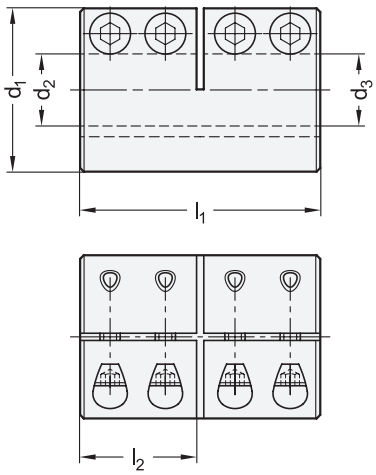
Rigid Couplings

Steel / Stainless Steel, Slotted, for High Torques



STAINLESS

2 Bore code

B Without keyway

K With keyway
DIN 6885-1 JS9

1 d_1	3 d_2 - d_3 H7 Recommended shaft tolerance h9	d_4	l_1 ±1	l_2 Max. shaft insertion depth	l_3	Tightening torque of the screws in Nm ≈		Rated torque in Nm		Max. rotational speed (min-1)	Moment of inertia in kgm²	
						ST	NI	ST	NI		ST	NI
18	6-6	M 3	30	14,5	5,5	2	1,6	30	25	4000	$2{,}02 \times 10^{-6}$	$2{,}04 \times 10^{-6}$
24	8-8	M 3	35	17	8,5	3	1,6	50	40	4000	$7{,}91 \times 10^{-6}$	$8{,}01 \times 10^{-6}$
29	10-10	M 4	45	21,5	10	4,5	3,9	100	90	4000	$2{,}16 \times 10^{-5}$	$2{,}19 \times 10^{-5}$
29	12-12	M 4	45	21,5	10	4,5	3,9	100	90	4000	$2{,}16 \times 10^{-5}$	$2{,}19 \times 10^{-5}$
34	14-14	M 5	50	24	11,5	9	7,6	190	160	4000	$4{,}33 \times 10^{-5}$	$4{,}39 \times 10^{-5}$
34	15-15	M 5	50	24	11,5	9	7,6	190	160	4000	$4{,}33 \times 10^{-5}$	$4{,}38 \times 10^{-5}$
34	16-16	M 5	50	24	11,5	9	7,6	190	160	4000	$4{,}12 \times 10^{-5}$	$4{,}38 \times 10^{-5}$
42	20-20	M 6	65	31,5	16	15	13,2	350	300	4000	$1{,}37 \times 10^{-4}$	$1{,}39 \times 10^{-4}$
45	25-25	M 6	75	36,5	17,5	15	13,2	390	325	4000	$2{,}12 \times 10^{-4}$	$2{,}15 \times 10^{-4}$
53	30-30	M 6	83	40,5	20,5	15	13,2	475	400	4000	$4{,}51 \times 10^{-4}$	$4{,}57 \times 10^{-4}$
67	35-35	M 8	95	46,5	25	40	32	1100	925	4000	$1{,}33 \times 10^{-3}$	$1{,}34 \times 10^{-3}$
77	40-40	M 8	108	53	30	40	32	1325	1100	4000	$2{,}65 \times 10^{-3}$	$2{,}69 \times 10^{-3}$
85	50-50	M 10	124	61	33	84	63	2250	1875	4000	$4{,}36 \times 10^{-3}$	$4{,}24 \times 10^{-3}$

Specification

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Coupling

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

Socket cap screws ISO 4762

- Steel, blackened for ST
- Stainless steel for NI

Operating temperature -40 °C to +175 °C

RoHS

Technical Information	Page
Overview of Couplings	QVX
Keyways DIN 6885-1	QVX
ISO Fundamental Tolerances	QVX
Stainless Steel Characteristics	QVX

Rigid couplings GN 2260 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. The slotted design makes them very easy to install.

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.

see also...	Page
GN 2264 Rigid Couplings (Split)	QVX
GN 2240 Elastomer Jaw Couplings (with Clamping Hub)	QVX
GN 2250 Double Loop Couplings	QVX

How to order

GN 2260 - 29 - K 10-10 - ST

1	d_1
2	Bore code
3	d_2 - d_3
4	Material