

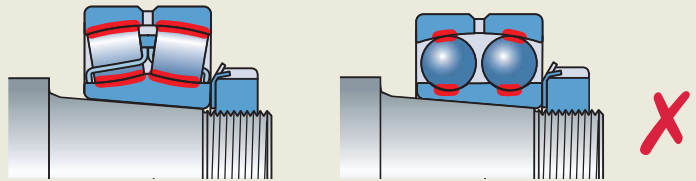
Mechanical tools

Interference fits on tapered seatings

Bearings mounted on tapered seatings achieve their interference fit by being driven up the tapered seating. Care should be taken to ensure the bearing is not driven up too far, as all the internal clearance may be removed and damage to the bearing is possible.

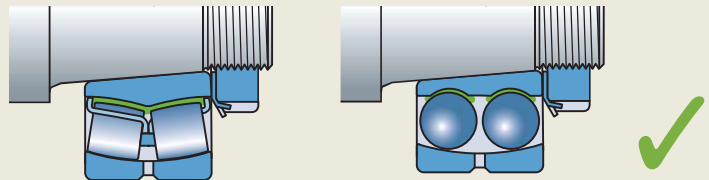
Incorrect mounting

Bearing driven up too far and all clearance removed; damage possible.



Correct mounting

Bearing driven up the correct distance and the right clearance is achieved.



Spanners and sockets

The comprehensive range of SKF spanner and sockets are used to tighten and loosen many types and sizes of bearing lock nuts, for bearings mounted directly on a shaft or on sleeves. Depending on application and bearing size, SKF spanners and sockets can be used to drive a bearing up a tapered seating.



Exact spanner radius reduces the risk of nut damage

SKF Hook Spanners HN series

- Minimises the risk of shaft and nut damage
- Plastic handle is oil, grease and dirt resistant to provide a better grip
- The plastic handle minimises direct metal to skin contact, reducing the risk of corrosion in the handle area
- Spanner designation is laser-engraved allowing for easy identification and selection
- Available as a set: SKF HN 4-16/SET containing 9 spanners for lock nut sizes 4 up to 16
- Supplied in a sturdy carrying case

Contents SKF HN 4-16/SET

HN 4	HN 8-9	HN 14
HN 5-6	HN 10-11	HN 15
HN 7	HN 12-13	HN 16

Selection chart – HN series

Designation	Suitable for the following series of SKF lock nuts						
	KM	N	AN	KMK	KMFE	KMT	DIN 1804 (M)
HN 0	0	0		0			M6×0,75, M8×1
HN 1	1	1		1			
HN 2-3	2, 3	2, 3		2, 3		0	M10×1, M12×1,5
HN 4	4	4		4	4	1, 2	M14×1,5, M16×1,5
HN 5-6	5, 6	5, 6		5, 6	5, 6	3, 4, 5	M22×1,5, M24×1,5, M26×1,5
HN 7	7	7		7	7	6, 7	M28×1,5, M30×1,5, M32×1,5, M35×1,5
HN 8-9	8, 9	8, 9		8, 9	8, 9	8	M38×1,5, M40×1,5, M42×1,5
HN 10-11	10, 11	10, 11		10, 11	10, 11	9, 10	M45×1,5, M48×1,5, M50×1,5
HN 12-13	12, 13	12, 13		12, 13	12, 13	11, 12	M52×1,5, M55×1,5, M58×1,5, M60×1,5
HN 14	14	14		14	14		
HN 15	15		15	15	15	13, 14	M62×1,5, M65×1,5, M68×1,5, M70×1,5
HN 16	16		16	16	16	15	
HN 17	17		17	17	17	16	M72×1,5, M75×1,5, M80×2
HN 18-20	18, 19, 20		18, 19, 20	18, 19, 20	18, 19, 20	17, 18, 19	M85×2, M90×2
HN 21-22	21, 22	22	21, 22		21, 22	20, 22	M95×2, M100×2

Technical data – HN series

Designation	Spanner design DIN 1810		Outer diameter lock nut		Designation	Spanner design DIN 1810		Outer diameter lock nut	
	mm		mm	in.		mm		mm	in.
HN 0			16–20	0.6–0.8	HN 12-13	Ø80–Ø90		80–90	3.1–3.5
HN 1	Ø20–Ø22		20–22	0.8–0.9	HN 14			92	3.6
HN 2-3	Ø25–Ø28		25–28	1.0–1.1	HN 15	Ø95–Ø100		95–100	3.7–3.9
HN 4	Ø30–Ø32		30–32	1.2–1.3	HN 16			105	4.1
HN 5-6			38–45	1.5–1.8	HN 17	Ø110–Ø115		110–115	4.3–4.5
HN 7	Ø52–Ø55		52–55	2.0–2.2	HN 18-20	Ø120–Ø130		120–130	4.7–5.1
HN 8-9			58–65	2.3–2.6	HN 21-22	Ø135–Ø145		135–145	5.3–5.7
HN 10-11	Ø68–Ø75		68–75	2.7–3.0					



Four sizes for tightening or loosening up to 24 nut sizes

SKF Adjustable Hook Spanners HNA series

- One hook spanner covers several nut sizes, making it suitable for use with many applications
- Economic solution: 4 hook spanners cover a wide range of nut sizes
- Laser engraved designation, which represents the range of nut sizes covered by each spanner, allows easy selection of the correct spanner
- Versatile: suitable for a wide selection of lock nuts
- Minimises the risk of shaft and nut damage

Selection chart and technical data – HNA series

Designation	Outer diameter lock nut		Suitable for the following series of SKF lock nuts						
	mm	in.	KM	KML	N	AN	KMK	KMFE	KMT
HNA 1-4	20–35	0.8–1.4	1–4		1–4		0–4	4	0–2
HNA 5-8	35–60	1.4–2.4	5–8		4–8		5–8	5–8	3–7
HNA 9-13	60–90	2.4–3.5	9–13		9–13		9–13	9–13	8–12
HNA 14-24	90–150	3.5–6.1	14–24	24–26	14	15–24	14–20	14–24	13–24

Mechanical tools



Easy and quick bearing mounting and dismounting in SNL housings

SKF Hook Spanners HN ../SNL series

- Unique design allows the SKF HN ../SNL series to be used inside SKF SNL, FSNL, SNH and SE bearing housings
- Suitable for tightening and loosening a wide selection of lock nuts, facilitating their use in a wide range of housing and shaft applications
- The large contact area of the spanner around the nut provides excellent grip and force transmission
- Exact fit reduces the risk of shaft, nut and housing damage



Selection chart and technical data

Designation	Outer diameter lock nut		Suitable for SKF housings	Suitable for the following series of SKF lock nuts						
	mm	in.		SNL / FSNL / SNH / SE	KM	KML	N ¹⁾	AN ¹⁾	KMK ¹⁾	KMFE
HN 5/SNL	38	1.50	505, 506–605	5		5		5	5	5
HN 6/SNL	45	1.77	506–605, 507–606	6		6		6	6	6
HN 7/SNL	52	2.05	507–606, 508–607	7		7		7	7	7
HN 8/SNL	58	2.28	508–607, 510–608	8		8		8	8	8
HN 9/SNL	65	2.56	509, 511–609	9		9		9	9	9
HN 10/SNL	70	2.76	510–608, 512–610	10		10		10	10	10
HN 11/SNL	75	2.95	511–609, 513–611	11		11		11	11	11
HN 12/SNL	80	3.15	512–610, 515–612	12		12		12	12	12
HN 13/SNL	85	3.35	513–611, 516–613	13		13		13	13	13
HN 15/SNL	98	3.86	515–612, 518–615	15			15	15	15	15
HN 16/SNL	105	4.13	516–613, 519–616	16			16	16	16	16
HN 17/SNL	110	4.33	517, 520–617	17			17	17	17	17
HN 18/SNL	120	4.72	518–615	18			18	18	18	18
HN 19/SNL	125	4.92	519–616, 522–619	19			19	19	19	19
HN 20/SNL	130	5.12	520–617, 524–620	20		22	20, 21	20	20	20
HN 22/SNL	145	5.71	522–619	22	24	24	22		22	22
HN 24/SNL	155	6.10	524–620	24	26	26	24		24	24
HN 26/SNL	165	6.50	526	26	28	28	26		26	26
HN 28/SNL	180	7.09	528	28	30	30				
HN 30/SNL	195	7.68	530	30	32	34	30			32
HN 32/SNL	210	8.27	532	32		36				

¹⁾ Not recommended for use in combination with SNL/SNH housing