

# TECHNICAL INSIGHT

A PUBLICATION OF NSK EUROPE

## 27-digit NSK Item Designation (N27)

Beside of the basic ball and roller bearing designation (starting 18-digits) NSK adds 9 characters at the end to describe where the bearing is coming from, how the bearing is branded, how greased and in what kind of packing it is coming. Additionally there can be information about special features. You will find the most common codes and examples of their meanings below. Please ask your NSK contact for further information.

18 characters to identify basic ball and roller bearings series																		9 characters to identify all other aspects of the product														
Please check the NSK product catalogues for details																																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27						
6	2	1	2	D	D	U	C	M											D			E	E	M	S	5						
																		Brand Code		Source Code		Special I		Special II		Grease Name Code		Grease Quantity Code		Packing Code		

- › 19 **—** Brand Code **e.g. empty: NSK**
- › 20 **D** Source Code e.g. empty: Japan, **D: Poland**, E: United Kingdom, J: Indonesia, N: Germany, B: Brazil, C: USA
- › 21 **—** Special I Usually OEM specific e.g. customer part marking
- › 22 **—** Special II Usually OEM specific e.g. special documentation
- › 23-25 **EEM** Grease Name Code e.g. NS7: Kyodo Yushi Multemp SRL, **EEM: Exxon Mobil Polyrex EM**, YRL: Shell Alvania RLQ2
- › 26 **S** Grease Quantity Code **e.g. S: 30% to 50% standard fill for radial ball bearings**
- › 27 **5** Packing Code **e.g. 5: Standard single pack**, 6: Standard bulk pack of rolls, 8: Single pack from Indonesia, J: Bulk pack, X: Single pack (in most cases)