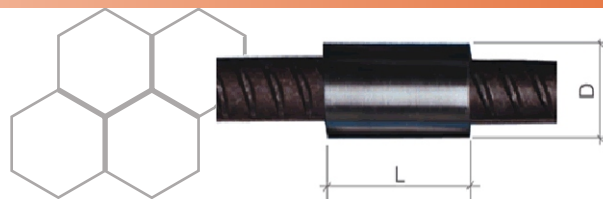




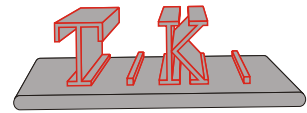
Parameters of Rebar Splices



Bar diameter (Mm)	Outer Diameter of Coupler (mm)	Length of Coupler (mm)	Thread Size(mm)	Coupler Weight (mm)	
12	18	32	M13*2.0	M12.5*2.0	0.03
14	21	36	M15*2.0	M14.5*2.0	0.05
16	23	42	M17*2.0	M16.5*2.0	0.07
18	28	46	M19*2.5	M18.5*2.5	0.13
20	30	50	M21*2.5	M20.5*2.5	0.15
22	33	54	M23*2.5	M22.5*2.5	0.19
25	38	62	M26*2.5	M25.5*3.0	0.30
28	43	68	M29*3.0	M28.5*3.0	0.43
32	48	76	M33*3.0	M32.5*3.0	0.58
36	53	84	M37*3.0	M36.5*3.0	0.93
40	60	92	M41*3.0	M40.5*3.0	1.25
50	77	114		M50.5*3.5	2.37

Typical Test Results

Bar diameter (mm)	Yield Strength (Mpa)	Ultimate Strength (Mpa)	Elongation at max. force δ_{sgt} %	Unelastic Deformation (mm)	Repeat Tensile & Pressure	Failure Mode
16	437	633	21.0	0.03	Passed	Bar Break
18	477	647	20.3	0.04	Passed	Bar Break
20	452	617	19.0	0.04	Passed	Bar Break
22	442	595	20.0	0.04	Passed	Bar Break
25	445	608	19.7	0.04	Passed	Bar Break
28	422	624	18.7	0.05	Passed	Bar Break
32	445	630	17.0	0.05	Passed	Bar Break
36	423	600	17.0	0.05	Passed	Bar Break
40	487	660	9.0	0.06	Passed	Bar Break



Parameters of Rebar Splices

Bar diameter (mm)	Outer Diameter of Coupler (mm)	Length of Coupler (mm)	Thread Size (mm)	Coupler Weight (mm)
14	23	28	M16x2.0	0.05
16	26	32	M18x2.0	0.07
18	30	36	M22x2.5	0.09
20	33	40	M24x2.5	0.13
22	35	44	M25x2.5	0.16
25	40	50	M29x3.0	0.23
28	46	56	M32x3.0	0.38
32	50	64	M36x3.0	0.48
36	57	72	M40x3.5	0.78
40	64	80	M45x3.5	1.28

Typical Test Results

Bar diameter (mm)	Yield Strength (Mpa)	Ultimate Strength (Mpa)	Elongation at max. force δ_{sgt} %	Unelastic Deformation (mm)	Repeat Tensile & Pressure	Failure Mode
14	458	656	17.6	0.02	Passed	Bar Break
16	491	674	17.0	0.04	Passed	Bar Break
18	501	687	15.0	0.04	Passed	Bar Break
20	456	620	14.5	0.01	Passed	Bar Break
22	442	632	16.5	0.07	Passed	Bar Break
25	453	659	17.2	0.06	Passed	Bar Break
28	470	644	13.3	0.08	Passed	Bar Break
32	486	680	9.2	0.05	Passed	Bar Break
36	459	655	8.3	0.07	Passed	Bar Break
40	470	662	6.2	0.09	Passed	Bar Break

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Factory

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