



SPROCKETS CATALOG



C.N.INDUSTRIAL PRODUCT

(AN ISO : 9001-2015, 14001:2015 & 45001:2018)

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ANSI sprockets, double simplex, taper bushed

CNIP Sprockets

CNIP sprocket range nomenclature has a defined prefix of PHS. All sprockets are made to be applied to standardized chains. CNIP sprockets conform to conventional basic chain part number format – ISO, BS, or DIN.

Sprockets

The sprocket range designation from CNIP has the following is an example to indicate set up.

CNIP Designation prefix **PHS 80-1 TBH 22**

Chain size and type
Example:
80-1 – ANSI series chain, simplex type 16B-3
3 – ISO/BS series chain, triplex type

Supplementary
Many different supplementary designations, examples
TBH- taper bushing type and hardened teeth
C – Hub type C
SS – stainless steel material

Note
See CNIP product training for full supplementary notations

Teeth
The number of teeth on the sprocket

Supplementary
Possible other options and special requirements

Sprockets (PHS Product Group)

All CNIP sprockets are manufactured according to ISO606 & ASME B29.100 standard. The sprockets are made from steel material C-45 and premium carbon steel no. 20 on hub material if welded. For some special sprockets gray cast iron HT250 or cast iron 250 material is used.

Sprockets 25T and below are hardened as standard (typically 35-40 HRC). This is only valid for sprocket teeth manufactured with steel material C-45. Surface treatment such as black oxide and zinc plating can be offered upon request.

Tolerances are machined according to DIN 8196.

All sprockets are completely deburred and protected with rustproof oil.



**BUREAU
VERITAS**

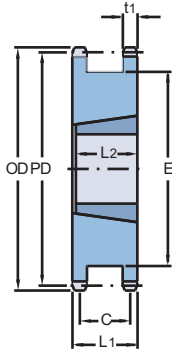


CNIP SPROCKET

ANSI sprockets, double simplex, taper bushed

ANSI 40-1 · 12,70 mm (1/2") pitch | ANSI 50-1 · 15,88 mm (5/8") pitch |
ANSI 80-1 · 25,40 mm (1") pitch | ANSI 100-1 · 31,75 mm (1 1/4") pitch

ANSI 60-1 · 19,05 mm (3/4") pitch |



Type A taper bush

Pitch	Number of teeth	Diameters Outside		Pitch	Type	Bushing number	Dimensions Bore		L1	C	E	L2	Plate thickness	Mass ¹⁾	Designation		
		OD	PD				Min.	Max.									
mm	in.	-	mm	-	-	-	mm	-	-	-	-	-	kg	-			
12,70	1/2	18	79,76	73,15	A	1215	12,70	31,75	35,72	28,58	58,74	38,10	7,210	0,5	PHS 40-1DSTBH18		
		19	83,82	77,22	A	1215	12,70	31,75	35,72	28,58	63,50	38,10	7,210	0,5	PHS 40-1DSTBH19		
	20	87,88	81,28	A	1215	12,70	31,75	35,72	28,58	66,68	38,10	7,210	0,6	PHS 40-1DSTBH20			
	21	91,95	85,34	A	1615	12,70	41,28	35,72	28,58	70,64	38,10	7,210	0,6	PHS 40-1DSTBH21			
	23	100,08	93,22	A	1615	12,70	41,28	35,72	28,58	78,58	38,10	7,210	0,7	PHS 40-1DSTBH23			
	24	104,14	97,28	A	1615	12,70	41,28	35,72	28,58	82,95	38,10	7,210	0,8	PHS 40-1DSTBH24			
	15,88	5/8	16	89,41	81,28	A	1215	12,70	41,28	42,07	33,34	63,10	38,10	8,710	1,4	PHS 50-1DSTBH16	
			17	94,49	86,36	A	1615	12,70	41,28	42,07	33,34	68,26	38,10	8,710	0,8	PHS 50-1DSTBH17	
		18	99,57	91,44	A	1615	12,70	41,28	42,07	33,34	73,42	38,10	8,710	1,0	PHS 50-1DSTBH18		
		19	104,65	96,52	A	1615	12,70	41,28	42,07	33,34	78,18	38,10	8,710	1,2	PHS 50-1DSTBH19		
20		109,73	101,60	A	1615	12,70	41,28	42,07	33,34	83,34	38,10	8,710	2,3	PHS 50-1DSTBH20			
21		114,81	106,43	A	2012	12,70	50,80	42,07	33,34	88,50	31,75	8,710	1,5	PHS 50-1DSTBH21			
19,05	3/4	23	124,97	116,59	A	2012	12,70	50,80	42,07	33,34	98,82	31,75	8,710	1,7	PHS 50-1DSTBH23		
		24	130,05	121,67	A	2012	12,70	50,80	42,07	33,34	103,58	31,75	8,710	1,9	PHS 50-1DSTBH24		
		16	107,19	97,54	A	1615	12,70	41,28	49,21	37,70	75,80	38,10	11,660	2,0	PHS 60-1DSTBH16		
		17	113,28	101,60	A	1615	12,70	41,28	49,21	37,70	81,76	38,10	11,660	2,0	PHS 60-1DSTBH17		
25,40	1	18	119,38	109,73	A	2012	12,70	50,80	49,21	37,70	88,11	31,75	11,660	2,3	PHS 60-1DSTBH18		
		19	125,73	115,82	A	2012	12,70	50,80	49,21	37,70	94,06	31,75	11,660	2,6	PHS 60-1DSTBH19		
		20	131,83	121,67	A	2517	12,70	63,50	49,21	37,70	100,41	44,45	11,660	2,5	PHS 60-1DSTBH20		
		21	137,92	127,76	A	2517	12,70	63,50	49,21	37,70	106,36	44,45	11,660	2,9	PHS 60-1DSTBH21		
		23	150,11	139,95	A	2517	12,70	63,50	49,21	37,70	118,67	44,45	11,660	3,3	PHS 60-1DSTBH23		
		24	156,21	146,05	A	2517	12,70	63,50	49,21	37,70	131,76	44,45	11,660	3,7	PHS 60-1DSTBH24		
		31,75	1 1/4	17	151,13	138,18	A	2517	12,70	63,50	55,56	41,28	109,54	44,45	14,600	3,5	PHS 80-1DSTBH17
				18	159,26	146,30	A	2517	12,70	63,50	55,56	41,28	120,65	44,45	14,600	4,0	PHS 80-1DSTBH18
19	167,39			154,43	A	3020	23,81	76,20	55,56	41,28	125,81	50,80	14,600	4,4	PHS 80-1DSTBH19		
20	175,51			162,31	A	3020	23,81	76,20	55,56	41,28	134,14	50,80	14,600	4,5	PHS 80-1DSTBH20		
21	183,90			170,43	A	3020	23,81	76,20	55,56	41,28	142,08	50,80	14,600	5,4	PHS 80-1DSTBH21		
22	192,02			178,56	A	3020	23,81	76,20	55,56	41,28	142,08	50,80	14,600	5,9	PHS 80-1DSTBH22		
31,75	1 1/4	23	200,15	186,44	A	3020	23,81	76,20	55,56	41,28	158,35	50,80	14,600	6,6	PHS 80-1DSTBH23		
		15	168,40	152,65	A	2517	19,05	63,50	68,26	50,80	116,68	44,45	17,580	5,7	PHS 100-1DSTBH15		
		16	178,56	162,81	A	2517	19,05	63,50	68,26	50,80	127,00	44,45	17,580	5,9	PHS 100-1DSTBH16		
		17	188,98	172,72	A	3020	23,81	76,20	68,26	50,80	137,32	50,80	17,580	6,4	PHS 100-1DSTBH17		
		18	199,14	182,88	A	3020	23,81	76,20	68,26	50,80	147,24	50,80	17,580	7,3	PHS 100-1DSTBH18		
		19	209,30	192,79	A	3020	23,81	76,20	68,26	50,80	157,56	50,80	17,580	9,1	PHS 100-1DSTBH19		
		20	219,46	202,95	A	3020	23,81	76,20	68,26	50,80	167,88	44,45	17,580	12,5	PHS 100-1DSTBH20		
		21	229,62	213,11	A	3020	23,81	76,20	68,26	50,80	177,80	50,80	17,580	12,5	PHS 100-1DSTBH21		

¹⁾ rim only
 - or C sprockets, up to and including 25 teeth, are with hardened teeth as standard.
 additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 40-1DSTBH18.



CALL US FOR MORE DETAILS

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