

## Rigid Couplings

Steel / Stainless Steel, Split, for High Torques

### SPECIFICATION

#### Bore codes

- Version **B**: Without keyway
- Version **K**: With keyway DIN 6885-1 P9

#### Coupling

- Steel **ST**  
Blackened
- Stainless steel AISI 303 **NI**  
Plain finish

#### Socket cap screws ISO 4762

- Steel, blackened for ST
- Stainless steel for NI

Operating temperature **-40 °C to +175 °C**



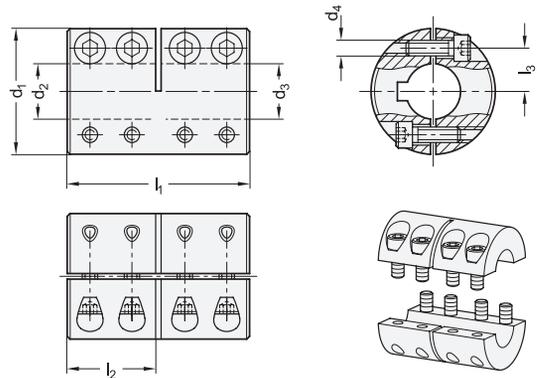
### INFORMATION

Rigid couplings GN 2264 connect supported shafts or are used as couplings for shaft extensions. They transmit angular positions and high torques precisely and with zero backlash, without compensating for alignment errors and runout tolerances. Due to their split design, they can be used where axial mounting is not possible.

With the bore code K, the keyway is always integrated into both bores  $d_2$  and  $d_3$ . For applications with strong vibrations, thread locking is recommended for the clamping screws.

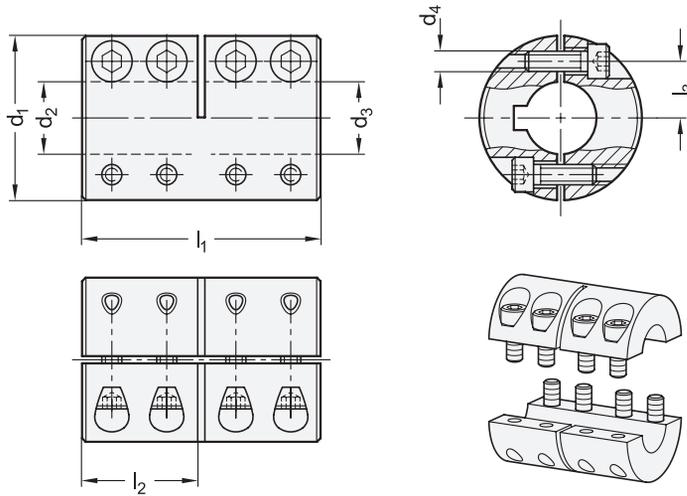
### TECHNICAL INFORMATION

- Overview of Couplings (see page )
- Keyway P9 DIN 6885-1 (see page A16)
- ISO-Fundamental Tolerances (see page A21)
- Stainless Steel Characteristics (see page A26)



### GN 2264-ST

Description	$d_1$	$d_2 - d_3$ H7	$d_4$	$l_1 \pm 1$	$l_2$ Max. shaft insertion depth	$l_3$	Tightening torque of the screws in Nm $\approx$	Rated torque in Nm	Max. rotational speed (min $^{-1}$ )	Moment of inertia in kgm $^2$	
GN 2264-18-B6-6-ST	18	6-6	M 3	30	14.5	5.5	2	30	4000	$1.75 \times 10^{-6}$	47
GN 2264-18-K6-6-ST	18	6-6	M 3	30	14.5	5.5	2	30	4000	$1.75 \times 10^{-6}$	47
GN 2264-24-B8-8-ST	24	8-8	M 3	35	17	8.5	3	50	4000	$7.21 \times 10^{-6}$	102
GN 2264-24-K8-8-ST	24	8-8	M 3	35	17	8.5	3	50	4000	$7.21 \times 10^{-6}$	102
GN 2264-29-B10-10-ST	29	10-10	M 4	45	21.5	10	4.5	100	4000	$1.97 \times 10^{-5}$	185
GN 2264-29-K10-10-ST	29	10-10	M 4	45	21.5	10	4.5	100	4000	$1.97 \times 10^{-5}$	185
GN 2264-29-B12-12-ST	29	12-12	M 4	45	21.5	10	4.5	100	4000	$1.97 \times 10^{-5}$	180
GN 2264-29-K12-12-ST	29	12-12	M 4	45	21.5	10	4.5	100	4000	$1.97 \times 10^{-5}$	180
GN 2264-34-B14-14-ST	34	14-14	M 5	50	24	11.5	9	190	4000	$3.82 \times 10^{-5}$	272
GN 2264-34-K14-14-ST	34	14-14	M 5	50	24	11.5	9	190	4000	$3.82 \times 10^{-5}$	272
GN 2264-34-B15-15-ST	34	15-15	M 5	50	24	11.5	9	190	4000	$3.82 \times 10^{-5}$	266
GN 2264-34-K15-15-ST	34	15-15	M 5	50	24	11.5	9	190	4000	$3.82 \times 10^{-5}$	266
GN 2264-34-B16-16-ST	34	16-16	M 5	50	24	11.5	9	190	4000	$3.82 \times 10^{-5}$	261
GN 2264-34-K16-16-ST	34	16-16	M 5	50	24	11.5	9	190	4000	$3.82 \times 10^{-5}$	261
GN 2264-42-B20-20-ST	42	20-20	M 6	65	31.5	16	15	350	4000	$1.25 \times 10^{-4}$	518
GN 2264-42-K20-20-ST	42	20-20	M 6	65	31.5	16	15	350	4000	$1.25 \times 10^{-4}$	518
GN 2264-45-B25-25-ST	45	25-25	M 6	75	36.5	17.5	15	390	4000	$1.97 \times 10^{-4}$	623
GN 2264-45-K25-25-ST	45	25-25	M 6	75	36.5	17.5	15	390	4000	$1.97 \times 10^{-4}$	623
GN 2264-53-B30-30-ST	53	30-30	M 6	83	40.5	20.5	15	475	4000	$4.23 \times 10^{-4}$	920
GN 2264-53-K30-30-ST	53	30-30	M 6	83	40.5	20.5	15	475	4000	$4.23 \times 10^{-4}$	920
GN 2264-67-B35-35-ST	67	35-35	M 8	95	46.5	25	40	1100	4000	$1.23 \times 10^{-3}$	1880
GN 2264-67-K35-35-ST	67	35-35	M 8	95	46.5	25	40	1100	4000	$1.23 \times 10^{-3}$	1880
GN 2264-77-B40-40-ST	77	40-40	M 8	108	53	30	40	1325	4000	$2.51 \times 10^{-3}$	2710
GN 2264-77-K40-40-ST	77	40-40	M 8	108	53	30	40	1325	4000	$2.51 \times 10^{-3}$	2710
GN 2264-85-B50-50-ST	85	50-50	M 10	124	61	33	84	2250	4000	$4.09 \times 10^{-3}$	3520
GN 2264-85-K50-50-ST	85	50-50	M 10	124	61	33	84	2250	4000	$4.09 \times 10^{-3}$	3520



GN 2264-NI

STAINLESS STEEL

Description	d1	d2 - d3 H7	d4	l1 ±1	l2 Max. shaft insertion depth	l3	Tightening torque of the screws in Nm≈	Rated torque in Nm	Max. rotational speed (min <sup>-1</sup> )	Moment of inertia in kgm <sup>2</sup>	⚖️
GN 2264-18-B6-6-NI	18	6-6	M 3	30	14.5	5.5	1.6	25	4000	1.78 × 10 <sup>-6</sup>	47
GN 2264-18-K6-6-NI	18	6-6	M 3	30	14.5	5.5	1.6	25	4000	1.78 × 10 <sup>-6</sup>	47
GN 2264-24-B8-8-NI	24	8-8	M 3	35	17	8.5	1.6	40	4000	7.31 × 10 <sup>-6</sup>	102
GN 2264-24-K8-8-NI	24	8-8	M 3	35	17	8.5	1.6	40	4000	7.31 × 10 <sup>-6</sup>	102
GN 2264-29-B10-10-NI	29	10-10	M 4	45	21.5	10	3.9	90	4000	1.99 × 10 <sup>-5</sup>	185
GN 2264-29-K10-10-NI	29	10-10	M 4	45	21.5	10	3.9	90	4000	1.99 × 10 <sup>-5</sup>	185
GN 2264-29-B12-12-NI	29	12-12	M 4	45	21.5	10	3.9	90	4000	1.99 × 10 <sup>-5</sup>	180
GN 2264-29-K12-12-NI	29	12-12	M 4	45	21.5	10	3.9	90	4000	1.99 × 10 <sup>-5</sup>	180
GN 2264-34-B14-14-NI	34	14-14	M 5	50	24	11.5	7.6	160	4000	3.87 × 10 <sup>-5</sup>	272
GN 2264-34-K14-14-NI	34	14-14	M 5	50	24	11.5	7.6	160	4000	3.87 × 10 <sup>-5</sup>	272
GN 2264-34-B15-15-NI	34	15-15	M 5	50	24	11.5	7.6	160	4000	3.87 × 10 <sup>-5</sup>	266
GN 2264-34-K15-15-NI	34	15-15	M 5	50	24	11.5	7.6	160	4000	3.87 × 10 <sup>-5</sup>	266
GN 2264-34-B16-16-NI	34	16-16	M 5	50	24	11.5	7.6	160	4000	3.87 × 10 <sup>-5</sup>	261
GN 2264-34-K16-16-NI	34	16-16	M 5	50	24	11.5	7.6	160	4000	3.87 × 10 <sup>-5</sup>	261
GN 2264-42-B20-20-NI	42	20-20	M 6	65	31.5	16	13.2	300	4000	1.26 × 10 <sup>-4</sup>	518
GN 2264-42-K20-20-NI	42	20-20	M 6	65	31.5	16	13.2	300	4000	1.26 × 10 <sup>-4</sup>	518
GN 2264-45-B25-25-NI	45	25-25	M 6	75	36.5	17.5	13.2	325	4000	1.99 × 10 <sup>-4</sup>	623
GN 2264-45-K25-25-NI	45	25-25	M 6	75	36.5	17.5	13.2	325	4000	1.99 × 10 <sup>-4</sup>	623
GN 2264-53-B30-30-NI	53	30-30	M 6	83	40.5	20.5	13.2	400	4000	4.29 × 10 <sup>-4</sup>	920
GN 2264-53-K30-30-NI	53	30-30	M 6	83	40.5	20.5	13.2	400	4000	4.29 × 10 <sup>-4</sup>	920
GN 2264-67-B35-35-NI	67	35-35	M 8	95	46.5	25	32	925	4000	1.25 × 10 <sup>-3</sup>	1880
GN 2264-67-K35-35-NI	67	35-35	M 8	95	46.5	25	32	925	4000	1.25 × 10 <sup>-3</sup>	1880
GN 2264-77-B40-40-NI	77	40-40	M 8	108	53	30	32	1100	4000	2.54 × 10 <sup>-3</sup>	2710
GN 2264-77-K40-40-NI	77	40-40	M 8	108	53	30	32	1100	4000	2.54 × 10 <sup>-3</sup>	2710
GN 2264-85-B50-50-NI	85	50-50	M 10	124	61	33	63	1875	4000	4.14 × 10 <sup>-3</sup>	3520
GN 2264-85-K50-50-NI	85	50-50	M 10	124	61	33	63	1875	4000	4.14 × 10 <sup>-3</sup>	3520



10 Joints, Couplings, Gears