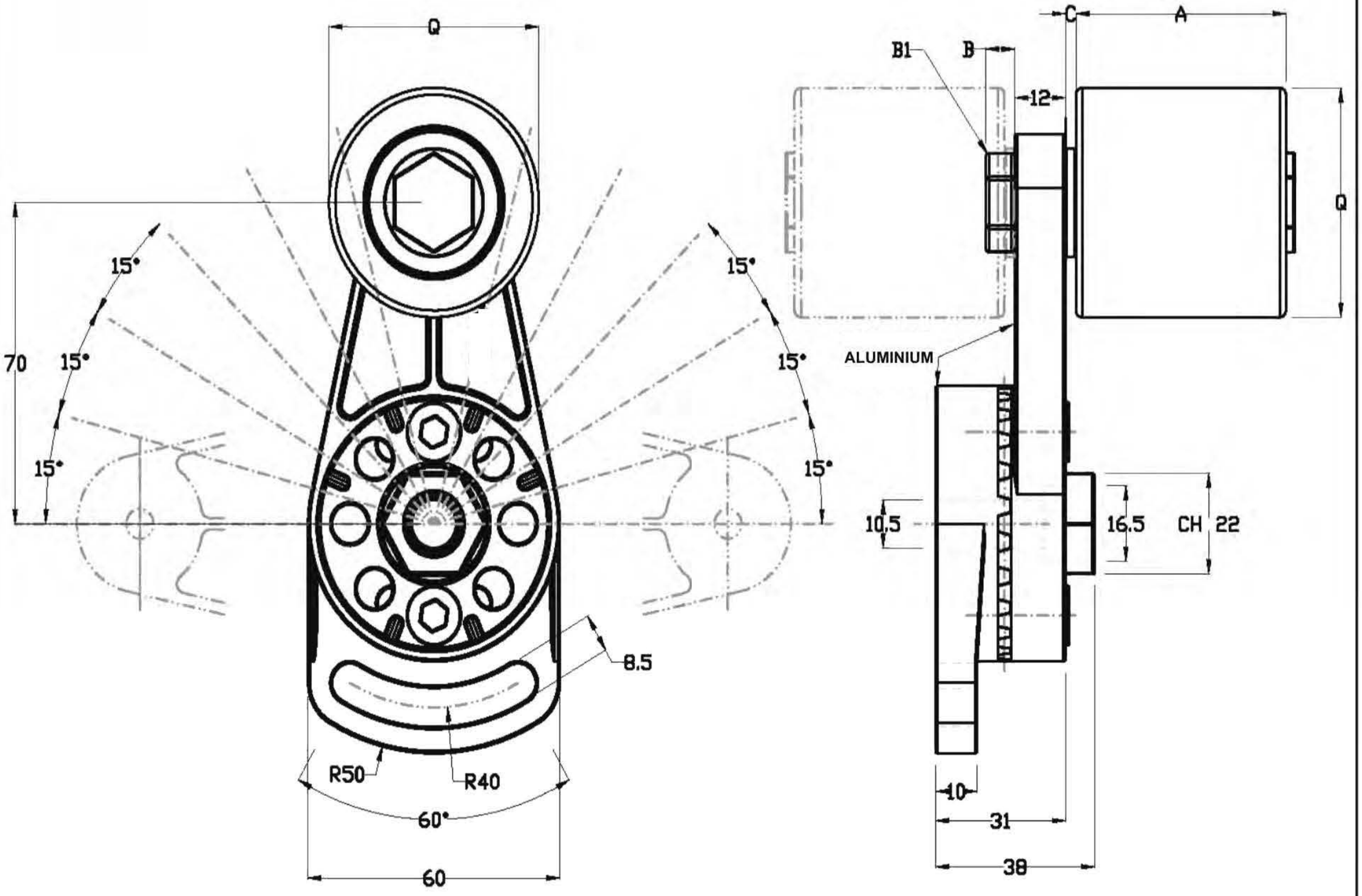
COD	CHAIN PITCH		B	C	D	E	Kg
ORIENTPT38S	3/8" x 7/32"	06B1	20	34	70	10	0,501
ORIENTPT38D	3/8" x 7/32"	06B2	20	34	70	10	0,503
ORIENTPT38T	3/8" x 7/32"	06B3	26	34	70	10	0,512
ORIENTPT12S	1/2" x 5/16"	08B1	20	34	70	10	0,501
ORIENTPT12D	1/2" x 5/16"	08B2	20	34	70	10	0,503
ORIENTPT12T	1/2" x 5/16"	08B3	34,5	34	70	10	0,53
ORIENTPT58S	5/8" x 3/8"	10B1	22	44	90	14	0,528
ORIENTPT58D	5/8" x 3/8"	10B2	25	44	90	14	0,54
ORIENTPT58T	5/8" x 3/8"	10B3	41,5	44	90	14	0,592
ORIENTPT34S	3/4" x 7/16"	12B1	22	44	90	14	0,53
ORIENTPT34D	3/4" x 7/16"	12B2	30	44	90	14	0,561
ORIENTPT34T	3/4" x 7/16"	12B3	49	44	90	14	0,617
ORIENTPT1S	1" x 17 m\m	16B1	25	54	110	18,5	0,573
ORIENTPT1D	1" x 17 m\m	16B2	46	54	110	18,5	0,668
ORIENTPT114S	1"1/4 x 3/4"	20B1	25	54	110	18,5	0,579
ORIENTPT112S	1"1/2 x 1"	24B1	25	54	110	18,5	0,582

COD	CHAIN PITCH		B	C	D	E	Kg
ORIENTPTASA35S	ASA35	06C.1	20	34	70	10	0,507
ORIENTPTASA35D	ASA35.2	06C.2	20	34	70	10	0,507
ORIENTPTASA35T	ASA35.3	06C.3	24,4	34	70	10	0,513
ORIENTPTASA40S	ASA40	08A.1	20	34	70	10	0,507
ORIENTPTASA40D	ASA40.2	08A.2	25	34	70	10	0,52
ORIENTPTASA40T	ASA40.3	08A.3	36	34	70	10	0,539
ORIENTPTASA50S	ASA50	10A.1	22	44	90	14	0,537
ORIENTPTASA50D	ASA50.2	10A.2	30	44	90	14	0,57
ORIENTPTASA50T	ASA50.3	10A.3	44,8	44	90	14	0,608
ORIENTPTASA60S	ASA60	12A.1	22	44	90	14	0,537
ORIENTPTASA60D	ASA60.2	12A.2	34,8	44	90	14	0,573
ORIENTPTASA60T	ASA60.3	12A.3	57,6	44	90	14	0,649
ORIENTPTASA80S	ASA80	16A.1	25	54	110	18,5	0,589
ORIENTPTASA80D	ASA80.2	16A.2	44,3	54	110	18,5	0,664
ORIENTPTASA80T	ASA80.3	16A.3	73,6	54	110	18,5	0,802
ORIENTPTASA100S	ASA100	20A.1	25	54	110	18,5	0,589
ORIENTPTASA100D	ASA100.2	20A.2	54	54	110	18,5	0,71
ORIENTPTASA100T	ASA100.3	20A.3	90	54	110	18,5	0,883
ORIENTPTASA120S	ASAS120	24A.1	25	54	110	18,5	0,589
ORIENTPTASA120D	ASA120.2	24A.2	70	54	110	18,5	0,784



ORIENT PU

PULLEY (NYLON , ALUMINUM , ZINC-COATED STEEL)



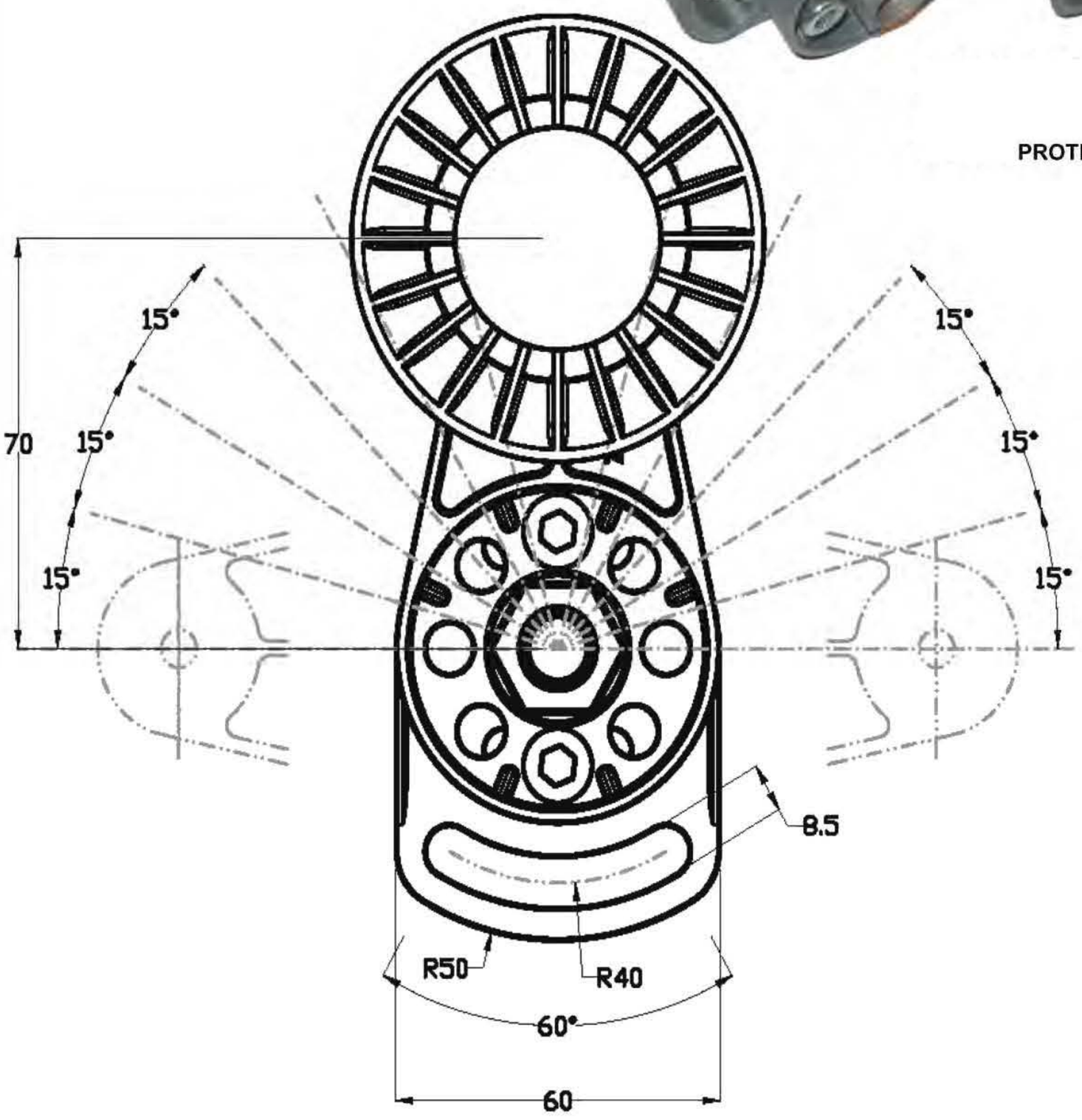
COD	A	B	B1	C	Q (Ø)	Kg
ORIENTPU3035AC	35	X	X	2,5	30	0,56
ORIENTPU3035AL	35	X	X	2,5	30	0,51
ORIENTPU3035NY	35	X	X	2,5	30	0,49
ORIENTPU4045NY	45	X	X	6	40	0,57
ORIENTPU5050AC	50	X	X	2,5	50	1,05
ORIENTPU5050AL	50	X	X	2,5	50	0,75
ORIENTPU5050NY	50	X	X	2,5	50	0,65
ORIENTPU6060AC	60	7	M12	2,5	60	1,56
ORIENTPU6060AL	60	7	M12	2,5	60	0,96
ORIENTPU6060NY	60	7	M12	2,5	60	0,7
ORIENTPU8080AC	80	7	M12	2,5	80	3,11
ORIENTPU8080AL	80	7	M12	2,5	80	1,55
ORIENTPU8080NY	80	7	M12	2,5	80	1,05
ORIENTPU8090AC	90	7	M12	2,5	80	3,55
ORIENTPU8090AL	90	7	M12	2,5	80	1,72
ORIENTPU8090NY	90	7	M12	2,5	80	1,11

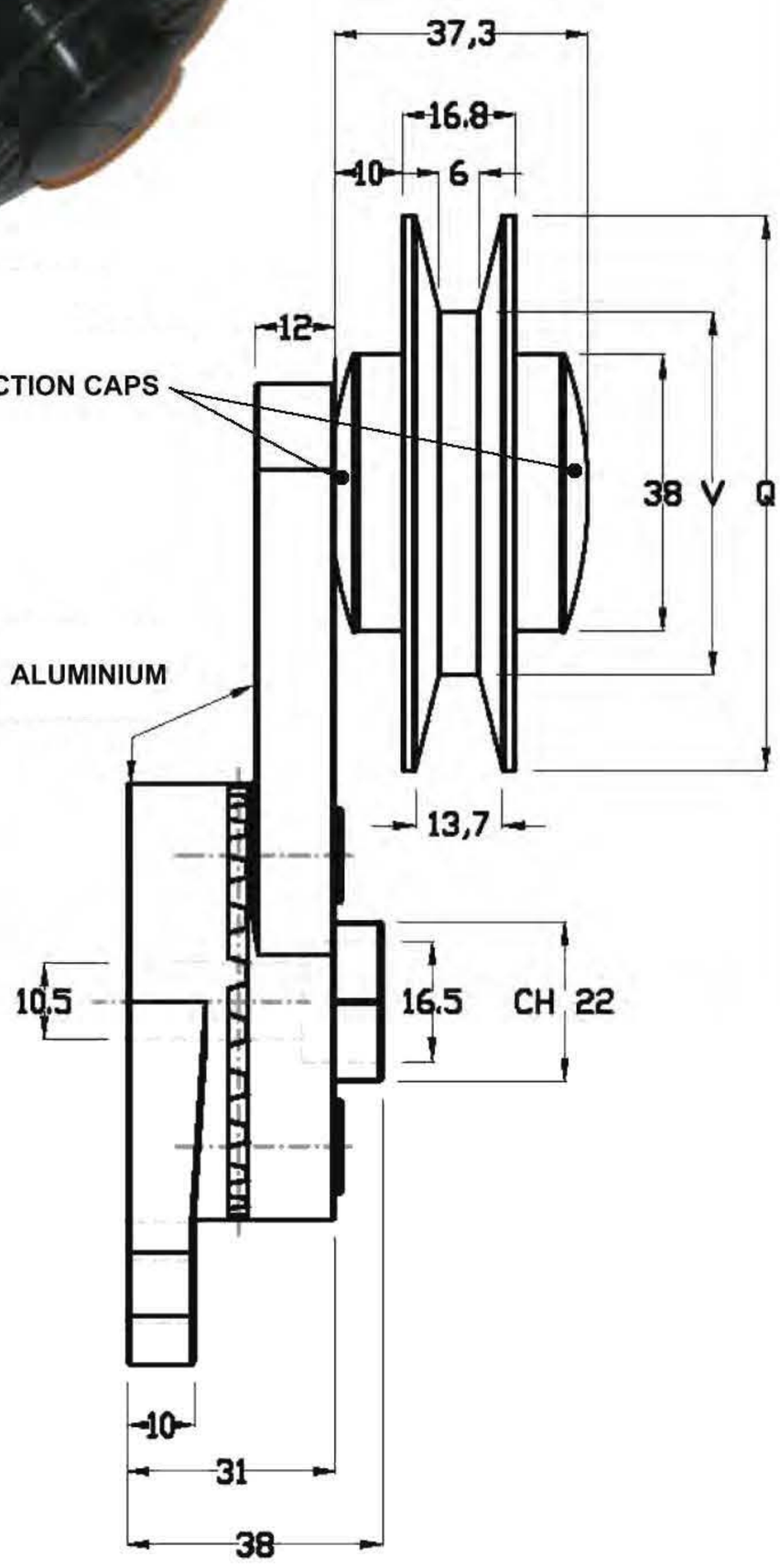


ORIENT PUG

WITH PA-6 PLASTIC MATERIAL RIM PULLEY





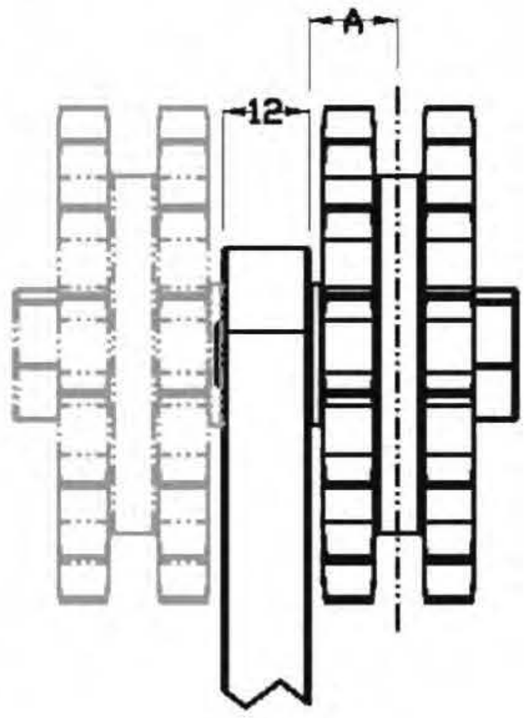


COD	Q (Ø)	V (Ø)	Kg
ORIENTPUG3	76,5	50	0,583
ORIENTPUG4	102	75,4	0,605



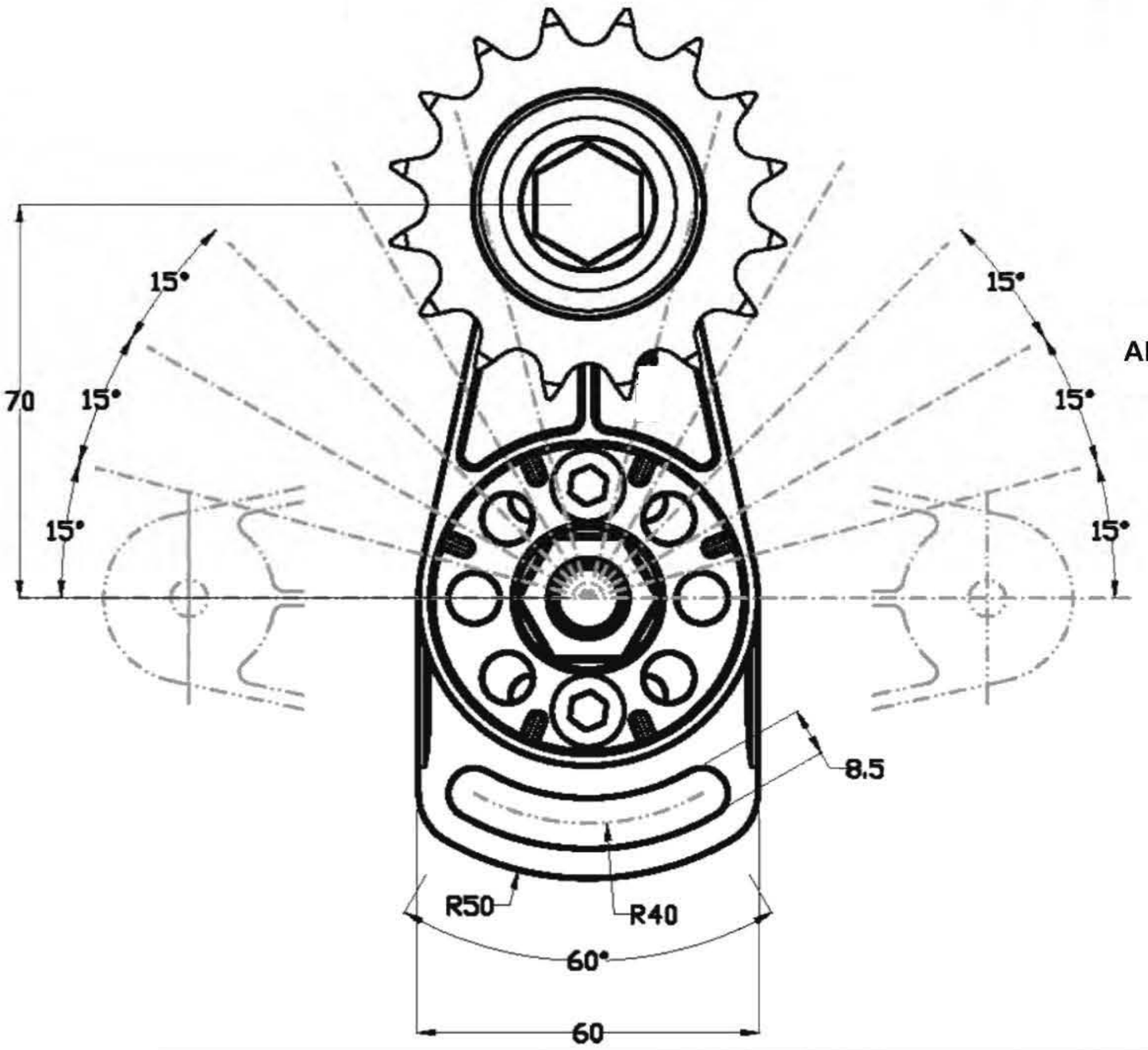
ORIENT R AC

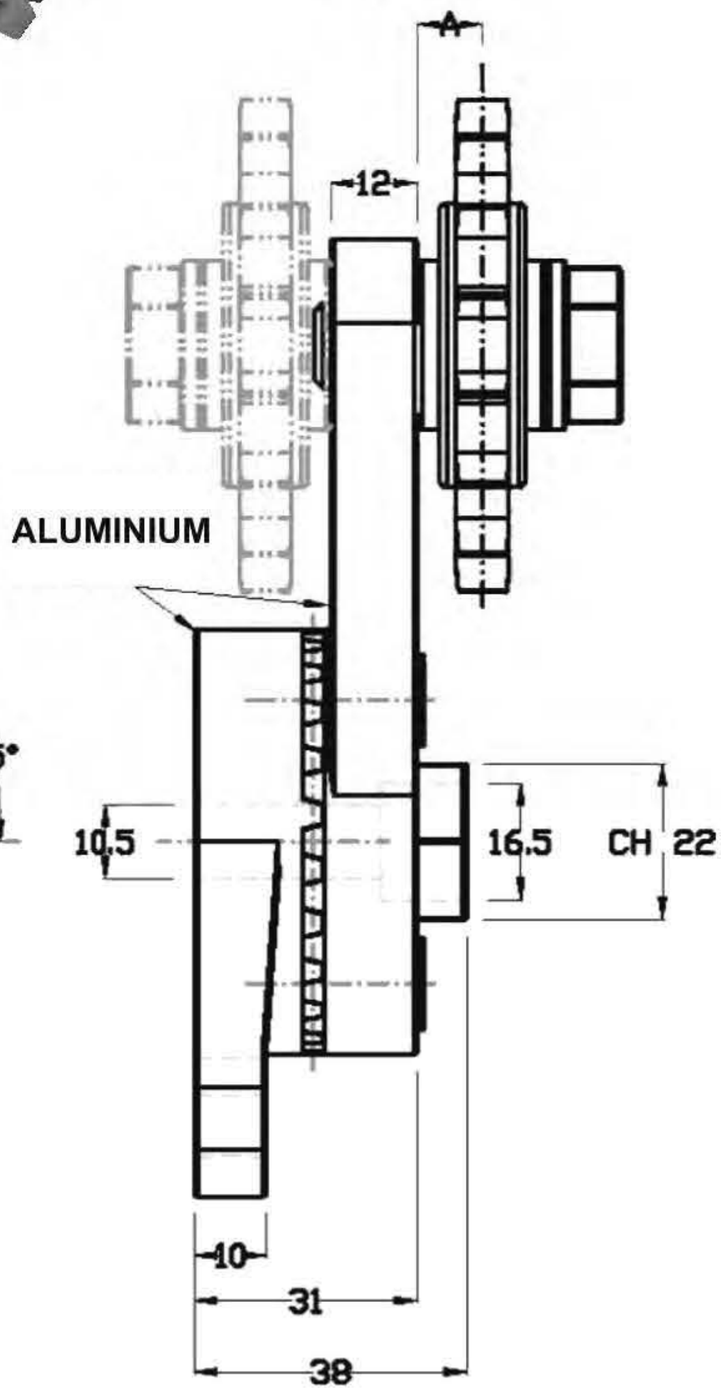
WITH SPROCKET



+ TE
HARDENED TEETH





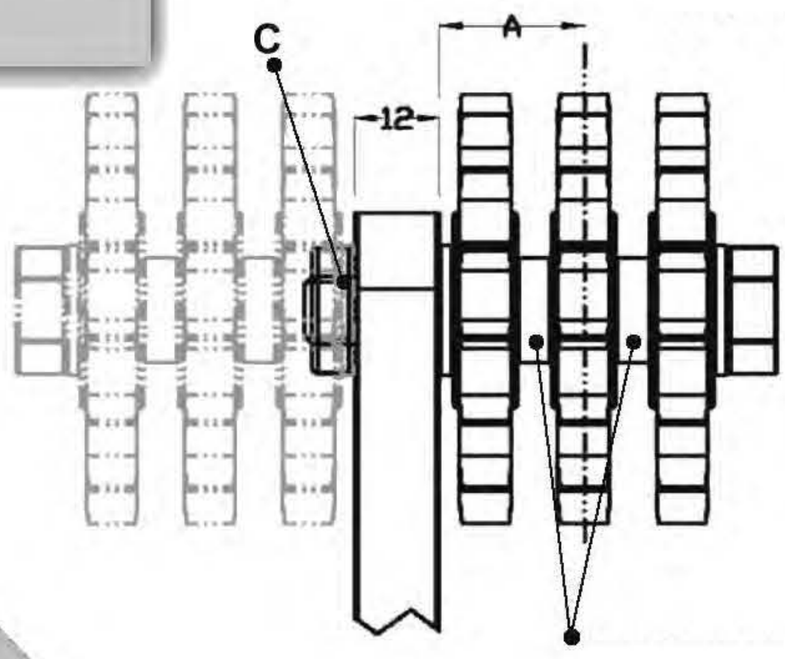


COD	CHAIN PITCH		TEETH	A	Kg
ORIENTRAC38S	3/8" x 7/32"	06B1	21	9,1	0,64
ORIENTRAC38D	3/8" x 7/32"	06B2	21	11	0,75
ORIENTRAC12S	1/2" x 5/16"	08B1	16	9,1	0,65
ORIENTRAC12D	1/2" x 5/16"	08B2	16	12,5	0,83
ORIENTRAC58S	5/8" x 3/8"	10B1	17	9,1	0,85
ORIENTRAC58D	5/8" x 3/8"	10B2	17	15,3	1,34
ORIENTRAC34S	3/4" x 7/16"	12B1	15	9,1	0,97
ORIENTRAC34D	3/4" x 7/16"	12B2	15	17,6	1,6
ORIENTRAC1S	1" x 17 m\m	16B1	12	13,8	1,23
ORIENTRAC114S	1"1/4 x 3/4"	20B1	9	13,8	1,21
+TE: HARDENED TEETH					
ORIENTRAC38STE	3/8" x 7/32"	06B1	21	9,1	0,64
ORIENTRAC12STE	1/2" x 5/16"	08B1	16	9,1	0,65
ORIENTRAC58STE	5/8" x 3/8"	10B1	17	9,1	0,85
ORIENTRAC34STE	3/4" x 7/16"	12B1	15	9,1	0,97
ORIENTRAC1STE	1" x 17 m\m	16B1	12	13,8	1,23

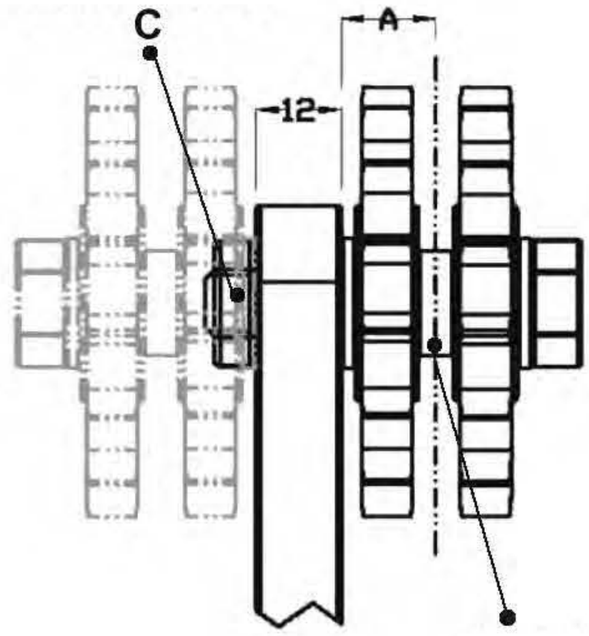


ORIENT R
RS-RD-RT

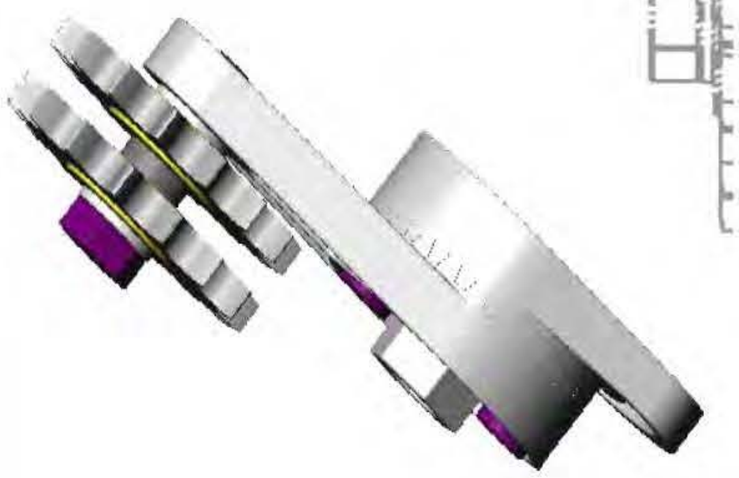
WITH SPROCKET

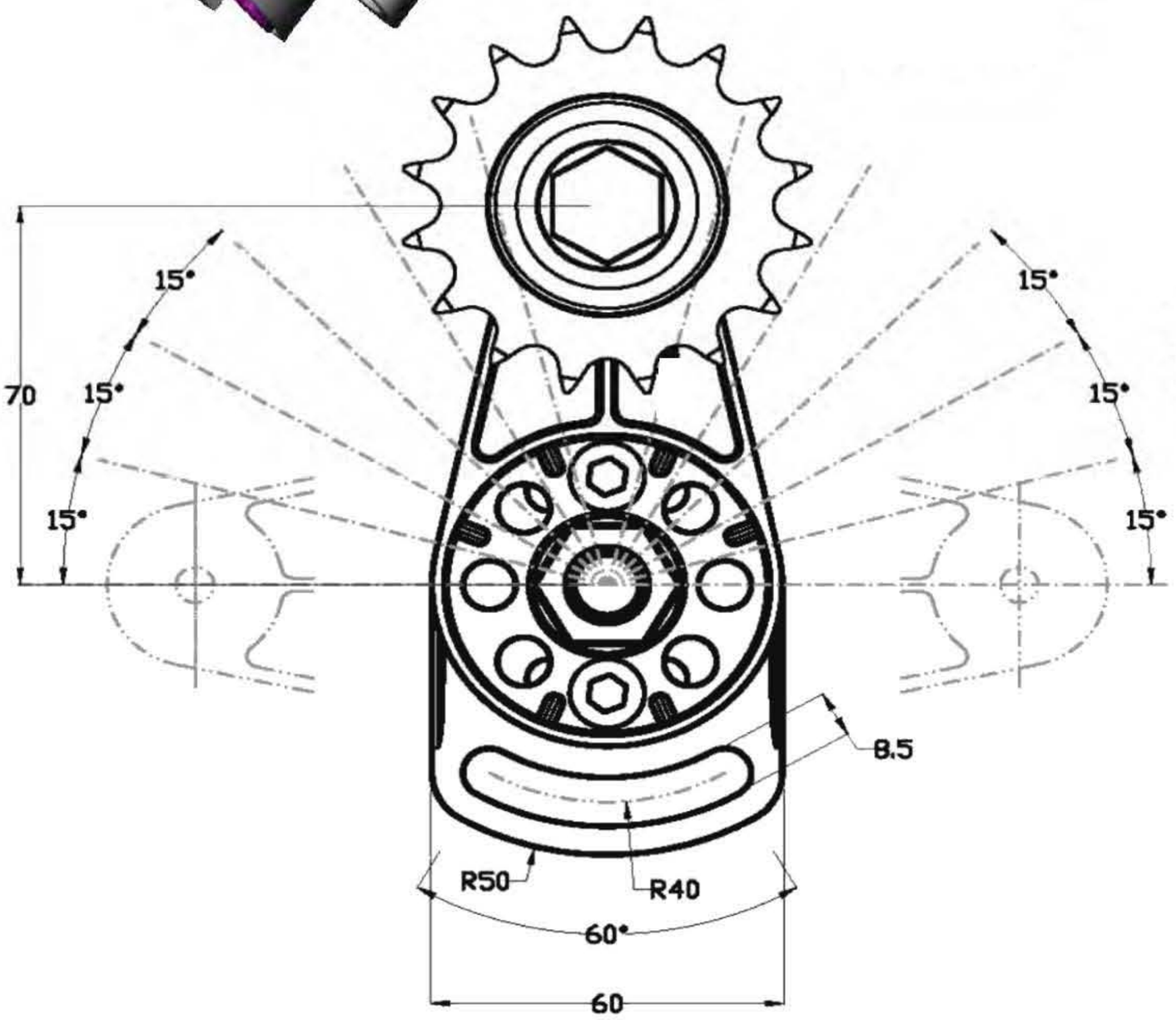


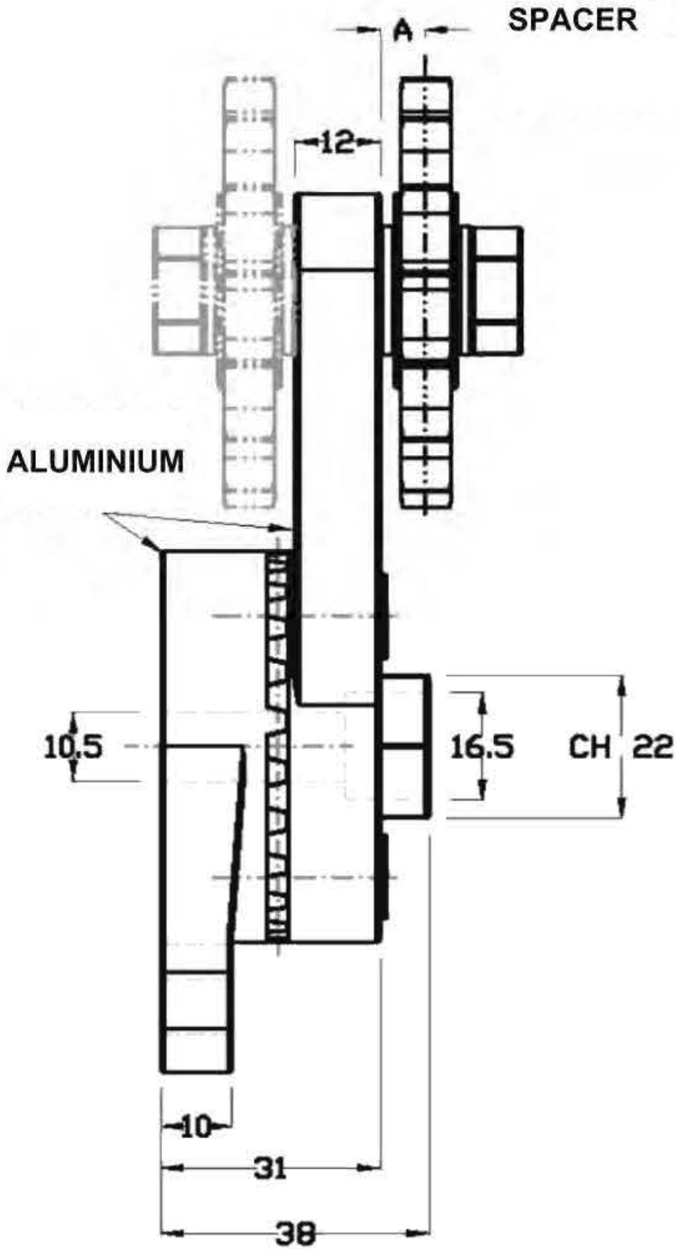
SPACER



SPACER

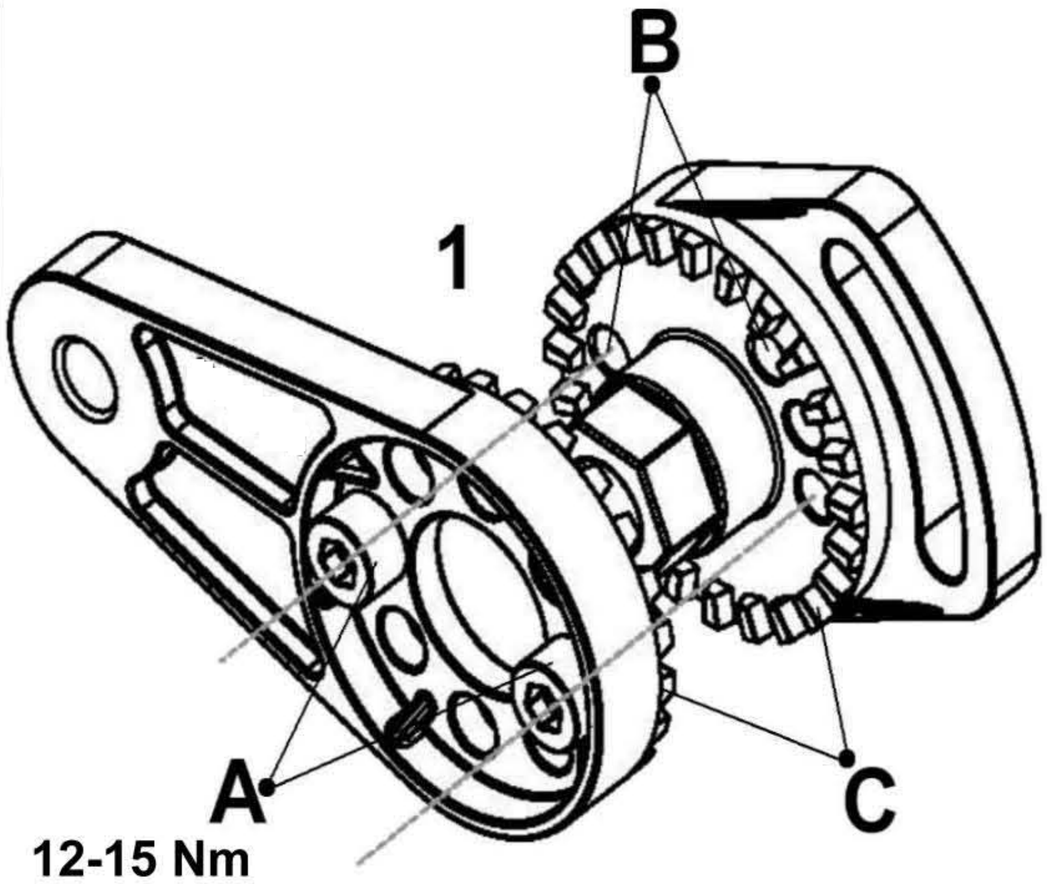


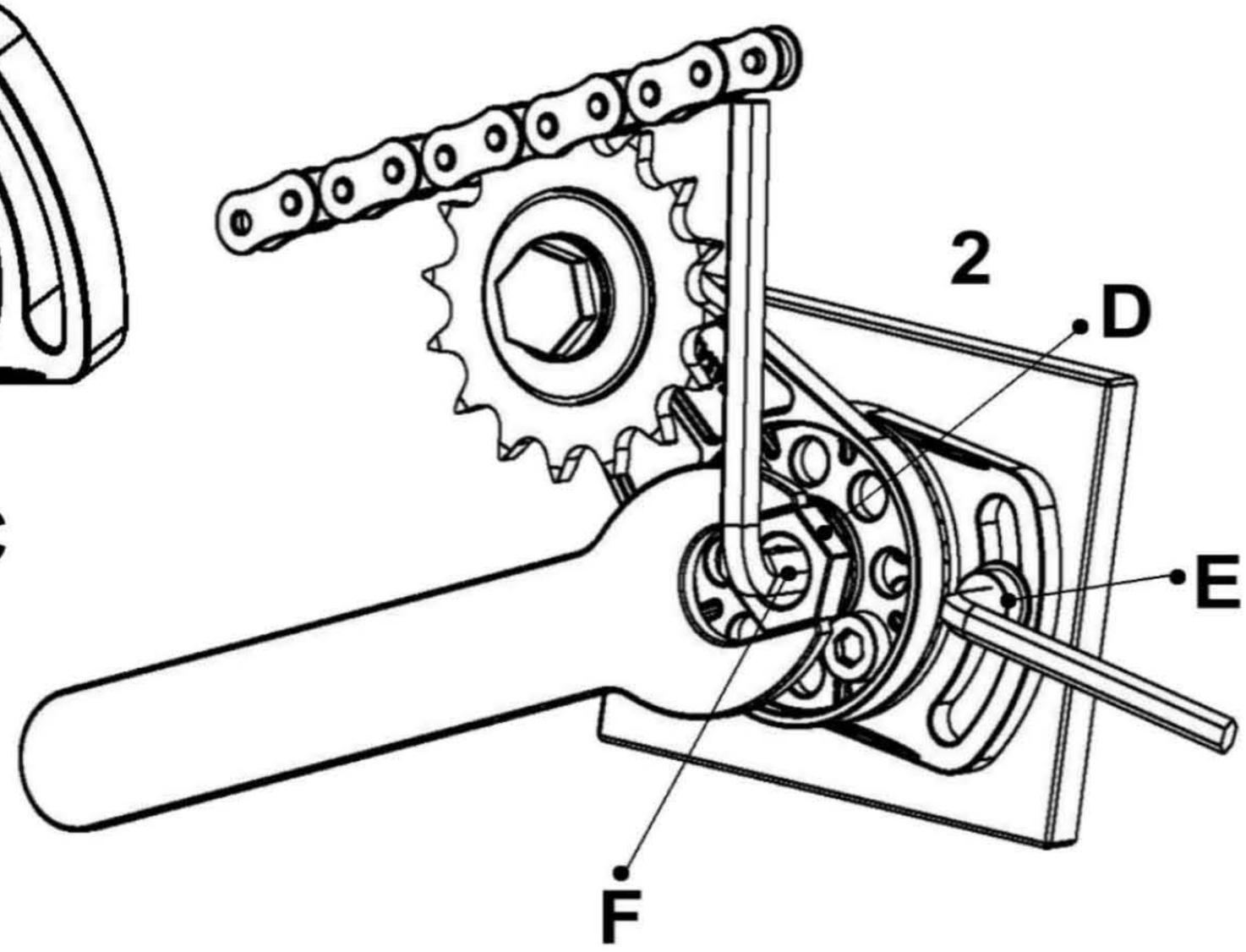




COD	CHAIN PITCH		TEETH	A	C	Kg
ORIENTRRS38	3/8" x 7/32"	06B1	15	6,5	X	0,513
ORIENTRRD38	3/8" x 7/32"	06B2	15	11,5	X	0,58
ORIENTRRT38	3/8" x 7/32"	06B3	15	16,5	X	0,646
ORIENTRRS12	1/2" x 5/16"	08B1	15	6,5	X	0,587
ORIENTRRD12	1/2" x 5/16"	08B2	15	13,45	X	0,73
ORIENTRRT12	1/2" x 5/16"	08B3	15	20,4	M10	0,88
ORIENTRRS58	5/8" x 3/8"	10B1	15	8,5	X	0,743
ORIENTRRD58	5/8" x 3/8"	10B2	15	16,75	X	1,03
ORIENTRRT58	5/8" x 3/8"	10B3	15	25	M12	1,33
ORIENTRRS34	3/4" x 7/16"	12B1	15	8,5	X	0,941
ORIENTRRD34	3/4" x 7/16"	12B2	15	18,25	M12	1,458
ORIENTRRT34	3/4" x 7/16"	12B3	15	28	M12	1,955

METHOD





For all the tensioners ORIENT also the one including pulleys or polyethylene head.
(Picture 1)
Chose the right position intersecting the teeth C.
Tighten the bolts A in the pertaining bores B.
(Picture 2)
Loosen the bolt F and the bolt E.
Rotate the hexagon D with adjustable spanner of 22 m/m as much as to get the right tension.
Tighten the bolt F without release the hexagon D.
Tighten the bolt E without release the hexagon D.
Release the hexagon D.