



SPROCKETS CATALOG



C.N.INDUSTRIAL PRODUCT

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

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ANSI sprocket simplex, pilot bore

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.

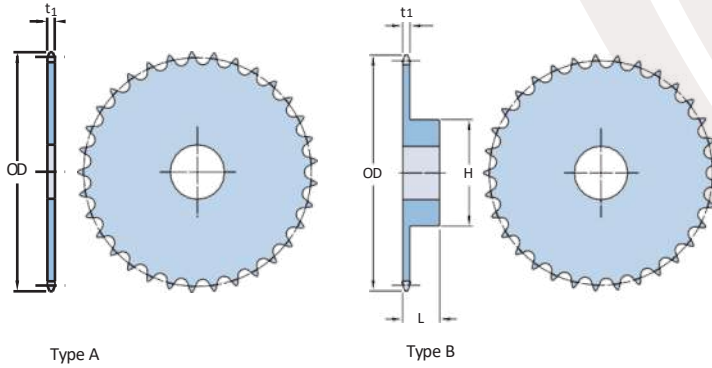
All sprockets are completely deburred and protected with rustproof oil.



**BUREAU
VERITAS**



CNIP SPROCKET



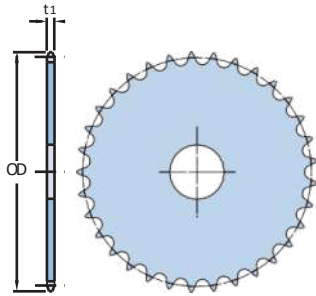
ANSI sprockets, simplex, pilot bore
ANSI 25-1 · 6,35 mm (1/4") pitch

Pitch	Number of teeth	Outside diameter r OD	Type	Dimensions Bore stock	Bore		Hub		Plate thickness t	Mass	Designation	
					Min.	Max.	H	L				
mm	in.	mm		mm					kg			
6,35	1/4	9	21,34	B	-	6,35	6,35	11,11	12,70	2,790	0,01	PHS 25-1B9
		10	23,37	B	-	6,35	6,35	12,70	12,70	2,790	0,01	PHS 25-1B10
	11	25,40	B	-	6,35	7,94	14,29	12,70	2,790	0,02	PHS 25-1B11	
	12	27,43	B	-	6,35	9,53	15,88	12,70	2,790	0,03	PHS 25-1B12	
	13	29,72	B	-	6,35	11,11	18,26	12,70	2,790	0,03	PHS 25-1B13	
	14	31,75	B	-	6,35	14,29	20,64	12,70	2,790	0,04	PHS 25-1B14	
	15	33,78	B	-	6,35	14,29	22,62	12,70	2,790	0,05	PHS 25-1B15	
	16	35,81	B	-	6,35	14,29	24,61	12,70	2,790	0,05	PHS 25-1B16	
	17	37,85	B	-	6,35	15,88	26,19	12,70	2,790	0,06	PHS 25-1B17	
	18	39,88	A	6,35	-	-	-	-	2,790	0,02	PHS 25-1A18	
			B	-	6,35	19,05	28,58	12,70	2,790	0,07	PHS 25-1B18	
	19	41,91	A	6,35	-	-	-	-	2,790	0,02	PHS 25-1A19	
			B	-	6,35	20,64	30,96	12,70	2,790	0,09	PHS 25-1B19	
	20	43,94	A	6,35	-	-	-	-	2,790	0,02	PHS 25-1A20	
			B	-	6,35	22,23	32,54	15,88	2,790	0,11	PHS 25-1B20	
	21	45,97	A	9,53	-	-	-	-	2,790	0,02	PHS 25-1A21	
			B	-	6,35	22,23	34,93	15,88	2,790	0,13	PHS 25-1B21	
	22	48,01	A	9,53	-	-	-	-	2,790	0,03	PHS 25-1A22	
			B	-	6,35	23,81	36,51	15,88	2,790	0,14	PHS 25-1B22	
	23	50,04	A	9,53	-	-	-	-	2,790	0,03	PHS 25-1A23	
			B	-	6,35	25,40	38,10	15,88	2,790	0,15	PHS 25-1B23	
	24	52,07	A	9,53	-	-	-	-	2,790	0,04	PHS 25-1A24	
			B	-	9,53	25,40	38,10	15,88	2,790	0,15	PHS 25-1B24	
	25	54,10	A	9,53	-	-	-	-	2,790	0,04	PHS 25-1A25	
			B	-	9,53	25,40	38,10	15,88	2,790	0,15	PHS 25-1B25	
	26	56,13	A	9,53	-	-	-	-	2,790	0,04	PHS 25-1A26	
			B	-	9,53	25,40	38,10	15,88	2,790	0,16	PHS 25-1B26	
	28	60,20	A	9,53	-	-	-	-	2,790	0,05	PHS 25-1A28	
			B	-	9,53	25,40	38,10	15,88	2,790	0,16	PHS 25-1B28	
	30	64,26	A	9,53	-	-	-	-	2,790	0,05	PHS 25-1A30	
			B	-	9,53	25,40	38,10	15,88	2,790	0,17	PHS 25-1B30	
	32	68,33	A	9,53	-	-	-	-	2,790	0,06	PHS 25-1A32	
			B	-	9,53	25,40	38,10	15,88	2,790	0,18	PHS 25-1B32	
	35	74,42	A	9,53	-	-	-	-	2,790	0,07	PHS 25-1A35	
	36	76,45	A	9,53	-	-	-	-	2,790	0,08	PHS 25-1A36	
			B	-	9,53	25,40	38,10	19,05	2,790	0,23	PHS 25-1B36	
	40	84,58	A	12,70	-	-	-	-	2,790	0,09	PHS 25-1A40	
			B	-	12,70	34,93	50,80	19,05	2,790	0,24	PHS 25-1B40	
	42	88,65	A	12,70	-	-	-	-	2,790	0,11	PHS 25-1A42	

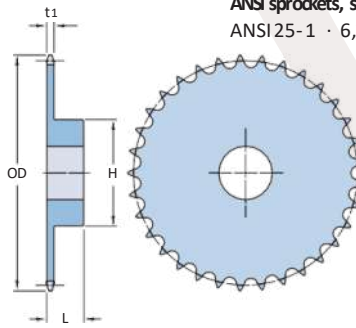
Maximum bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET



Type A



Type B

ANSI sprockets, simplex, pilot bore

ANSI25-1 · 6,35 mm (1/4") pitch

ANSI35-1 · 9,53 mm (3/8") pitch

Pitch	Number of teeth	Outside diameter r OD	Type	Dimensions	Bore		Hub		Plate thickness t ₁	Mass kg	Designation	
					Bore stock	Min.	Max.	H				L
mm	in.	mm		mm								
6,35	1/4	45	A	12,70	–	–	–	–	2,790	0,11	PHS 25-1A45	
			B	–	12,70	34,93	50,80	19,05	2,790	0,25	PHS 25-1B45	
	48	A	12,70	–	–	–	–	–	2,790	0,15	PHS 25-1A48	
		B	–	12,70	34,93	50,80	19,05	2,790	0,25	PHS 25-1B48		
	54	A	12,70	–	–	–	–	–	2,790	0,17	PHS 25-1A54	
		B	–	12,70	34,93	50,80	19,05	2,790	0,45	PHS 25-1B54		
	60	A	12,70	–	–	–	–	–	2,790	0,24	PHS 25-1A60	
		B	–	12,70	34,93	50,80	19,05	2,790	0,50	PHS 25-1B60		
	70	B	–	12,70	34,93	50,80	19,05	2,790	0,57	PHS 25-1B70		
	72	A	12,70	–	–	–	–	–	2,790	0,34	PHS 25-1A72	
		B	–	12,70	34,93	50,80	19,05	2,790	0,59	PHS 25-1B72		
	9,53	3/8	8	B	–	9,53	9,53	19,05	19,05	4,270	0,03	PHS 35-1BH8
				B	–	9,53	9,53	21,43	19,05	4,270	0,04	PHS 35-1BH9
			10	B	–	9,53	14,29	24,61	19,05	4,270	0,06	PHS 35-1BH10
B				–	9,53	14,29	26,99	19,05	4,270	0,08	PHS 35-1BH11	
12			B	–	12,70	14,29	30,96	19,05	4,270	0,09	PHS 35-1BH12	
			B	–	12,70	17,46	31,75	19,05	4,270	0,10	PHS 35-1BH13	
14			B	–	12,70	22,23	31,75	19,05	4,270	0,11	PHS 35-1BH14	
			A	12,70	–	–	–	–	–	4,270	0,05	PHS 35-1A15
16			A	12,70	–	–	–	–	–	4,270	0,05	PHS 35-1A16
			B	–	12,70	23,81	37,31	19,05	4,270	0,16	PHS 35-1BH16	
17			A	12,70	–	–	–	–	–	4,270	0,05	PHS 35-1A17
			B	–	12,70	26,99	40,48	19,05	4,270	0,19	PHS 35-1BH17	
18			A	12,70	–	–	–	–	–	4,270	0,06	PHS 35-1A18
			B	–	12,70	30,16	43,66	19,05	4,270	0,22	PHS 35-1BH18	
19			A	12,70	–	–	–	–	–	4,270	0,07	PHS 35-1A19
			B	–	12,70	31,75	46,83	19,05	4,270	0,24	PHS 35-1BH19	
20			A	12,70	–	–	–	–	–	4,270	0,09	PHS 35-1A20
			B	–	12,70	33,34	49,21	19,05	4,270	0,27	PHS 35-1BH20	
21			A	12,70	–	–	–	–	–	4,270	0,09	PHS 35-1A21
			B	–	12,70	34,93	50,80	22,23	4,270	0,36	PHS 35-1BH21	
22			A	12,70	–	–	–	–	–	4,270	0,10	PHS 35-1A22
			B	–	12,70	34,93	50,80	22,23	4,270	0,36	PHS 35-1BH22	
23			A	12,70	–	–	–	–	–	4,270	0,11	PHS 35-1A23
			B	–	12,70	34,93	50,80	22,23	4,270	0,37	PHS 35-1BH23	
24			A	12,70	–	–	–	–	–	4,270	0,12	PHS 35-1A24
	B	–	12,70	34,93	50,80	22,23	4,270	0,40	PHS 35-1BH24			
25	A	12,70	–	–	–	–	–	4,270	0,13	PHS 35-1A25		
	B	–	12,70	34,93	50,80	22,23	4,270	0,40	PHS 35-1BH25			

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 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

ANSI35-1 · 9,53 mm (3/8") pitch

ANSI41-1 · 12,70 mm (1/2") pitch

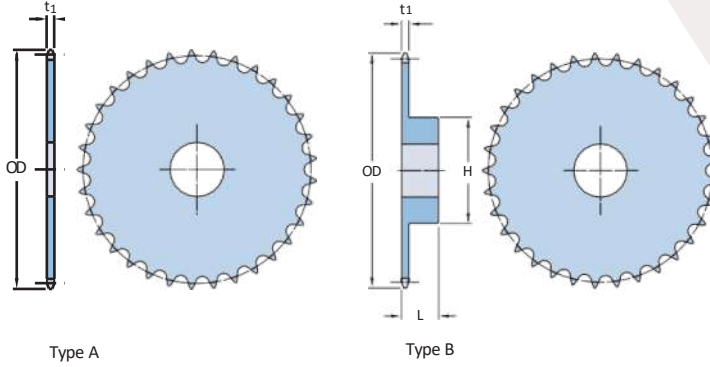
Pitch	Number of teeth	Outside diameter	Type	Dimensions Bore stock	Bore		Hub		Plate thickness	Mass	Designation
					Min.	Max.	H	L			
mm	in.	mm	mm	mm	mm	mm	mm	mm	mm	kg	mm
9,53	3/8	26	A	12,70	-	-	-	-	4,270	0,13	PHS 35-1A26
			B	-	12,70	34,93	50,80	22,23	4,270	0,41	PHS 35-1B26
	27	A	12,70	-	-	-	-	4,270	0,15	PHS 35-1A27	
		B	-	12,70	34,93	50,80	22,23	4,270	0,43	PHS 35-1B27	
	28	A	12,70	-	-	-	-	4,270	0,15	PHS 35-1A28	
		B	-	12,70	34,93	50,80	22,23	4,270	0,43	PHS 35-1B28	
	30	A	12,70	-	-	-	-	4,270	0,21	PHS 35-1A30	
		B	-	12,70	34,93	50,80	22,23	4,270	0,46	PHS 35-1B30	
	32	A	15,88	-	-	-	-	4,270	0,21	PHS 35-1A32	
		B	-	12,70	34,93	50,80	22,23	4,270	0,56	PHS 35-1B32	
	35	A	15,88	-	-	-	-	4,270	0,27	PHS 35-1A35	
		B	-	15,88	38,10	57,15	22,23	4,270	0,68	PHS 35-1B35	
	36	A	15,88	-	-	-	-	4,270	0,28	PHS 35-1A36	
		B	-	15,88	38,10	57,15	22,23	4,270	0,71	PHS 35-1B36	
	40	A	15,08	-	-	-	-	4,270	0,32	PHS 35-1A40	
		B	-	15,88	38,10	57,15	25,40	4,270	0,73	PHS 35-1B40	
	42	A	15,08	-	-	-	-	4,270	0,35	PHS 35-1A42	
		B	-	15,88	38,10	57,15	25,40	4,270	0,76	PHS 35-1B42	
	45	A	15,08	-	-	-	-	4,270	0,40	PHS 35-1A45	
		B	-	15,88	38,10	57,15	25,40	4,270	0,81	PHS 35-1B45	
	48	A	15,08	-	-	-	-	4,270	0,55	PHS 35-1A48	
		B	-	15,88	38,10	57,15	25,40	4,270	0,85	PHS 35-1B48	
	54	A	15,08	-	-	-	-	4,270	0,60	PHS 35-1A54	
		B	-	15,88	38,10	57,15	25,40	4,270	1,00	PHS 35-1B54	
	60	A	18,26	-	-	-	-	4,270	0,75	PHS 35-1A60	
		B	-	19,05	38,10	57,15	25,40	4,270	1,12	PHS 35-1B60	
	70	A	18,26	-	-	-	-	4,270	1,04	PHS 35-1A70	
		B	-	19,05	38,10	57,15	25,40	4,270	1,42	PHS 35-1B70	
	72	A	18,26	-	-	-	-	4,270	1,16	PHS 35-1A72	
		B	-	19,05	38,10	57,15	25,40	4,270	1,55	PHS 35-1B72	
	80	A	18,26	-	-	-	-	4,270	1,43	PHS 35-1A80	
		B	-	19,05	38,10	57,15	25,40	4,270	1,73	PHS 35-1B80	
84	A	18,26	-	-	-	-	4,270	1,48	PHS 35-1A84		
	B	-	19,05	38,10	57,15	25,40	4,270	1,92	PHS 35-1B84		
96	A	18,26	-	-	-	-	4,270	2,10	PHS 35-1A96		
	B	-	19,05	38,10	57,15	25,40	4,270	2,34	PHS 35-1B96		
112	A	18,26	-	-	-	-	4,270	2,29	PHS 35-1A112		
	B	-	19,05	38,10	57,15	25,40	4,270	3,04	PHS 35-1B112		
12,70	1/2	6	B	-	9,53	9,53	16,67	22,23	5,770	0,03	PHS 41-1BH6
			B	-	9,53	9,53	19,05	22,23	5,770	0,05	PHS 41-1BH7
		7	B	-	12,70	12,70	25,00	22,23	5,770	0,09	PHS 41-1BH8
			B	-	12,70	15,88	28,58	22,23	5,770	0,09	PHS 41-1BH9
		8	B	-	12,70	19,05	31,75	22,23	5,770	0,12	PHS 41-1BH10
			B	-	12,70	22,23	36,51	22,23	5,770	0,16	PHS 41-1BH11
		9	B	-	12,70	23,81	39,69	22,23	5,770	0,20	PHS 41-1BH12
			B	-	12,70	25,40	39,69	22,23	5,770	0,23	PHS 41-1BH13
		10	B	-	12,70	31,75	44,45	22,23	5,770	0,26	PHS 41-1BH14
			B	-	12,70	31,75	44,45	22,23	5,770	0,26	PHS 41-1BH14
		11	A	15,88	-	-	-	-	5,770	0,13	PHS 41-1A15
			B	-	12,70	33,34	55,56	22,23	5,770	0,33	PHS 41-1BH15
		12	A	15,88	-	-	-	-	5,770	0,15	PHS 41-1A16
			B	-	15,88	34,93	52,39	22,23	5,770	0,41	PHS 41-1BH16
		13	A	15,88	-	-	-	-	5,770	0,16	PHS 41-1A17
			B	-	15,88	38,10	56,75	25,40	5,770	0,49	PHS 41-1BH17
		14	A	15,88	-	-	-	-	5,770	0,20	PHS 41-1A18
			B	-	15,88	41,28	60,33	25,40	5,770	0,57	PHS 41-1BH18
		15	A	15,88	-	-	-	-	5,770	0,21	PHS 41-1A19
A	15,88		-	-	-	-	5,770	0,21	PHS 41-1A19		

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ditional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore
ANSI 41-1 · 12,70 mm (1/2") pitch



Pitch	Number of teeth	Outside diameter r OD	Type	Dimension s Bore stock	Bore		Hub		Plate thickness t ₁	Mass	Designation	
					Min.	Max.	H	L				
mm	in.	mm	–	mm	mm	mm	mm	mm	mm	kg	–	
12,70	1/2	19	83,82	B	–	15,88	44,45	62,71	25,40	5,770	0,68	PHS 41-1BH19
				A	15,88	–	–	–	–	5,770	0,24	PHS 41-1A20
				B	–	15,88	47,63	69,85	25,40	5,770	0,74	PHS 41-1BH20
				A	15,88	–	–	–	–	5,770	0,27	PHS 41-1A21
				B	–	15,88	47,63	73,03	25,40	5,770	0,82	PHS 41-1BH21
				A	15,88	–	–	–	–	5,770	0,30	PHS 41-1A22
				B	–	15,88	50,80	76,20	25,40	5,770	0,88	PHS 41-1BH22
				A	15,88	–	–	–	–	5,770	0,33	PHS 41-1A23
				B	–	15,88	57,15	80,96	25,40	5,770	1,02	PHS 41-1BH23
				A	15,88	–	–	–	–	5,770	0,37	PHS 41-1A24
				B	–	15,88	57,15	82,55	25,40	5,770	1,06	PHS 41-1BH24
				A	15,88	–	–	–	–	5,770	0,40	PHS 41-1A25
				B	–	15,88	57,15	82,55	25,40	5,770	1,12	PHS 41-1BH25
				A	15,88	–	–	–	–	5,770	0,43	PHS 41-1A26
				B	–	15,88	57,15	82,55	25,40	5,770	1,13	PHS 41-1B26
				A	15,88	–	–	–	–	5,770	0,45	PHS 41-1A27
				B	–	15,88	57,15	82,55	25,40	5,770	1,16	PHS 41-1B27
				A	15,88	–	–	–	–	5,770	0,49	PHS 41-1A28
				B	–	15,88	57,15	82,55	25,40	5,770	1,20	PHS 41-1B28
				A	15,08	–	–	–	–	5,770	0,54	PHS 41-1A30
				B	–	15,88	57,15	82,55	25,40	5,770	1,27	PHS 41-1B30
				A	15,08	–	–	–	–	5,770	0,65	PHS 41-1A32
				B	–	15,88	57,15	82,55	25,40	5,770	1,34	PHS 41-1B32
				A	15,08	–	–	–	–	5,770	0,77	PHS 41-1A35
				B	–	15,88	60,33	82,55	25,40	5,770	1,42	PHS 41-1B35
				A	15,08	–	–	–	–	5,770	0,83	PHS 41-1A36
				B	–	15,88	60,33	82,55	25,40	5,770	1,51	PHS 41-1B36
				A	18,26	–	–	–	–	5,770	1,01	PHS 41-1A40
				B	–	19,05	60,33	82,55	26,99	5,770	1,84	PHS 41-1B40
				A	18,26	–	–	–	–	5,770	1,13	PHS 41-1A42
				B	–	19,05	60,33	88,90	26,99	5,770	1,86	PHS 41-1B42
				A	18,26	–	–	–	–	5,770	1,14	PHS 41-1A45
				B	–	19,05	60,33	88,90	26,99	5,770	1,90	PHS 41-1B45
				A	18,26	–	–	–	–	5,770	1,32	PHS 41-1A48
				B	–	19,05	60,33	88,90	26,99	5,770	2,23	PHS 41-1B48
				A	18,26	–	–	–	–	5,770	1,61	PHS 41-1A54
				B	–	19,05	60,33	88,90	26,99	5,770	2,58	PHS 41-1B54
				A	18,26	–	–	–	–	5,770	2,09	PHS 41-1A60
				B	–	19,05	60,33	88,90	26,99	5,770	3,08	PHS 41-1B60
				A	18,26	–	–	–	–	5,770	2,82	PHS 41-1A70
				B	–	19,05	69,85	101,60	30,16	5,770	4,33	PHS 41-1B70
				A	18,26	–	–	–	–	5,770	2,87	PHS 41-1A72
				B	–	19,05	69,85	101,60	30,16	5,770	4,37	PHS 41-1B72

¹ accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or id including 25 tooth, are with hardened teeth as standard.
ze sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

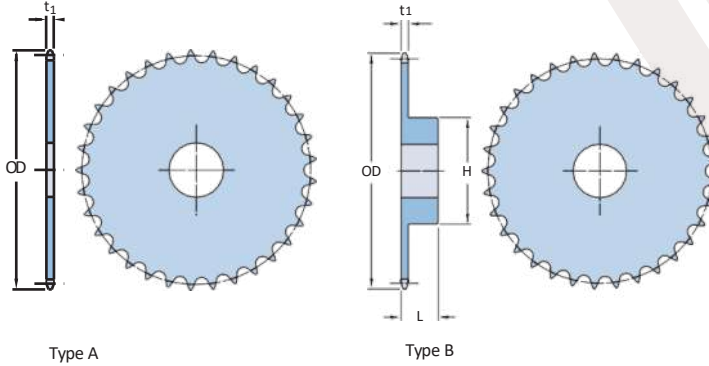
ANSI 41-1 · 12,70 mm (1/2") pitch | ANSI 40-1 · 12,70 mm (1/2") pitch

Pitch		Number of teeth	Outside diameter OD	Type	Dimensions Bore stock	Bore		Hub		Plate thickness t _i	Mass kg	Designation
mm	in.					Min.	Max.	H	L			
12,70	1/2	80	330,96	A	18,26	–	–	–	–	5,770	3,84	PHS 41-1A80
			330,96	B	–	19,05	69,85	101,60	30,16	5,770	5,23	PHS 41-1B80
		84	346,96	A	18,26	–	–	–	–	5,770	4,14	PHS 41-1A84
			346,96	B	–	19,05	69,85	101,60	30,16	5,770	5,53	PHS 41-1B84
		96	395,48	A	23,81	–	–	–	–	5,770	5,37	PHS 41-1A96
			395,48	B	–	25,40	69,85	101,60	30,16	5,770	6,74	PHS 41-1B96
		112	460,25	A	23,81	–	–	–	–	5,770	7,18	PHS 41-1A112
			460,25	B	–	25,40	69,85	101,60	30,16	5,770	8,69	PHS 41-1B112
		8	38,10	B	–	12,70	12,70	24,61	22,23	7,210	0,08	PHS 40-1BH8
		9	42,42	B	–	12,70	14,29	26,99	22,23	7,210	0,09	PHS 40-1BH9
		10	46,74	B	–	12,70	19,05	31,75	22,23	7,210	0,12	PHS 40-1BH10
		11	50,80	B	–	12,70	22,23	34,93	22,23	7,210	0,16	PHS 40-1BH11
		12	55,12	A	12,70	–	–	–	–	7,210	0,08	PHS 40-1A12
			55,12	B	–	12,70	25,40	39,69	22,23	7,210	0,20	PHS 40-1B12
		13	59,18	A	12,70	–	–	–	–	7,210	0,10	PHS 40-1A13
			59,18	B	–	12,70	26,99	39,69	22,23	7,210	0,23	PHS 40-1B13
		14	63,25	A	12,70	–	–	–	–	7,210	0,12	PHS 40-1A14
			63,25	B	–	12,70	28,58	42,86	22,23	7,210	0,27	PHS 40-1B14
		15	67,31	A	15,88	–	–	–	–	7,210	0,14	PHS 40-1A15
			67,31	B	–	12,70	31,75	46,04	22,23	7,210	0,32	PHS 40-1B15
		16	71,37	A	15,88	–	–	–	–	7,210	0,15	PHS 40-1A16
			71,37	B	–	15,88	34,93	50,80	22,23	7,210	0,36	PHS 40-1B16
		17	75,69	A	15,88	–	–	–	–	7,210	0,16	PHS 40-1A17
			75,69	B	–	15,88	36,51	53,98	25,40	7,210	0,47	PHS 40-1B17
		18	79,76	A	15,88	–	–	–	–	7,210	0,20	PHS 40-1A18
			79,76	B	–	15,88	38,10	58,74	25,40	7,210	0,55	PHS 40-1B18
		19	83,82	A	15,88	–	–	–	–	7,210	0,21	PHS 40-1A19
			83,82	B	–	15,88	44,45	63,50	25,40	7,210	0,65	PHS 40-1B19
		20	87,88	A	15,88	–	–	–	–	7,210	0,25	PHS 40-1A20
			87,88	B	–	15,88	47,63	66,68	25,40	7,210	0,71	PHS 40-1B20
		21	91,95	A	15,88	–	–	–	–	7,210	0,26	PHS 40-1A21
			91,95	B	–	15,88	47,63	69,85	25,40	7,210	0,78	PHS 40-1B21
		22	96,01	A	15,88	–	–	–	–	7,210	0,30	PHS 40-1A22
			96,01	B	–	15,88	47,63	73,03	25,40	7,210	0,89	PHS 40-1B22
23	100,08	A	15,88	–	–	–	–	7,210	0,33	PHS 40-1A23		
	100,08	B	–	15,88	50,80	76,20	25,40	7,210	0,97	PHS 40-1B23		
24	104,14	A	15,88	–	–	–	–	7,210	0,37	PHS 40-1A24		
	104,14	B	–	15,88	57,15	82,55	25,40	7,210	1,09	PHS 40-1B24		
25	108,20	A	15,88	–	–	–	–	7,210	0,40	PHS 40-1A25		
	108,20	B	–	15,88	57,15	82,55	25,40	7,210	1,15	PHS 40-1B25		
26	112,27	A	15,88	–	–	–	–	7,210	0,43	PHS 40-1A26		
	112,27	B	–	15,88	57,15	82,55	25,40	7,210	1,17	PHS 40-1B26		
27	116,33	A	15,88	–	–	–	–	7,210	0,44	PHS 40-1A27		
	116,33	B	–	15,88	57,15	82,55	25,40	7,210	1,21	PHS 40-1B27		
28	120,40	A	15,88	–	–	–	–	7,210	0,50	PHS 40-1A28		
	120,40	B	–	15,88	57,15	82,55	25,40	7,210	1,24	PHS 40-1B28		
29	124,46	A	15,08	–	–	–	–	7,210	0,55	PHS 40-1A29		
	124,46	B	–	15,88	57,15	82,55	25,40	7,210	1,27	PHS 40-1B29		
30	128,52	A	15,08	–	–	–	–	7,210	0,57	PHS 40-1A30		
	128,52	B	–	15,88	57,15	82,55	25,40	7,210	1,35	PHS 40-1B30		
31	132,59	A	15,08	–	–	–	–	7,210	0,64	PHS 40-1A31		
	132,59	B	–	15,88	57,15	82,55	25,40	7,210	1,41	PHS 40-1B31		
32	136,65	A	15,08	–	–	–	–	7,210	0,67	PHS 40-1A32		
	136,65	B	–	15,88	57,15	82,55	25,40	7,210	1,43	PHS 40-1B32		
33	140,72	A	15,08	–	–	–	–	7,210	0,71	PHS 40-1A33		
	140,72	B	–	15,88	57,15	82,55	25,40	7,210	1,46	PHS 40-1B33		
34	144,78	A	15,08	–	–	–	–	7,210	0,74	PHS 40-1A34		
	144,78	B	–	15,88	57,15	82,55	25,40	7,210	1,50	PHS 40-1B34		

bore can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or up to and including 25 tooth, are with hardened teeth as standard.

Additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

ANSI sprockets, simplex, pilot bore
ANSI 40-1 · 12,70 mm (1/2") pitch



Pitch	Number of teeth	Outside diameter r OD	Type	Dimensions		Bore		Hub		Plate thickness t ₁	Mass kg	Designation
				s	r	Min.	Max.	H	L			
mm	in.	mm	-	mm	mm	mm	mm	mm	mm	mm	kg	-
12,70	1/2	35	A	15,08	-	-	-	-	-	7,210	0,77	PHS 40-1A35
			B	-	15,88	57,15	82,55	25,40	7,210	1,57	PHS 40-1B35	
	36	A	15,08	-	-	-	-	-	7,210	0,83	PHS 40-1A36	
		B	-	15,88	57,15	82,55	25,40	7,210	1,62	PHS 40-1B36		
	37	A	15,08	-	-	-	-	-	7,210	0,87	PHS 40-1A37	
		B	-	15,88	57,15	82,55	25,40	7,210	1,64	PHS 40-1B37		
	38	A	15,08	-	-	-	-	-	7,210	0,91	PHS 40-1A38	
		B	-	15,88	57,15	82,55	25,40	7,210	1,68	PHS 40-1B38		
	39	A	15,08	-	-	-	-	-	7,210	0,92	PHS 40-1A39	
		B	-	15,88	57,15	82,55	25,40	7,210	1,71	PHS 40-1B39		
	40	A	18,26	-	-	-	-	-	7,210	1,01	PHS 40-1A40	
		B	-	19,05	60,33	88,90	28,58	7,210	2,13	PHS 40-1B40		
	41	A	18,26	-	-	-	-	-	7,210	1,10	PHS 40-1A41	
		B	-	19,05	60,33	88,90	28,58	7,210	2,16	PHS 40-1B41		
	42	A	18,26	-	-	-	-	-	7,210	1,13	PHS 40-1A42	
		B	-	19,05	60,33	88,90	28,58	7,210	2,19	PHS 40-1B42		
	43	A	18,26	-	-	-	-	-	7,210	1,27	PHS 40-1A43	
		B	-	19,05	60,33	88,90	28,58	7,210	2,32	PHS 40-1B43		
	44	A	18,26	-	-	-	-	-	7,210	1,29	PHS 40-1A44	
		B	-	19,05	60,33	88,90	28,58	7,210	2,34	PHS 40-1B44		
	45	A	18,26	-	-	-	-	-	7,210	1,43	PHS 40-1A45	
		B	-	19,05	60,33	88,90	28,58	7,210	2,40	PHS 40-1B45		
	46	A	18,26	-	-	-	-	-	7,210	1,48	PHS 40-1A46	
		B	-	19,05	60,33	88,90	28,58	7,210	2,53	PHS 40-1B46		
	47	A	18,26	-	-	-	-	-	7,210	1,51	PHS 40-1A47	
		B	-	19,05	60,33	88,90	28,58	7,210	2,47	PHS 40-1B47		
	48	A	18,26	-	-	-	-	-	7,210	1,46	PHS 40-1A48	
		B	-	19,05	60,33	88,90	28,58	7,210	2,65	PHS 40-1B48		
	49	A	18,26	-	-	-	-	-	7,210	1,56	PHS 40-1A49	
		B	-	19,05	60,33	88,90	28,58	7,210	2,68	PHS 40-1B49		
	50	A	18,26	-	-	-	-	-	7,210	1,64	PHS 40-1A50	
		B	-	19,05	60,33	88,90	28,58	7,210	2,70	PHS 40-1B50		
51	A	18,26	-	-	-	-	-	7,210	1,79	PHS 40-1A51		
	B	-	19,05	60,33	88,90	28,58	7,210	2,76	PHS 40-1B51			
52	A	18,26	-	-	-	-	-	7,210	1,85	PHS 40-1A52		
	B	-	19,05	60,33	88,90	28,58	7,210	2,85	PHS 40-1B52			
53	A	18,26	-	-	-	-	-	7,210	1,83	PHS 40-1A53		
	B	-	19,05	60,33	88,90	28,58	7,210	2,87	PHS 40-1B53			
54	A	18,26	-	-	-	-	-	7,210	2,01	PHS 40-1A54		
	B	-	19,05	60,33	88,90	28,58	7,210	2,91	PHS 40-1B54			
55	A	18,26	-	-	-	-	-	7,210	2,06	PHS 40-1A55		
	B	-	19,05	60,33	88,90	28,58	7,210	2,93	PHS 40-1B55			
56	A	18,26	-	-	-	-	-	7,210	2,20	PHS 40-1A56		

¹ bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B bores, up to and including 25 tooth, are with hardened teeth as standard.
Additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-18H9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

ANSI 40-1 · 12,70 mm ($\frac{1}{2}$ " pitch) | ANSI 50-1 · 15,88 mm ($\frac{5}{8}$ " pitch)

Pitch	Number of teeth	Outside diameter OD	Type	Dimensions Bore stock	Bore		Hub		Plate thickness t _i	Mass kg	Designation	
					Min.	Max.	H	L				
mm	in.	mm	mm	mm	mm	mm	mm	mm	mm	kg	mm	
12,70	1/2	56	233,68	B	–	19,05	60,33	88,90	28,58	7,210	3,13	PHS 40-1B56
			237,74	A	18,26	–	–	–	–	7,210	2,27	PHS 40-1A57
	57	237,74	B	–	19,05	60,33	88,90	28,58	7,210	3,18	PHS 40-1B57	
		241,81	A	18,26	–	–	–	–	7,210	2,32	PHS 40-1A58	
	58	241,81	B	–	19,05	60,33	88,90	28,58	7,210	3,34	PHS 40-1B58	
		245,87	A	18,26	–	–	–	–	7,210	2,40	PHS 40-1A59	
	59	245,87	B	–	19,05	60,33	88,90	28,58	7,210	3,38	PHS 40-1B59	
		249,94	A	18,26	–	–	–	–	7,210	2,49	PHS 40-1A60	
	60	249,94	B	–	19,05	60,33	88,90	28,58	7,210	3,57	PHS 40-1B60	
		290,32	A	18,26	–	–	–	–	7,210	3,28	PHS 40-1A70	
	70	290,32	B	–	19,05	69,85	101,60	31,75	7,210	4,99	PHS 40-1B70	
		298,45	A	18,26	–	–	–	–	7,210	3,51	PHS 40-1A72	
	72	298,45	B	–	19,05	69,85	101,60	31,75	7,210	5,22	PHS 40-1B72	
		330,96	A	18,26	–	–	–	–	7,210	4,63	PHS 40-1A80	
	80	330,96	B	–	19,05	69,85	101,60	31,75	7,210	6,08	PHS 40-1B80	
		346,96	A	18,26	–	–	–	–	7,210	4,57	PHS 40-1A84	
	84	346,96	B	–	19,05	69,85	101,60	31,75	7,210	6,37	PHS 40-1B84	
		395,48	A	23,81	–	–	–	–	7,210	5,51	PHS 40-1A96	
	96	395,48	B	–	25,40	69,85	101,60	31,75	7,210	7,97	PHS 40-1B96	
		460,25	A	23,81	–	–	–	–	7,210	9,07	PHS 40-1A112	
	112	460,25	B	–	25,40	69,85	101,60	31,75	7,210	10,23	PHS 40-1B112	
		15,88	5/8	8	47,75	B	–	15,88	15,88	28,58	25,40	8,710
53,09	B				–	15,88	19,05	34,93	25,40	8,710	0,16	PHS 50-1BH9
58,42	B			–	15,88	22,23	39,69	25,40	8,710	0,22	PHS 50-1BH10	
63,50	B			–	15,88	25,40	44,45	25,40	8,710	0,29	PHS 50-1BH11	
12	68,83			A	15,88	–	–	–	–	8,710	0,15	PHS 50-1A12
	68,83			B	–	15,88	31,75	50,40	25,40	8,710	0,38	PHS 50-1BH12
13	73,91			A	15,88	–	–	–	–	8,710	0,19	PHS 50-1A13
	73,91			B	–	15,88	33,34	47,63	25,40	8,710	0,40	PHS 50-1BH13
14	78,99			A	15,88	–	–	–	–	8,710	0,23	PHS 50-1A14
	78,99			B	–	15,88	36,51	53,98	25,40	8,710	0,51	PHS 50-1BH14
15	84,33			A	15,88	–	–	–	–	8,710	0,24	PHS 50-1A15
	84,33			B	–	15,88	38,10	60,33	25,40	8,710	0,61	PHS 50-1BH15
16	89,41			A	15,88	–	–	–	–	8,710	0,31	PHS 50-1A16
	89,41			B	–	15,88	44,45	63,50	25,40	8,710	0,68	PHS 50-1BH16
17	94,49			A	15,88	–	–	–	–	8,710	0,34	PHS 50-1A17
	94,49			B	–	15,88	47,63	68,26	25,40	8,710	0,79	PHS 50-1BH17
18	99,57			A	15,88	–	–	–	–	8,710	0,39	PHS 50-1A18
	99,57			B	–	15,88	47,63	73,03	25,40	8,710	0,91	PHS 50-1BH18
19	104,65			A	15,88	–	–	–	–	8,710	0,43	PHS 50-1A19
	104,65			B	–	15,88	50,80	76,20	25,40	8,710	1,01	PHS 50-1BH19
20	109,73			A	19,05	–	–	–	–	8,710	0,48	PHS 50-1A20
	109,73			B	–	19,05	50,80	76,20	25,40	8,710	1,03	PHS 50-1BH20
21	114,81			A	19,05	–	–	–	–	8,710	0,51	PHS 50-1A21
	114,81			B	–	19,05	50,80	76,20	25,40	8,710	1,09	PHS 50-1BH21
22	119,89			A	19,05	–	–	–	–	8,710	0,59	PHS 50-1A22
	119,89			B	–	19,05	50,80	76,20	25,40	8,710	1,16	PHS 50-1BH22
23	124,97			A	19,05	–	–	–	–	8,710	0,65	PHS 50-1A23
	124,97	B	–	19,05	50,80	76,20	25,40	8,710	1,21	PHS 50-1BH23		
24	130,05	A	18,26	–	–	–	–	8,710	0,68	PHS 50-1A24		
	130,05	B	–	19,05	50,80	76,20	31,75	8,710	1,50	PHS 50-1BH24		
25	135,13	A	18,26	–	–	–	–	8,710	0,73	PHS 50-1A25		
	135,13	B	–	19,05	50,80	76,20	31,75	8,710	1,54	PHS 50-1BH25		
26	140,21	A	18,26	–	–	–	–	8,710	0,78	PHS 50-1A26		
	140,21	B	–	19,05	50,80	76,20	31,75	8,710	1,56	PHS 50-1B26		
27	145,29	A	18,26	–	–	–	–	8,710	0,89	PHS 50-1A27		
	145,29	B	–	19,05	50,80	76,20	31,75	8,710	1,70	PHS 50-1B27		

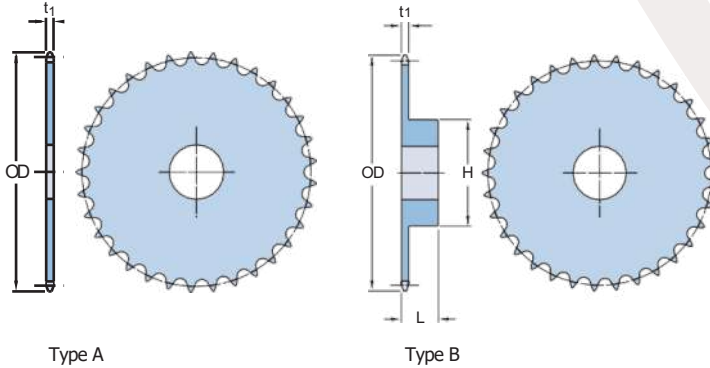
bore can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or C sprockets up to and including 25 teeth, are with hardened teeth as standard.

Additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

ANSI50-1 · 15,88 mm (5/8") pitch



Pitch	Number of teeth	Outside diameter r OD	Type	Dimensions		Bore		Hub		Plate thickness	Mass kg	Designation
				s	Bore stock	Min.	Max.	H	L	t ₁		
mm	in.	mm	–	mm	–	mm	–	–	–	mm	–	–
15,88	5/8	28	A	18,26	–	–	–	–	–	8,710	0,93	PHS 50-1A28
			B	–	19,05	50,80	76,20	31,75	8,710	1,72	PHS 50-1B28	
	29	A	18,26	–	–	–	–	–	8,710	1,07	PHS 50-1A29	
		B	–	19,05	50,80	76,20	31,75	8,710	1,84	PHS 50-1B29		
	30	A	18,26	–	–	–	–	–	8,710	1,15	PHS 50-1A30	
		B	–	19,05	57,15	82,55	31,75	8,710	2,07	PHS 50-1B30		
	31	A	18,26	–	–	–	–	–	8,710	1,27	PHS 50-1A31	
		B	–	19,05	57,15	82,55	31,75	8,710	2,15	PHS 50-1B31		
	32	A	18,26	–	–	–	–	–	8,710	1,23	PHS 50-1A32	
		B	–	19,05	57,15	82,55	31,75	8,710	2,25	PHS 50-1B32		
	33	A	18,26	–	–	–	–	–	8,710	1,42	PHS 50-1A33	
		B	–	19,05	57,15	82,55	31,75	8,710	2,36	PHS 50-1B33		
	34	A	18,26	–	–	–	–	–	8,710	1,45	PHS 50-1A34	
		B	–	19,05	57,15	82,55	31,75	8,710	2,33	PHS 50-1B34		
	35	A	18,26	–	–	–	–	–	8,710	1,51	PHS 50-1A35	
		B	–	19,05	57,15	82,55	31,75	8,710	2,47	PHS 50-1B35		
	36	A	18,26	–	–	–	–	–	8,710	1,73	PHS 50-1A36	
		B	–	19,05	57,15	82,55	31,75	8,710	2,56	PHS 50-1B36		
	37	A	18,26	–	–	–	–	–	8,710	1,81	PHS 50-1A37	
		B	–	19,05	57,15	82,55	31,75	8,710	2,68	PHS 50-1B37		
	38	A	18,26	–	–	–	–	–	8,710	1,88	PHS 50-1A38	
		B	–	19,05	57,15	82,55	31,75	8,710	2,76	PHS 50-1B38		
	39	A	18,26	–	–	–	–	–	8,710	2,00	PHS 50-1A39	
		B	–	19,05	57,15	82,55	31,75	8,710	2,86	PHS 50-1B39		
	40	A	18,26	–	–	–	–	–	8,710	2,02	PHS 50-1A40	
		B	–	19,05	57,15	82,55	31,75	8,710	2,95	PHS 50-1B40		
	41	A	18,26	–	–	–	–	–	8,710	2,20	PHS 50-1A41	
		B	–	19,05	57,15	82,55	31,75	8,710	3,01	PHS 50-1B41		
	42	A	18,26	–	–	–	–	–	8,710	2,26	PHS 50-1A42	
		B	–	19,05	57,15	82,55	31,75	8,710	3,16	PHS 50-1B42		
	43	A	18,26	–	–	–	–	–	8,710	2,38	PHS 50-1A43	
		B	–	19,05	57,15	82,55	31,75	8,710	3,20	PHS 50-1B43		
	44	A	18,26	–	–	–	–	–	8,710	2,46	PHS 50-1A44	
		B	–	19,05	57,15	82,55	31,75	8,710	3,44	PHS 50-1B44		
	45	A	18,26	–	–	–	–	–	8,710	2,69	PHS 50-1A45	
		B	–	19,05	63,50	95,25	31,75	8,710	3,89	PHS 50-1B45		
	46	A	23,81	–	–	–	–	–	8,710	2,91	PHS 50-1A46	
		B	–	25,40	63,50	95,25	31,75	8,710	3,73	PHS 50-1B46		
	47	A	23,81	–	–	–	–	–	8,710	2,95	PHS 50-1A47	
		B	–	25,40	63,50	95,25	31,75	8,710	3,85	PHS 50-1B47		
	48	A	23,81	–	–	–	–	–	8,710	2,98	PHS 50-1A48	
		B	–	25,40	63,50	95,25	31,75	8,710	4,21	PHS 50-1B48		
	49	A	23,81	–	–	–	–	–	8,710	3,20	PHS 50-1A49	

as can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required.
: sprockets, up to and including 25 tooth, are with hardened teeth as standard.
: small size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

ANSI 50-1 · 15,88 mm (5/8") pitch | ANSI 60-1 · 19,05 mm (3/4") pitch

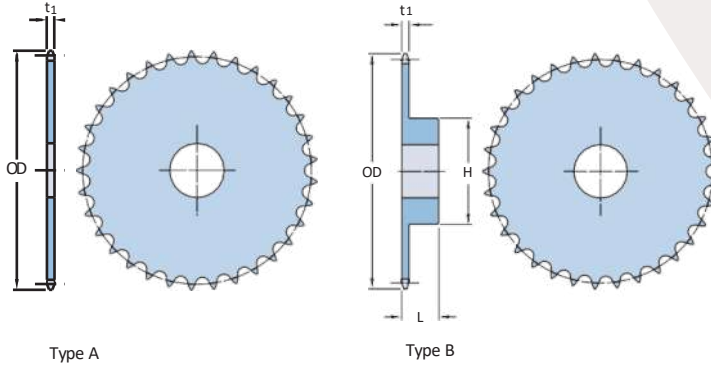
Pitch		Number of teeth	Outside diameter OD	Type	Dimensions Bore stock	Bore		Hub		Plate thickness t ₁	Mass kg	Designation	
mm	in.					Min.	Max.	H	L				
15,88	5/8	49	256,79	B	–	25,40	63,50	95,25	31,75	8,710	4,18	PHS 50-1B49	
			261,87	A	23,81	–	–	–	–	–	8,710	3,22	PHS 50-1A50
		261,87	B	–	25,40	63,50	95,25	31,75	8,710	4,48	PHS 50-1B50		
		51	266,95	A	23,81	–	–	–	–	–	8,710	3,32	PHS 50-1A51
			266,95	B	–	25,40	63,50	95,25	31,75	8,710	4,40	PHS 50-1B51	
		52	272,03	A	23,81	–	–	–	–	–	8,710	3,62	PHS 50-1A52
			272,03	B	–	25,40	63,50	95,25	31,75	8,710	4,64	PHS 50-1B52	
		53	277,11	A	23,81	–	–	–	–	–	8,710	3,67	PHS 50-1A53
			277,11	B	–	25,40	63,50	95,25	31,75	8,710	4,75	PHS 50-1B53	
		54	282,19	A	23,81	–	–	–	–	–	8,710	3,76	PHS 50-1A54
			282,19	B	–	25,40	63,50	95,25	31,75	8,710	4,99	PHS 50-1B54	
		55	287,27	A	23,81	–	–	–	–	–	8,710	3,88	PHS 50-1A55
			287,27	B	–	25,40	63,50	95,25	31,75	8,710	4,96	PHS 50-1B55	
		56	292,10	A	23,81	–	–	–	–	–	8,710	4,04	PHS 50-1A56
			292,10	B	–	25,40	63,50	95,25	31,75	8,710	5,22	PHS 50-1B56	
		57	297,18	A	23,81	–	–	–	–	–	8,710	4,25	PHS 50-1A57
			297,18	B	–	25,40	63,50	95,25	31,75	8,710	5,44	PHS 50-1B57	
		58	302,26	A	23,81	–	–	–	–	–	8,710	4,67	PHS 50-1A58
			302,26	B	–	25,40	63,50	95,25	31,75	8,710	5,36	PHS 50-1B58	
		59	307,34	A	23,81	–	–	–	–	–	8,710	4,76	PHS 50-1A59
			307,34	B	–	25,40	63,50	95,25	31,75	8,710	5,59	PHS 50-1B59	
		60	312,42	A	23,81	–	–	–	–	–	8,710	4,90	PHS 50-1A60
			312,42	B	–	25,40	63,50	95,25	31,75	8,710	5,90	PHS 50-1B60	
		70	362,97	A	23,81	–	–	–	–	–	8,710	6,35	PHS 50-1A70
			362,97	B	–	25,40	63,50	95,25	44,45	8,710	8,24	PHS 50-1B70	
		72	373,13	A	23,81	–	–	–	–	–	8,710	6,91	PHS 50-1A72
			373,13	B	–	25,40	63,50	95,25	44,45	8,710	8,84	PHS 50-1B72	
		76	393,45	A	23,81	–	–	–	–	–	8,710	9,11	PHS 50-1A76
			393,45	B	–	25,40	63,50	95,25	44,45	8,710	9,53	PHS 50-1B76	
		80	413,51	A	23,81	–	–	–	–	–	8,710	9,53	PHS 50-1A80
			413,51	B	–	25,40	69,85	107,95	44,45	8,710	11,22	PHS 50-1B80	
		84	433,83	A	23,81	–	–	–	–	–	8,710	10,02	PHS 50-1A84
			433,83	B	–	25,40	69,85	107,95	44,45	8,710	11,57	PHS 50-1B84	
		95	489,46	A	23,81	–	–	–	–	–	8,710	12,25	PHS 50-1A95
			489,46	B	–	25,40	69,85	107,95	44,45	8,710	14,51	PHS 50-1B95	
		96	494,54	A	23,81	–	–	–	–	–	8,710	12,43	PHS 50-1A96
494,54	B		–	25,40	69,85	107,95	44,45	8,710	14,93	PHS 50-1B96			
112	575,31	A	23,81	–	–	–	–	–	8,710	17,10	PHS 50-1A112		
	575,31	B	–	25,40	69,85	107,95	44,45	8,710	19,05	PHS 50-1B112			
19,05	3/4	8	57,40	B	–	15,88	15,88	37,31	31,75	11,660	0,24	PHS 60-1BH8	
			63,75	B	–	19,05	22,23	39,69	31,75	11,660	0,29	PHS 60-1BH9	
		10	70,10	A	19,05	–	–	–	–	–	11,660	0,20	PHS 60-1A10
			70,10	B	–	19,05	28,58	49,21	31,75	11,660	0,45	PHS 60-1BH10	
		11	76,20	A	19,05	–	–	–	–	–	11,660	0,24	PHS 60-1A11
			76,20	B	–	19,05	33,34	52,39	31,75	11,660	0,53	PHS 60-1BH11	
		12	82,55	A	19,05	–	–	–	–	–	11,660	0,31	PHS 60-1A12
			82,55	B	–	19,05	34,93	60,33	31,75	11,660	0,67	PHS 60-1BH12	
		13	88,65	A	19,05	–	–	–	–	–	11,660	0,36	PHS 60-1A13
			88,65	B	–	19,05	38,10	59,53	31,75	11,660	0,75	PHS 60-1BH13	
		14	95,00	A	19,05	–	–	–	–	–	11,660	0,43	PHS 60-1A14
			95,00	B	–	19,05	44,45	65,09	31,75	11,660	0,91	PHS 60-1BH14	
		15	101,09	A	19,05	–	–	–	–	–	11,660	0,49	PHS 60-1A15
			101,09	B	–	19,05	47,63	73,03	31,75	11,660	1,14	PHS 60-1BH15	
		16	107,19	A	19,05	–	–	–	–	–	11,660	0,56	PHS 60-1A16
			107,19	B	–	19,05	50,80	77,79	31,75	11,660	1,27	PHS 60-1BH16	
		17	113,28	A	19,05	–	–	–	–	–	11,660	0,65	PHS 60-1A17
			113,28	B	–	19,05	57,15	82,55	31,75	11,660	1,46	PHS 60-1BH17	
18	119,38	A	19,05	–	–	–	–	–	11,660	0,73	PHS 60-1A18		

bore can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or up to and including 25 tooth, are with hardened teeth as standard.

Additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore
ANSI60-1 · 19,05 mm (3/4") pitch



Pitch	Number of teeth	Outside diameter r OD	Type	Dimension s Bore stock	Bore		Hub		Plate thickness		Mass	Designation
					Min.	Max.	H	L	t ₁			
mm	in.	mm		mm						kg		
19,05	3/4	18			19,05	60,33	88,90	31,75	11,660	1,69	PHS 60-1BH18	
		19	A	19,05	-	-	-	-	11,660	0,83	PHS 60-1A19	
		B	-	19,05	60,33	88,90	31,75	11,660	1,78	PHS 60-1BH19		
		20	A	19,05	-	-	-	-	11,660	0,96	PHS 60-1A20	
			B	-	19,05	66,68	98,43	31,75	11,660	2,10	PHS 60-1BH20	
		21	A	19,05	-	-	-	-	11,660	1,03	PHS 60-1A21	
			B	-	19,05	69,85	101,60	31,75	11,660	2,27	PHS 60-1BH21	
		22	A	19,05	-	-	-	-	11,660	1,12	PHS 60-1A22	
			B	-	19,05	69,85	101,60	31,75	11,660	2,38	PHS 60-1BH22	
		23	A	19,05	-	-	-	-	11,660	1,22	PHS 60-1A23	
			B	-	19,05	69,85	101,60	31,75	11,660	2,49	PHS 60-1BH23	
		24	A	18,26	-	-	-	-	11,660	1,36	PHS 60-1A24	
			B	-	19,05	69,85	101,60	31,75	11,660	2,62	PHS 60-1BH24	
		25	A	18,26	-	-	-	-	11,660	1,51	PHS 60-1A25	
			B	-	19,05	69,85	101,60	31,75	11,660	2,78	PHS 60-1BH25	
		26	A	18,26	-	-	-	-	11,660	1,61	PHS 60-1A26	
			B	-	19,05	69,85	101,60	31,75	11,660	2,89	PHS 60-1B26	
		27	A	18,26	-	-	-	-	11,660	1,80	PHS 60-1A27	
			B	-	19,05	69,85	101,60	31,75	11,660	3,05	PHS 60-1B27	
		28	A	18,26	-	-	-	-	11,660	1,88	PHS 60-1A28	
			B	-	19,05	69,85	101,60	31,75	11,660	3,12	PHS 60-1B28	
		29	A	18,26	-	-	-	-	11,660	2,00	PHS 60-1A29	
			B	-	19,05	69,85	101,60	31,75	11,660	3,30	PHS 60-1B29	
		30	A	18,26	-	-	-	-	11,660	2,17	PHS 60-1A30	
			B	-	19,05	69,85	101,60	31,75	11,660	3,44	PHS 60-1B30	
		31	A	18,26	-	-	-	-	11,660	2,38	PHS 60-1A31	
			B	-	19,05	69,85	101,60	31,75	11,660	3,50	PHS 60-1B31	
		32	A	18,26	-	-	-	-	11,660	2,50	PHS 60-1A32	
			B	-	19,05	69,85	101,60	31,75	11,660	3,75	PHS 60-1B32	
		33	A	23,81	-	-	-	-	11,660	2,66	PHS 60-1A33	
			B	-	25,40	69,85	101,60	31,75	11,660	3,82	PHS 60-1B33	
		34	A	23,81	-	-	-	-	11,660	2,79	PHS 60-1A34	
			B	-	25,40	69,85	101,60	31,75	11,660	3,99	PHS 60-1B34	
		35	A	23,81	-	-	-	-	11,660	3,08	PHS 60-1A35	
			B	-	25,40	69,85	101,60	31,75	11,660	4,10	PHS 60-1B35	
		36	A	23,81	-	-	-	-	11,660	3,09	PHS 60-1A36	
			B	-	25,40	69,85	101,60	31,75	11,660	4,35	PHS 60-1B36	
		37	A	23,81	-	-	-	-	11,660	3,41	PHS 60-1A37	
			B	-	25,40	69,85	101,60	31,75	11,660	4,64	PHS 60-1B37	
	38	A	23,81	-	-	-	-	11,660	3,56	PHS 60-1A38		
		B	-	25,40	69,85	107,95	31,75	11,660	4,92	PHS 60-1B38		
	39	A	23,81	-	-	-	-	11,660	3,76	PHS 60-1A39		
		B	-	25,40	69,85	107,95	31,75	11,660	5,15	PHS 60-1B39		

an accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or 3rd including 25 tooth, are with hardened teeth as standard.
size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore
ANSI 60-1 · 19,05 mm (3/4") pitch

Pitch	Number of teeth	Outside diameter	Type	Dimensions Bore stock	Bore		Hub		Plate thickness	Mass	Designation
					Min.	Max.	H	L			
mm	in.	mm	mm	mm	mm	mm	mm	mm	mm	kg	mm
19,05	3/4	40	A	23,81	–	–	–	–	11,660	3,88	PHS 60-1A40
			B	–	25,40	69,85	107,95	31,75	11,660	5,22	PHS 60-1B40
	41	A	23,81	–	–	–	–	11,660	4,13	PHS 60-1A41	
		B	–	25,40	69,85	107,95	31,75	11,660	5,51	PHS 60-1B41	
	42	A	23,81	–	–	–	–	11,660	4,46	PHS 60-1A42	
		B	–	25,40	69,85	107,95	31,75	11,660	5,78	PHS 60-1B42	
	43	A	23,81	–	–	–	–	11,660	4,42	PHS 60-1A43	
		B	–	25,40	69,85	107,95	31,75	11,660	5,90	PHS 60-1B43	
	44	A	23,81	–	–	–	–	11,660	4,88	PHS 60-1A44	
		B	–	23,81	69,85	107,95	31,75	11,660	6,30	PHS 60-1B44	
	45	A	23,81	–	–	–	–	11,660	5,03	PHS 60-1A45	
		B	–	23,81	69,85	107,95	31,75	11,660	6,34	PHS 60-1B45	
	46	A	23,81	–	–	–	–	11,660	5,22	PHS 60-1A46	
		B	–	23,81	69,85	107,95	31,75	11,660	6,62	PHS 60-1B46	
	47	A	23,81	–	–	–	–	11,660	5,59	PHS 60-1A47	
		B	–	23,81	69,85	107,95	31,75	11,660	6,80	PHS 60-1B47	
	48	A	23,81	–	–	–	–	11,660	5,63	PHS 60-1A48	
		B	–	23,81	69,85	107,95	31,75	11,660	7,18	PHS 60-1B48	
	49	A	23,81	–	–	–	–	11,660	5,86	PHS 60-1A49	
		B	–	23,81	69,85	107,95	31,75	11,660	7,21	PHS 60-1B49	
	50	A	23,81	–	–	–	–	11,660	6,34	PHS 60-1A50	
		B	–	23,81	69,85	107,95	31,75	11,660	8,01	PHS 60-1B50	
	51	A	23,81	–	–	–	–	11,660	6,61	PHS 60-1A51	
		B	–	23,81	69,85	107,95	31,75	11,660	7,70	PHS 60-1B51	
	52	A	23,81	–	–	–	–	11,660	6,62	PHS 60-1A52	
		B	–	23,81	69,85	107,95	31,75	11,660	8,13	PHS 60-1B52	
	53	A	23,81	–	–	–	–	11,660	7,18	PHS 60-1A53	
		B	–	23,81	69,85	107,95	31,75	11,660	8,16	PHS 60-1B53	
	54	A	23,81	–	–	–	–	11,660	7,22	PHS 60-1A54	
		B	–	23,81	69,85	107,95	44,45	11,660	9,80	PHS 60-1B54	
	55	A	31,75	–	–	–	–	11,660	7,69	PHS 60-1A55	
		B	–	31,75	69,85	107,95	44,45	11,660	9,59	PHS 60-1B55	
	56	A	31,75	–	–	–	–	11,660	7,98	PHS 60-1A56	
		B	–	31,75	69,85	107,95	44,45	11,660	9,92	PHS 60-1B56	
	57	A	31,75	–	–	–	–	11,660	7,99	PHS 60-1A57	
		B	–	31,75	69,85	107,95	44,45	11,660	10,10	PHS 60-1B57	
	58	A	31,75	–	–	–	–	11,660	8,62	PHS 60-1A58	
		B	–	31,75	69,85	107,95	44,45	11,660	10,34	PHS 60-1B58	
	59	A	31,75	–	–	–	–	11,660	8,71	PHS 60-1A59	
		B	–	31,75	69,85	107,95	44,45	11,660	10,82	PHS 60-1B59	
60	A	31,75	–	–	–	–	11,660	9,08	PHS 60-1A60		
	B	–	31,75	69,85	107,95	44,45	11,660	11,44	PHS 60-1B60		
64	A	31,75	–	–	–	–	11,660	10,43	PHS 60-1A64		
	B	–	31,75	69,85	107,95	44,45	11,660	12,43	PHS 60-1B64		
65	A	31,75	–	–	–	–	11,660	10,54	PHS 60-1A65		
	B	–	31,75	69,85	107,95	44,45	11,660	13,12	PHS 60-1B65		
66	A	31,75	–	–	–	–	11,660	11,08	PHS 60-1A66		
68	A	31,75	–	–	–	–	11,660	11,58	PHS 60-1A68		
	B	–	31,75	69,85	107,95	44,45	11,660	13,78	PHS 60-1B68		
70	A	31,75	–	–	–	–	11,660	12,34	PHS 60-1A70		
	B	–	31,75	69,85	107,95	44,45	11,660	14,51	PHS 60-1B70		
72	A	31,75	–	–	–	–	11,660	13,11	PHS 60-1A72		
	B	–	31,75	69,85	107,95	50,80	11,660	15,50	PHS 60-1B72		
76	A	31,75	–	–	–	–	11,660	14,67	PHS 60-1A76		
	B	–	31,75	69,85	107,95	50,80	11,660	17,26	PHS 60-1B76		
80	A	31,75	–	–	–	–	11,660	20,64	PHS 60-1A80		
	B	–	31,75	69,85	107,95	50,80	11,660	19,00	PHS 60-1B80		
84	A	31,75	–	–	–	–	11,660	18,23	PHS 60-1A84		
	B	–	31,75	82,55	120,65	50,80	11,660	21,07	PHS 60-1B84		

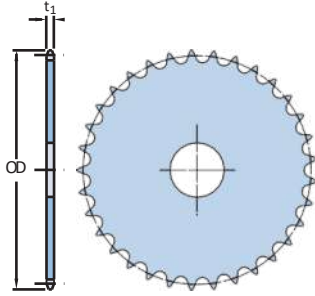
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CNIP SPROCKET

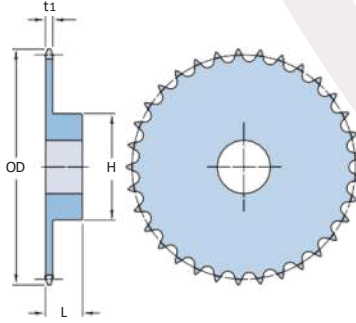
ANSI sprockets, simplex, pilot bore

ANSI 60-1 · 19,05 mm (3/4") pitch

| ANSI 80-1 · 25,40 mm (1") pitch



Type A



Type B

Pitch	Number of teeth	Outside diameter r OD	Type	Dimension s		Bore		Hub		Plate thickness	Mass	Designation
				Min.	Max.	H	L	t ₁				
mm	in.	mm		mm		mm		mm	mm	mm	kg	
19,05	3/4	90	A	31,75	-	-	-	-	-	11,660	19,70	PHS 60-1A90
			B	-	31,75	84,14	127,00	57,15	11,660	28,67	PHS 60-1B90	
	96	A	31,75	-	-	-	-	-	11,660	23,60	PHS 60-1A96	
		B	-	31,75	95,25	139,70	57,15	11,660	28,61	PHS 60-1B96		
	112	A	31,75	-	-	-	-	-	11,660	32,11	PHS 60-1A112	
		B	-	31,75	95,25	139,70	57,15	11,660	37,09	PHS 60-1B112		
25,40	1	8	B	-	25,40	25,40	49,21	41,28	14,600	0,64	PHS 80-1BH8	
			A	23,81	-	-	-	-	14,600	0,36	PHS 80-1A9	
		9	B	-	25,40	33,34	57,15	41,28	14,600	0,73	PHS 80-1BH9	
			A	23,81	-	-	-	-	14,600	0,45	PHS 80-1A10	
		10	B	-	25,40	38,10	65,09	41,28	14,600	1,00	PHS 80-1BH10	
			A	23,81	-	-	-	-	14,600	0,59	PHS 80-1A11	
		11	B	-	25,40	41,28	71,44	41,28	14,600	1,45	PHS 80-1BH11	
			A	23,81	-	-	-	-	14,600	0,68	PHS 80-1A12	
		12	B	-	25,40	47,63	79,38	41,28	14,600	1,54	PHS 80-1BH12	
			A	23,81	-	-	-	-	14,600	0,82	PHS 80-1A13	
		13	B	-	25,40	50,80	76,20	38,10	14,600	1,59	PHS 80-1BH13	
			A	23,81	-	-	-	-	14,600	1,00	PHS 80-1A14	
		14	B	-	25,40	57,15	82,55	38,10	14,600	1,86	PHS 80-1BH14	
			A	23,81	-	-	-	-	14,600	1,13	PHS 80-1A15	
		15	B	-	25,40	63,50	96,84	38,10	14,600	2,40	PHS 80-1BH15	
			A	23,81	-	-	-	-	14,600	1,32	PHS 80-1A16	
		16	B	-	25,40	69,85	101,60	38,10	14,600	2,68	PHS 80-1BH16	
			A	23,81	-	-	-	-	14,600	1,50	PHS 80-1A17	
		17	B	-	25,40	69,85	101,60	38,10	14,600	2,99	PHS 80-1BH17	
			A	23,81	-	-	-	-	14,600	1,68	PHS 80-1A18	
		18	B	-	25,40	69,85	107,95	38,10	14,600	3,31	PHS 80-1BH18	
			A	23,81	-	-	-	-	14,600	1,86	PHS 80-1A19	
		19	B	-	25,40	69,85	107,95	38,10	14,600	3,54	PHS 80-1BH19	
			A	23,81	-	-	-	-	14,600	2,13	PHS 80-1A20	
		20	B	-	25,40	69,85	107,95	38,10	14,600	3,81	PHS 80-1BH20	
			A	23,81	-	-	-	-	14,600	2,22	PHS 80-1A21	
21	B	-	25,40	69,85	107,95	44,45	14,600	4,26	PHS 80-1BH21			
	A	23,81	-	-	-	-	14,600	2,49	PHS 80-1A22			
22	B	-	25,40	69,85	107,95	44,45	14,600	4,54	PHS 80-1BH22			
	A	23,81	-	-	-	-	14,600	2,86	PHS 80-1A23			
23	B	-	25,40	69,85	107,95	44,45	14,600	4,85	PHS 80-1BH23			
	A	23,81	-	-	-	-	14,600	3,04	PHS 80-1A24			
24	B	-	25,40	69,85	107,95	44,45	14,600	5,13	PHS 80-1BH24			
	A	23,81	-	-	-	-	14,600	3,27	PHS 80-1A25			
25	B	-	25,40	69,85	107,95	44,45	14,600	5,40	PHS 80-1BH25			
	A	23,81	-	-	-	-	14,600	3,54	PHS 80-1A26			
26	B	-	31,75	82,55	120,65	50,80	14,600	6,49	PHS 80-1B26			
	A	30,16	-	-	-	-	14,600	3,54	PHS 80-1A26			

35 can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or to and including 25 tooth, are with hardened teeth as standard.
nal size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore
ANSI80-1 · 25,40 mm (1") pitch

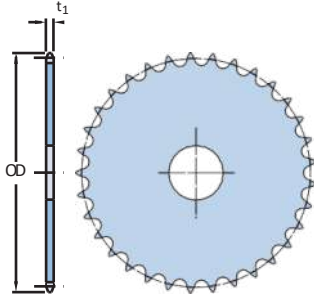
Pitch	Number of teeth	Outside diameter OD	Type	Dimensions Bore stock	Bore		Hub		Plate thickness t ₁	Mass	Designation
					Min.	Max.	H	L			
mm	in.	mm		mm					kg		
25,40	27	232,66	A	30,16	–	–	–	–	14,600	3,90	PHS 80-1A27
		232,66	B	–	31,75	82,55	120,65	50,80	14,600	6,99	PHS 80-1B27
	28	240,79	A	30,16	–	–	–	–	14,600	4,22	PHS 80-1A28
		240,79	B	–	31,75	82,55	120,65	50,80	14,600	7,26	PHS 80-1B28
	29	248,92	A	30,16	–	–	–	–	14,600	4,45	PHS 80-1A29
		248,92	B	–	30,16	82,55	120,65	50,80	14,600	7,76	PHS 80-1B29
	30	256,79	A	30,16	–	–	–	–	14,600	4,85	PHS 80-1A30
		256,79	B	–	30,16	82,55	120,65	50,80	14,600	7,89	PHS 80-1B30
	31	264,92	A	30,16	–	–	–	–	14,600	5,13	PHS 80-1A31
		264,92	B	–	30,16	82,55	120,65	50,80	14,600	8,48	PHS 80-1B31
	32	273,05	A	30,16	–	–	–	–	14,600	5,49	PHS 80-1A32
		273,05	B	–	30,16	82,55	120,65	50,80	14,600	8,85	PHS 80-1B32
	33	281,18	A	30,16	–	–	–	–	14,600	6,17	PHS 80-1A33
		281,18	B	–	30,16	82,55	120,65	50,80	14,600	8,89	PHS 80-1B33
	34	289,31	A	30,16	–	–	–	–	14,600	6,49	PHS 80-1A34
		289,31	B	–	30,16	82,55	120,65	50,80	14,600	9,66	PHS 80-1B34
	35	297,43	A	30,16	–	–	–	–	14,600	6,71	PHS 80-1A35
		297,43	B	–	30,16	82,55	120,65	50,80	14,600	10,02	PHS 80-1B35
	36	305,56	A	30,16	–	–	–	–	14,600	7,30	PHS 80-1A36
		305,56	B	–	30,16	82,55	120,65	50,80	14,600	10,48	PHS 80-1B36
	37	313,69	A	30,16	–	–	–	–	14,600	7,62	PHS 80-1A37
		313,69	B	–	30,16	82,55	120,65	50,80	14,600	10,80	PHS 80-1B37
	38	321,82	A	30,16	–	–	–	–	14,600	7,80	PHS 80-1A38
		321,82	B	–	30,16	82,55	120,65	50,80	14,600	11,20	PHS 80-1B38
	39	329,95	A	30,16	–	–	–	–	14,600	8,12	PHS 80-1A39
		329,95	B	–	30,16	82,55	120,65	50,80	14,600	11,61	PHS 80-1B39
	40	338,07	A	30,16	–	–	–	–	14,600	8,57	PHS 80-1A40
		338,07	B	–	30,16	82,55	120,65	50,80	14,600	12,11	PHS 80-1B40
	41	346,20	A	31,75	–	–	–	–	14,600	9,53	PHS 80-1A41
		346,20	B	–	31,75	82,55	120,65	50,80	14,600	12,61	PHS 80-1B41
	42	354,08	A	31,75	–	–	–	–	14,600	9,89	PHS 80-1A42
		354,08	B	–	31,75	82,55	120,65	50,80	14,600	13,02	PHS 80-1B42
	43	362,20	A	31,75	–	–	–	–	14,600	10,70	PHS 80-1A43
		362,20	B	–	31,75	82,55	120,65	50,80	14,600	13,34	PHS 80-1B43
	44	370,33	A	31,75	–	–	–	–	14,600	11,02	PHS 80-1A44
		370,33	B	–	31,75	82,55	120,65	50,80	14,600	13,56	PHS 80-1B44
	45	378,46	A	31,75	–	–	–	–	14,600	11,43	PHS 80-1A45
		378,46	B	–	31,75	82,55	120,65	50,80	14,600	14,24	PHS 80-1B45
	46	386,59	A	31,75	–	–	–	–	14,600	12,07	PHS 80-1A46
		386,59	B	–	31,75	82,55	120,65	50,80	14,600	15,01	PHS 80-1B46
	47	394,72	A	31,75	–	–	–	–	14,600	11,97	PHS 80-1A47
		394,72	B	–	31,75	82,55	120,65	50,80	14,600	15,42	PHS 80-1B47
	48	402,84	A	31,75	–	–	–	–	14,600	12,61	PHS 80-1A48
		402,84	B	–	31,75	82,55	120,65	50,80	14,600	16,10	PHS 80-1B48
	49	410,97	A	31,75	–	–	–	–	14,600	13,11	PHS 80-1A49
		410,97	B	–	31,75	82,55	120,65	50,80	14,600	16,24	PHS 80-1B49
	50	419,10	A	31,75	–	–	–	–	14,600	14,02	PHS 80-1A50
		419,10	B	–	31,75	82,55	120,65	50,80	14,600	16,92	PHS 80-1B50
	51	426,97	A	31,75	–	–	–	–	14,600	14,61	PHS 80-1A51
		426,97	B	–	31,75	82,55	120,65	50,80	14,600	17,51	PHS 80-1B51
	52	435,10	A	31,75	–	–	–	–	14,600	14,97	PHS 80-1A52
		435,10	B	–	31,75	82,55	120,65	50,80	14,600	17,87	PHS 80-1B52
	53	443,23	A	31,75	–	–	–	–	14,600	15,83	PHS 80-1A53
		443,23	B	–	31,75	82,55	120,65	50,80	14,600	18,73	PHS 80-1B53
	54	451,36	A	31,75	–	–	–	–	14,600	16,60	PHS 80-1A54
		451,36	B	–	31,75	88,90	133,35	50,80	14,600	20,28	PHS 80-1B54
55	459,49	A	31,75	–	–	–	–	14,600	17,01	PHS 80-1A55	
	459,49	B	–	31,75	88,90	133,35	50,80	14,600	20,68	PHS 80-1B55	
56	467,61	A	31,75	–	–	–	–	14,600	17,87	PHS 80-1A56	

bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or s, up to and including 25 tooth, are with hardened teeth as standard.
Additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

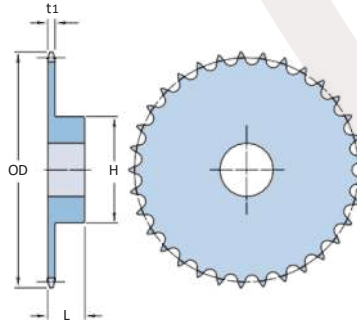
CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

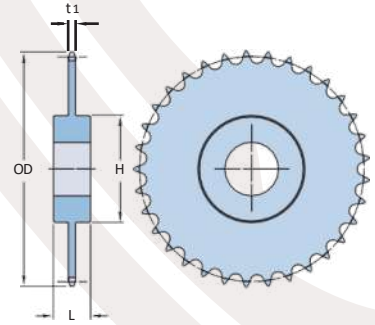
ANSI 80-1 · 25,40 mm (1") pitch | ANSI 100-1 · 31,75 mm (1¼") pitch



Type A



Type B



Type C

Pitch	Number of teeth	Outside diameter r OD	Type	Dimension s Bore stock	Bore		Hub		Plate thickness t	Mass kg	Designation	
					Min.	Max.	H	L				
mm	in.	mm	–	mm							–	
25,40	1	56	467,61	B	–	31,75	88,90	133,35	50,80	14,600	21,55	PHS 80-1B56
	B	–	31,75	88,90	133,35	50,80	14,600	22,00	PHS 80-1B57			
										58	483,62	A
	B	–	31,75	88,90	133,35	50,80	14,600	22,91	PHS 80-1B58			
										59	491,74	A
	B	–	31,75	88,90	133,35	50,80	14,600	23,63	PHS 80-1B59			
										60	499,87	A
	B	–	31,75	88,90	133,35	50,80	14,600	24,72	PHS 80-1B60			
										65	540,26	A
	B	–	31,75	88,90	133,35	50,80	14,600	28,03	PHS 80-1B65			
										70	580,90	A
	C	–	38,10	107,95	158,75	88,90	14,600	34,34	PHS 80-1C70			
										72	596,90	A
	C	–	38,10	107,95	158,75	88,90	14,600	36,92	PHS 80-1C72			
										76	629,41	A
	C	–	38,10	107,95	158,75	88,90	14,600	39,83	PHS 80-1C76			
										80	661,67	A
	C	–	38,10	107,95	158,75	88,90	14,600	40,78	PHS 80-1C80			
										84	694,18	A
	C	–	38,10	107,95	158,75	88,90	14,600	45,00	PHS 80-1C84			
										90	742,70	A
	C	–	38,10	107,95	158,75	88,90	14,600	48,08	PHS 80-1C90			
										96	791,21	A
C	–	38,10	107,95	158,75	88,90	14,600	53,07	PHS 80-1C96				
									112	920,50	A	38,10
C	–	38,10	107,95	158,75	88,90	14,600	69,85	PHS 80-1C112				
									31,75	1¼	7	85,09
8	95,76	A	25,40	–	–	–	–	17,580				
											B	–
9	106,17	A	25,40	–	–	–	–	17,580				
											B	–
10	116,84	A	25,40	–	–	–	–	17,580				
											B	–
11	127,25	A	31,75	–	–	–	–	17,580				
											B	–
12	137,67	A	31,75	–	–	–	–	17,580				
											B	–
13	147,83	A	31,75	–	–	–	–	17,580				
											B	–
14	158,24	A	31,75	–	–	–	–	17,580				
									B	–	31,75	69,85

1 bores can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B and s, up to and including 25 tooth, are with hardened teeth as standard.
 Additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

ANSI sprockets, simplex, pilot bore

ANSI 100-1 · 31,75 mm (1¹/₄" pitch)

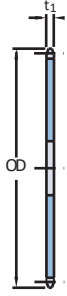
Pitch		Number of teeth	Outside diameter OD	Type	Dimensions Bore stock	Bore		Hub		Plate thickness t _i	Mass	Designation	
mm	in.					Min.	Max.	H	L				
31,75	1 1/4	15	168,40	A	31,75	–	–	–	–	17,580	2,13	PHS 100-1A15	
			168,40	B	–	31,75	76,20	114,30	44,45	17,580	4,17	PHS 100-1BH15	
		16	178,56	A	31,75	–	–	–	–	–	17,580	2,45	PHS 100-1A16
			178,56	B	–	33,34	76,20	114,30	44,45	17,580	4,49	PHS 100-1BH16	
		17	188,98	A	31,75	–	–	–	–	–	17,580	2,77	PHS 100-1A17
			188,98	B	–	33,34	76,20	114,30	44,45	17,580	4,90	PHS 100-1BH17	
		18	199,14	A	31,75	–	–	–	–	–	17,580	3,18	PHS 100-1A18
			199,14	B	–	33,34	76,20	114,30	44,45	17,580	5,22	PHS 100-1BH18	
		19	209,30	A	31,75	–	–	–	–	–	17,580	3,54	PHS 100-1A19
			209,30	B	–	33,34	76,20	114,30	50,80	17,580	5,94	PHS 100-1BH19	
		20	219,46	A	31,75	–	–	–	–	–	17,580	3,99	PHS 100-1A20
			219,46	B	–	33,34	76,20	114,30	50,80	17,580	6,44	PHS 100-1BH20	
		21	229,62	A	31,75	–	–	–	–	–	17,580	4,45	PHS 100-1A21
			229,62	B	–	33,34	76,20	114,30	50,80	17,580	6,94	PHS 100-1BH21	
		22	239,78	A	31,75	–	–	–	–	–	17,580	4,76	PHS 100-1A22
			239,78	B	–	33,34	76,20	114,30	50,80	17,580	7,30	PHS 100-1BH22	
		23	249,94	A	31,75	–	–	–	–	–	17,580	5,35	PHS 100-1A23
			249,94	B	–	31,75	76,20	114,30	50,80	17,580	7,80	PHS 100-1BH23	
		24	260,35	A	31,75	–	–	–	–	–	17,580	5,81	PHS 100-1A24
			260,35	B	–	31,75	76,20	114,30	50,80	17,580	8,71	PHS 100-1BH24	
		25	270,51	A	31,75	–	–	–	–	–	17,580	6,30	PHS 100-1A25
			270,51	B	–	31,75	76,20	114,30	50,80	17,580	8,85	PHS 100-1BH25	
		26	280,67	A	31,75	–	–	–	–	–	17,580	6,80	PHS 100-1A26
			280,67	B	–	31,75	84,14	127,00	50,80	17,580	9,84	PHS 100-1BH26	
		27	290,58	A	31,75	–	–	–	–	–	17,580	7,26	PHS 100-1A27
			290,58	B	–	31,75	84,14	127,00	50,80	17,580	10,43	PHS 100-1BH27	
		28	300,74	A	31,75	–	–	–	–	–	17,580	7,89	PHS 100-1A28
			300,74	B	–	31,75	84,14	127,00	50,80	17,580	11,07	PHS 100-1BH28	
		29	310,90	A	31,75	–	–	–	–	–	17,580	8,89	PHS 100-1A29
			310,90	B	–	31,75	84,14	127,00	50,80	17,580	11,34	PHS 100-1BH29	
		30	321,06	A	31,75	–	–	–	–	–	17,580	9,12	PHS 100-1A30
			321,06	B	–	31,75	84,14	127,00	50,80	17,580	12,20	PHS 100-1BH30	
		31	331,22	A	31,75	–	–	–	–	–	17,580	9,75	PHS 100-1A31
		32	341,38	A	31,75	–	–	–	–	–	17,580	10,25	PHS 100-1A32
			341,38	B	–	31,75	84,14	127,00	50,80	17,580	13,52	PHS 100-1BH32	
		33	351,54	A	31,75	–	–	–	–	–	17,580	10,93	PHS 100-1A33
		34	361,70	A	31,75	–	–	–	–	–	17,580	11,79	PHS 100-1A34
		35	371,86	A	31,75	–	–	–	–	–	17,580	12,34	PHS 100-1A35
			371,86	B	–	31,75	84,14	127,00	63,50	17,580	16,74	PHS 100-1BH35	
		36	382,02	A	31,75	–	–	–	–	–	17,580	13,61	PHS 100-1A36
			382,02	B	–	31,75	84,14	127,00	63,50	17,580	17,51	PHS 100-1BH36	
		37	392,18	A	31,75	–	–	–	–	–	17,580	14,06	PHS 100-1A37
		38	402,34	A	31,75	–	–	–	–	–	17,580	14,97	PHS 100-1A38
			402,34	B	–	31,75	84,14	127,00	63,50	17,580	18,82	PHS 100-1BH38	
		39	412,24	A	31,75	–	–	–	–	–	17,580	15,88	PHS 100-1A39
			412,24	B	–	31,75	84,14	127,00	63,50	17,580	19,78	PHS 100-1BH39	
40	422,40	A	31,75	–	–	–	–	–	17,580	16,33	PHS 100-1A40		
	422,40	B	–	31,75	84,14	127,00	63,50	17,580	21,27	PHS 100-1BH40			
41	432,56	A	31,75	–	–	–	–	–	17,580	17,69	PHS 100-1A41		
42	442,72	A	31,75	–	–	–	–	–	17,580	18,14	PHS 100-1A42		
	442,72	B	–	31,75	84,14	127,00	63,50	17,580	22,86	PHS 100-1BH42			
43	452,88	A	38,10	–	–	–	–	–	17,580	19,50	PHS 100-1A43		
44	463,04	A	38,10	–	–	–	–	–	17,580	20,41	PHS 100-1A44		
45	473,20	A	38,10	–	–	–	–	–	17,580	21,32	PHS 100-1A45		
	473,20	B	–	38,10	84,14	127,00	63,50	17,580	24,49	PHS 100-1BH45			
46	483,11	A	38,10	–	–	–	–	–	17,580	21,77	PHS 100-1A46		

bore can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B sprockets, up to and including 25 tooth, are with hardened teeth as standard. Additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

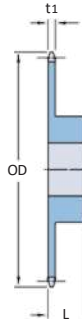
CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

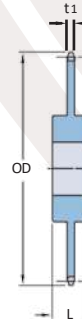
ANSI 100-1 · 31,75 mm (1¹/₄") pitch | ANSI 120-1 · 38,10 mm (1¹/₂") pitch



Type A



Type B



Type C

Pitch		Number of teeth	Outside diameter r OD	Type	Dimensions		Hub		Plate thickness t ₁	Mass kg	Designation	
mm	in.				Bore stock	Bore Min.	Bore Max.	H				L
31,75	1 1/4	47	493,27	A	38,10	-	-	-	17,580	23,59	PHS 100-1A47	
				B	-	38,10	101,60	152,40	63,50	17,580	24,49	PHS 100-1A48 PHS 100-1B48
		48	503,43	A	38,10	-	-	-	-	17,580	25,40	PHS 100-1A49
				B	-	38,10	101,60	152,40	63,50	17,580	25,85	PHS 100-1A50
		49	513,59	A	38,10	-	-	-	-	17,580	28,58	PHS 100-1A51
				B	-	38,10	101,60	152,40	63,50	17,580	29,03	PHS 100-1A52
		50	523,75	A	38,10	-	-	-	-	17,580	29,12	PHS 100-1A53
				B	-	38,10	101,60	152,40	63,50	17,580	30,84	PHS 100-1A54 PHS 100-1C54
		51	533,91	A	38,10	-	-	-	-	17,580	31,75	PHS 100-1A55
				B	-	38,10	101,60	152,40	63,50	17,580	32,66	PHS 100-1A56
		52	544,07	A	38,10	-	-	-	-	17,580	34,38	PHS 100-1A57
				B	-	38,10	101,60	152,40	63,50	17,580	34,47	PHS 100-1A58
		53	553,97	A	38,10	-	-	-	-	17,580	34,93	PHS 100-1A59
				B	-	38,10	101,60	152,40	63,50	17,580	36,29	PHS 100-1A60 PHS 100-1C60
		54	564,13	A	38,10	-	-	-	-	17,580	51,26	PHS 100-1A70
				B	-	38,10	101,60	152,40	63,50	17,580	56,70	PHS 100-1C70
		55	574,29	A	38,10	-	-	-	-	17,580	53,98	PHS 100-1A72
				B	-	38,10	101,60	152,40	63,50	17,580	60,78	PHS 100-1C72
		56	584,45	A	38,10	-	-	-	-	17,580	60,33	PHS 100-1A76
				B	-	38,10	101,60	152,40	63,50	17,580	64,86	PHS 100-1C76
		57	594,61	A	38,10	-	-	-	-	17,580	66,22	PHS 100-1A80
				B	-	38,10	101,60	152,40	63,50	17,580	68,49	PHS 100-1C80
		58	604,77	A	38,10	-	-	-	-	17,580	73,48	PHS 100-1A84
				B	-	38,10	101,60	152,40	63,50	17,580	77,11	PHS 100-1C84
59	614,68	A	38,10	-	-	-	-	17,580	87,54	PHS 100-1A90		
		B	-	38,10	101,60	152,40	63,50	17,580	83,46	PHS 100-1C90		
60	624,84	A	38,10	-	-	-	-	17,580	97,52	PHS 100-1A96		
		B	-	38,10	101,60	152,40	63,50	17,580	92,08	PHS 100-1C96		
38,10	1 1/2	8	114,81	A	31,75	-	-	-	23,470	1,09	PHS 120-1A8	
				B	-	31,75	46,04	85,73	57,15	23,470	1,36	PHS 120-1A9 PHS 120-1BH9
		9	127,51	A	31,75	-	-	-	-	23,470	1,72	PHS 120-1A10
				B	-	31,75	46,04	85,73	57,15	23,470	3,22	PHS 120-1A11 PHS 120-1BH10
		10	140,21	A	31,75	-	-	-	-	23,470	2,18	PHS 120-1A11
				B	-	31,75	46,04	85,73	57,15	23,470	3,45	PHS 120-1A12 PHS 120-1BH11
		11	152,65	A	31,75	-	-	-	-	23,470	2,63	PHS 120-1A12
				B	-	31,75	46,04	85,73	57,15	23,470		
		12	165,10	A	31,75	-	-	-	-	23,470		
				B	-	31,75	46,04	85,73	57,15	23,470		

1 accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or d including 25 tooth, are with hardened teeth as standard.
ze sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore
ANSI 120-1 · 38,10 mm (1½") pitch

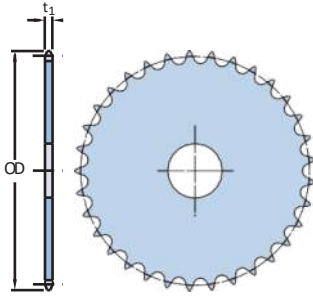
Pitch		Number of teeth	Outside diameter OD	Type	Dimensions Bore stock	Bore		Hub		Plate thickness t ₁	Mass kg	Designation
mm	in.					Min.	Max.	H	L			
38,10	1 1/2	12	165,10	B	–	34,93	69,85	104,78	53,98	23,470	4,49	PHS 120-1BH12
		13	177,55 177,55	A B	31,75 –	– 34,93	– 76,20	– 115,89	– 57,15	23,470 23,470	3,04 5,62	PHS 120-1A13 PHS 120-1BH13
		14	189,74 189,74	A B	31,75 –	– 34,93	– 82,55	– 120,65	– 57,15	23,470 23,470	3,63 6,53	PHS 120-1A14 PHS 120-1BH14
		15	202,18 202,18	A B	31,75 –	– 31,75	– 82,55	– 120,65	– 60,33	23,470 23,470	4,13 7,57	PHS 120-1A15 PHS 120-1BH15
		16	214,38 214,38	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	4,81 9,03	PHS 120-1A16 PHS 120-1BH16
		17	226,57 226,57	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	5,72 9,43	PHS 120-1A17 PHS 120-1BH17
		18	239,01 239,01	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	6,17 10,07	PHS 120-1A18 PHS 120-1BH18
		19	251,21 251,21	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	6,85 11,25	PHS 120-1A19 PHS 120-1BH19
		20	263,40 263,40	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	7,67 11,70	PHS 120-1A20 PHS 120-1BH20
		21	275,59 275,59	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	8,48 12,11	PHS 120-1A21 PHS 120-1BH21
		22	287,78 287,78	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	9,07 12,79	PHS 120-1A22 PHS 120-1BH22
		23	299,97 299,97	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	10,02 13,74	PHS 120-1A23 PHS 120-1BH23
		24	312,17 312,17	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	11,25 14,56	PHS 120-1A24 PHS 120-1BH24
		25	324,36 324,36	A B	31,75 –	– 31,75	– 88,90	– 133,35	– 60,33	23,470 23,470	12,16 15,69	PHS 120-1A25 PHS 120-1BH25
		26	336,55 336,55	A B	38,10 –	– 38,10	– 101,60	– 152,40	– 63,50	23,470 23,470	12,84 18,14	PHS 120-1A26 PHS 120-1B26
		27	348,74	A	38,10	–	–	–	–	23,470	14,02	PHS 120-1A27
		28	360,93 360,93	A B	38,10 –	– 38,10	– 101,60	– 152,40	– 63,50	23,470 23,470	15,24 20,37	PHS 120-1A28 PHS 120-1B28
		30	385,32 385,32	A B	38,10 –	– 38,10	– 101,60	– 152,40	– 63,50	23,470 23,470	17,69 22,77	PHS 120-1A30 PHS 120-1B30
		32	409,70 409,70	A B	38,10 –	– 38,10	– 101,60	– 152,40	– 63,50	23,470 23,470	19,91 25,40	PHS 120-1A32 PHS 120-1B32
		33	421,89	A	38,10	–	–	–	–	23,470	21,86	PHS 120-1A33
		34	434,09	A	38,10	–	–	–	–	23,470	22,68	PHS 120-1A34
		35	446,28 446,28	A B	38,10 –	– 38,10	– 101,60	– 152,40	– 63,50	23,470 23,470	23,59 28,30	PHS 120-1A35 PHS 120-1B35
		36	458,47 458,47	A B	38,10 –	– 38,10	– 101,60	– 152,40	– 63,50	23,470 23,470	25,40 30,12	PHS 120-1A36 PHS 120-1B36
		40	506,98 506,98	A C	38,10 –	– 38,10	– 101,60	– 152,40	– 95,25	23,470 23,470	32,21 41,73	PHS 120-1A40 PHS 120-1C40
		42	531,37 531,37	A C	38,10 –	– 38,10	– 101,60	– 152,40	– 95,25	23,470 23,470	34,02 44,45	PHS 120-1A42 PHS 120-1C42
		45	567,69 567,69	A C	38,10 –	– 38,10	– 101,60	– 152,40	– 95,25	23,470 23,470	39,92 45,00	PHS 120-1A45 PHS 120-1C45
		48	604,27 604,27	A C	38,10 –	– 38,10	– 101,60	– 152,40	– 101,60	23,470 23,470	46,72 51,26	PHS 120-1A48 PHS 120-1C48
		54	676,91 676,91	A C	38,10 –	– 38,10	– 101,60	– 152,40	– 101,60	23,470 23,470	63,50 60,33	PHS 120-1A54 PHS 120-1C54
		60	749,81 749,81	A C	38,10 –	– 38,10	– 133,35	– 177,80	– 101,60	23,470 23,470	72,57 72,57	PHS 120-1A60 PHS 120-1C60
		70	871,22 871,22	A C	38,10 –	– 38,10	– 136,53	– 190,50	– 114,30	23,470 23,470	97,98 93,44	PHS 120-1A70 PHS 120-1C70
		80	992,63 992,63	A C	38,10 –	– 38,10	– 136,53	– 190,50	– 114,30	23,470 23,470	128,82 115,21	PHS 120-1A80 PHS 120-1C80

1 accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or id including 25 tooth, are with hardened teeth as standard.
ze sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

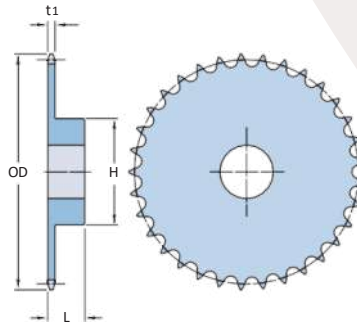
CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

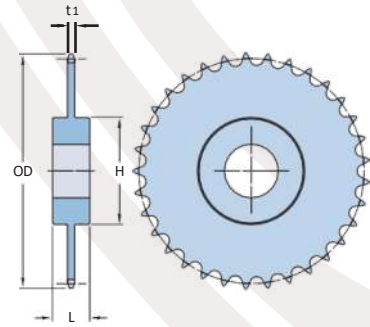
ANSI 120-1 · 38,10 mm (1½") pitch | ANSI 140-1 · 44,45 mm (1¾") pitch



Type A



Type B



Type C

Pitch	Number of teeth	Outside diameter r	Type	Dimension s	Bore		Hub		Plate thickness t ₁	Mass	Designation
					Bore stock	Min.	Max.	H			
mm	in.	mm		mm					kg		
38,10	1 1/2	90	1113,79	A	38,10	-	-	-	23,470	162,39	PHS 120-1A90
44,45	1 3/4	11	178,05	A	38,10	-	-	-	23,470	2,27	PHS 140-1A11
			178,05	B	-	38,10	69,85	107,95	57,15	23,470	5,13
	12	192,53	A	38,10	-	-	-	-	23,470	3,54	PHS 140-1A12
		192,53	B	-	38,10	76,20	114,30	57,15	23,470	5,99	PHS 140-1BH12
	13	207,01	A	38,10	-	-	-	-	23,470	3,72	PHS 140-1A13
		207,01	B	-	38,10	95,25	139,70	60,33	23,470	8,57	PHS 140-1BH13
	14	221,49	A	38,10	-	-	-	-	23,470	4,54	PHS 140-1A14
		221,49	B	-	38,10	95,25	139,70	60,33	23,470	9,25	PHS 140-1BH14
	15	235,71	A	38,10	-	-	-	-	23,470	4,99	PHS 140-1A15
		235,71	B	-	38,10	107,95	158,75	60,33	23,470	11,39	PHS 140-1BH15
	16	250,19	A	38,10	-	-	-	-	23,470	6,35	PHS 140-1A16
		250,19	B	-	38,10	107,95	158,75	63,50	23,470	12,66	PHS 140-1BH16
	17	264,41	A	38,10	-	-	-	-	23,470	7,26	PHS 140-1A17
		264,41	B	-	38,10	107,95	158,75	63,50	23,470	13,52	PHS 140-1BH17
	18	278,89	A	38,10	-	-	-	-	23,470	8,16	PHS 140-1A18
		278,89	B	-	38,10	107,95	158,75	63,50	23,470	14,51	PHS 140-1BH18
	19	293,12	A	38,10	-	-	-	-	23,470	9,53	PHS 140-1A19
		293,12	B	-	38,10	107,95	158,75	63,50	23,470	15,47	PHS 140-1BH19
	20	307,34	A	38,10	-	-	-	-	23,470	10,43	PHS 140-1A20
		307,34	B	-	38,10	107,95	158,75	63,50	23,470	16,33	PHS 140-1BH20
	21	321,56	A	38,10	-	-	-	-	23,470	11,34	PHS 140-1A21
		321,56	B	-	38,10	107,95	158,75	63,50	23,470	17,55	PHS 140-1BH21
	22	335,79	A	38,10	-	-	-	-	23,470	12,70	PHS 140-1A22
		335,79	B	-	38,10	107,95	158,75	63,50	23,470	18,42	PHS 140-1BH22
	23	350,01	A	38,10	-	-	-	-	23,470	13,61	PHS 140-1A23
		350,01	B	-	38,10	107,95	158,75	63,50	23,470	19,10	PHS 140-1BH23
	24	364,24	A	38,10	-	-	-	-	23,470	14,97	PHS 140-1A24
		364,24	B	-	38,10	107,95	158,75	63,50	23,470	20,96	PHS 140-1BH24
	25	378,46	A	38,10	-	-	-	-	23,470	15,42	PHS 140-1A25
		378,46	B	-	38,10	107,95	158,75	63,50	23,470	21,68	PHS 140-1BH25
	26	392,68	A	38,10	-	-	-	-	23,470	17,69	PHS 140-1A26
		392,68	B	-	38,10	107,95	158,75	76,20	23,470	25,95	PHS 140-1B26
27	406,91	A	38,10	-	-	-	-	23,470	18,60	PHS 140-1A27	
	406,91	B	-	38,10	107,95	158,75	76,20	23,470	26,54	PHS 140-1B27	
28	421,13	A	38,10	-	-	-	-	23,470	20,41	PHS 140-1A28	
	421,13	B	-	38,10	107,95	158,75	76,20	23,470	28,21	PHS 140-1B28	
30	449,58	A	38,10	-	-	-	-	23,470	23,59	PHS 140-1A30	
	449,58	B	-	38,10	107,95	158,75	76,20	23,470	31,66	PHS 140-1B30	
31	463,80	A	44,45	38,10	-	-	-	23,470	25,40	PHS 140-1A31	
32	478,03	A	38,10	-	-	-	-	23,470	27,22	PHS 140-1A32	
	478,03	B	-	38,10	107,95	158,75	76,20	23,470	34,61	PHS 140-1B32	

1 accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or id including 25 tooth, are with hardened teeth as standard.

ze sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

ANSI 140-1 · 44,45 mm (1³/₄" pitch) | ANSI 160-1 · 50,80 mm (2" pitch)

Pitch	Number of teeth	Outside diameter	Type	Dimensions Bore stock	Bore		Hub		Plate thickness	Mass	Designation	
					Min.	Max.	H	L				
mm	in.	mm	mm	mm	mm	mm	mm	mm	mm	kg	mm	
44,45	1 3/4	35	A	38,10	–	–	–	–	23,470	33,11	PHS 140-1A35	
			C	–	38,10	133,35	177,80	101,60	23,470	48,99	PHS 140-1C35	
	36	A	44,45	38,10	–	–	–	–	23,470	34,93	PHS 140-1A36	
		C	–	38,10	133,35	177,80	101,60	–	23,470	54,88	PHS 140-1C40	
	40	A	591,57	38,10	–	–	–	–	23,470	42,18	PHS 140-1A40	
		C	591,57	–	38,10	133,35	177,80	101,60	23,470	54,88	PHS 140-1C40	
	45	A	662,43	38,10	–	–	–	–	23,470	59,42	PHS 140-1A45	
		C	662,43	–	38,10	133,35	177,80	101,60	23,470	64,41	PHS 140-1C45	
	48	A	704,85	38,10	–	–	–	–	23,470	60,78	PHS 140-1A48	
		C	704,85	–	38,10	133,35	177,80	101,60	23,470	68,04	PHS 140-1C48	
	54	A	789,94	38,10	–	–	–	–	23,470	78,47	PHS 140-1A54	
		C	789,94	–	38,10	133,35	177,80	101,60	23,470	80,29	PHS 140-1C54	
	60	A	874,78	38,10	–	–	–	–	23,470	99,34	PHS 140-1A60	
		C	874,78	–	38,10	133,35	177,80	127,00	23,470	99,79	PHS 140-1C60	
	70	A	1016,51	38,10	–	–	–	–	23,470	132,45	PHS 140-1A70	
		C	1016,51	–	38,10	136,53	190,50	127,00	23,470	127,91	PHS 140-1C70	
	80	A	1157,99	38,10	–	–	–	–	23,470	182,34	PHS 140-1A80	
		C	1157,99	–	38,10	136,53	190,50	127,00	23,470	150,14	PHS 140-1C80	
	50,80	2	8	A	38,10	–	–	–	–	29,360	2,27	PHS 160-1A8
				B	–	38,10	47,63	82,55	57,15	29,360	3,63	PHS 160-1BH8
9			A	38,10	–	–	–	–	–	29,360	3,18	PHS 160-1A9
			B	–	38,10	53,98	92,08	57,15	29,360	4,54	PHS 160-1BH9	
10			A	38,10	–	–	–	–	–	29,360	3,63	PHS 160-1A10
			B	–	38,10	69,85	104,78	57,15	29,360	5,44	PHS 160-1BH10	
11			A	38,10	–	–	–	–	–	29,360	4,54	PHS 160-1A11
			B	–	38,10	82,55	120,65	63,50	29,360	7,71	PHS 160-1BH11	
12			A	38,10	–	–	–	–	–	29,360	5,44	PHS 160-1A12
			B	–	38,10	95,25	139,70	63,50	29,360	9,53	PHS 160-1BH12	
13			A	38,10	–	–	–	–	–	29,360	7,26	PHS 160-1A13
			B	–	38,10	101,60	152,40	69,85	29,360	12,70	PHS 160-1BH13	
14			A	38,10	–	–	–	–	–	29,360	7,71	PHS 160-1A14
			B	–	38,10	114,30	165,10	69,85	29,360	14,51	PHS 160-1BH14	
15			A	38,10	–	–	–	–	–	29,360	9,53	PHS 160-1A15
			B	–	38,10	133,35	177,80	69,85	29,360	16,78	PHS 160-1BH15	
16			A	38,10	–	–	–	–	–	29,360	10,89	PHS 160-1A16
			B	–	38,10	133,35	177,80	69,85	29,360	18,60	PHS 160-1BH16	
17			A	38,10	–	–	–	–	–	29,360	12,25	PHS 160-1A17
			B	–	38,10	133,35	177,80	69,85	29,360	20,41	PHS 160-1BH17	
18			A	38,10	–	–	–	–	–	29,360	13,61	PHS 160-1A18
			B	–	38,10	133,35	177,80	69,85	29,360	21,77	PHS 160-1BH18	
19			A	38,10	–	–	–	–	–	29,360	15,42	PHS 160-1A19
			B	–	38,10	133,35	177,80	69,85	29,360	23,59	PHS 160-1BH19	
20			A	38,10	–	–	–	–	–	29,360	17,24	PHS 160-1A20
			B	–	38,10	133,35	177,80	69,85	29,360	25,40	PHS 160-1BH20	
21			A	38,10	–	–	–	–	–	29,360	19,05	PHS 160-1A21
			B	–	38,10	133,35	177,80	69,85	29,360	26,76	PHS 160-1BH21	
22	A	38,10	–	–	–	–	–	29,360	20,87	PHS 160-1A22		
	B	–	38,10	133,35	177,80	69,85	29,360	29,48	PHS 160-1BH22			
23	A	38,10	–	–	–	–	–	29,360	22,68	PHS 160-1A23		
	B	–	38,10	133,35	177,80	69,85	29,360	30,84	PHS 160-1BH23			
24	A	38,10	–	–	–	–	–	29,360	25,40	PHS 160-1A24		
	B	–	38,10	133,35	177,80	76,20	29,360	34,93	PHS 160-1BH24			
25	A	38,10	–	–	–	–	–	29,360	27,67	PHS 160-1A25		
	B	–	38,10	133,35	177,80	76,20	29,360	36,74	PHS 160-1BH25			
26	A	38,10	–	–	–	–	–	29,360	29,48	PHS 160-1A26		
	B	–	38,10	133,35	177,80	76,20	29,360	39,01	PHS 160-1BH26			
27	A	38,10	–	–	–	–	–	29,360	32,21	PHS 160-1A27		
	B	–	38,10	133,35	177,80	76,20	29,360	41,28	PHS 160-1BH27			
28	A	38,10	–	–	–	–	–	29,360	34,93	PHS 160-1A28		
	B	–	38,10	133,35	177,80	76,20	29,360	44,45	PHS 160-1BH28			

bore can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or C, up to and including 25 tooth, are with hardened teeth as standard.

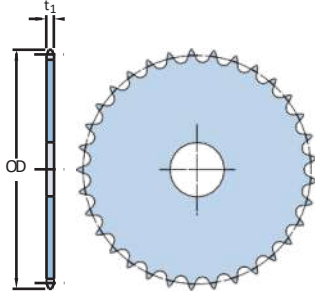
Additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

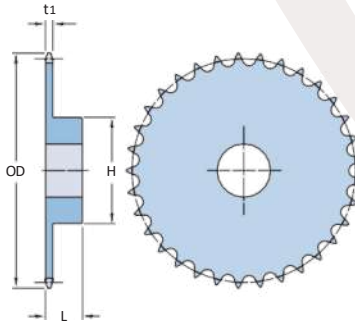
ANSI sprockets, simplex, pilot bore

ANSI 160-1 · 50,80 mm (2") pitch

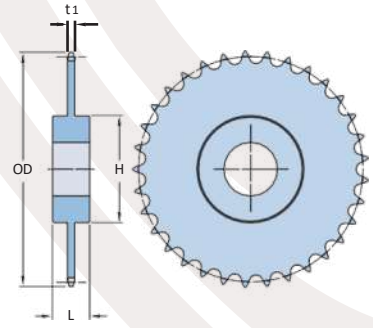
| ANSI 180-1 · 57,15 mm (2¹/₄") pitch



Type A



Type B



Type C

Pitch	Number of teeth	Outside diameter r OD	Type	Dimensions	Bore		Hub		Plate thickness		Mass kg	Designation
					Min.	Max.	H	L	t ₁			
mm	in.	mm		mm								
50,80	2	30	A	38,10	–	–	–	–	29,360	40,82	PHS 160-1A30	
			B	–	38,10	133,35	177,80	76,20	29,360	48,99	PHS 160-1B30	
	35	A	38,10	–	–	–	–	29,360	54,88	PHS 160-1A35		
		C	–	38,10	139,70	203,20	114,30	29,360	69,85	PHS 160-1C35		
	40	A	38,10	–	–	–	–	29,360	62,60	PHS 160-1A40		
		C	–	38,10	139,70	203,20	114,30	29,360	88,90	PHS 160-1C40		
	45	A	38,10	–	–	–	–	29,360	92,53	PHS 160-1A45		
		C	–	38,10	139,70	203,20	127,00	29,360	106,14	PHS 160-1C45		
	54	A	38,10	–	–	–	–	29,360	133,36	PHS 160-1A54		
		C	–	38,10	139,70	203,20	127,00	29,360	125,19	PHS 160-1C54		
	60	A	38,10	–	–	–	–	29,360	166,01	PHS 160-1A60		
		C	–	38,10	139,70	203,20	127,00	29,360	149,23	PHS 160-1C60		
	70	A	38,10	–	–	–	–	29,360	229,97	PHS 160-1A70		
		C	–	38,10	139,70	203,20	127,00	29,360	202,30	PHS 160-1C70		
	80	A	38,10	–	–	–	–	29,360	297,56	PHS 160-1A80		
		C	–	38,10	139,70	203,20	152,40	29,360	277,60	PHS 160-1C80		
57,15	11	11	A	38,10	–	–	–	–	33,050	6,35	PHS 180-1A11	
			B	–	38,10	92,08	139,70	76,20	33,050	13,15	PHS 180-1BH11	
	12	A	38,10	–	–	–	–	33,050	7,26	PHS 180-1A12		
		B	–	38,10	101,60	152,40	76,20	33,050	14,51	PHS 180-1BH12		
	13	A	38,10	–	–	–	–	33,050	9,07	PHS 180-1A13		
		B	–	38,10	117,48	171,45	79,38	33,050	18,14	PHS 180-1BH13		
	14	A	38,10	–	–	–	–	33,050	10,89	PHS 180-1A14		
		B	–	38,10	133,35	177,80	79,38	33,050	19,96	PHS 180-1BH14		
	15	A	38,10	–	–	–	–	33,050	12,70	PHS 180-1A15		
		B	–	38,10	133,35	177,80	79,38	33,050	21,77	PHS 180-1BH15		
	16	A	38,10	–	–	–	–	33,050	14,51	PHS 180-1A16		
		B	–	38,10	133,35	177,80	79,38	33,050	23,59	PHS 180-1BH16		
	17	A	38,10	–	–	–	–	33,050	16,78	PHS 180-1A17		
		B	–	38,10	133,35	177,80	79,38	33,050	26,31	PHS 180-1BH17		
	18	A	38,10	–	–	–	–	33,050	19,50	PHS 180-1A18		
		B	–	38,10	133,35	177,80	79,38	33,050	28,58	PHS 180-1BH18		
	19	A	38,10	–	–	–	–	33,050	21,32	PHS 180-1A19		
		B	–	38,10	136,53	190,50	85,73	33,050	33,57	PHS 180-1BH19		
	20	A	38,10	–	–	–	–	33,050	24,04	PHS 180-1A20		
		B	–	38,10	136,53	190,50	85,73	33,050	36,74	PHS 180-1BH20		
	21	A	38,10	–	–	–	–	33,050	25,85	PHS 180-1A21		
		B	–	38,10	136,53	190,50	85,73	33,050	37,65	PHS 180-1BH21		
	22	A	38,10	–	–	–	–	33,050	28,12	PHS 180-1A22		
		B	–	38,10	136,53	190,50	85,73	33,050	41,73	PHS 180-1BH22		
23	A	38,10	–	–	–	–	33,050	31,30	PHS 180-1A23			
	B	–	38,10	136,53	190,50	85,73	33,050	44,91	PHS 180-1BH23			
24	A	38,10	–	–	–	–	33,050	34,93	PHS 180-1A24			

is can accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or to and including 25 tooth, are with hardened teeth as standard.
nal size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

ANSI 180-1 · 57,15 mm (2¹/₄" pitch) | ANSI 200-1 · 63,50 mm (2¹/₂" pitch)

Pitch		Number of teeth	Outside diameter OD	Type	Dimensions Bore stock	Bore		Hub		Plate thickness t ₁	Mass kg	Designation		
mm	in.					Min.	Max.	H	L					
57,15	2 1/4	24	468,38	B	–	38,10	136,53	190,50	85,73	33,050	47,63	PHS 180-1BH24		
			486,66	A	38,10	–	–	–	–	33,050	38,10	PHS 180-1A25		
		486,66	B	–	38,10	136,53	190,50	85,73	33,050	51,26	PHS 180-1BH25			
		28	541,53	A	38,10	–	–	–	–	33,050	47,17	PHS 180-1A28		
			541,53	B	–	38,10	139,70	203,20	88,90	33,050	61,23	PHS 180-1B28		
		30	578,10	A	38,10	–	–	–	–	33,050	54,43	PHS 180-1A30		
			578,10	C	–	38,10	146,05	215,90	111,13	33,050	81,65	PHS 180-1C30		
		35	669,29	A	38,10	–	–	–	–	33,050	78,02	PHS 180-1A35		
			669,29	C	–	38,10	146,05	215,90	111,13	33,050	100,70	PHS 180-1C35		
		40	760,48	A	38,10	–	–	–	–	33,050	103,87	PHS 180-1A40		
			760,48	C	–	38,10	146,05	215,90	111,13	33,050	122,47	PHS 180-1C40		
		45	851,66	A	38,10	–	–	–	–	33,050	128,82	PHS 180-1A45		
			851,66	C	–	38,10	152,40	228,60	127,00	33,050	142,88	PHS 180-1C45		
		54	1015,49	A	38,10	–	–	–	–	33,050	190,51	PHS 180-1A54		
			1015,49	C	–	38,10	152,40	228,60	127,00	33,050	216,36	PHS 180-1C54		
		60	1124,71	A	38,10	–	–	–	–	33,050	229,06	PHS 180-1A60		
			1124,71	C	–	38,10	165,10	241,30	136,53	33,050	221,81	PHS 180-1C60		
		63,50	2 1/2	10	233,68	A	38,10	–	–	–	–	35,280	7,26	PHS 200-1A10
					233,68	B	–	38,10	95,25	139,70	76,20	35,280	11,79	PHS 200-1BH10
				11	254,51	A	38,10	–	–	–	–	35,280	9,07	PHS 200-1A11
					254,51	B	–	38,10	101,60	152,40	76,20	35,280	14,97	PHS 200-1BH11
				12	275,08	A	38,10	–	–	–	–	35,280	10,89	PHS 200-1A12
					275,08	B	–	38,10	114,30	165,10	76,20	35,280	16,78	PHS 200-1BH12
				13	295,66	A	38,10	–	–	–	–	35,280	13,61	PHS 200-1A13
295,66	B				–	38,10	133,35	177,80	76,20	35,280	20,87	PHS 200-1BH13		
14	316,48			A	38,10	–	–	–	–	35,280	14,51	PHS 200-1A14		
	316,48			B	–	38,10	136,53	190,50	88,90	35,280	26,76	PHS 200-1BH14		
15	336,80			A	38,10	–	–	–	–	35,280	18,14	PHS 200-1A15		
	336,80			B	–	38,10	136,53	190,50	88,90	35,280	29,03	PHS 200-1BH15		
16	357,38			A	38,10	–	–	–	–	35,280	20,87	PHS 200-1A16		
	357,38			B	–	38,10	136,53	190,50	88,90	35,280	32,66	PHS 200-1BH16		
17	377,70			A	38,10	–	–	–	–	35,280	23,13	PHS 200-1A17		
	377,70			B	–	38,10	136,53	190,50	88,90	35,280	34,47	PHS 200-1BH17		
18	398,27			A	38,10	–	–	–	–	35,280	25,85	PHS 200-1A18		
	398,27			B	–	38,10	136,53	190,50	88,90	35,280	38,10	PHS 200-1BH18		
19	418,59			A	38,10	–	–	–	–	35,280	29,48	PHS 200-1A19		
	418,59			B	–	38,10	136,53	190,50	88,90	35,280	41,28	PHS 200-1BH19		
20	439,17			A	38,10	–	–	–	–	35,280	32,66	PHS 200-1A20		
	439,17			B	–	38,10	136,53	190,50	88,90	35,280	44,45	PHS 200-1BH20		
21	459,49			A	38,10	–	–	–	–	35,280	37,19	PHS 200-1A21		
	459,49			B	–	38,10	136,53	190,50	88,90	35,280	48,08	PHS 200-1BH21		
22	479,81			A	38,10	–	–	–	–	35,280	39,92	PHS 200-1A22		
	479,81			B	–	38,10	146,05	215,90	101,60	35,280	59,42	PHS 200-1BH22		
23	500,13			A	38,10	–	–	–	–	35,280	43,09	PHS 200-1A23		
	500,13			B	–	38,10	146,05	215,90	101,60	35,280	61,69	PHS 200-1BH23		
24	520,45			A	38,10	–	–	–	–	35,280	47,63	PHS 200-1A24		
	520,45			B	–	38,10	146,05	215,90	101,60	35,280	64,41	PHS 200-1BH24		
25	540,77			A	38,10	–	–	–	–	35,280	51,26	PHS 200-1A25		
	540,77			B	–	38,10	146,05	215,90	101,60	35,280	69,40	PHS 200-1BH25		
26	561,09			A	38,10	–	–	–	–	35,280	56,25	PHS 200-1A26		
	561,09			C	–	38,10	146,05	215,90	114,30	35,280	80,74	PHS 200-1C26		
28	601,73			A	38,10	–	–	–	–	35,280	65,32	PHS 200-1A28		
	601,73	C	–	38,10	146,05	215,90	114,30	35,280	88,45	PHS 200-1C28				
30	642,37	A	38,10	–	–	–	–	35,280	75,75	PHS 200-1A30				
	642,37	C	–	38,10	146,05	215,90	114,30	35,280	96,16	PHS 200-1C30				
32	682,75	A	38,10	–	–	–	–	35,280	88,45	PHS 200-1A32				
	682,75	C	–	38,10	146,05	215,90	114,30	35,280	99,79	PHS 200-1C32				
35	743,71	A	38,10	–	–	–	–	35,280	102,97	PHS 200-1A35				
	743,71	C	–	38,10	146,05	215,90	114,30	35,280	115,21	PHS 200-1C35				

1 accommodate standard keyways. Larger bores are available where a shallow keyway is used or no keyway is required. All Type B or id including 25 tooth, are with hardened teeth as standard.
ize sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 25-1BH9.

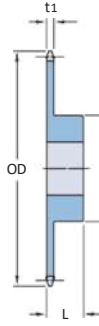
CNIP SPROCKET

ANSI sprockets, simplex, pilot bore

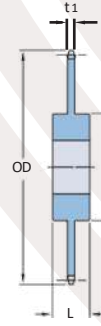
ANSI 200-1 · 63,50 mm (2½") pitch | ANSI 240-1 · 76,20 mm (3") pitch



Type A



Type B



Type C

Pitch	Number of teeth	Outside diameter r OD	Type	Dimensions		Bore		Hub		Plate thickness		Mass kg	Designation
				Bore stock	Bore	Min.	Max.	H	L	t ₁			
mm	in.	mm		mm									
63,50	2 ½	40	A	38,10	—	—	—	—	—	35,280	136,53	PHS 200-1A40	
			C	—	38,10	152,40	228,60	127,00	35,280	145,15	PHS 200-1C40		
	45	A	38,10	—	—	—	—	—	35,280	176,90	PHS 200-1A45		
		C	—	38,10	152,40	228,60	127,00	35,280	165,11	PHS 200-1C45			
	54	A	38,10	—	—	—	—	—	35,280	251,74	PHS 200-1A54		
		C	—	38,10	165,10	241,30	139,70	35,280	232,24	PHS 200-1C54			
	60	A	38,10	—	—	—	—	—	35,280	313,89	PHS 200-1A60		
		C	—	38,10	165,10	241,30	139,70	35,280	296,65	PHS 200-1C60			
	76,20	3	10	A	38,10	—	—	—	—	—	44,150	13,61	PHS 240-1A10
				B	—	38,10	114,30	165,10	85,73	44,150	22,23	PHS 240-1BH10	
		11	A	38,10	—	—	—	—	—	44,150	16,78	PHS 240-1A11	
			B	—	38,10	120,65	177,80	98,43	44,150	29,94	PHS 240-1BH11		
12		A	38,10	—	—	—	—	—	44,150	20,41	PHS 240-1A12		
		B	—	38,10	136,53	190,50	98,43	44,150	32,66	PHS 240-1BH12			
13		A	38,10	—	—	—	—	—	44,150	24,49	PHS 240-1A13		
		B	—	38,10	136,53	190,50	98,43	44,150	36,74	PHS 240-1BH13			
14		A	38,10	—	—	—	—	—	44,150	28,12	PHS 240-1A14		
		B	—	38,10	136,53	190,50	98,43	44,150	39,92	PHS 240-1BH14			
15		A	38,10	—	—	—	—	—	44,150	30,84	PHS 240-1A15		
		B	—	38,10	136,53	190,50	98,43	44,150	44,45	PHS 240-1BH15			
16		A	38,10	—	—	—	—	—	44,150	37,19	PHS 240-1A16		
		B	—	38,10	139,70	203,20	104,78	44,150	54,43	PHS 240-1BH16			
17		A	38,10	—	—	—	—	—	44,150	42,18	PHS 240-1A17		
		B	—	38,10	139,70	203,20	104,78	44,150	62,14	PHS 240-1BH17			
18		A	38,10	—	—	—	—	—	44,150	48,99	PHS 240-1A18		
		B	—	38,10	139,70	203,20	104,78	44,150	64,41	PHS 240-1BH18			
19		A	38,10	—	—	—	—	—	44,150	54,43	PHS 240-1A19		
		B	—	38,10	139,70	203,20	104,78	44,150	69,85	PHS 240-1BH19			
20	A	38,10	—	—	—	—	—	44,150	58,06	PHS 240-1A20			
	B	—	38,10	139,70	203,20	104,78	44,150	76,66	PHS 240-1BH20				
21	A	38,10	—	—	—	—	—	44,150	67,13	PHS 240-1A21			
	B	—	38,10	139,70	203,20	104,78	44,150	84,37	PHS 240-1BH21				
25	A	38,10	—	—	—	—	—	44,150	94,35	PHS 240-1A25			
	B	—	38,10	139,70	203,20	104,78	44,150	115,21	PHS 240-1BH25				
30	A	38,10	—	—	—	—	—	44,150	140,61	PHS 240-1A30			
	C	—	38,10	152,40	228,60	158,75	44,150	180,53	PHS 240-1C30				
35	A	38,10	—	—	—	—	—	44,150	188,69	PHS 240-1A35			
	C	—	38,10	152,40	228,60	158,75	44,150	239,04	PHS 240-1C35				
40	A	38,10	—	—	—	—	—	44,150	248,57	PHS 240-1A40			
	C	—	38,10	177,80	254,00	171,45	44,150	304,81	PHS 240-1C40				
45	A	38,10	—	—	—	—	—	44,150	318,42	PHS 240-1A45			
	C	—	38,10	177,80	254,00	171,45	44,150	385,55	PHS 240-1C45				
54	A	38,10	—	—	—	—	—	44,150	463,57	PHS 240-1A54			

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, 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 25-1BH9.

ANSI sprockets, simplex, pilot bore
ANSI240-1 · 76,20 mm (3") pitch

Pitch Outside		Number of teeth	diameter		Dimensions	Mass/Bore		Hub		Plate thickness		Designation
mm	in.		OD	H		stock	Min.	Max.	L	t	kg	
76,20	3	54	1354,07	C	–	38,10	177,80	254,00	171,45	44,150	520,72	PHS 240-1C54
			1499,62	A	38,10	–	–	–	–	44,150	575,15	PHS 240-1A60
		1499,62	C	–	38,10	177,80	254,00	171,45	44,150	643,65	PHS 240-1C60	

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 25-1BH9.



CALL US FOR MORE DETAILS

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