



# SPROCKETS CATALOG



## C.N.INDUSTRIAL PRODUCT

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

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## Metric sprockets, 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 – 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.

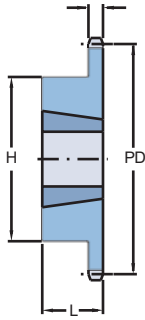
All sprockets are completely deburred and protected with rustproof oil.



**BUREAU  
VERITAS**



# CNIP SPROCKET



Type B

## Metric sprockets, simplex, taper bushed

ISO 06B-1 · 9,525 mm pitch | ISO 08B-1 · 12,70 mm pitch

t1

Pitch	Number of teeth	Pitch diameter PD	Type	Bushing number	Dimensions Bore		L	H	Plate thickness t1	Mass Rim kg	Bushing	Designation
					Min.	Max.						
mm	-	mm	-	-	mm							-
<b>9,525</b>	<b>16</b>	48,82	B	1008	9	25,4	22,0	42,0 <sup>1)</sup>	5,31	0,12	0,09	<b>PHS 06B-1TBH16</b>
	<b>17</b>	51,83	B	1008	9	25,4	22,0	45,0	5,31	0,13	0,09	<b>PHS 06B-1TBH17</b>
	<b>18</b>	54,85	B	1008	9	25,4	22,0	45,0	5,31	0,14	0,09	<b>PHS 06B-1TBH18</b>
	<b>19</b>	57,87	B	1008	9	25,4	22,0	45,0	5,31	0,16	0,09	<b>PHS 06B-1TBH19</b>
	<b>20</b>	60,89	B	1008	9	25,4	22,0	46,0	5,31	0,18	0,09	<b>PHS 06B-1TBH20</b>
	<b>21</b>	63,91	B	1008	9	25,4	22,0	46,0	5,31	0,20	0,09	<b>PHS 06B-1TBH21</b>
	<b>22</b>	66,93	B	1108	9	28,0	22,0	52,0	5,31	0,24	0,12	<b>PHS 06B-1TBH22</b>
	<b>23</b>	69,95	B	1210	11	31,8	25,0	63,0 <sup>1)</sup>	5,31	0,30	0,21	<b>PHS 06B-1TBH23</b>
	<b>24</b>	72,97	B	1210	11	31,8	25,0	63,0	5,31	0,32	0,21	<b>PHS 06B-1TBH24</b>
	<b>25</b>	76,00	B	1210	11	31,8	25,0	63,0	5,31	0,35	0,21	<b>PHS 06B-1TBH25</b>
	<b>26</b>	79,02	B	1210	11	31,8	25,0	63,0	5,31	0,35	0,21	<b>PHS 06B-1TB26</b>
	<b>27</b>	82,05	B	1210	11	31,8	25,0	63,0	5,31	0,38	0,21	<b>PHS 06B-1TB27</b>
	<b>28</b>	85,07	B	1210	11	31,8	25,0	63,0	5,31	0,38	0,21	<b>PHS 06B-1TB28</b>
	<b>29</b>	88,09	B	1210	11	31,8	25,0	63,0	5,31	0,40	0,21	<b>PHS 06B-1TB29</b>
	<b>30</b>	91,12	B	1210	11	31,8	25,0	63,0	5,31	0,41	0,21	<b>PHS 06B-1TB30</b>
	<b>32</b>	97,18	B	1210	11	31,8	25,0	63,0	5,31	0,58	0,21	<b>PHS 06B-1TB32</b>
	<b>35</b>	106,26	B	1210	11	31,8	25,0	63,0	5,31	0,76	0,21	<b>PHS 06B-1TB35</b>
	<b>36</b>	109,29	B	1210	11	31,8	25,0	63,0	5,31	0,82	0,21	<b>PHS 06B-1TB36</b>
	<b>38</b>	115,35	B	1210	11	31,8	25,0	70,0	5,31	0,94	0,21	<b>PHS 06B-1TB38</b>
	<b>40</b>	121,40	B	1210	11	31,8	25,0	70,0	5,31	1,06	0,21	<b>PHS 06B-1TB40</b>
	<b>45</b>	136,55	B	1210	11	31,8	25,0	70,0	5,31	1,36	0,21	<b>PHS 06B-1TB45</b>
	<b>48</b>	145,65	B	1210	11	31,8	25,0	70,0	5,31	1,54	0,21	<b>PHS 06B-1TB48</b>
	<b>54</b>	163,82	B	1210	11	31,8	25,0	70,0	5,31	1,90	0,21	<b>PHS 06B-1TB54</b>
	<b>57</b>	172,90	B	1210	11	31,8	25,0	70,0	5,31	1,60	0,21	<b>PHS 06B-1TB57</b>
<b>60</b>	182,00	B	1210	11	31,8	25,0	70,0	5,31	2,26	0,21	<b>PHS 06B-1TB60</b>	
<b>70</b>	212,30	B	1210	11	31,8	25,0	70,0	5,31	2,86	0,21	<b>PHS 06B-1TB70</b>	
<b>76</b>	230,49	B	1210	11	31,8	25,0	70,0	5,31	2,43	0,21	<b>PHS 06B-1TB76</b>	
<b>95</b>	288,08	B	1210	11	31,8	25,0	110,0	5,31	2,72	0,21	<b>PHS 06B-1TB95</b>	
<b>114</b>	345,68	B	1215	11	31,8	25,0	110,0	5,31	5,50	0,31	<b>PHS 06B-1TB114</b>	
<b>12,70</b>	<b>14</b>	57,07	B	1008	9	25,4	22,0	46,0 <sup>1)</sup>	7,37	0,12	0,14	<b>PHS 08B-1TBH14</b>
	<b>15</b>	61,09	B	1008	9	25,4	22,0	45,0	7,37	0,18	0,14	<b>PHS 08B-1TBH15</b>
	<b>16</b>	65,10	B	1108	9	28,0	22,0	52,0	7,37	0,24	0,16	<b>PHS 08B-1TBH16</b>
	<b>17</b>	69,11	B	1210	11	31,8	25,0	60,0 <sup>1)</sup>	7,37	0,24	0,27	<b>PHS 08B-1TBH17</b>
	<b>18</b>	73,14	B	1210	11	31,8	25,0	60,0 <sup>1)</sup>	7,37	0,30	0,27	<b>PHS 08B-1TBH18</b>
	<b>19</b>	77,16	B	1210	11	31,8	25,0	63,0	7,37	0,33	0,27	<b>PHS 08B-1TBH19</b>
	<b>20</b>	81,19	B	1610	11	31,8	25,0	71,0	7,37	0,32	0,41	<b>PHS 08B-1TBH20</b>
	<b>21</b>	85,22	B	1610	14	41,3	25,0	71,0	7,37	0,37	0,41	<b>PHS 08B-1TBH21</b>
	<b>22</b>	89,24	B	1610	14	41,3	25,0	76,0	7,37	0,50	0,41	<b>PHS 08B-1TBH22</b>
	<b>23</b>	93,27	B	1610	14	41,3	25,0	76,0	7,37	0,53	0,41	<b>PHS 08B-1TBH23</b>
	<b>24</b>	97,29	B	1610	14	41,3	25,0	76,0	7,37	0,54	0,41	<b>PHS 08B-1TBH24</b>
	<b>25</b>	101,33	B	1610	14	41,3	25,0	76,0	7,37	0,59	0,41	<b>PHS 08B-1TBH25</b>
	<b>26</b>	105,36	B	1610	14	41,3	25,0	76,0	7,37	0,61	0,41	<b>PHS 08B-1TB26</b>
	<b>27</b>	109,40	B	1610	14	41,3	25,0	76,0	7,37	0,61	0,41	<b>PHS 08B-1TB27</b>
	<b>28</b>	113,42	B	2012	14	50,8	25,0	90,0	7,37	0,86	0,77	<b>PHS 08B-1TB28</b>
	<b>29</b>	117,46	B	2012	14	50,8	25,0	90,0	7,37	0,90	0,77	<b>PHS 08B-1TB29</b>
	<b>30</b>	121,50	B	2012	14	50,8	32,0	90,0	7,37	0,94	0,59	<b>PHS 08B-1TB30</b>
	<b>32</b>	129,57	B	2012	14	50,8	32,0	90,0	7,37	1,12	0,59	<b>PHS 08B-1TB32</b>
	<b>35</b>	141,68	B	2012	14	50,8	32,0	90,0	7,37	1,30	0,59	<b>PHS 08B-1TB35</b>
	<b>36</b>	145,72	B	2012	14	50,8	32,0	90,0	7,37	1,48	0,59	<b>PHS 08B-1TB36</b>
	<b>38</b>	153,80	B	2012	14	50,8	32,0	90,0	7,37	1,67	0,59	<b>PHS 08B-1TB38</b>
	<b>40</b>	161,87	B	2012	14	50,8	32,0	90,0	7,37	1,80	0,59	<b>PHS 08B-1TB40</b>
	<b>42</b>	169,94	B	2012	14	50,8	32,0	100,0	7,37	1,93	0,59	<b>PHS 08B-1TB42</b>
	<b>45</b>	182,07	B	2012	14	50,8	32,0	100,0	7,37	2,06	0,59	<b>PHS 08B-1TB45</b>
<b>48</b>	194,18	B	2012	14	50,8	32,0	100,0	7,37	2,36	0,59	<b>PHS 08B-1TB48</b>	

<sup>1)</sup> Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

# CNIP SPROCKET

## Metric sprockets, simplex, taper bushed

ISO 08B-1 · 12,70 mm pitch | ISO 10B-1 · 15,88 mm pitch | ISO 12B-1 · 19,05 mm pitch

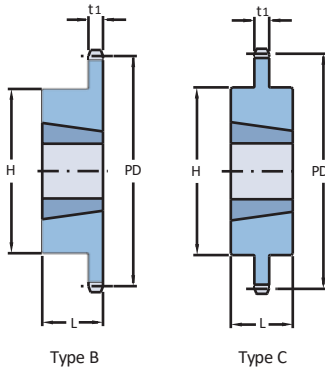
Pitch	Number of teeth	Pitch diameter PD	Type	Bushing number	Dimensions Bore		L	H	Plate thickness t <sub>1</sub>	Mass Rim kg	Bushing	Designation	
					Min.	Max.							
mm	-	mm	-	-	mm							-	
12,70	54	218,42	B	2012	14	50,8	32,0	100,0	7,37	2,66	0,59	PHS 08B-1TB54	
	57	230,53	B	2012	14	50,8	32,0	100,0	7,37	3,07	0,59	PHS 08B-1TB57	
	60	242,66	B	2012	14	50,8	32,0	100,0	7,37	3,23	0,59	PHS 08B-1TB60	
	70	283,07	B	2012	14	50,8	32,0	100,0	7,37	3,39	0,59	PHS 08B-1TB70	
	72	291,15	B	2012	14	50,8	32,0	100,0	7,37	3,55	0,59	PHS 08B-1TB72	
	76	307,31	B	2012	14	50,8	32,0	100,0	7,37	3,71	0,59	PHS 08B-1TB76	
	80	323,49	B	2012	14	50,8	32,0	100,0	7,37	4,55	0,59	PHS 08B-1TB80	
	84	339,65	B	2012	14	50,8	32,0	100,0	7,37	5,39	0,59	PHS 08B-1TB84	
	95	384,10	B	2012	14	50,8	32,0	100,0	7,37	6,23	0,59	PHS 08B-1TB95	
	96	388,15	B	2012	14	50,8	32,0	100,0	7,37	7,00	0,59	PHS 08B-1TB96	
	114	460,90	B	2517	16	63,5	45,0	110,0	7,37	8,10	1,30	PHS 08B-1TB114	
	15,88	12	61,34	B	1008	9	25,4	22,0	49,2 <sup>1)</sup>	9,17	0,21	0,09	PHS 10B-1TBH12
		13	66,32	B	1008	9	25,4	22,0	47,0	9,17	0,25	0,09	PHS 10B-1TBH13
		14	71,34	B	1108	9	25,4	22,0	52,0	9,17	0,27	0,12	PHS 10B-1TBH14
15		76,36	B	1210	11	31,8	25,0	60,0	9,17	0,33	0,21	PHS 10B-1TBH15	
16		81,37	B	1610	14	41,3	25,0	70,6 <sup>1)</sup>	9,17	0,32	0,31	PHS 10B-1TBH16	
17		86,39	B	1610	14	41,3	25,0	71,0 <sup>1)</sup>	9,17	0,40	0,31	PHS 10B-1TBH17	
18		91,42	B	1610	14	41,3	25,0	75,0	9,17	0,50	0,31	PHS 10B-1TBH18	
19		96,45	B	1610	14	41,3	25,0	75,0	9,17	0,56	0,31	PHS 10B-1TBH19	
20		101,49	B	1610	14	41,3	25,0	76,0	9,17	0,64	0,31	PHS 10B-1TBH20	
21		106,52	B	1610	14	41,3	25,0	76,0	9,17	0,69	0,31	PHS 10B-1TBH21	
22		111,55	B	1610	14	41,3	25,0	76,0	9,17	0,75	0,31	PHS 10B-1TBH22	
23		116,58	B	1610	14	41,3	25,0	76,0	9,17	0,81	0,31	PHS 10B-1TBH23	
24		121,62	B	2012	14	50,8	32,0	90,0	9,17	1,00	0,59	PHS 10B-1TBH24	
25		126,66	B	2012	14	50,8	32,0	90,0	9,17	1,06	0,59	PHS 10B-1TBH25	
26		131,70	B	2012	14	50,8	32,0	90,0	9,17	1,14	0,59	PHS 10B-1TB26	
27		136,75	B	2012	14	50,8	32,0	90,0	9,17	1,19	0,59	PHS 10B-1TB27	
28		141,78	B	2012	14	50,8	32,0	90,0	9,17	1,28	0,59	PHS 10B-1TB28	
29		146,83	B	2012	14	50,8	32,0	90,0	9,17	1,37	0,59	PHS 10B-1TB29	
30		151,87	B	2012	14	50,8	32,0	90,0	9,17	1,65	0,59	PHS 10B-1TB30	
32		161,96	B	2012	14	50,8	32,0	98,0	9,17	2,21	0,59	PHS 10B-1TB32	
35		177,10	B	2012	14	50,8	32,0	98,0	9,17	3,05	0,59	PHS 10B-1TB35	
36		182,15	B	2012	14	50,8	32,0	98,0	9,17	3,33	0,59	PHS 10B-1TB36	
38		192,24	B	2012	14	50,8	32,0	100,0	9,17	3,89	0,59	PHS 10B-1TB38	
40		202,33	B	2012	14	50,8	32,0	100,0	9,17	4,45	0,59	PHS 10B-1TB40	
42		212,43	B	2012	14	50,8	32,0	100,0	9,17	5,01	0,59	PHS 10B-1TB42	
45		227,58	B	2012	14	50,8	32,0	100,0	9,17	3,97	0,59	PHS 10B-1TB45	
48		242,73	B	2012	14	50,8	32,0	100,0	9,17	6,69	0,59	PHS 10B-1TB48	
54		273,03	B	2012	14	50,8	32,0	100,0	9,17	8,37	0,59	PHS 10B-1TB54	
57		288,19	B	2012	14	50,8	32,0	100,0	9,17	5,45	0,59	PHS 10B-1TB57	
60		303,33	B	2012	14	50,8	32,0	100,0	9,17	10,05	0,59	PHS 10B-1TB60	
70	353,84	B	2012	16	63,5	45,0	100,0	9,17	12,85	1,30	PHS 10B-1TB70		
72	363,95	B	2012	16	63,5	45,0	100,0	9,17	13,41	1,30	PHS 10B-1TB72		
76	384,15	B	2012	14	50,8	45,0	100,0	9,17	7,43	0,59	PHS 10B-1TB76		
80	404,35	B	2012	16	63,5	45,0	110,0	9,17	15,65	1,30	PHS 10B-1TB80		
84	424,70	B	2012	16	63,5	45,0	110,0	9,17	16,77	1,30	PHS 10B-1TB84		
95	480,14	B	2517	14	50,8	45,0	110,0	9,17	19,85	0,59	PHS 10B-1TB95		
96	485,30	B	2517	16	63,5	45,0	110,0	9,17	20,13	1,30	PHS 10B-1TB96		
114	576,13	B	2517	16	63,5	45,0	110,0	9,17	25,17	1,30	PHS 10B-1TB114		
19,05	11	67,61	B	1008	9	25,4	22,0	46,0	11,10	0,22	0,09	PHS 12B-1TBH11	
	12	73,61	B	1008	9	25,4	22,0	49,2	11,10	0,30	0,09	PHS 12B-1TBH12	
	13	79,59	B	1210	11	31,8	25,0	60,0	11,10	0,38	0,21	PHS 12B-1TBH13	
	14	85,61	B	1610	14	41,3	25,0	70,0	11,10	0,46	0,31	PHS 12B-1TBH14	
	15	91,63	B	1610	14	41,3	25,0	70,0	11,10	0,48	0,31	PHS 12B-1TBH15	
	16	97,65	B	1610	14	41,3	25,0	75,0	11,10	0,60	0,31	PHS 12B-1TBH16	
	17	103,67	B	1610	14	41,3	25,0	76,0	11,10	0,70	0,31	PHS 12B-1TBH17	
	18	109,71	B	2012	14	50,8	32,0	90,0	11,10	0,86	0,59	PHS 12B-1TBH18	
	19	115,75	B	2012	14	50,8	32,0	90,0	11,10	0,98	0,59	PHS 12B-1TBH19	
	20	121,78	B	2012	14	50,8	32,0	95,0	11,10	1,25	0,59	PHS 12B-1TBH20	
	21	127,82	B	2517	16	63,5	45,0	102,0	11,10	1,28	1,30	PHS 12B-1TBH21	
	22	133,86	B	2517	16	63,5	45,0	102,0	11,10	1,37	1,30	PHS 12B-1TBH22	
	23	139,90	B	2517	16	63,5	45,0	108,0	11,10	1,75	1,30	PHS 12B-1TBH23	
	24	145,94	B	2517	16	63,5	45,0	108,0	11,10	1,85	1,30	PHS 12B-1TBH24	
	25	152,00	B	2517	16	63,5	45,0	108,0	11,10	1,95	1,30	PHS 12B-1TBH25	
	26	158,04	B	2517	16	63,5	45,0	108,0	11,10	2,09	1,30	PHS 12B-1TB26	
	27	164,09	B	2517	16	63,5	45,0	108,0	11,10	2,22	1,30	PHS 12B-1TB27	
	28	170,13	B	2517	16	63,5	45,0	108,0	11,10	2,36	1,30	PHS 12B-1TB28	
	29	176,19	B	2517	16	63,5	45,0	108,0	11,10	2,75	1,30	PHS 12B-1TB29	
	30	182,25	B	2517	16	63,5	45,0	108,0	11,10	2,89	1,30	PHS 12B-1TB30	
	32	194,36	B	2517	16	63,5	45,0	108,0	11,10	3,59	1,30	PHS 12B-1TB32	
	35	212,52	B	2517	16	63,5	45,0	108,0	11,10	4,41	1,30	PHS 12B-1TB35	
36	218,58	B	2517	16	63,5	45,0	108,0	11,10	4,68	1,30	PHS 12B-1TB36		
38	230,69	B	2517	16	63,5	45,0	108,0	11,10	4,60	1,30	PHS 12B-1TB38		

<sup>1)</sup> Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

# CNIP SPROCKET



Metric sprockets, simplex, taper bushed

ISO 12B-1 · 19,05 mm pitch | ISO 16B-1 · 25,40 mm pitch

Pitch	Number of teeth	Pitch diameter PD	Type	Bushing number	Dimensions Bore		L	H	Plate thickness t1	Mass Rim kg	Bushing	Designation
					Min.	Max.						
mm	-	mm	-	-	mm							-
19,05	40	242,81	B	2517	16	63,5	45,0	108,0	11,10	5,78	1,30	PHS 12B-1TB40
	42	254,93	B	2517	16	63,5	45,0	108,0	11,10	6,33	1,30	PHS 12B-1TB42
	45	273,10	B	2517	16	63,5	45,0	108,0	11,10	5,70	1,30	PHS 12B-1TB45
	48	291,27	B	2517	16	63,5	45,0	108,0	11,10	7,97	1,30	PHS 12B-1TB48
	54	327,64	B	2517	16	63,5	45,0	108,0	11,10	9,61	1,30	PHS 12B-1TB54
	57	345,81	B	2517	16	63,5	45,0	108,0	11,10	6,49	1,30	PHS 12B-1TB57
	60	363,99	B	2517	16	63,5	45,0	108,0	11,10	11,25	1,30	PHS 12B-1TB60
	68	412,49	B	2517	16	63,5	45,0	108,0	11,10	13,44	1,30	PHS 12B-1TB68
	70	424,60	B	2517	16	63,5	45,0	108,0	11,10	13,99	1,30	PHS 12B-1TB70
	72	436,74	B	2517	16	63,5	45,0	108,0	11,10	14,54	1,30	PHS 12B-1TB72
	76	460,99	B	2517	16	63,5	45,0	108,0	11,10	11,20	1,30	PHS 12B-1TB76
	84	509,48	B	2517	16	63,5	45,0	108,0	11,10	17,82	1,30	PHS 12B-1TB84
	95	576,17	B	2517	16	63,5	45,0	108,0	11,10	17,64	1,30	PHS 12B-1TB95
	96	582,23	B	2517	16	63,5	45,0	108,0	11,10	21,11	1,30	PHS 12B-1TB96
114	691,36	B	2517	16	63,5	64,0	108,0	11,10	26,04	1,30	PHS 12B-1TB114	
25,40	10	82,19	B	1215	11	31,8	38,0	62,7	16,18	0,34	0,30	PHS 16B-1TBH10
	11	90,14	B	1215	11	31,8	38,0	62,7	16,18	0,57	0,30	PHS 16B-1TBH11
	12	98,14	B	1615	14	41,3	38,0	76,2	16,18	0,81	0,43	PHS 16B-1TBH12
	13	106,12	B	1615	14	41,3	38,0	73,0	16,18	1,03	0,43	PHS 16B-1TBH13
	14	114,15	B	1615	14	41,3	38,0	78,0	16,18	1,26	0,43	PHS 16B-1TBH14
	15	122,17	B	1615	14	41,3	38,0	76,0	16,18	1,40	0,43	PHS 16B-1TBH15
	16	130,20	B	2012	14	50,8	32,0	90,0	16,18	1,42	0,59	PHS 16B-1TBH16
	17	138,22	B	2012	14	50,8	32,0	90,0	16,18	1,60	0,59	PHS 16B-1TBH17
	18	146,28	B	2517	16	63,5	45,0	108,0	16,18	2,09	1,30	PHS 16B-1TBH18
	19	154,33	B	2517	16	63,5	45,0	108,0	16,18	2,30	1,30	PHS 16B-1TBH19
	20	162,38	B	2517	16	63,5	45,0	110,0	16,18	2,56	1,30	PHS 16B-1TBH20
	21	170,43	B	2517	16	63,5	45,0	110,0	16,18	2,80	1,30	PHS 16B-1TBH21
	22	178,48	B	2517	16	63,5	45,0	110,0	16,18	3,36	1,30	PHS 16B-1TBH22
	23	186,53	B	2517	16	63,5	45,0	110,0	16,18	3,34	1,30	PHS 16B-1TBH23
	24	194,59	B	2517	16	63,5	45,0	110,0	16,18	3,66	1,30	PHS 16B-1TBH24
	25	202,66	B	2517	16	63,5	45,0	110,0	16,18	3,96	1,30	PHS 16B-1TBH25
	26	210,72	B	2517	16	63,5	45,0	110,0	16,18	4,26	1,30	PHS 16B-1TB26
	27	218,79	B	2517	16	63,5	45,0	110,0	16,18	4,63	1,30	PHS 16B-1TB27
	28	226,85	B	2517	16	63,5	45,0	140,0	16,18	4,97	1,30	PHS 16B-1TB28
	29	234,92	B	3020	25	76,2	51,0	140,0	16,18	6,24	2,24	PHS 16B-1TB29
	30	243,00	B	3020	25	76,2	51,0	140,0	16,18	6,67	2,24	PHS 16B-1TB30
	32	259,13	B	3020	25	76,2	51,0	140,0	16,18	8,37	2,24	PHS 16B-1TB32
	35	283,36	B	3020	25	76,2	51,0	140,0	16,18	10,92	2,24	PHS 16B-1TB35
	36	291,44	B	3020	25	76,2	51,0	140,0	16,18	11,77	2,24	PHS 16B-1TB36
38	307,59	B	3020	25	76,2	51,0	140,0	16,18	9,49	2,24	PHS 16B-1TB38	
40	323,75	B	3020	25	76,2	51,0	140,0	16,18	15,17	2,24	PHS 16B-1TB40	
45	364,13	B	3020	25	76,2	51,0	140,0	16,18	11,70	2,24	PHS 16B-1TB45	
48	388,36	B	3020	25	76,2	51,0	140,0	16,18	18,91	2,24	PHS 16B-1TB48	
54	436,85	B	3020	25	76,2	51,0	140,0	16,18	21,72	2,24	PHS 16B-1TB54	
57	461,07	B	3020	25	76,2	51,0	140,0	16,18	15,00	2,24	PHS 16B-1TB57	
60	485,32	B	3020	25	76,2	51,0	140,0	16,18	24,52	2,24	PHS 16B-1TB60	
64	517,65	B	3020	25	76,2	51,0	140,0	16,18	26,39	2,24	PHS 16B-1TB64	
70	566,14	B	3020	25	76,2	51,0	140,0	16,18	29,20	2,24	PHS 16B-1TB70	
76	614,65	B	3020	25	76,2	51,0	140,0	16,18	23,00	2,24	PHS 16B-1TB76	
80	646,96	B	3020	25	76,2	51,0	140,0	16,18	33,87	2,24	PHS 16B-1TB80	
84	679,30	B	3020	25	76,2	51,0	140,0	16,18	35,74	2,24	PHS 16B-1TB84	
95	768,22	B	3020	25	76,2	51,0	140,0	16,18	40,88	2,24	PHS 16B-1TB95	
114	921,81	B	3020	25	76,2	76,0	140,0	16,18	49,77	2,24	PHS 16B-1TB114	

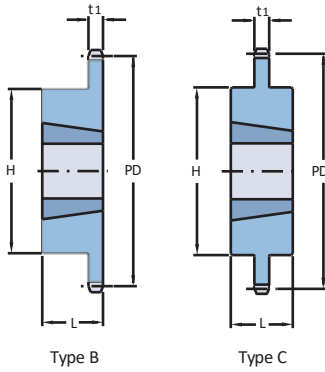
<sup>1)</sup> Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.



# CNIP SPROCKET



Metric sprockets, simplex, taper bushed

ISO 28B-1 · 44,45 mm pitch | ISO 32B-1 · 50,80 mm pitch

Pitch	Number of teeth	Pitch diameter PD	Type	Bushing number	Dimensions Bore		L	H	Plate thickness t1	Mass Rim kg	Bushing	Designation	
					Min.	Max.							
mm	-	mm	-	-	mm							-	
44,45	13	185,75	B	3020	25	76,2	50,8	133,4	29,44	5,90	2,24	PHS 28B-1TBH13	
	14	199,76	B	3020	25	76,2	50,8	133,4	29,44	7,04	2,24	PHS 28B-1TBH14	
	15	213,79	B	3020	25	76,2	50,8	133,4	29,44	8,17	2,24	PHS 28B-1TBH15	
	16	227,84	B	3020	25	76,2	50,8	133,4	29,44	9,76	2,24	PHS 28B-1TBH16	
	17	241,91	B	3020	25	76,2	50,8	133,4	29,44	11,35	2,24	PHS 28B-1TBH17	
	18	255,98	B	3020	25	76,2	50,8	133,4	29,44	12,49	2,24	PHS 28B-1TBH18	
	19	270,06	B	3020	25	76,2	50,8	133,4	29,44	13,62	2,24	PHS 28B-1TBH19	
	20	284,15	B	3020	25	76,2	50,8	133,4	29,44	14,30	2,24	PHS 28B-1TBH20	
	21	298,24	B	3020	25	76,2	50,8	133,4	29,44	14,98	2,24	PHS 28B-1TBH21	
	22	312,34	B	3020	25	76,2	50,8	133,4	29,44	16,91	2,24	PHS 28B-1TBH22	
	23	326,44	B	3020	25	76,2	50,8	133,4	29,44	18,84	2,24	PHS 28B-1TBH23	
	24	340,55	B	3020	25	76,2	50,8	133,4	29,44	20,77	2,24	PHS 28B-1TBH24	
	25	354,66	B	3020	25	76,2	50,8	133,4	29,44	22,70	2,24	PHS 28B-1TBH25	
	26	368,77	B	3020	25	76,2	50,8	133,4	29,44	24,63	2,24	PHS 28B-1TB26	
	27	382,88	B	3020	25	76,2	50,8	133,4	29,44	26,56	2,24	PHS 28B-1TB27	
	28	397,00	B	3020	25	76,2	50,8	133,4	29,44	28,49	2,24	PHS 28B-1TB28	
	30	425,24	B	3020	25	76,2	50,8	133,4	29,44	32,35	2,24	PHS 28B-1TB30	
	32	453,49	B	3020	25	76,2	50,8	133,4	29,44	36,21	2,24	PHS 28B-1TB32	
	38	538,27	B	3535	35	88,9	88,9	165,1	29,44	45,40	3,56	PHS 28B-1TB38	
	40	566,54	C	3535	35	88,9	88,9	165,1	29,44	47,79	3,56	PHS 28B-1TB40	
	42	594,82	C	3535	35	88,9	88,9	165,1	29,44	50,18	3,56	PHS 28B-1TB42	
	45	637,22	C	4040	40	101,6	101,6	219,1	29,44	57,35	8,27	PHS 28B-1TB45	
	48	679,63	C	4040	40	101,6	101,6	219,1	29,44	61,17	8,27	PHS 28B-1TB48	
	54	764,46	C	4040	40	101,6	101,6	219,1	29,44	68,82	8,27	PHS 28B-1TB54	
	57	806,90	C	4040	40	101,6	101,6	219,1	29,44	72,64	8,27	PHS 28B-1TB57	
	60	849,32	C	4040	40	101,6	101,6	219,1	29,44	76,44	8,27	PHS 28B-1TB60	
	68	962,46	C	4040	40	101,6	101,6	219,1	29,44	86,63	8,27	PHS 28B-1TB68	
	72	1 019,05	C	4040	40	101,6	101,6	219,1	29,44	91,73	8,27	PHS 28B-1TB72	
	76	1 075,62	C	4040	40	101,6	101,6	219,1	29,44	96,83	8,27	PHS 28B-1TB76	
	95	1 344,37	C	4040	40	101,6	101,6	219,1	29,44	121,03	8,27	PHS 28B-1TB95	
	50,80	11	180,34	B	2517	16	63,5	44,5	107,9	29,44	4,51	1,30	PHS 32B-1TBH11
		12	196,29	B	3020	25	76,2	50,8	133,4	29,44	5,27	2,24	PHS 32B-1TBH12
13		212,29	B	3020	25	76,2	50,8	133,4	29,44	6,38	2,24	PHS 32B-1TBH13	
14		228,29	B	3020	25	76,2	50,8	133,4	29,44	6,87	2,24	PHS 32B-1TBH14	
15		244,30	B	3535	35	88,9	88,9	165,1	29,44	11,80	5,18	PHS 32B-1TBH15	
16		260,40	B	3535	35	88,9	88,9	165,1	29,44	13,38	5,18	PHS 32B-1TBH16	
17		276,40	B	3535	35	88,9	88,9	165,1	29,44	14,98	5,18	PHS 32B-1TBH17	
18		292,55	B	3535	35	88,9	88,9	165,1	29,44	16,12	5,18	PHS 32B-1TBH18	
19		308,66	B	3535	35	88,9	88,9	165,1	29,44	17,25	5,18	PHS 32B-1TBH19	
20		324,71	B	3535	35	88,9	88,9	165,1	29,44	21,10	5,18	PHS 32B-1TBH20	
21		340,82	B	3535	35	88,9	88,9	165,1	29,44	24,94	5,18	PHS 32B-1TBH21	
22		356,98	B	3535	35	88,9	88,9	165,1	29,44	27,79	5,18	PHS 32B-1TBH22	
23		373,08	B	3535	35	88,9	88,9	165,1	29,44	30,64	5,18	PHS 32B-1TBH23	
24		389,18	B	3535	35	88,9	88,9	165,1	29,44	33,48	5,18	PHS 32B-1TBH24	
25		405,33	B	3535	35	88,9	88,9	165,1	29,44	36,32	5,18	PHS 32B-1TBH25	
26		421,44	B	3535	35	88,9	88,9	165,1	29,44	39,16	5,18	PHS 32B-1TB26	
27		437,59	B	3535	35	88,9	88,9	165,1	29,44	42,00	5,18	PHS 32B-1TB27	
28		453,69	B	3535	35	88,9	88,9	165,1	29,44	44,84	5,18	PHS 32B-1TB28	
30		486,00	B	3535	35	88,9	88,9	165,1	29,44	50,52	5,18	PHS 32B-1TB30	
32		518,26	B	3535	35	88,9	88,9	165,1	29,44	56,20	5,18	PHS 32B-1TB32	
38	615,14	B	4040	40	101,6	101,6	219,1	29,44	68,10	8,27	PHS 32B-1TB38		
40	647,49	C	4040	40	101,6	101,6	219,1	29,44	77,08	8,27	PHS 32B-1TB40		
45	728,26	C	4040	40	101,6	101,6	219,1	29,44	99,53	8,27	PHS 32B-1TB45		
48	776,72	C	4040	40	101,6	101,6	219,1	29,44	113,01	8,27	PHS 32B-1TB48		

<sup>1)</sup> Undercut in hub for chain clearance

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For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

**Metric sprockets, simplex, taper bushed**  
ISO 32B-1 · 50,80 mm pitch

Pitch	Number of teeth	Pitch diameter PD	Type	Bushing number	Dimensions Bore		L	H	Plate thickness t <sub>1</sub>	Mass Rim	Bushing	Designation
					Min.	Max.						
mm	-	mm	-	-	mm					kg		-
<b>50,80</b>	<b>54</b>	873,68	C	4040	40	101,6	114,3	219,1	29,44	139,95	8,27	<b>PHS 32B-1TB54</b>
	<b>57</b>	922,17	C	4545	55	114,3	114,3	247,7	29,44	136,20	9,99	<b>PHS 32B-1TB57</b>
	<b>60</b>	970,63	C	4545	55	114,3	114,3	247,7	29,44	158,84	9,99	<b>PHS 32B-1TB60</b>
	<b>64</b>	1 035,30	C	4545	55	114,3	114,3	247,7	29,44	189,03	9,99	<b>PHS 32B-1TB64</b>
	<b>70</b>	1 132,29	C	4545	55	114,3	114,3	247,7	29,44	234,32	9,99	<b>PHS 32B-1TB70</b>

<sup>1)</sup> Undercut in hub for chain clearance

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