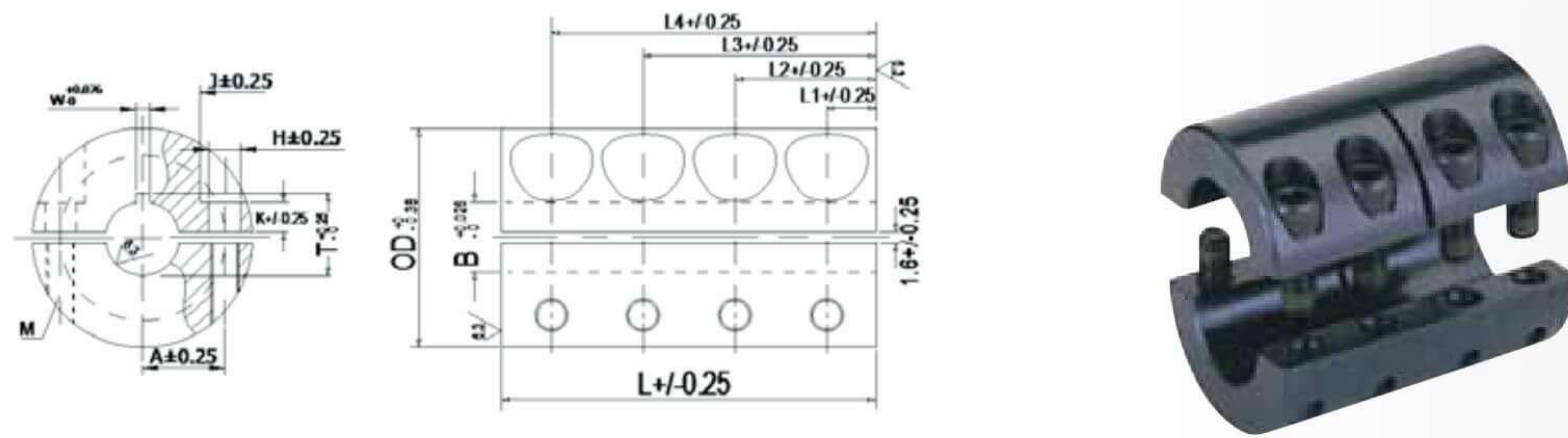


>> Metric Double Split Couplings --- 203 Series



ERP NO	Bore Size	OD	J	H	K	L	L1	L2	L3	L4	A	T	W	Screw M	Weight (STEEL)	Box Qty
02031 010	6 x 6	18	6.68	3.6	2.6	30	4.02	11.35	18.78	26.06	6	-	-	M3x8	47	50
02031 020	8 x 8	24	6.68	3.6	2.6	35	4.99	13.33	21.67	30.00	8	-	-	M3x10	102	50
02031 030	9 x 9	24	6.68	3.6	2.6	35	4.99	13.33	21.67	30.00	8.25	-	-	M3x10	99	50
02031 040	10 x 10	29	8.22	4.7	3.5	45	6.53	17.18	27.82	38.47	9.75	-	-	M4x12	185	50
02031 050	12 x 12	29	8.22	4.7	3.5	45	6.53	17.18	27.82	38.47	10.25	13.80	4	M4x12	180	50
02031 060	14 x 14	34	9.72	5.7	4.9	50	7.08	19.02	30.97	42.92	12	16.30	5	M5x16	272	50
02031 070	15 x 15	34	9.72	5.7	4.9	50	7.08	19.02	30.97	42.92	12.25	17.30	5	M5x16	266	50
02031 080	16 x 16	34	9.72	5.7	4.9	50	7.08	19.02	30.97	42.92	12.5	18.30	5	M5x16	261	50
02031 090	20 x 20	42	11.22	6.8	5.4	65	9.63	24.88	40.12	55.37	12.5	22.80	6	M6x16	518	25
02031 100	25 x 25	45	11.22	6.8	5.4	75	11.63	28.88	46.12	63.37	17.5	28.30	8	M6x16	623	25
02031 110	30 x 30	53	11.22	6.8	5.4	83	13.23	32.08	50.92	69.77	20.75	33.30	8	M6x18	920	25
02031 120	35 x 35	67	14.27	9.2	7.0	95	14.72	36.57	58.43	80.28	25.45	38.30	10	M8x25	1880	25
02031 130	40 x 40	77	14.27	9.2	7.0	108	17.32	41.77	66.23	90.68	29.25	43.30	12	M8x25	2710	25
02031 140	50 x 50	85	17.27	11.8	8.0	124	19.62	47.87	76.13	104.38	33.75	53.80	14	M10x25	3520	25

Technical Information

Specifications for Catalog Series Collars & Couplings

Material		Tolerances	
Steel	High Strength, Low Carbon Steel	Bore Diameter.....	As specified on individual catalog pages
Stainless Steel.....	Type 304 Austenitic or Type 316 Austenitic	Width, Collars	± 0.005 inch Austenitic
Aluminum.....	Type 6061 - T651 or equivalent	Length, Couplings	± 0.015 inch
Finish		Screws	
Steel	Black Oxide, Zinc Plated or Yellow Zinc	Steel, Set.....	Hex Socket, Cup Point, 3A Thread, ASTM F912
Stainless Steel.....	Plain	Steel, Cap.....	Hex Socket, 3A Thread, ASTM A574
Aluminum.....	Plain	Stainless Steel, Set.....	Hex Socket, Cup Point, 3A Thread, ASTM F880
		Stainless Steel, Cap.....	Hex Socket, 3A Thread, ASTM F837

Steel screws are supplied with steel and aluminum collars and couplings. Stainless steel screws are supplied with stainless steel collars and couplings and all non-metallic collars.

Axial Load Capability

Collar resistance to axial motion on the shaft is primarily a function of screw size. The tables indicate maximum static load that a collar will support without slippage. It is based on screws at full recommended seating torque and, for set screw collars, shaft hardness not exceeding Rockwell C35.

Load capability is reduced with stainless steel screws because of lower seating torque. Load capability may be nearly doubled with set screw collars by adding a second set screw. Threaded collars and shafts have much greater axial load capability.

The tables also indicate "typical" maximum values and are not a guarantee under all conditions. Values are only a guide and must be evaluated by customers based on individual application. Bulktek Company does not intend these values to serve as a warranty.

Note: The Axial Load data presented is based on the median bore size for a particular screw size.

Set Screw Collars

Socket Set Screw Size	Seating Torque Alloy (in-lb)	Maximum Alloy Axial Load (lb)	Maximum Seating Torque Stainless (in-lb)	Maximum Stainless Axial Load (lb)
6-32	10	250	7	135
8-32	20	375	15	200
10-32	35	550	25	300
1/4-20	90	950	70	550
5/16-18	170	1500	135	900
5/16-24	170	1500	135	1000
3/8-16	300	2200	235	1200
1/2-13	625	3000	500	1200

Clamping Collars

Socket Head Cap Screw Size	Seating Torque Alloy (in-lb)	Maximum Alloy Axial Load (lb)	Seating Torque Stainless (in-lb)	Maximum Stainless Axial Load (lb)
4-40	15	200	8	150
6-32	25	500	15	200
8-32	50	950	30	600
10-32	75	1750	45	800
1/4-28	175	2600	115	1400
5/16-24	340	6200	200	2800
3/8-24	600	7200	350	3800
1/2-20	1500	18000	875	9500

T = Torque required to rotate shaft in coupling (in-lb)
 F = Axial load based on a given screw size (lb)
 R = Bore radius (inch) T = (F x 2) x R

Disclaimer: The Axial Load and Torque data presented are based on limited test results and are not a guarantee of minimum or maximum values under all conditions