

$$\begin{aligned} \alpha_A &= 60^\circ & \beta &= 67.0^\circ \\ Z_2/Z_1 &= 1.0 & \phi_1 &= 30^\circ \\ \frac{\text{NO. OF TEETH IN DRIVER}}{\text{NO. OF TEETH IN DRIVEN}} & & \phi_2 &= 30^\circ \\ \alpha_1 &= 0.0 = \text{PROFILE CORRECTION FACTOR} \\ \text{OF THE PINION } (-x_2) \end{aligned}$$

$Ra = 215,0$ $Ri = 148,0$ $Rm = 101,50$ $No. of TEETH ZP = 38$

RADIUS = 170 NO.OF GEAR(SPEED) Z W 1 = 5 NO.OF GEAR(SPEED) Z W 2 = 5

h_{k1} = 8,10 z₁ = 58,02
h₁ = 186,20 w₁ = 124,12
d_{k2} = 229,03 d_{k12} = 162,03

SK11/MN = 0,519
(SK11 = TOOTH CREST THICKNESS
OF PINION AT SMALL DIA)

(STEP UP) GEAR RATIO = 2.5 PROFILE U
 $Zn1 = 35, 972$ $Zn2 = 35, 972$
 $(Zn1, Zn2 = \text{IDEAL NO. OF TEETH IN THE NORMAL PLANE AT } Rm = \text{CENTRE DISTANCE})$

TURNING MOMENT MT ;	STARTING FORCE PU ;	LOAD CAP.
N = 179,13	N = 220	DM1 = 181,1
(N = POWER IN HP)	(LOAD CAPACITY IN H.P.)	(AVERAGE DIA OF PIPES AT MEN CONJUNCTION)
MT = 593,00	PU = 64,24	FBB = 180,3
MT : TORQUE IN KPM)	(FORCE IN K.P. CIRCUM- FERENTIAL)	(LOAD IN HP)

TURNING DIRECTION OF THE PINION IN SPIRAL PATH = PA1 0/0 = 75,6 PA2 0/0 = -32,7
TURNING DIRECTION OF THE PINION AGAINST SPIRAL PATH = PA1 0/0 = -32,7 PA2 0/0 = 75,6

$= 75,6$ $PA\ 2\ 0/0 = -32,7$
 $= -32,7$ $PA\ 2\ 0/0 = 75,6$
 L. WITH A STATISTICAL FR
 CORE BRINELL HARDNESS.

WHEEL DRIVES

$PA1/0 = -32,7$ $PA2/0 = 75,6$

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TURE STRESS $\sigma_A = 120 \text{ kN/m}^2$

SPIRAL DIRECTIONS WHEEL1= RIGHT / LEFT

CUTTER FACE MODULE $m_{sa} = 11.3158$
 $m_{na} = 8.66$
 CUTTER NORMAL MODULE $m_{nn} = 8$
 $m_g = 10.22$
 ANGLE CORRECTION
 MOST CASES

$p = 166,758$
(FIXED CIRCLE RADIUS
OF THE CYCLOIDE)

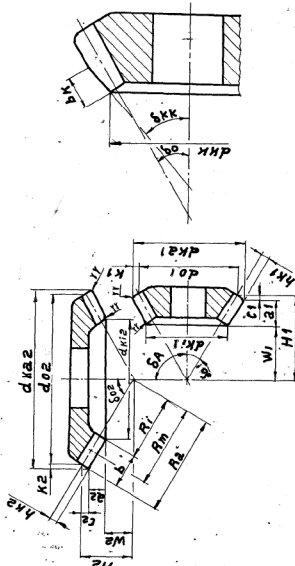
TOOTH FORM = 1

$$K_{i1} = 162,03$$
$$b_K = 0.0$$

P. DEPENDUM = 23,603
B. APPENDUM = 40.043

5
Y1 = 0,1228 Y2 = 0,1228
(TOOTH FORM FACTORS)

WHEEL DRIVES
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[illegible]

GEAR DATA (SRM 300)