



# SPROCKETS CATALOG



## C.N.INDUSTRIAL PRODUCT

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

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## Sprockets



Metric sprockets, simplex, pilot bore-1 to 13



Metric sprockets, simplex, taper bushed-14 to 23



Metric sprockets, double simplex, pilot bore .....



Metric sprockets, double simplex, taper bushed .....



Metric sprockets, duplex, standard



Metric sprockets, duplex, taper bushed .....



Metric sprockets, triplex, standard.



Metric sprockets, triplex, taper bushed ... ..



ANSI sprockets, simplex, pilot bore



ANSI sprockets, simplex, taper bushed ... ..



ANSI sprockets, double simplex, pilot bore . . . . .



ANSI sprockets, double simplex, taper bushed .....



ANSI sprockets, duplex, pilot bore .



ANSI sprockets, duplex, taper bushed .....



ANSI sprockets, triplex, pilot bore .



## Metric sprockets, triplex, 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.

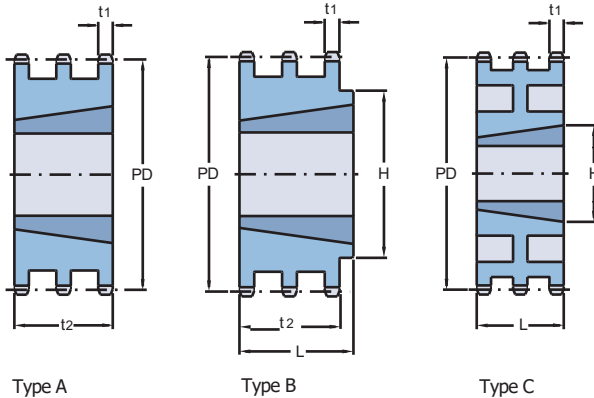


**BUREAU  
VERITAS**



## Metric sprockets, triplex, taper bushed

ISO 12B-3 · 19,05 mm pitch | ISO 16B-3 · 25,40 mm pitch



Pitch	Number of teeth	Pitch diameter PD	Type	Bushing number	Dimensions Bore				Plate thickness		Mass	Designation
					Min.	Max.	L	H	t1	t2		
19,05	17	103,67	A	2012	14	50	-	-	10,87	49,78	1,28	PHS 12B-3TBH17
	19	115,75	A	2517	16	65	-	-	10,87	49,78	2,02	PHS 12B-3TBH19
	21	127,82	A	2517	16	65	-	-	10,87	49,78	2,09	PHS 12B-3TBH21
	23	139,90	A	2517	16	65	-	-	10,87	49,78	3,00	PHS 12B-3TBH23
	25	152,00	A	3020	25	75	-	-	10,87	49,78	3,97	PHS 12B-3TBH25
	27	164,09	B	3020	25	75	140	51,0	10,87	49,78	3,83	PHS 12B-3TB27
	30	182,25	B	3020	25	75	140	51,0	10,87	49,78	5,72	PHS 12B-3TB30
	38	230,69	B	3020	25	75	140	51,0	10,87	49,78	7,76	PHS 12B-3TB38
	45	273,10	C	3020	25	75	140	51,0	10,87	49,78	10,04	PHS 12B-3TB45
	57	345,81	C	3020	25	75	140	51,0	10,87	49,78	14,42	PHS 12B-3TB57
	76	460,99	C	3020	25	75	140	51,0	10,87	49,78	25,50	PHS 12B-3TB76
	95	576,17	C	3030	25	75	140	76,0	10,87	49,78	36,58	PHS 12B-3TB95
	114	691,36	C	3030	25	75	140	76,0	10,87	49,78	47,66	PHS 12B-3TB114
	25,40	17	138,22	A	2517	16	65	-	-	15,82	79,58	4,20
19		154,33	B	3020	35	75	-	76,2	15,82	79,58	4,30	PHS 16B-3TBH19
21		170,43	B	3020	35	75	-	76,2	15,82	79,58	6,60	PHS 16B-3TBH21
23		186,53	B	3525	35	100	-	65,0	15,82	79,58	7,00	PHS 16B-3TBH23
25		202,66	B	3525	35	100	-	65,0	15,82	79,58	9,80	PHS 16B-3TBH25
27		218,79	B	3525	35	100	-	65,0	15,82	79,58	12,80	PHS 16B-3TB27
30		243,00	B	3525	35	100	-	65,0	15,82	79,58	18,00	PHS 16B-3TB30
38		307,59	B	3535	35	100	178	89,0	15,82	79,58	21,50	PHS 16B-3TB38
45		364,13	C	4040	40	115	216	102,0	15,82	79,58	33,50	PHS 16B-3TB45
57		461,07	C	4040	40	115	216	102,0	15,82	79,58	39,50	PHS 16B-3TB57
76	614,65	C	4040	40	115	216	102,0	15,82	79,58	59,50	PHS 16B-3TB76	

Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. 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 12B-3TBH17.



# CALL US FOR MORE DETAILS

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