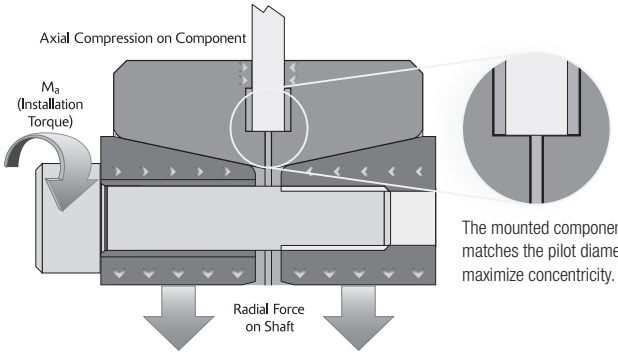


The mounted component's bore matches the pilot diameter to maximize concentricity.

Principles of Operation

B-LOC Compression Hubs differ from other keyless locking devices in how they engage the mounted component. Rather than creating a radial force on the mounted component, the outer tapered rings are drawn together to generate an axial clamping force. In this way, the mounted component is not subjected to tensile (hoop) stresses. This operating principle also allows narrow components to be mounted with excellent runout.

Surface Finish

Recommended surface finish for shafts to be used with B-LOC Compression Hubs is between 32 and 125 microinch (0.8 and 3.2 micrometer) RMS. A smoother finish — such as that found on components supplied TG&P (turned, ground and polished) — is NOT recommended and can result in a failure of the connection. Note that surface finishes below 32 microinch (0.8 micrometer) RMS can be roughened using longitudinal abrasion with a bastard file, emery paper or similar to achieve a surface finish within the recommended range. The recommended surface finish on the contact faces of the mounted component is between 32 and 250 microinch (0.8 – 6.4 micrometer).

Concentricity

Fenner Industrial Motion Keyless Locking Devices are precision machined to maximize concentricity and minimize runout. The final installed concentricity of mounted components depends on several variables, including the components themselves and the installation technique employed. In the case of B-LOC Compression Hubs, total runout can be minimized by machining the bore and contacting faces of the mounted component to tight tolerances.

Adhesives & Lubricants

B-LOC Keyless Locking Devices are supplied with an oil specific to the product line. The listed performance data requires the use of these lubricants to provide the necessary coefficient of friction to the sliding surfaces. Likewise, do not use anaerobic adhesives such as Loctite, Permatex or similar compounds with Fenner Industrial Motion Keyless Locking Devices. Doing so results in unknown contact pressures and capacities. Furthermore, disassembly may be compromised when such compounds are applied to the keyless bushing, the shaft and/or the hub bore. The approved lubricant for use with B-LOC Compression Hubs is CRC3-36.

Materials

B-LOC Keyless Locking Devices are made from carbon steels and heat treated alloy steels. For applications in corrosive environments, corrosion resistance can be improved through sealing with grease or silicone, the use of protective cover plates, application of industry standard plating materials (e.g., nickel, thin dense chrome, etc.) or by specifying the product in stainless steel or other corrosion resistant materials. Please consult with a Fenner Industrial Motion Applications Engineer for more details.

Torque

T = peak drive torque = nominal torque multiplied by a safety factor to account for stall or start-up conditions, mass accelerations, impact loads, etc. Nominal drive torque can be calculated as follows:

$$Mt_{nom}\ (\text{ft lb}) = \frac{5252 \times HP}{rpm}$$

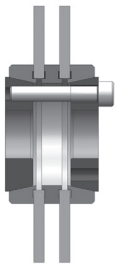
$$Mt_{nom}\ (\text{Nm}) = \frac{9550 \times kW}{rpm}$$

Consult with a Fenner Industrial Motion Applications Engineer in cases where "T" is uncertain.

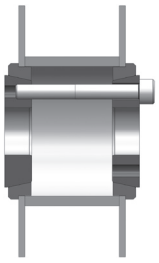
M_t = The rated torque capacity of one Fenner Industrial Motion Keyless Locking Device installed according to our instructions. Published torque capacities are calculated without using a safety factor and should be considered as the point where a connection could slip if a higher torque is applied. Therefore, always select a unit where $M_t \geq T$.

Made to Order

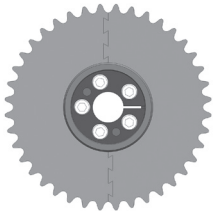
B-LOC Compression Hubs offer a unique design that can provide solutions for applications beyond the standard, single chain sprocket application. Because compression hubs function by clamping the mounted components in the axial direction, cost savings can be realized by stacking together lower cost individual components. The compression hub simultaneously clamps the assembly together and attaches the assembly to the shaft.



A double strand chain sprocket can be easily made by adding a spacer between two A-plate sprockets.



Applications that require spacing between thin end discs can be accommodated by extending the pilot surface through the end discs so that it engages a spacer and keeps the entire assembly aligned.



Split sprocket designs are simplified by utilizing an A-plate sprocket which is split in a way that provides positive engagement between the two halves.

B-LOC

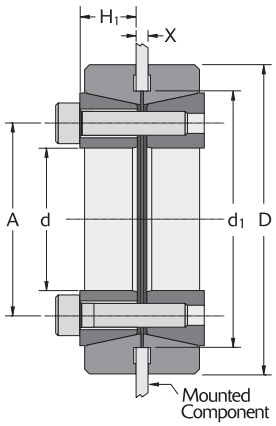
BCH 20

Inch

Metric socket head locking screws ISO 4762 grade 12.9 (See M_a for install torque).

Locking screws transfer to integrated push-off holes for disassembly.

Screw head height = screw diameter (mm)



TOLERANCE (T_L)

Recommended bore diameter d_1 +.001" / +.003"

T_L = .002" for shafts up to 3"

Shaft diameter machined to d +0/-T_L

Parallelism machined to X +/- .005"

BCH20 – Light Duty – Inch

Base Part Number	d (inch)	D (inch)	H_1 (inch)	A (inch)	d_1 (inch)	Locking Screws		Mounted Component Thickness (X)				M_a	M_t	Th	P_S	Ship Weight (lb)
								Range 1		Range 2			Maximum Transmitted			
						Qty	Size	X (inch)	Screw Length 1 (mm)	X (inch)	Screw Length 2 (mm)	Install Torque (ft lb)	Torque (ft lb)	Thrust (lbs)	Shaft Pressure (ksi)	
BCH202008	1/2	1.496	0.305	0.925	1.280	4	M4	0.098 – 0.161	16	0.161 – 0.319	20	3.5	48	2320	24.7	0.2
BCH202010	5/8	1.496	0.305	0.925	1.280	4	M4	0.098 – 0.161	16	0.161 – 0.319	20	3.5	60	2320	19.7	0.2
BCH202012	3/4	1.732	0.305	1.122	1.535	4	M4	0.098 – 0.161	16	0.161 – 0.319	20	3.5	72	2320	16.5	0.4
BCH202014	7/8	1.969	0.384	1.339	1.732	4	M4	0.098 – 0.240	20	0.240 – 0.437	25	3.5	84	2320	11.3	0.4
BCH202015	15/16	1.969	0.384	1.339	1.732	4	M4	0.098 – 0.240	20	0.240 – 0.437	25	3.5	90	2320	10.6	0.4
BCH202100	1	1.969	0.384	1.339	1.732	4	M4	0.098 – 0.240	20	0.240 – 0.437	25	3.5	97	2320	9.9	0.4
BCH202102	1 1/8	2.165	0.384	1.535	1.969	5	M4	0.098 – 0.240	20	0.240 – 0.437	25	3.5	136	2990	11.3	0.7
BCH202103	1 3/16	2.165	0.384	1.535	1.969	5	M4	0.098 – 0.240	20	0.240 – 0.437	25	3.5	136	2990	10.7	0.7
BCH202104	1 1/4	2.362	0.384	1.732	2.126	6	M4	0.098 – 0.240	20	0.240 – 0.437	25	3.5	180	3570	12.2	0.7
BCH202106	1 3/8	2.362	0.384	1.732	2.126	6	M4	0.098 – 0.240	20	0.240 – 0.437	25	3.5	180	3570	11.2	0.7
BCH202107	1 7/16	2.756	0.482	2.008	2.520	4	M5	0.098 – 0.276	25	0.276 – 0.472	30	7	237	4020	10.0	1.1
BCH202108	1 1/2	2.756	0.482	2.008	2.520	4	M5	0.098 – 0.276	25	0.276 – 0.472	30	7	237	4020	9.6	1.1
BCH202110	1 5/8	2.992	0.482	2.205	2.677	6	M5	0.098 – 0.276	25	0.276 – 0.472	30	7	385	6050	13.2	1.3
BCH202111	1 11/16	2.992	0.482	2.205	2.677	6	M5	0.098 – 0.276	25	0.276 – 0.472	30	7	385	6050	12.8	1.3
BCH202112	1 3/4	2.992	0.482	2.205	2.677	6	M5	0.098 – 0.276	25	0.276 – 0.472	30	7	385	6050	12.3	1.3
BCH202114	1 7/8	3.543	0.561	2.598	3.071	9	M5	0.098 – 0.394	30	0.394 – 0.512	40	7	683	9060	14.8	2.2
BCH202115	1 15/16	3.543	0.561	2.598	3.071	9	M5	0.098 – 0.394	30	0.394 – 0.512	40	7	683	9060	14.4	2.2
BCH202200	2	3.543	0.561	2.598	3.071	9	M5	0.098 – 0.394	30	0.394 – 0.512	40	7	683	9060	13.8	2.2
BCH202202	2 1/8	3.543	0.561	2.598	3.071	9	M5	0.098 – 0.394	30	0.394 – 0.512	40	7	683	9060	13.1	2
BCH202203	2 3/16	3.543	0.561	2.598	3.071	9	M5	0.098 – 0.394	30	0.394 – 0.512	40	7	683	9060	12.6	2
BCH202204	2 1/4	4.134	0.679	3.031	3.622	9	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1066	12190	13.6	3.5
BCH202206	2 3/8	4.134	0.679	3.031	3.622	9	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1066	12190	12.9	3.3
BCH202207	2 7/16	4.134	0.679	3.031	3.622	9	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1066	12190	12.6	3.3
BCH202208	2 1/2	4.134	0.679	3.031	3.622	9	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1066	12190	12.3	3.3
BCH202209	2 9/16	4.134	0.679	3.031	3.622	9	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1066	12190	12.0	3.1
BCH202210	2 5/8	4.724	0.679	3.465	4.016	12	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1617	16250	15.5	4.6
BCH202212	2 3/4	4.724	0.679	3.465	4.016	12	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1617	16250	14.9	4.4
BCH202214	2 7/8	4.724	0.679	3.465	4.016	12	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1617	16250	14.2	4.2
BCH202215	2 15/16	4.724	0.679	3.465	4.016	12	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1617	16250	13.9	4.2
BCH202300	3	4.724	0.679	3.465	4.016	12	M6	0.098 - 0.429	35	0.429 - 0.591	45	12	1617	16250	13.6	4

Part Number Ordering Guide

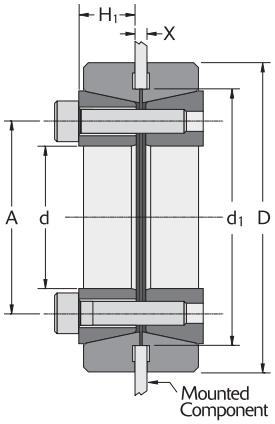
Base Part Number	+	Screw Length (based on X)	=	Complete Part Number
BCH202110		025		BCH202110-025
		3 digit whole number Always in mm 25 = 025		

NOTES

1. B-LOC Compression Hubs exert a maximum pressure on the face of the mounted component of 250 N/mm^2 (36 ksi).
2. B-LOC pilot diameter d_1 machined to ISO tolerance h8.

Please note not all catalog items shown are stock. Some products are make-to-order (MTO) based on annual demand. Please verify with your customer service representative for current availability of the item desired.

B-LOC
BCH 20
Metric



TOLERANCE (T_L)

Recommended bore diameter d_1 +.03mm / +.08mm

T_L = .05mm for shafts up to 75mm

Shaft diameter machined to d +0/-T_L

Parallelism machined to X +/- 0.13mm

BCH20 – Light Duty – Metric

Base Part Number	d (mm)	D (mm)	H_1 (mm)	A (mm)	d_1 (mm)	Locking Screws		Mounted Component Thickness (X)				M_a	M_t	Th	P_s	Ship Weight (kg)
								Range 1		Range 2			Maximum Transmitted			
						Qty	Size	X (mm)	Screw Length 1 (mm)	X (mm)	Screw Length 2 (mm)	Install Torque (Nm)	Torque (Nm)	Thrust (kN)	Shaft Pressure (N/mm^2)	
BCH201012	12	38	7.8	23.5	32.5	4	M4	2.5 – 4.1	16	4.1 – 8.1	20	5	65	10.8	189	0.1
BCH201014	14	38	7.8	23.5	32.5	4	M4	2.5 – 4.1	16	4.1 – 8.1	20	5	76	10.8	136	0.1
BCH201015	15	38	7.8	23.5	32.5	4	M4	2.5 – 4.1	16	4.1 – 8.1	20	5	81	10.8	114	0.2
BCH201018	18	44	7.8	28.5	39	4	M4	2.5 – 4.1	16	4.1 – 8.1	20	5	97	10.8	78	0.2
BCH201019	19	44	7.8	28.5	39	4	M4	2.5 – 4.1	16	4.1 – 8.1	20	5	103	10.8	73	0.2
BCH201020	20	44	7.8	28.5	39	4	M4	2.5 – 4.1	16	4.1 – 8.1	20	5	108	10.8	68	0.2
BCH201022	22	50	9.8	34	44	4	M4	2.5 – 6.1	20	6.1 – 11.1	25	5	122	11.2	78	0.3
BCH201024	24	50	9.8	34	44	4	M4	2.5 – 6.1	20	6.1 – 11.1	25	5	134	11.2	74	0.3
BCH201025	25	50	9.8	34	44	4	M4	2.5 – 6.1	20	6.1 – 11.1	25	5	140	11.2	84	0.3
BCH201028	28	55	9.8	39	50	5	M4	2.5 – 6.1	20	6.1 – 11.1	25	5	195	13.9	77	0.3
BCH201030	30	55	9.8	39	50	5	M4	2.5 – 6.1	20	6.1 – 11.1	25	5	195	13.9	69	0.5
BCH201032	32	60	9.8	44	54	6	M4	2.5 – 6.1	20	6.1 – 11.1	25	5	257	16.7	66	0.5
BCH201035	35	60	9.8	44	54	6	M4	2.5 – 6.1	20	6.1 – 11.1	25	5	257	16.7	91	0.6
BCH201038	38	70	12.3	51	64	4	M5	2.5 – 7	25	7 – 12	30	10	321	17.9	88	0.6
BCH201040	40	70	12.3	51	64	4	M5	2.5 – 7	25	7 – 12	30	10	321	17.9	85	0.6
BCH201042	42	76	12.3	56	68	6	M5	2.5 – 7	25	7 – 12	30	10	522	26.9	102	1
BCH201045	45	76	12.3	56	68	6	M5	2.5 – 7	25	7 – 12	30	10	522	26.9	99	1
BCH201048	48	90	14.3	66	78	9	M5	2.5 – 10	30	10 – 13	40	10	926	40.3	95	1
BCH201050	50	90	14.3	66	78	9	M5	2.5 – 10	30	10 – 13	40	10	926	40.3	90	0.9
BCH201055	55	90	14.3	66	78	9	M5	2.5 – 10	30	10 – 13	40	10	926	40.3	87	0.9
BCH201060	60	105	17.3	77	92	9	M6	2.5 – 10.9	35	10.9 – 15	45	16	1445	54.2	94	1.6
BCH201065	65	105	17.3	77	92	9	M6	2.5 – 10.9	35	10.9 – 15	45	16	1445	54.2	89	1.5
BCH201070	70	120	17.3	88	102	12	M6	2.5 – 10.9	35	10.9 – 15	45	16	2192	72.3	87	1.5
BCH201075	75	120	17.3	88	102	12	M6	2.5 – 10.9	35	10.9 – 15	45	16	2192	72.3	85	1.5

Contact Technical Services:

- Larger and smaller bore sizes available upon request
- Larger mounted component thickness (outside of X Ranges 1 and 2) can be easily accommodated. Fully-threaded screws are required for mounted component thicknesses larger than X Range 2.
- Fenner Industrial Motion can engineer a custom B-LOC Compression Hub to meet your needs.
- Email: AE@fenner.com

Please note not all catalog items shown are stock. Some products are make-to-order (MTO) based on annual demand. Please verify with your customer service representative for current availability of the item desired.

B-LOC Compression Hubs

B-LOC

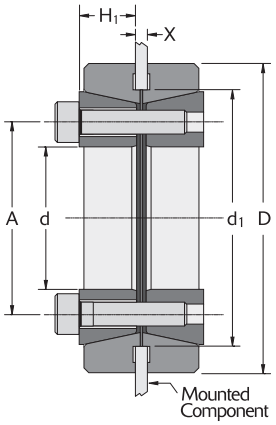
BCH 50

Inch

Metric socket head locking screws ISO 4762 grade 12.9 (See M_a for install torque).

Locking screws transfer to integrated push-off holes for disassembly.

Screw head height = screw diameter (mm)



TOLERANCE (T_L)

Recommended bore diameter d_1 +.001" / +.003"

T_L = .002" for shafts up to 3"

Shaft diameter machined to d +0/-T_L

Parallelism machined to X +/- .005"

BCH50 – Heavy Duty – Inch

Base Part Number	d (inch)	D (inch)	H_1 (inch)	A (inch)	d_1 (inch)	Locking Screws		Mounted Component Thickness (X)				M_a	M_t	Th	P_s	Ship Weight (lb)
								Range 1		Range 2			Maximum Transmitted			
						Qty	Size	X (inch)	Screw Length 1 (mm)	X (inch)	Screw Length 2 (mm)	Install Torque (ft lb)	Torque (ft lb)	Thrust (lbs)	Shaft Pressure (ksi)	
BCH502008	1/2	1.85	0.384	0.984	1.457	5	M5	0.098 – 0.197	20	0.197 – 0.394	25	7	104	4970	42.5	0.7
BCH502010	5/8	1.85	0.384	0.984	1.457	5	M5	0.098 – 0.197	20	0.197 – 0.394	25	7	129	5510	33.9	0.4
BCH502012	3/4	2.047	0.384	1.181	1.654	6	M5	0.098 – 0.197	20	0.197 – 0.394	25	7	186	6610	33.9	0.7
BCH502014	7/8	2.283	0.463	1.398	1.890	6	M5	0.098 – 0.315	25	0.315 – 0.512	30	7	217	6610	24.2	0.9
BCH502015	15/16	2.283	0.463	1.398	1.890	6	M5	0.098 – 0.315	25	0.315 – 0.512	30	7	233	6610	22.6	0.9
BCH502100	1	2.283	0.463	1.398	1.890	6	M5	0.098 – 0.315	25	0.315 – 0.512	30	7	248	6610	21.2	0.9
BCH502102	1 1/8	2.559	0.463	1.594	2.126	8	M5	0.098 – 0.315	25	0.315 – 0.512	30	7	385	9130	26.0	1.1
BCH502103	1 3/16	2.559	0.463	1.594	2.126	8	M5	0.098 – 0.315	25	0.315 – 0.512	30	7	406	9130	24.7	1.1
BCH502104	1 1/4	2.953	0.561	1.850	2.362	8	M6	0.098 – 0.350	30	0.350 – 0.547	35	12	564	12030	26.5	1.8
BCH502106	1 3/8	2.953	0.561	1.850	2.362	8	M6	0.098 – 0.350	30	0.350 – 0.547	35	12	621	12030	24.1	1.8
BCH502107	1 7/16	3.307	0.561	2.047	2.598	10	M6	0.098 – 0.350	30	0.350 – 0.547	35	12	811	15040	28.7	2.2
BCH502108	1 1/2	3.307	0.561	2.047	2.598	10	M6	0.098 – 0.350	30	0.350 – 0.547	35	12	846	15040	27.6	2.2
BCH502110	1 5/8	3.78	0.699	2.362	2.992	7	M8	0.098 – 0.323	35	0.323 – 0.630	45	30	1261	20710	28.0	3.5
BCH502111	1 11/16	3.78	0.699	2.362	2.992	7	M8	0.098 – 0.323	35	0.323 – 0.630	45	30	1310	20710	27.0	3.5
BCH502112	1 3/4	3.78	0.699	2.362	2.992	7	M8	0.098 – 0.323	35	0.323 – 0.630	45	30	1358	20710	26.0	3.5
BCH502114	1 7/8	4.528	0.699	2.756	3.386	8	M8	0.098 – 0.323	35	0.323 – 0.630	45	30	1663	23650	27.7	5.3
BCH502115	1 15/16	4.528	0.699	2.756	3.386	8	M8	0.098 – 0.323	35	0.323 – 0.630	45	30	1719	23650	26.8	5.1
BCH502200	2	4.528	0.699	2.756	3.386	8	M8	0.098 – 0.323	35	0.323 – 0.630	45	30	1774	23650	26.0	5.1
BCH502202	2 1/8	4.528	0.699	2.756	3.386	8	M8	0.098 – 0.323	35	0.323 – 0.630	45	30	1885	23650	24.5	4.9
BCH502203	2 3/16	4.528	0.699	2.756	3.386	8	M8	0.098 – 0.323	35	0.323 – 0.630	45	30	1940	23650	23.8	4.9
BCH502204	2 1/4	5.433	0.797	3.268	4.016	8	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	3198	37900	32.5	8.6
BCH502206	2 3/8	5.433	0.797	3.268	4.016	8	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	3375	37900	30.7	8.4
BCH502207	2 7/16	5.433	0.797	3.268	4.016	8	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	3464	37900	29.9	8.4
BCH502208	2 1/2	5.433	0.797	3.268	4.016	8	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	3553	37900	29.1	8.2
BCH502209	2 9/16	5.433	0.797	3.268	4.016	8	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	3642	37900	28.4	8.2
BCH502210	2 5/8	6.142	0.797	3.740	4.409	9	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	4197	42630	31.3	10.8
BCH502212	2 3/4	6.142	0.797	3.740	4.409	9	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	4396	42630	29.9	10.6
BCH502214	2 7/8	6.142	0.797	3.740	4.409	9	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	4596	42630	28.6	10.4
BCH502215	2 15/16	6.142	0.797	3.740	4.409	9	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	4696	42630	28.0	10.1
BCH502300	3	6.142	0.797	3.740	4.409	9	M10	0.098 – 0.335	40	0.335 – 0.630	50	60	4796	42630	27.4	10.1

Part Number Ordering Guide

Base Part Number	+	Screw Length (based on X)	=	Complete Part Number
BCH502110		035		BCH502110-035
		3 digit whole number Always in mm 35 = 035		

NOTES

1. B-LOC Compression Hubs exert a maximum pressure on the face of the mounted component of 250 N/mm^2 (36 ksi).
2. B-LOC pilot diameter d_1 machined to ISO tolerance h8.

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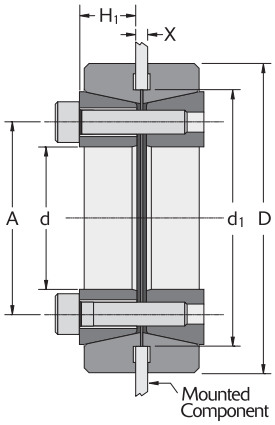
B-LOC
BCH 50
Metric



TOLERANCE (T_L)

Recommended bore diameter d_1 +.03mm / +.08mm

T_L = .05mm for shafts up to 75mm

Shaft diameter machined to d +0/-T_L

Parallelism machined to X +/- 0.13mm

BCH50 – Heavy Duty – Metric

Base Part Number	d (mm)	D (mm)	H_1 (mm)	A (mm)	d_1 (mm)	Locking Screws		Mounted Component Thickness (X)				M_a	M_t	Th	P_s	Ship Weight (kg)
								Range 1		Range 2		Install Torque (Nm)	Maximum Transmitted		Shaft Pressure (N/mm^2)	
						Qty	Size	X (mm)	Screw Length 1 (mm)	X (mm)	Screw Length 2 (mm)		Torque (Nm)	Thrust (kN)		
BCH501012	12	47	9.8	25	37.0	5	M5	2.5 – 5.0	20	5.0 – 10.0	25	10	132	22.1	310	0.3
BCH501014	14	47	9.8	25	37.0	5	M5	2.5 – 5.0	20	5.0 – 10.0	25	10	155	22.1	266	0.2
BCH501015	15	47	9.8	25	37.0	5	M5	2.5 – 5.0	20	5.0 – 10.0	25	10	166	22.1	248	0.2
BCH501018	18	52	9.8	30	42.0	6	M5	2.5 – 5.0	20	5.0 – 10.0	25	10	239	26.5	248	0.3
BCH501019	19	52	9.8	30	42.0	6	M5	2.5 – 5.0	20	5.0 – 10.0	25	10	252	26.5	235	0.3
BCH501020	20	52	9.8	30	42.0	6	M5	2.5 – 5.0	20	5.0 – 10.0	25	10	265	26.5	223	0.3
BCH501022	22	58	11.8	35.5	48.0	6	M5	2.5 – 8.0	25	8.0 – 13.0	30	10	302	27.4	175	0.4
BCH501024	24	58	11.8	35.5	48.0	6	M5	2.5 – 8.0	25	8.0 – 13.0	30	10	329	27.4	160	0.4
BCH501025	25	58	11.8	35.5	48.0	6	M5	2.5 – 8.0	25	8.0 – 13.0	30	10	342	27.4	154	0.4
BCH501028	28	65	11.8	40.5	54.0	8	M5	2.5 – 8.0	25	8.0 – 13.0	30	10	511	36.5	183	0.5
BCH501030	30	65	11.8	40.5	54.0	8	M5	2.5 – 8.0	25	8.0 – 13.0	30	10	548	36.5	171	0.5
BCH501032	32	75	14.3	47	60.0	8	M6	2.5 – 8.9	30	8.9 – 13.9	35	16	771	48.2	181	0.8
BCH501035	35	75	14.3	47	60.0	8	M6	2.5 – 8.9	30	8.9 – 13.9	35	16	843	48.2	166	0.8
BCH501038	38	84	14.3	52	66.0	10	M6	2.5 – 8.9	30	8.9 – 13.9	35	16	1145	60.2	191	1
BCH501040	40	84	14.3	52	66.0	10	M6	2.5 – 8.9	30	8.9 – 13.9	35	16	1205	60.2	181	0.9
BCH501042	42	96	17.8	60	76.0	7	M8	2.5 – 8.2	35	8.2 – 16.0	45	41	1740	82.9	190	1.6
BCH501045	45	96	17.8	60	76.0	7	M8	2.5 – 8.2	35	8.2 – 16.0	45	41	1864	82.9	177	1.6
BCH501048	48	115	17.8	70	86.0	8	M8	2.5 – 8.2	35	8.2 – 16.0	45	41	2273	94.7	190	2.4
BCH501050	50	115	17.8	70	86.0	8	M8	2.5 – 8.2	35	8.2 – 16.0	45	41	2367	94.7	182	2.3
BCH501055	55	115	17.8	70	86.0	8	M8	2.5 – 8.2	35	8.2 – 16.0	45	41	2604	94.7	166	2.2
BCH501060	60	138	20.3	83	102.0	8	M10	2.5 – 8.5	40	8.5 – 16.0	50	81	4551	152	213	3.8
BCH501065	65	138	20.3	83	102.0	8	M10	2.5 – 8.5	40	8.5 – 16.0	50	81	4930	152	197	3.7
BCH501070	70	156	20.3	95	112.0	9	M10	2.5 – 8.5	40	8.5 – 16.0	50	81	5973	171	205	4.8
BCH501075	75	156	20.3	95	112.0	9	M10	2.5 – 8.5	40	8.5 – 16.0	50	81	6400	171	192	4.6

Contact Technical Services:

- Larger and smaller bore sizes available upon request
- Larger mounted component thickness (outside of X Ranges 1 and 2) can be easily accommodated. Fully-threaded screws are required for mounted component thicknesses larger than X Range 2.
- Fenner Industrial Motion can engineer a custom B-LOC Compression Hub to meet your needs.
- Email: AE@fenner.com

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