



Spanner Wrenches & Feeler Gauges

**Proper installation
is critical for long
bearing life.**



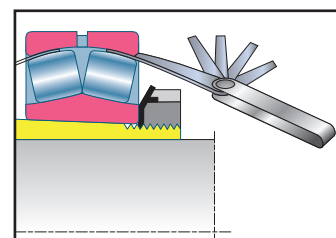
**NTN has the tools you need to correctly
install SAF & SNC style mounted roller bearings.**

The correct spanner wrench is essential in securing the adapter assembly.

NTN pin and hook wrenches come in 5 sizes fitting up to 30 sizes of nuts.

NTN feeler gauges ensure proper internal clearance during installation.

Each set contains 17 gauges and 3 different lengths



Adjustable Spanners		Tools PS (Size) / Pin Spanner / Articulated Manual Pin Spanner				
Part Number	Tommy Nuts - TB, TBR, TBP & TBPR		Pin Diameter			
TLS-PNSPANNER15-35	15 mm - 35 mm	0.59 in - 1.37 in	3 mm	0.11 in		
TLS-PNSPANNER35-50	35 mm - 50 mm	1.38 in - 1.97 in	4 mm	0.16 in		
TLS-PNSPANNER50-80	50 mm - 80 mm	1.97 in - 3.15 in	5 mm	0.20 in		
TLS-PNSPANNER80-120	80 mm - 120 mm	3.15 in - 4.72 in	6 mm	0.20 in		
TLS-PNSPANNER120-180	120 mm - 180 mm	4.73 in - 7.09 in	7 mm	0.20 in		
Adjustable Spanners		Tools HK (Size) / Hook Spanner / Articulated Manual Hook Spanner				
Part Number	Slot Nuts - KM, KML, N & AN		Metric Nut	Inch Nut		
TLS-HKSPANNER15-35	15 mm - 35 mm	0.59 in - 1.37 in	KM1-KM4	N01-N04		
TLS-HKSPANNER35-50	35 mm - 50 mm	1.38 in - 1.97 in	KM5, KM6	N05, N06		
TLS-HKSPANNER50-80	50 mm - 80 mm	1.97 in - 3.15 in	KM7-KM12	N07-N12		
TLS-HKSPANNER80-120	80 mm - 120 mm	3.15 in - 4.72 in	KM12-KM18	N12-AN18		
TLS-HKSPANNER120-180	120 mm - 180 mm	4.73 in - 7.09 in	KM18-KLM28	AN18-AN28		
Feeler Gauge Part Number	Number of Gauges	Field of Measure	Blade Thickness ¹ 1/100 mm		Length	
TLS-FEELGAGE-100	17	0.02 mm - 0.5 mm .000787 in - .019685 in	0.02	0.15	100 mm	3.94 in
TLS-FEELGAGE-150			0.03	0.20		
			0.04	0.25		
TLS-FEELGAGE-300			0.05	0.30	150 mm	5.91 in
			0.06	0.35		
			0.07	0.40	300 mm	11.81 in
			0.08	0.45		
			0.09	0.50		
			0.10			

Ready to get rolling? Contact us today for full details at
1-800-323-2358 eng@ntnamerica.com